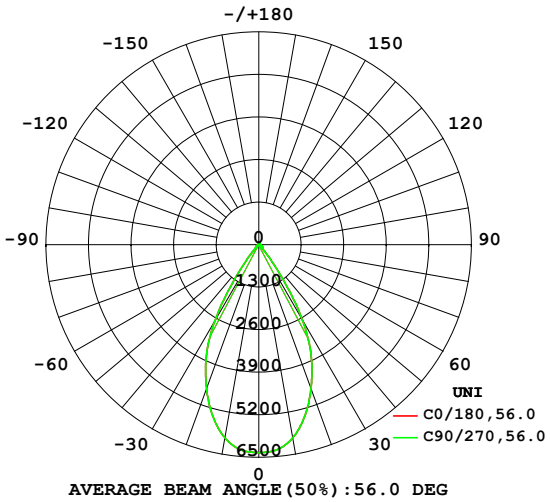
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.06V I:0.1863A P:39.300W PF:0.9170 Freq:50.00Hz Lamp Flux:5008.8x1 lm		
NAME: LHB13-040-4080-L03001	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1.128*0.11	Shielding Angle:

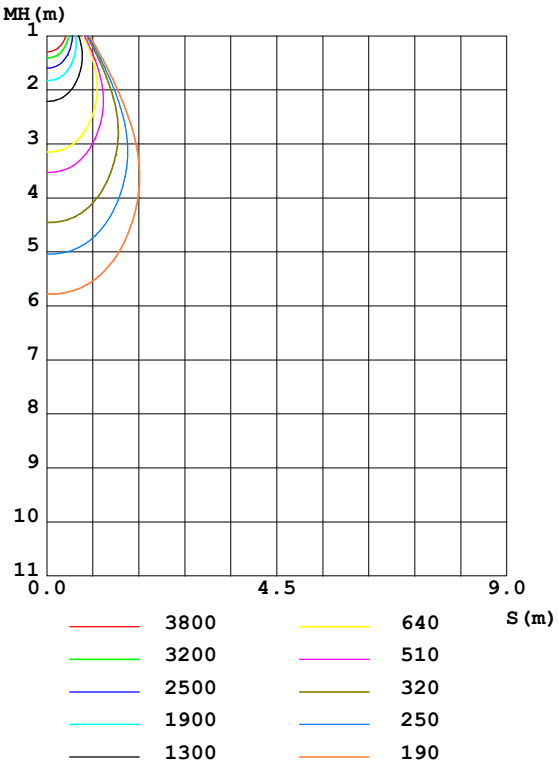
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 127.45 lm/W
MODEL	RF303	Imax(cd)	6354	S/MH(C0/180)	0.84
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5008.8	η UP,DN(C0-180)	0.9,49.1
NOMINAL FLUX(lm)	5008.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,49.1
LAMPS INSIDE	1	η up(%)	1.7	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	98.3	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):56.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5993	5993	5993	5993	5993	5993	5993	5993	0- 10	591.2	591.2	11.8,11.8
20	4678	4678	4678	4678	4678	4678	4678	4678	10- 20	1510	2101	42,42
30	2695	2695	2695	2695	2695	2695	2695	2695	20- 30	1715	3816	76.2,76.2
40	397.9	397.9	397.9	397.9	397.9	397.9	397.9	397.9	30- 40	841.5	4658	93,93
50	109.8	109.8	109.8	109.8	109.8	109.8	109.8	109.8	40- 50	134.0	4792	95.7,95.7
60	67.23	67.23	67.23	67.23	67.23	67.23	67.23	67.23	50- 60	81.97	4874	97.3,97.3
70	12.15	12.15	12.15	12.15	12.15	12.15	12.15	12.15	60- 70	35.47	4909	98,98
80	5.865	5.865	5.865	5.865	5.865	5.865	5.865	5.865	70- 80	8.527	4918	98.2,98.2
90	3.728	3.728	3.728	3.728	3.728	3.728	3.728	3.728	80- 90	5.086	4923	98.3,98.3
100	3.986	3.986	3.986	3.986	3.986	3.986	3.986	3.986	90-100	4.034	4927	98.4,98.4
110	5.254	5.254	5.254	5.254	5.254	5.254	5.254	5.254	100-110	4.812	4932	98.5,98.5
120	8.429	8.429	8.429	8.429	8.429	8.429	8.429	8.429	110-120	6.549	4938	98.6,98.6
130	14.56	14.56	14.56	14.56	14.56	14.56	14.56	14.56	120-130	10.04	4948	98.8,98.8
140	22.58	22.58	22.58	22.58	22.58	22.58	22.58	22.58	130-140	14.24	4963	99.1,99.1
150	30.25	30.25	30.25	30.25	30.25	30.25	30.25	30.25	140-150	16.58	4979	99.4,99.4
160	35.59	35.59	35.59	35.59	35.59	35.59	35.59	35.59	150-160	15.24	4994	99.7,99.7
170	39.40	39.40	39.40	39.40	39.40	39.40	39.40	39.40	160-170	10.61	5005	99.9,99.9
180	41.32	41.32	41.32	41.32	41.32	41.32	41.32	41.32	170-180	3.839	5009	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 4742.9 lm

%lum = 94.7%
%lamp = 94.7%

Conical surface Flux(120deg): 4873.8 lm

%lum = 97.3%
%lamp = 97.3%

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

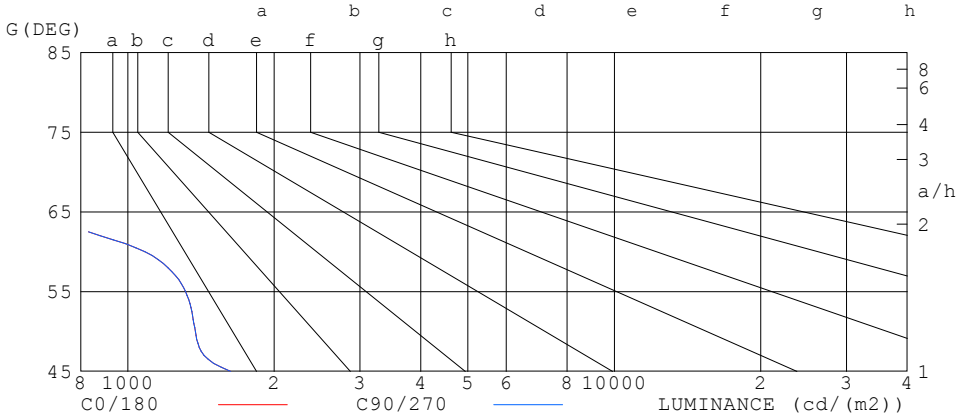
Checker: LI

Assessor:

LUMINANCE LIMITATION CURVES

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	427	427
80	272	272
75	241	241
70	287	287
65	671	671
60	1084	1084
55	1314	1314
50	1377	1377
45	1628	1628

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

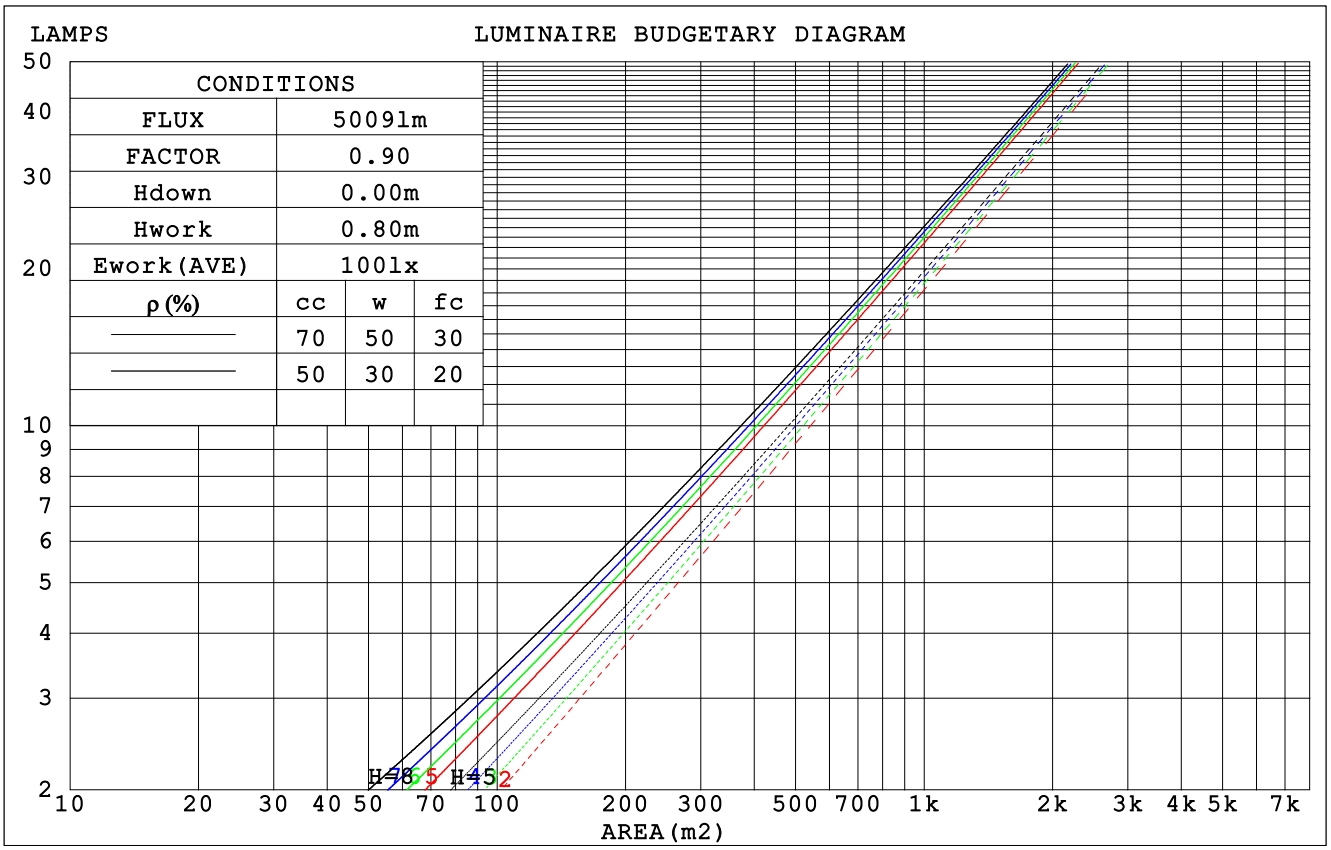
Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.92	.94	.92	.90	.91	.90	.88	.86
3.0	.96	.91	.88	.95	.90	.87	.92	.88	.85	.89	.86	.84	.87	.84	.82	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.82	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.85	.79	.75	.84	.78	.75	.82	.77	.74	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.70	.79	.74	.70	.77	.73	.69	.76	.72	.68	.74	.71	.68	.66
7.0	.75	.70	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.65	.62	.71	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

WEC AND CCEC

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.176	.100	.032	.169	.096	.031	.155	.089	.028	.143	.082	.026	.131	.076	.024	
2.0	.167	.092	.028	.161	.089	.027	.150	.083	.026	.139	.078	.024	.129	.073	.023	
3.0	.159	.085	.025	.154	.082	.025	.144	.078	.024	.135	.074	.023	.126	.070	.022	
4.0	.151	.078	.023	.146	.077	.023	.138	.073	.022	.130	.070	.021	.123	.067	.020	
5.0	.144	.073	.021	.140	.072	.021	.132	.069	.020	.125	.066	.020	.119	.063	.019	
6.0	.137	.069	.020	.133	.067	.019	.127	.065	.019	.121	.063	.018	.115	.060	.018	
7.0	.131	.065	.018	.128	.064	.018	.122	.062	.018	.116	.060	.017	.111	.058	.017	
8.0	.125	.061	.017	.122	.060	.017	.117	.059	.017	.112	.057	.016	.107	.055	.016	
9.0	.120	.058	.016	.117	.057	.016	.113	.056	.016	.108	.054	.016	.104	.053	.015	
10.0	.115	.055	.015	.113	.054	.015	.108	.053	.015	.104	.052	.015	.101	.051	.015	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.184	.171	.158	.158	.146	.136	.108	.101	.094	.062	.058	.055	.020	.019	.018	
2.0	.169	.146	.126	.145	.125	.109	.099	.087	.076	.057	.051	.045	.018	.016	.015	
3.0	.156	.127	.103	.134	.109	.090	.092	.076	.063	.053	.044	.037	.017	.014	.012	
4.0	.146	.112	.086	.125	.097	.075	.086	.068	.053	.050	.040	.031	.016	.013	.010	
5.0	.137	.101	.074	.118	.087	.064	.081	.061	.045	.047	.036	.027	.015	.012	.009	
6.0	.130	.091	.064	.112	.079	.055	.077	.055	.039	.045	.033	.023	.014	.011	.008	
7.0	.123	.084	.056	.106	.073	.049	.073	.051	.035	.043	.030	.021	.014	.010	.007	
8.0	.118	.077	.050	.101	.067	.044	.070	.047	.031	.041	.028	.018	.013	.009	.006	
9.0	.112	.072	.045	.097	.063	.039	.067	.044	.028	.039	.026	.017	.013	.009	.006	
10.0	.108	.068	.041	.093	.059	.036	.065	.041	.026	.038	.025	.015	.012	.008	.005	

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

UGR(Unified Glare Rating) Table

ceiling/cavity		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H	y = 2H	11.9	12.8	12.1	13.0	13.2	11.9	12.8	12.1	13.0	13.2
	3H	11.8	12.6	12.0	12.8	13.1	11.8	12.6	12.0	12.8	13.1
	4H	11.7	12.5	12.0	12.7	13.0	11.7	12.5	12.0	12.7	13.0
	6H	11.6	12.3	11.9	12.6	12.9	11.6	12.3	11.9	12.6	12.9
	8H	11.6	12.3	11.9	12.6	12.9	11.6	12.3	11.9	12.6	12.9
	12H	11.5	12.2	11.9	12.5	12.8	11.5	12.2	11.9	12.5	12.8
4H	2H	11.7	12.5	12.0	12.7	13.0	11.7	12.5	12.0	12.7	13.0
	3H	11.6	12.3	11.9	12.6	12.9	11.6	12.3	11.9	12.6	12.9
	4H	11.5	12.1	11.9	12.4	12.8	11.5	12.1	11.9	12.4	12.8
	6H	11.4	12.0	11.8	12.3	12.7	11.4	12.0	11.8	12.3	12.7
	8H	11.4	11.9	11.8	12.3	12.7	11.4	11.9	11.8	12.3	12.7
	12H	11.4	11.8	11.8	12.2	12.6	11.4	11.8	11.8	12.2	12.6
8H	4H	11.4	11.9	11.8	12.2	12.6	11.4	11.9	11.8	12.2	12.6
	6H	11.3	11.7	11.7	12.1	12.6	11.3	11.7	11.7	12.1	12.6
	8H	11.3	11.6	11.7	12.1	12.5	11.3	11.6	11.7	12.1	12.5
	12H	11.2	11.5	11.7	12.0	12.5	11.2	11.5	11.7	12.0	12.5
12H	4H	11.3	11.8	11.7	12.2	12.6	11.3	11.8	11.7	12.2	12.6
	6H	11.2	11.6	11.7	12.0	12.5	11.2	11.6	11.7	12.0	12.5
	8H	11.2	11.5	11.7	12.0	12.5	11.2	11.5	11.7	12.0	12.5
Variations with the observer position at spacings:											
S = 1.0H		+ 3.4 / - 4.2					+ 3.4 / - 4.2				
1.5H		+ 5.7 / - 3.9					+ 5.7 / - 3.9				
2.0H		+ 0.9 / - 1.9					+ 0.9 / - 1.9				

CIE Pub.117, 5009 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.6)
Area: 0.124 m2

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

UTILIZATION FACTORS TABLE

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	88	84	81
1.00	99	93	90	98	93	89	96	92	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	108	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

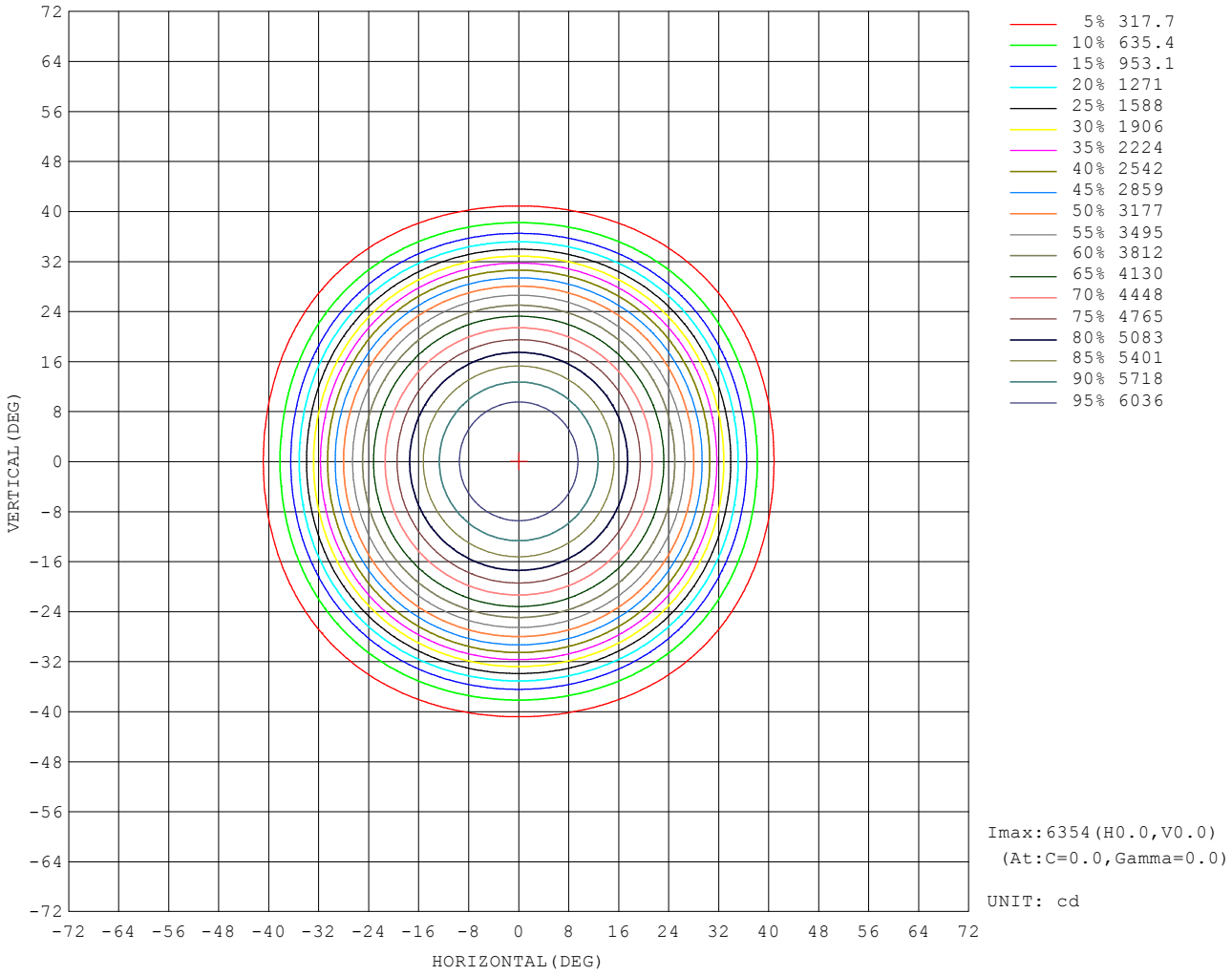
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

ISOCANDELA DIAGRAM



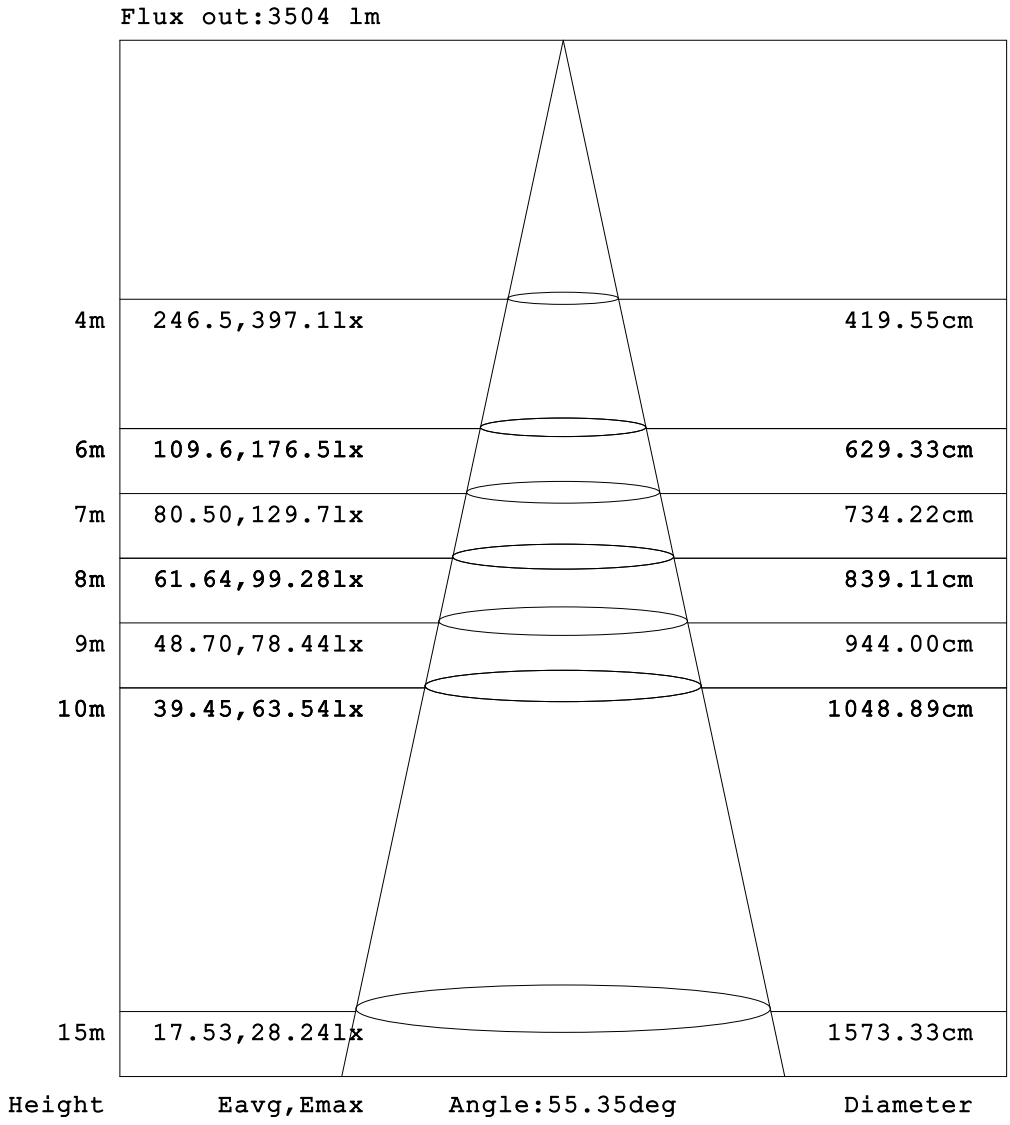
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

AAI Figure



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

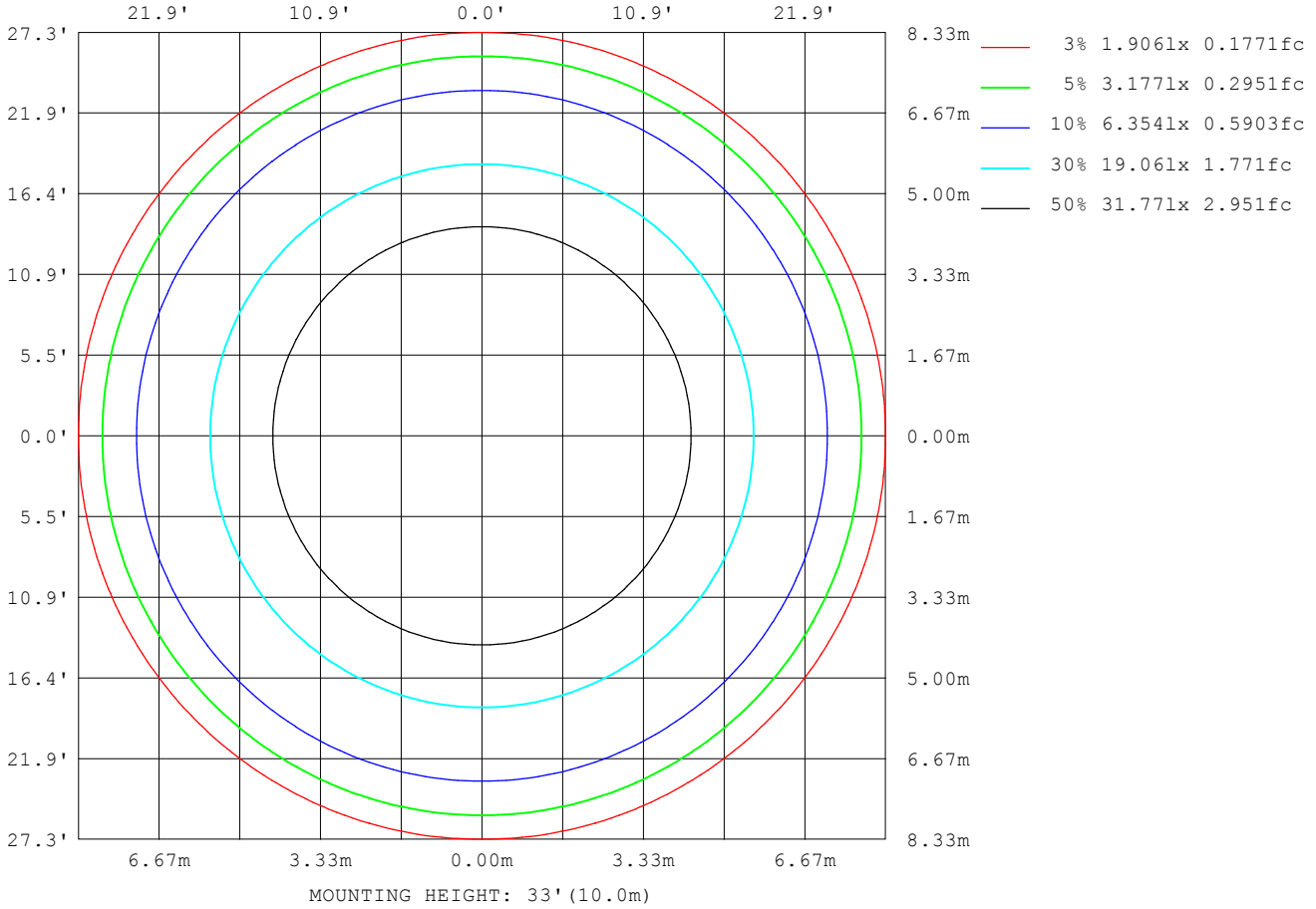
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

ISOLUX DIAGRAM



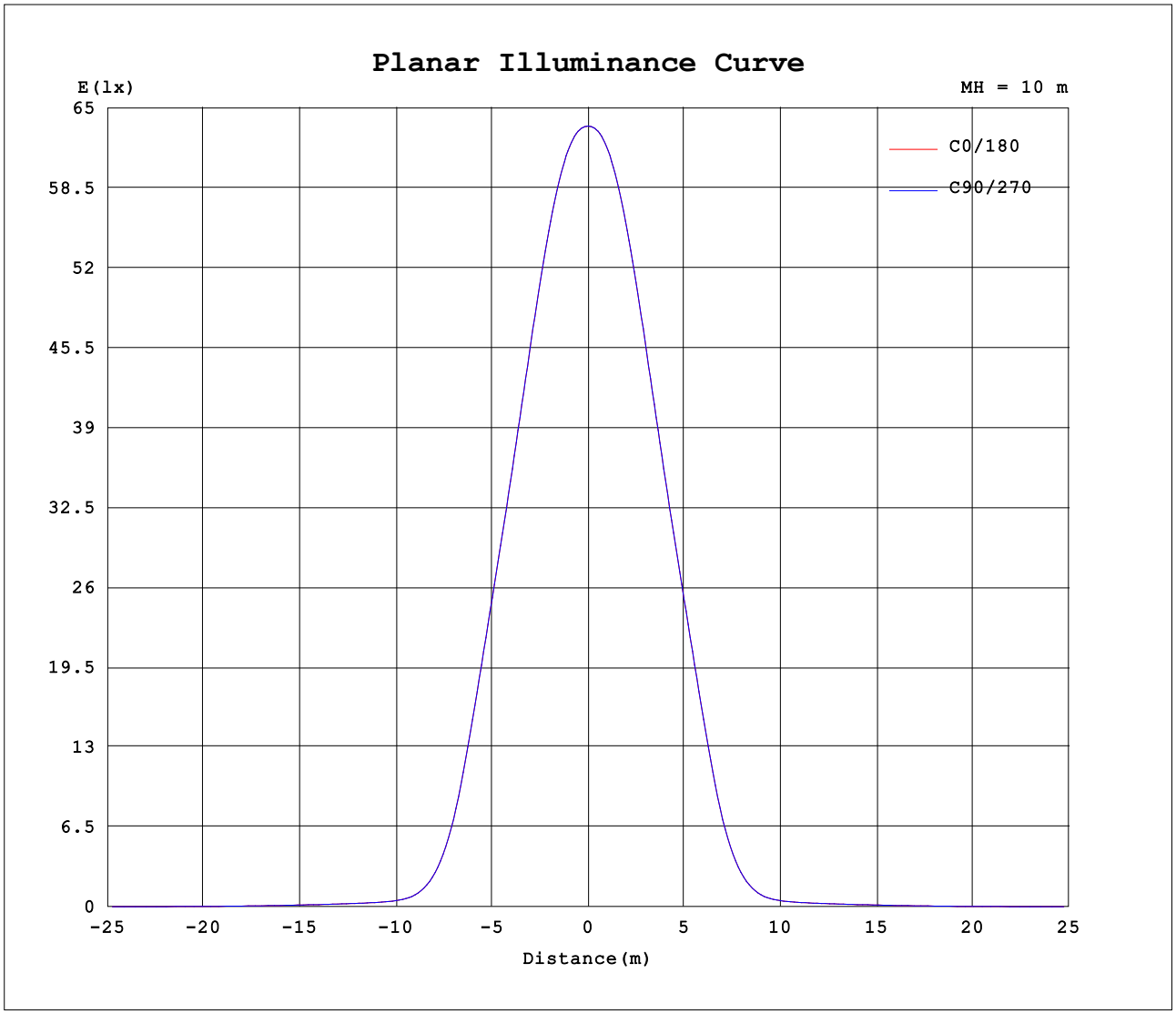
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

Checker: LI

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: cd

C(DEG) / γ (DEG)	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80	82.5	85	87.5	90	92.5
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3 UNIT: cd

γ (DEG) \ C(DEG)	95	97.5	100	102.5	105	107.5	110	112.5	115	117.5	120	122.5	125	127.5	130	132.5	135	137.5	140
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4 UNIT: cd

C(DEG) / γ (DEG)	142.5	145	147.5	150	152.5	155	157.5	160	162.5	165	167.5	170	172.5	175	177.5	180	182.5	185	187.5
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5 UNIT: cd

C(DEG) / γ (DEG)	190	192.5	195	197.5	200	202.5	205	207.5	210	212.5	215	217.5	220	222.5	225	227.5	230	232.5	235
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6 UNIT: cd

C(DEG) / γ (DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7 UNIT: cd

C(DEG) / γ (DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299
40	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
45	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143	143
50	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8 UNIT: cd

C(DEG) / γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5								
0	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354	6354								
5	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290	6290								
10	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993	5993								
15	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435	5435								
20	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678	4678								
25	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807	3807								
30	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695	2695								
35	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299								
40	398	398	398	398	398	398	398	398	398	398	398								
45	143	143	143	143	143	143	143	143	143	143	143								
50	110	110	110	110	110	110	110	110	110	110	110								
55	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5								
60	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2								
65	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1								
70	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2								
75	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74								
80	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86								
85	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62								
90	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73								
95	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63	3.63								
100	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99								
105	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54								
110	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25								
115	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51								
120	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43								
125	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1								
130	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6								
135	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5								
140	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6								
145	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6								
150	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2								
155	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2								
160	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6								
165	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7								
170	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4								
175	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6								
180	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3								

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.432m [K=1.0000]
Remarks:

Checker: LI

Assessor: