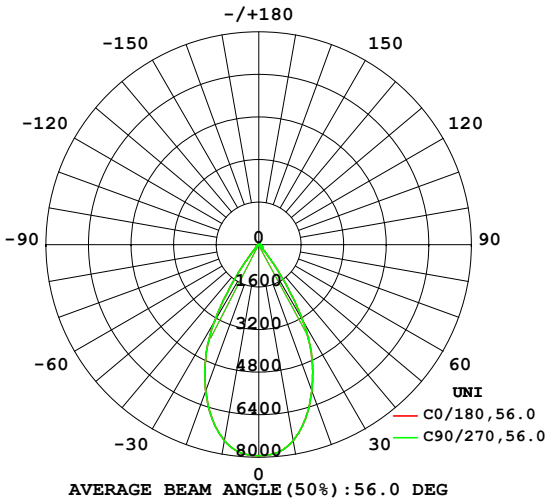
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.06V I:0.2315A P:48.900W PF:0.9180 Freq:50.00Hz Lamp Flux:6253.8x1 lm		
NAME: LHB13-050-4080-L03001	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1.38*0.11	Shielding Angle:

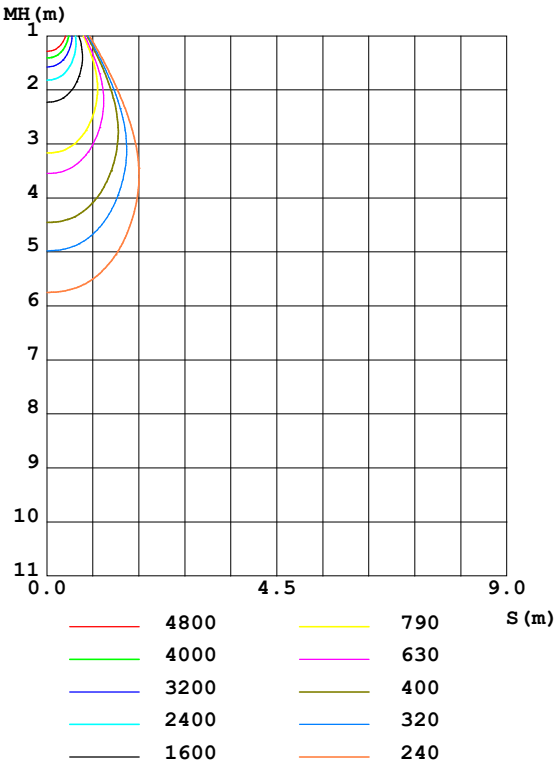
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 127.89 lm/W
MODEL	RF303	Imax(cd)	7933	S/MH(C0/180)	0.84
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6253.8	η UP,DN(C0-180)	0.9,49.1
NOMINAL FLUX(lm)	6253.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,49.1
LAMPS INSIDE	1	η up(%)	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	7482	7482	7482	7482	7482	7482	7482	7482	0- 10	738.1	738.1	11.8,11.8
20	5840	5840	5840	5840	5840	5840	5840	5840	10- 20	1886	2624	42,42
30	3365	3365	3365	3365	3365	3365	3365	3365	20- 30	2141	4765	76.2,76.2
40	496.8	496.8	496.8	496.8	496.8	496.8	496.8	496.8	30- 40	1051	5815	93,93
50	137.1	137.1	137.1	137.1	137.1	137.1	137.1	137.1	40- 50	167.4	5983	95.7,95.7
60	83.94	83.94	83.94	83.94	83.94	83.94	83.94	83.94	50- 60	102.3	6085	97.3,97.3
70	15.18	15.18	15.18	15.18	15.18	15.18	15.18	15.18	60- 70	44.29	6129	98,98
80	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	70- 80	10.65	6140	98.2,98.2
90	4.655	4.655	4.655	4.655	4.655	4.655	4.655	4.655	80- 90	6.350	6146	98.3,98.3
100	4.977	4.977	4.977	4.977	4.977	4.977	4.977	4.977	90-100	5.036	6151	98.4,98.4
110	6.560	6.560	6.560	6.560	6.560	6.560	6.560	6.560	100-110	6.008	6158	98.5,98.5
120	10.52	10.52	10.52	10.52	10.52	10.52	10.52	10.52	110-120	8.176	6166	98.6,98.6
130	18.18	18.18	18.18	18.18	18.18	18.18	18.18	18.18	120-130	12.54	6178	98.8,98.8
140	28.19	28.19	28.19	28.19	28.19	28.19	28.19	28.19	130-140	17.78	6196	99.1,99.1
150	37.76	37.76	37.76	37.76	37.76	37.76	37.76	37.76	140-150	20.70	6217	99.4,99.4
160	44.44	44.44	44.44	44.44	44.44	44.44	44.44	44.44	150-160	19.03	6236	99.7,99.7
170	49.19	49.19	49.19	49.19	49.19	49.19	49.19	49.19	160-170	13.25	6249	99.9,99.9
180	51.59	51.59	51.59	51.59	51.59	51.59	51.59	51.59	170-180	4.794	6254	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5921.9 lm

%lum = 94.7%
%lamp = 94.7%

Conical surface Flux(120deg): 6085.2 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:

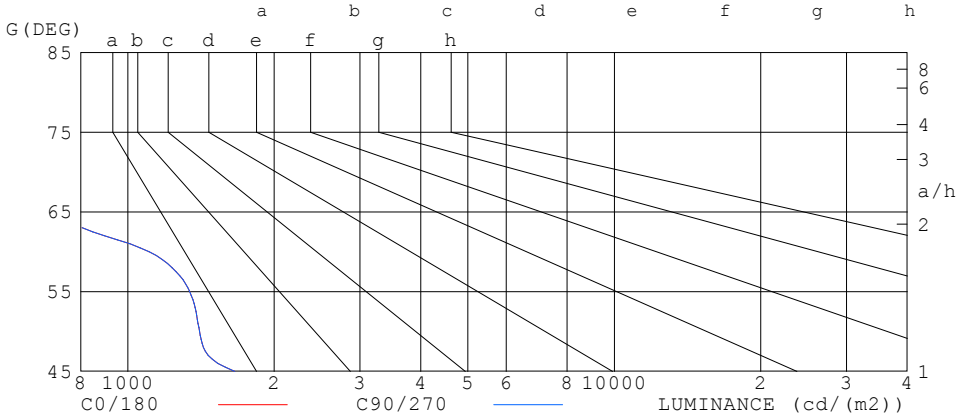
Checker: LI

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	436	436
80	278	278
75	246	246
70	292	292
65	684	684
60	1106	1106
55	1340	1340
50	1405	1405
45	1660	1660

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

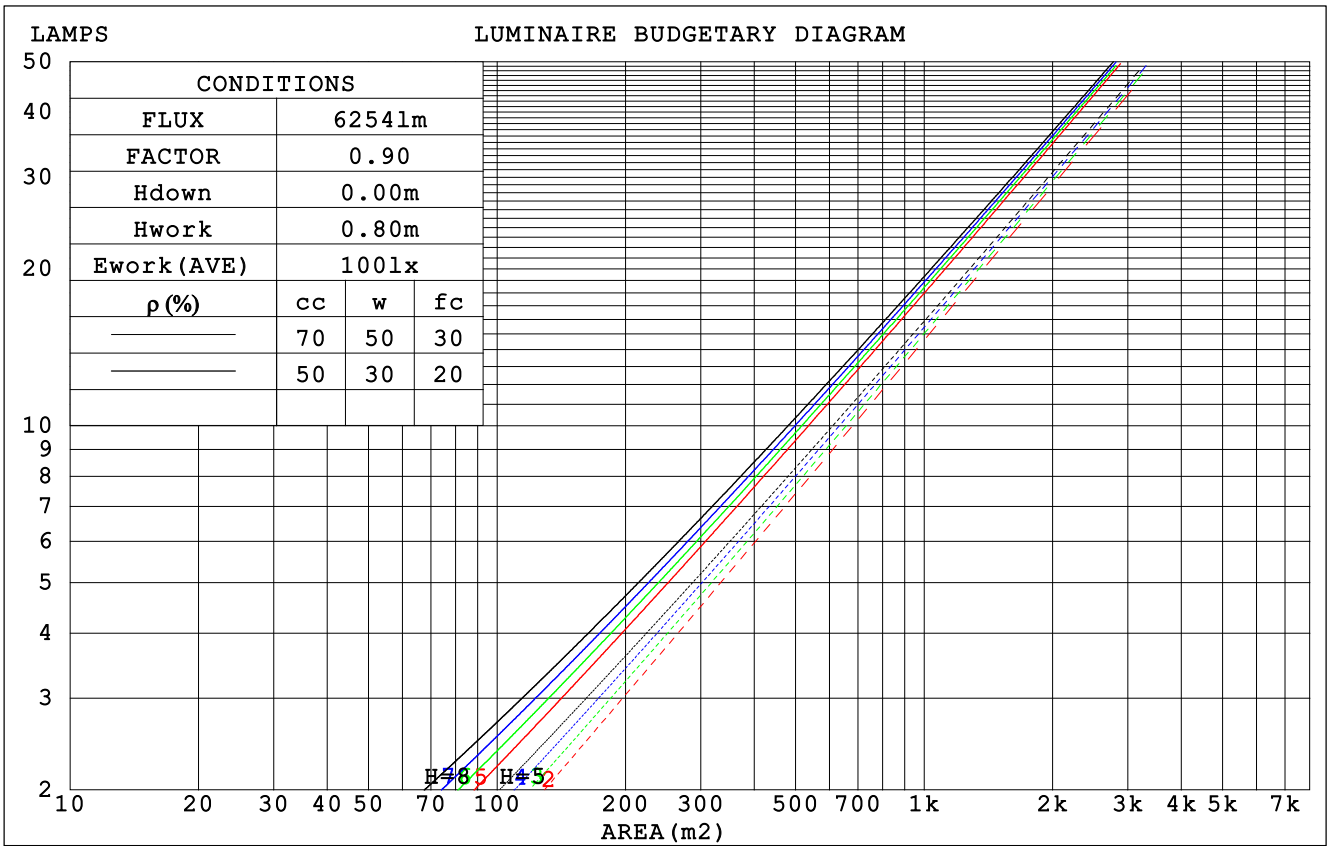
Checker: LI

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	12.9	12.2	13.0	13.2	11.9	12.9	12.2	13.0	13.2
	3H	11.8	12.7	12.1	12.9	13.1	11.8	12.7	12.1	12.9	13.1
	4H	11.7	12.5	12.1	12.8	13.0	11.7	12.5	12.1	12.8	13.0
	6H	11.7	12.4	12.0	12.7	13.0	11.7	12.4	12.0	12.7	13.0
	8H	11.6	12.3	12.0	12.6	12.9	11.6	12.3	12.0	12.6	12.9
	12H	11.6	12.3	11.9	12.6	12.9	11.6	12.3	11.9	12.6	12.9
4H	2H	11.8	12.6	12.1	12.8	13.1	11.8	12.6	12.1	12.8	13.1
	3H	11.6	12.3	12.0	12.6	12.9	11.6	12.3	12.0	12.6	12.9
	4H	11.6	12.2	11.9	12.5	12.9	11.6	12.2	11.9	12.5	12.9
	6H	11.5	12.0	11.9	12.4	12.8	11.5	12.0	11.9	12.4	12.8
	8H	11.5	12.0	11.9	12.3	12.7	11.5	12.0	11.9	12.3	12.7
	12H	11.4	11.9	11.9	12.3	12.7	11.4	11.9	11.9	12.3	12.7
8H	4H	11.4	11.9	11.8	12.3	12.7	11.4	11.9	11.8	12.3	12.7
	6H	11.4	11.8	11.8	12.2	12.6	11.4	11.8	11.8	12.2	12.6
	8H	11.3	11.7	11.8	12.1	12.6	11.3	11.7	11.8	12.1	12.6
	12H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
12H	4H	11.4	11.8	11.8	12.2	12.7	11.4	11.8	11.8	12.2	12.7
	6H	11.3	11.7	11.8	12.1	12.6	11.3	11.7	11.8	12.1	12.6
	8H	11.3	11.6	11.8	12.1	12.6	11.3	11.6	11.8	12.1	12.6
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, 6254 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.4)
Area: 0.1518 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	

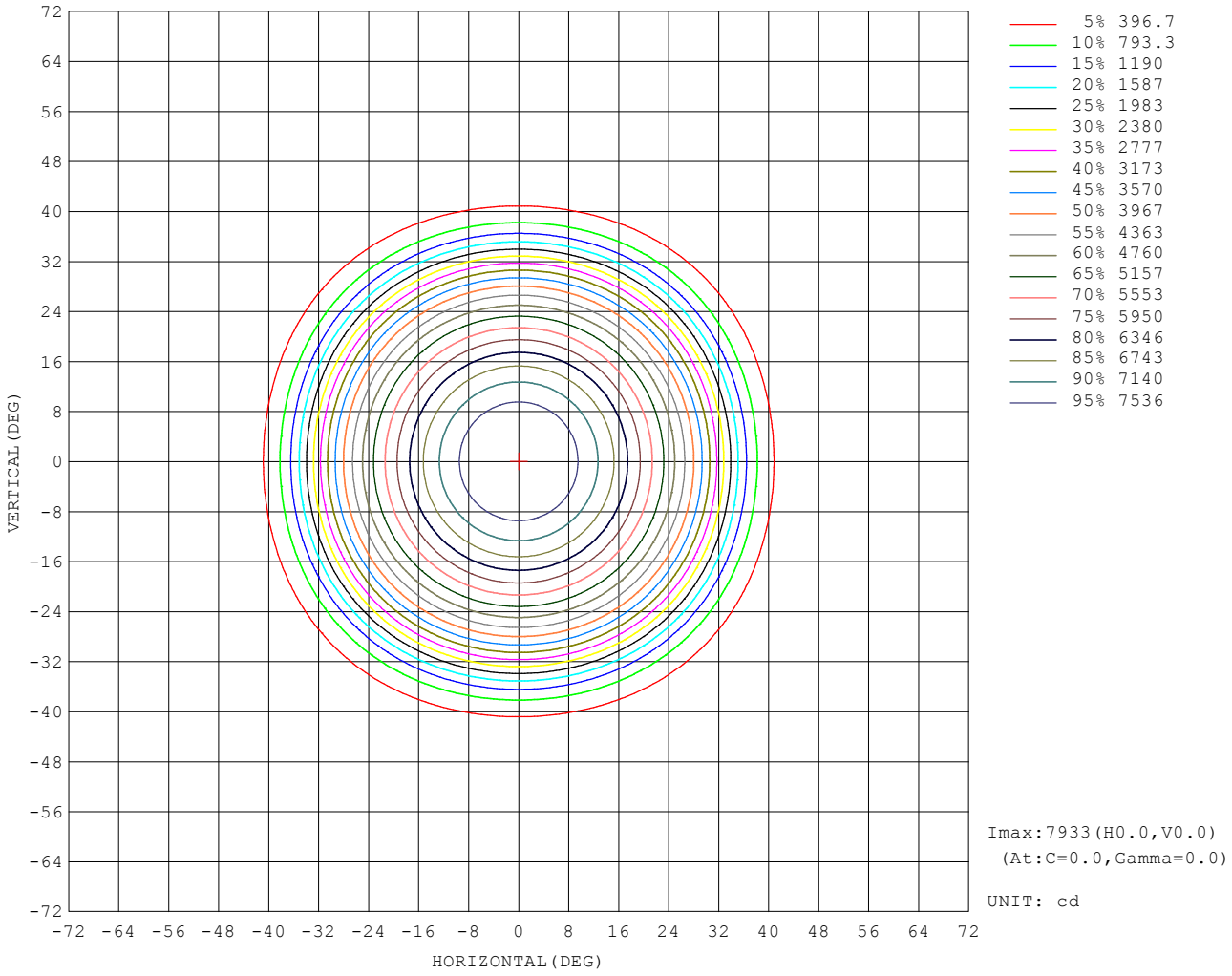
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

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



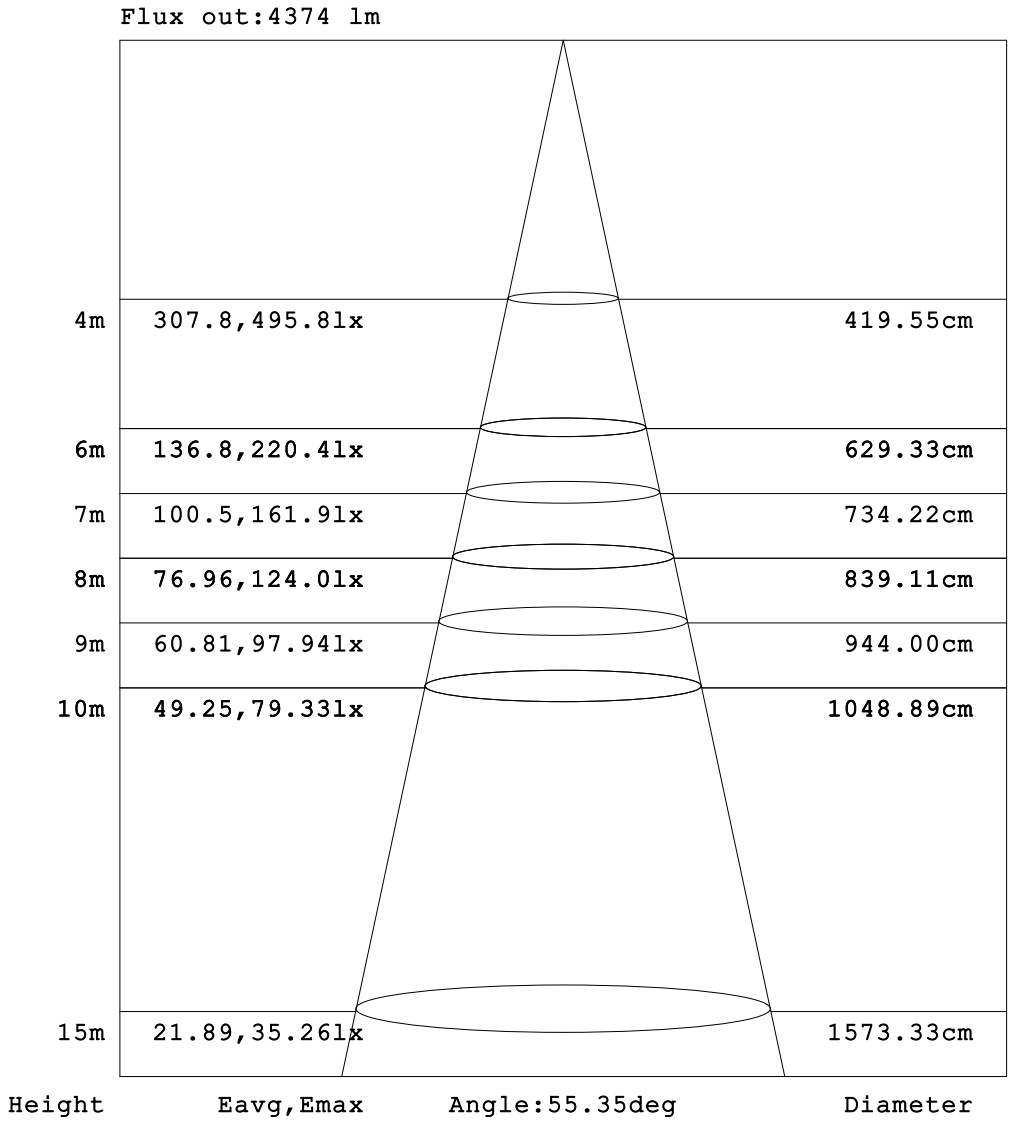
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

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:

AAI Figure



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

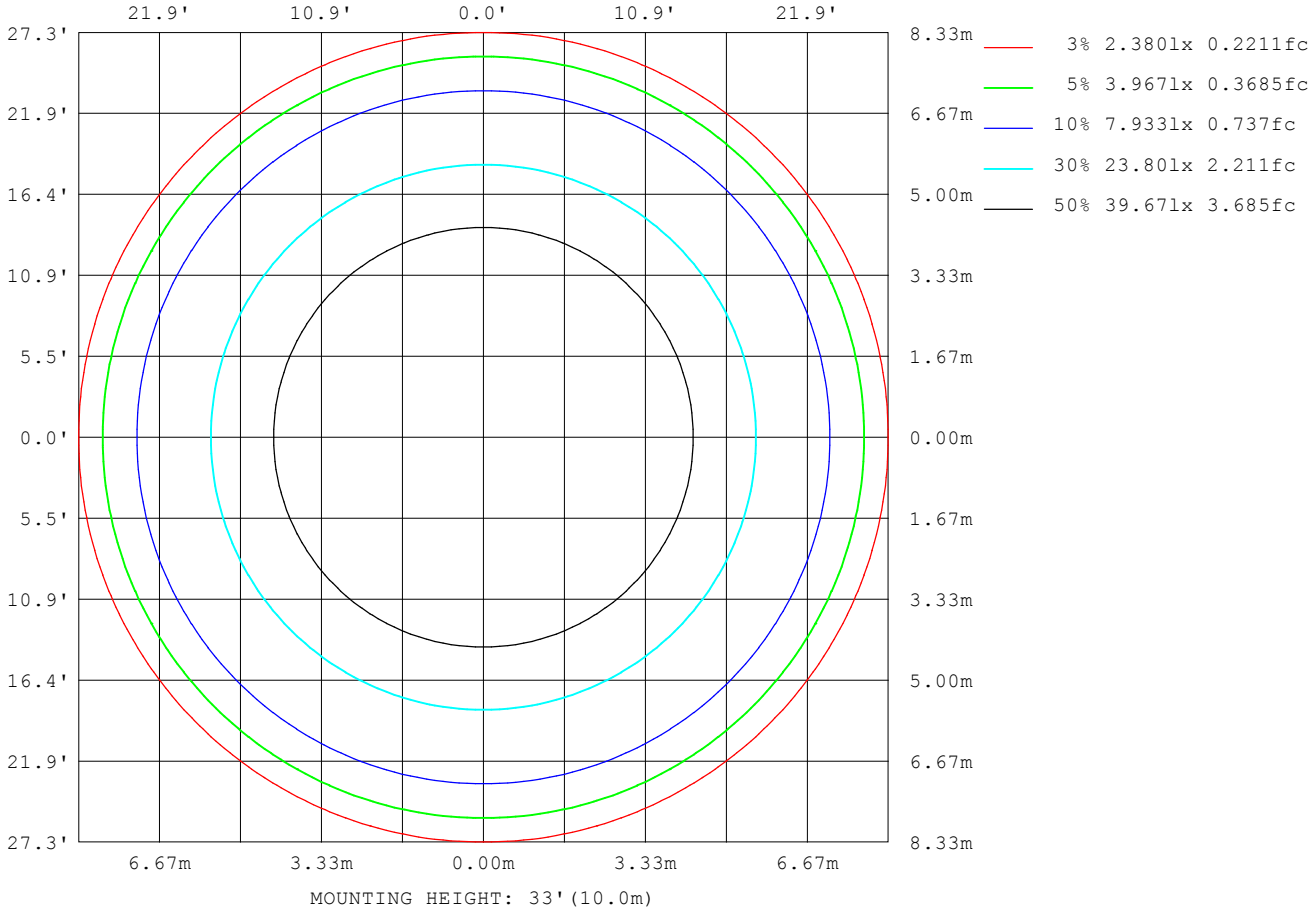
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

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



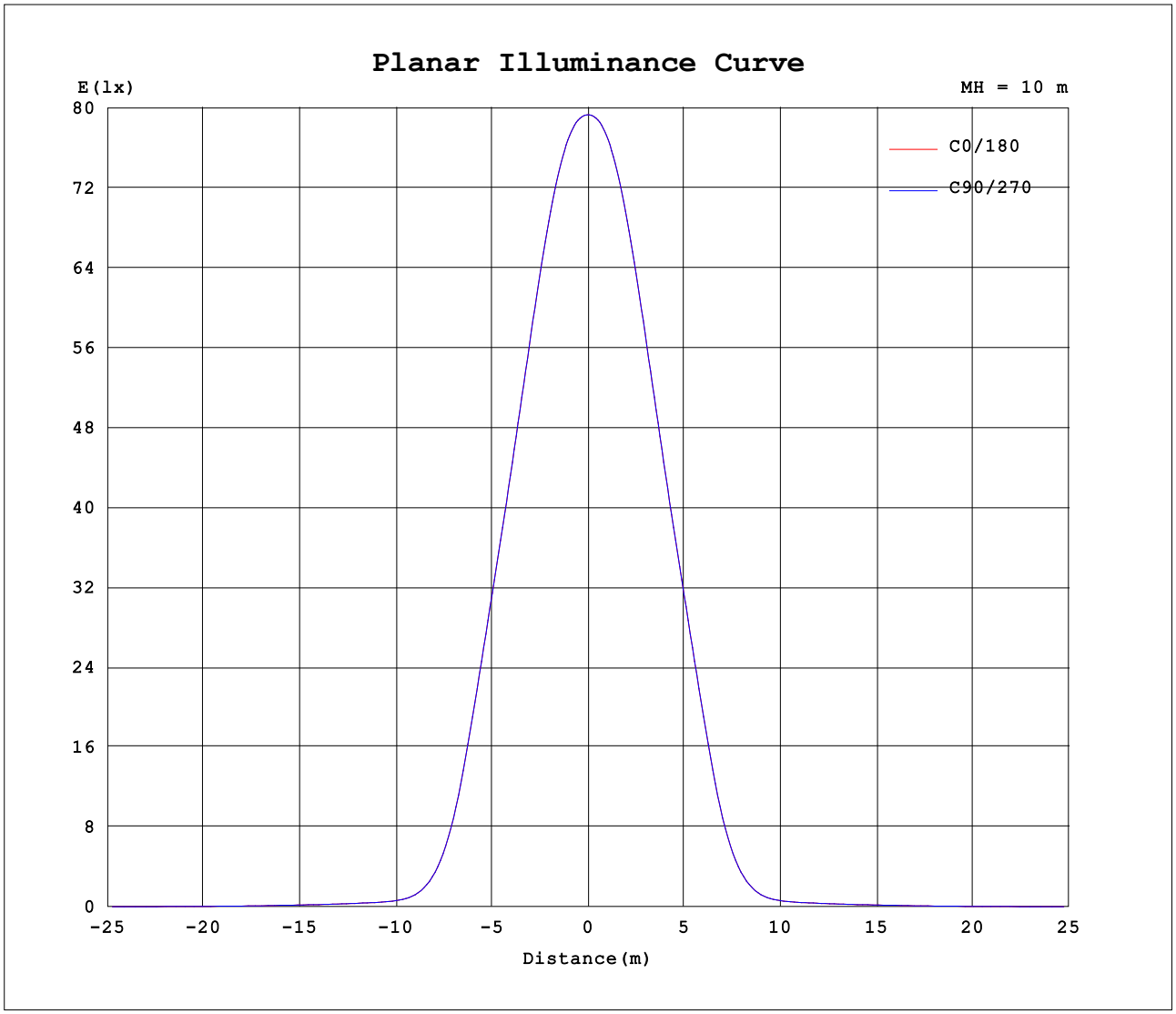
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-18

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

γ (DEG) \ C(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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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--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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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

C(DEG) / γ (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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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--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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621
40	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497	497
45	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
50	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137
55	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65
95	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
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
145	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
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
180	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	51.6

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	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933	7933								
5	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854	7854								
10	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482	7482								
15	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786	6786								
20	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840	5840								
25	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753	4753								
30	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365	3365								
35	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621								
40	497	497	497	497	497	497	497	497	497	497	497								
45	178	178	178	178	178	178	178	178	178	178	178								
50	137	137	137	137	137	137	137	137	137	137	137								
55	117	117	117	117	117	117	117	117	117	117	117								
60	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9								
65	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9								
70	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2								
75	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67								
80	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32								
85	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76	5.76								
90	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65								
95	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54								
100	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98								
105	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66								
110	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56								
115	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12	8.12								
120	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5								
125	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9								
130	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2								
135	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1								
140	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2								
145	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2								
150	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8								
155	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4								
160	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4								
165	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1								
170	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2								
175	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7								
180	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6								

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: