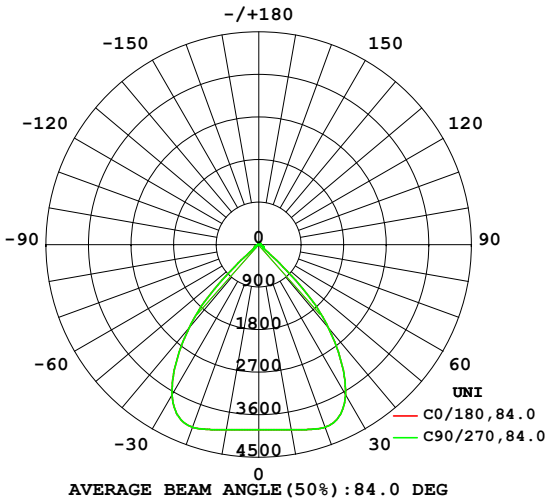
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.09V I:0.2312A P:48.800W PF:0.9173 Freq:50.00Hz Lamp Flux:6582.6x1 lm		
NAME: LHB13-050-4080-L03002	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:1.38*0.11	Shielding Angle:

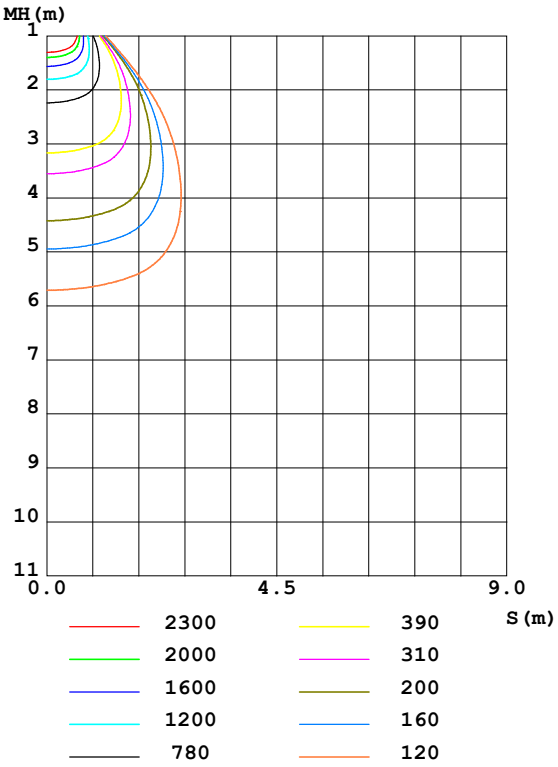
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 134.89 lm/W	
MODEL	RF303	Imax(cd)	4110	S/MH(C0/180)	1.21
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6582.6	η UP,DN(C0-180)	0.9,49.1
NOMINAL FLUX(lm)	6582.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.9,49.1
LAMPS INSIDE	1	η up(%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	98.1	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):84.0 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:2019-12-17

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	3978	3978	3978	3978	3978	3978	3978	3978	0- 10	376.6	376.6	5.72,5.72
20	4110	4110	4110	4110	4110	4110	4110	4110	10- 20	1150	1526	23.2,23.2
30	3672	3672	3672	3672	3672	3672	3672	3672	20- 30	1833	3359	51,51
40	2292	2292	2292	2292	2292	2292	2292	2292	30- 40	1886	5245	79.7,79.7
50	286.7	286.7	286.7	286.7	286.7	286.7	286.7	286.7	40- 50	979.8	6225	94.6,94.6
60	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	50- 60	118.8	6344	96.4,96.4
70	42.33	42.33	42.33	42.33	42.33	42.33	42.33	42.33	60- 70	80.56	6424	97.6,97.6
80	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	70- 80	25.37	6450	98,98
90	6.756	6.756	6.756	6.756	6.756	6.756	6.756	6.756	80- 90	10.97	6461	98.1,98.1
100	10.67	10.67	10.67	10.67	10.67	10.67	10.67	10.67	90-100	7.975	6469	98.3,98.3
110	14.69	14.69	14.69	14.69	14.69	14.69	14.69	14.69	100-110	14.73	6483	98.5,98.5
120	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	110-120	14.22	6498	98.7,98.7
130	20.83	20.83	20.83	20.83	20.83	20.83	20.83	20.83	120-130	16.00	6514	99,99
140	26.80	26.80	26.80	26.80	26.80	26.80	26.80	26.80	130-140	18.41	6532	99.2,99.2
150	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	140-150	18.39	6550	99.5,99.5
160	38.10	38.10	38.10	38.10	38.10	38.10	38.10	38.10	150-160	16.02	6566	99.8,99.8
170	45.32	45.32	45.32	45.32	45.32	45.32	45.32	45.32	160-170	11.73	6578	99.9,99.9
180	49.19	49.19	49.19	49.19	49.19	49.19	49.19	49.19	170-180	4.497	6583	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 5926.9 lm

%lum = 90.0%
%lamp = 90.0%

Conical surface Flux(120deg): 6343.7 lm

%lum = 96.4%
%lamp = 96.4%

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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:

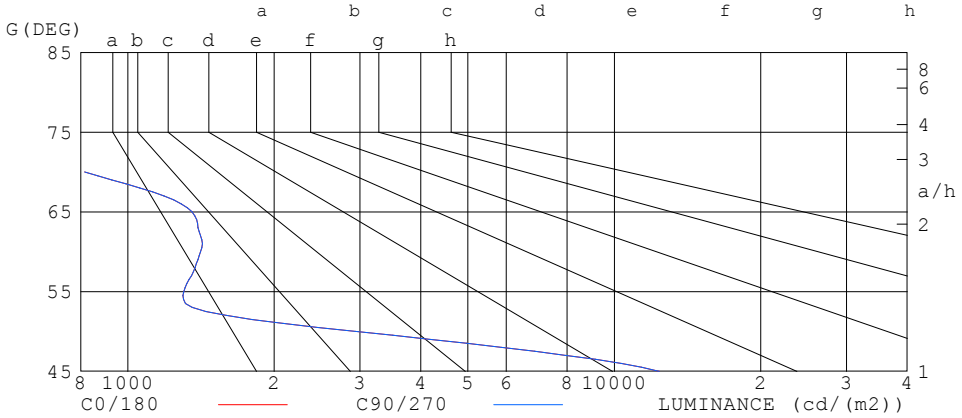
Checker: LI

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	752	752
80	533	533
75	568	568
70	815	815
65	1354	1354
60	1410	1410
55	1304	1304
50	2938	2938
45	12363	12363

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

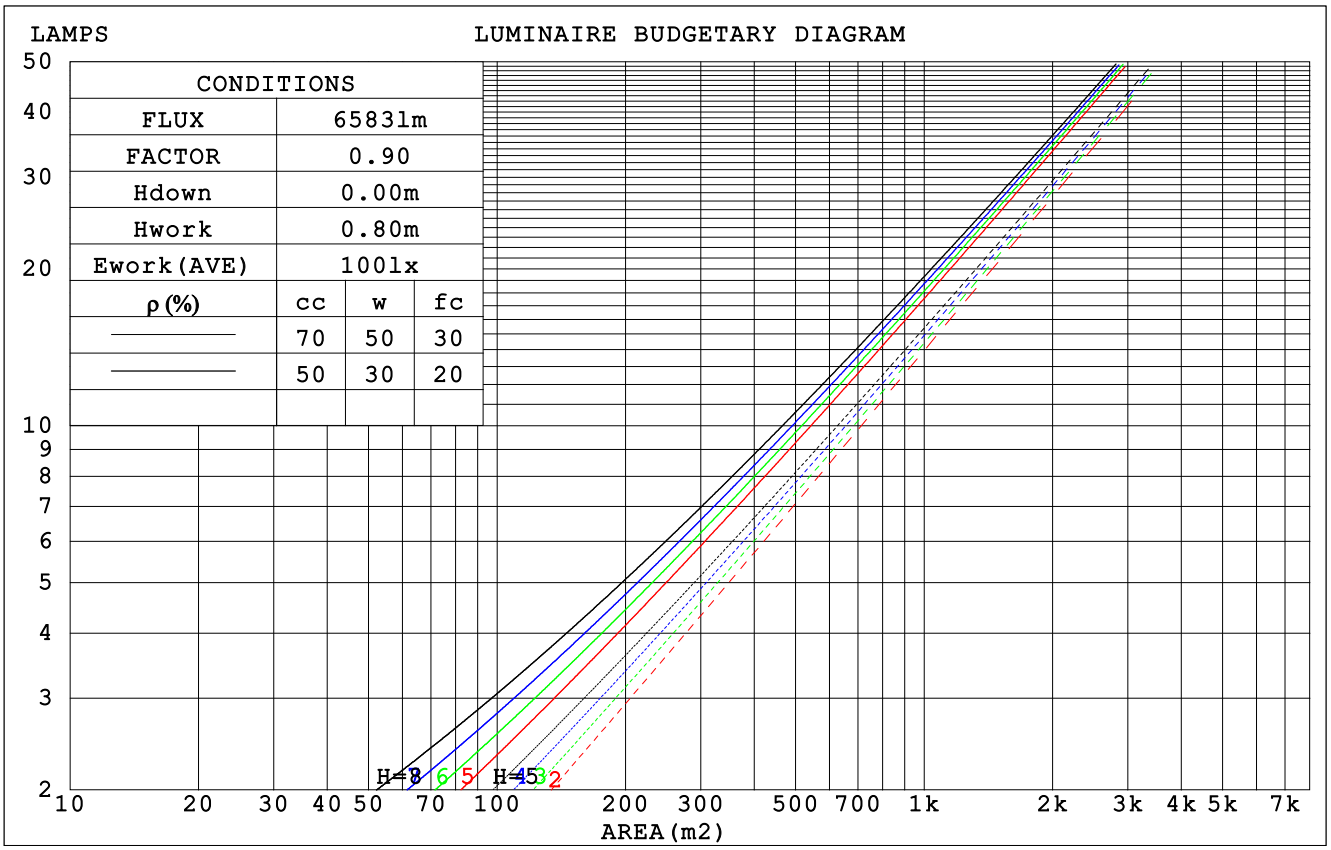
Checker: LI

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	1.09	1.06	1.04	1.07	1.04	1.02	1.02	1.00	.98	.98	.97	.95	.94	.93	.92	.90
2.0	.00	.95	.91	.98	.94	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.92	.86	.81	.90	.85	.81	.87	.83	.79	.84	.81	.77	.82	.79	.76	.74
4.0	.84	.78	.73	.83	.77	.72	.80	.75	.71	.78	.74	.70	.76	.72	.69	.67
5.0	.78	.71	.66	.76	.70	.65	.74	.69	.65	.72	.68	.64	.71	.66	.63	.61
6.0	.72	.65	.60	.71	.64	.59	.69	.63	.59	.67	.62	.58	.66	.61	.58	.56
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.54	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.55	.50	.61	.54	.50	.59	.54	.49	.58	.53	.49	.57	.52	.49	.47
9.0	.57	.50	.46	.57	.50	.46	.55	.50	.45	.54	.49	.45	.53	.48	.45	.43
10.0	.53	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.42	.50	.45	.42	.40



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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	.204	.116	.037	.196	.112	.036	.182	.105	.033	.170	.098	.031	.158	.092	.030	
2.0	.197	.108	.033	.191	.105	.032	.179	.099	.031	.168	.094	.029	.158	.089	.028	
3.0	.188	.100	.030	.183	.098	.030	.173	.094	.028	.163	.089	.027	.154	.086	.026	
4.0	.180	.093	.027	.175	.092	.027	.166	.088	.026	.158	.085	.026	.150	.081	.025	
5.0	.171	.087	.025	.167	.086	.025	.159	.083	.024	.152	.080	.024	.145	.077	.023	
6.0	.163	.082	.023	.160	.081	.023	.153	.078	.023	.146	.076	.022	.140	.074	.022	
7.0	.156	.077	.022	.153	.076	.022	.146	.074	.021	.140	.072	.021	.135	.070	.021	
8.0	.149	.073	.020	.146	.072	.020	.140	.070	.020	.135	.068	.020	.130	.066	.019	
9.0	.142	.069	.019	.139	.068	.019	.134	.066	.019	.129	.065	.019	.125	.063	.018	
10.0	.136	.065	.018	.134	.064	.018	.129	.063	.018	.124	.062	.018	.120	.060	.017	

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	.205	.205	.205	.175	.175	.175	.119	.119	.119	.069	.069	.069	.022	.022	.022	
1.0	.187	.171	.157	.160	.147	.135	.110	.101	.093	.063	.059	.054	.020	.019	.018	
2.0	.174	.147	.124	.149	.126	.107	.102	.087	.075	.059	.051	.044	.019	.016	.014	
3.0	.163	.128	.100	.140	.111	.087	.096	.077	.061	.055	.045	.036	.018	.015	.012	
4.0	.154	.114	.083	.132	.098	.072	.091	.069	.051	.053	.040	.030	.017	.013	.010	
5.0	.147	.103	.070	.126	.089	.061	.087	.062	.043	.050	.036	.026	.016	.012	.008	
6.0	.140	.094	.061	.120	.081	.053	.083	.057	.038	.048	.033	.022	.016	.011	.007	
7.0	.134	.087	.054	.115	.075	.047	.080	.053	.033	.046	.031	.020	.015	.010	.007	
8.0	.128	.081	.048	.111	.070	.042	.076	.049	.030	.044	.029	.018	.014	.010	.006	
9.0	.123	.076	.044	.106	.066	.038	.074	.046	.027	.043	.027	.016	.014	.009	.005	
10.0	.119	.072	.040	.102	.062	.035	.071	.044	.025	.041	.026	.015	.013	.008	.005	

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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	17.3	18.4	17.6	18.6	18.8	17.3	18.4	17.6	18.6	18.8
	3H	17.2	18.2	17.5	18.4	18.7	17.2	18.2	17.5	18.4	18.7
	4H	17.1	18.0	17.4	18.3	18.6	17.1	18.0	17.4	18.3	18.6
	6H	17.0	17.9	17.3	18.2	18.5	17.0	17.9	17.3	18.2	18.5
	8H	17.0	17.8	17.3	18.1	18.4	17.0	17.8	17.3	18.1	18.4
	12H	16.9	17.7	17.3	18.0	18.4	16.9	17.7	17.3	18.0	18.4
4H	2H	17.1	18.0	17.4	18.3	18.5	17.1	18.0	17.4	18.3	18.5
	3H	16.9	17.7	17.3	18.1	18.4	16.9	17.7	17.3	18.1	18.4
	4H	16.9	17.6	17.2	17.9	18.3	16.9	17.6	17.2	17.9	18.3
	6H	16.8	17.4	17.2	17.8	18.2	16.8	17.4	17.2	17.8	18.2
	8H	16.7	17.3	17.2	17.7	18.1	16.7	17.3	17.2	17.7	18.1
	12H	16.7	17.2	17.1	17.7	18.1	16.7	17.2	17.1	17.7	18.1
8H	4H	16.7	17.3	17.2	17.7	18.1	16.7	17.3	17.2	17.7	18.1
	6H	16.6	17.1	17.1	17.6	18.0	16.6	17.1	17.1	17.6	18.0
	8H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
	12H	16.6	17.0	17.1	17.4	17.9	16.6	17.0	17.1	17.4	17.9
12H	4H	16.7	17.2	17.1	17.6	18.1	16.7	17.2	17.1	17.6	18.1
	6H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
	8H	16.6	16.9	17.1	17.4	17.9	16.6	16.9	17.1	17.4	17.9
Variations with the observer position at spacings:											
S = 1.0H		+ 2.4 / - 8.9					+ 2.4 / - 8.9				
1.5H		+ 3.8 / - 9.6					+ 3.8 / - 9.6				
2.0H		+ 7.3 / - 6.0					+ 7.3 / - 6.0				

CIE Pub.117, 6583 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.5)
Area: 0.1518 m2

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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:

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	79	71	66	78	71	66	77	70	66	62
0.80	87	80	76	87	80	75	85	79	75	70
1.00	93	87	82	92	86	82	91	86	81	76
1.25	98	92	88	97	91	87	95	90	87	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	101	97	104	99	96	101	97	94	88
2.50	108	103	99	106	102	98	102	99	96	90
3.00	109	105	102	107	104	101	104	101	99	91
4.00	112	108	106	110	107	104	105	103	101	93
5.00	113	110	108	111	108	106	106	105	103	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

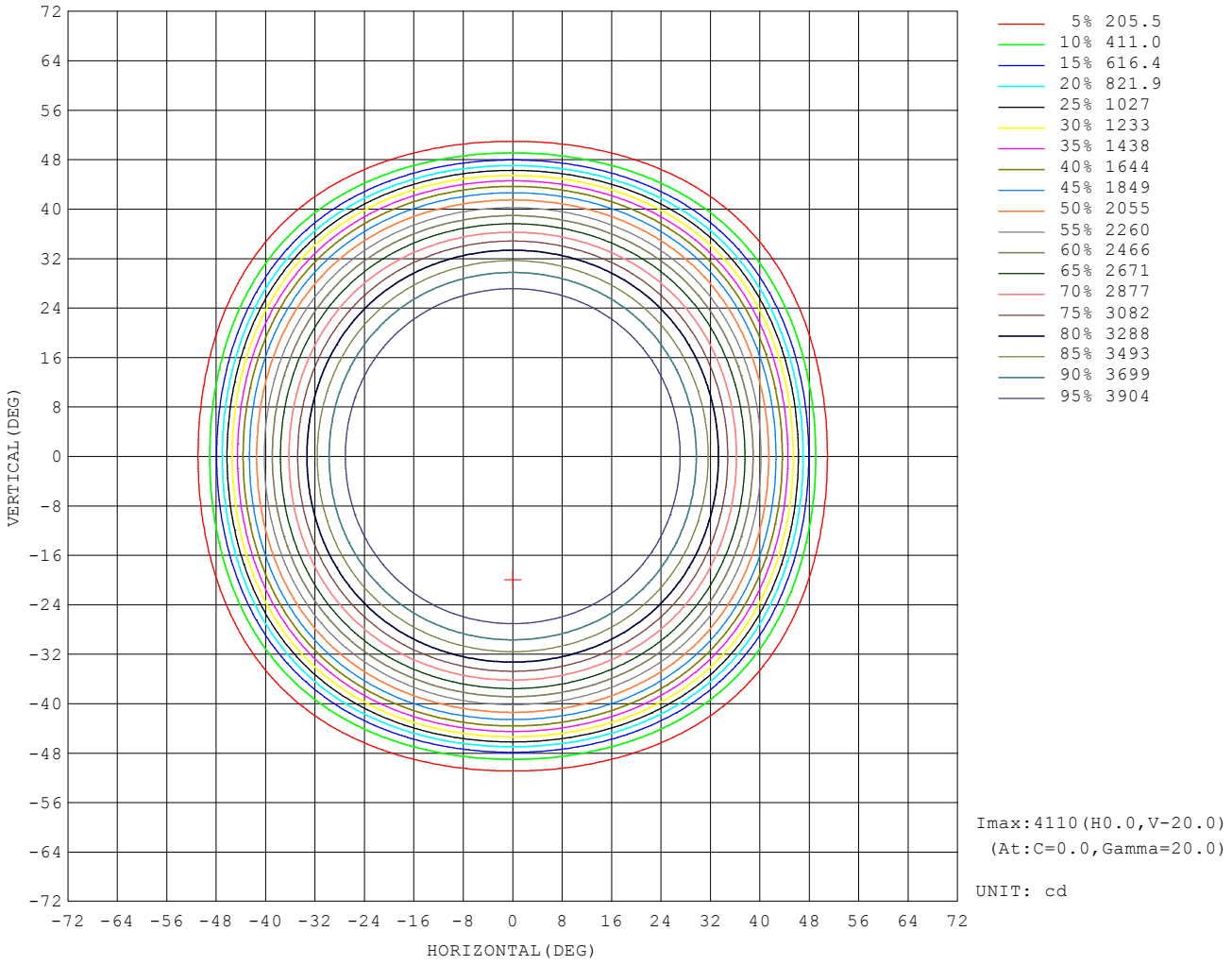
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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



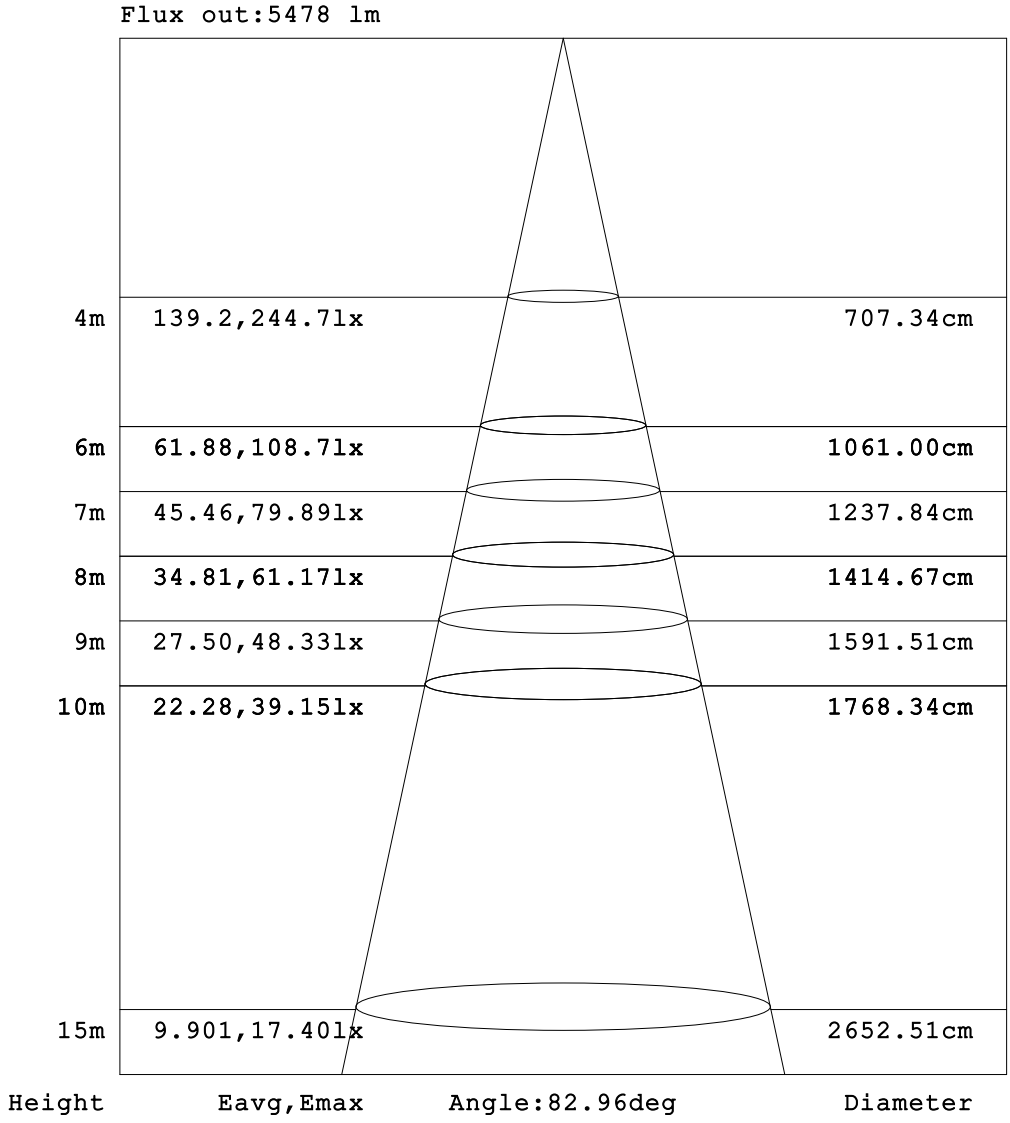
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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.

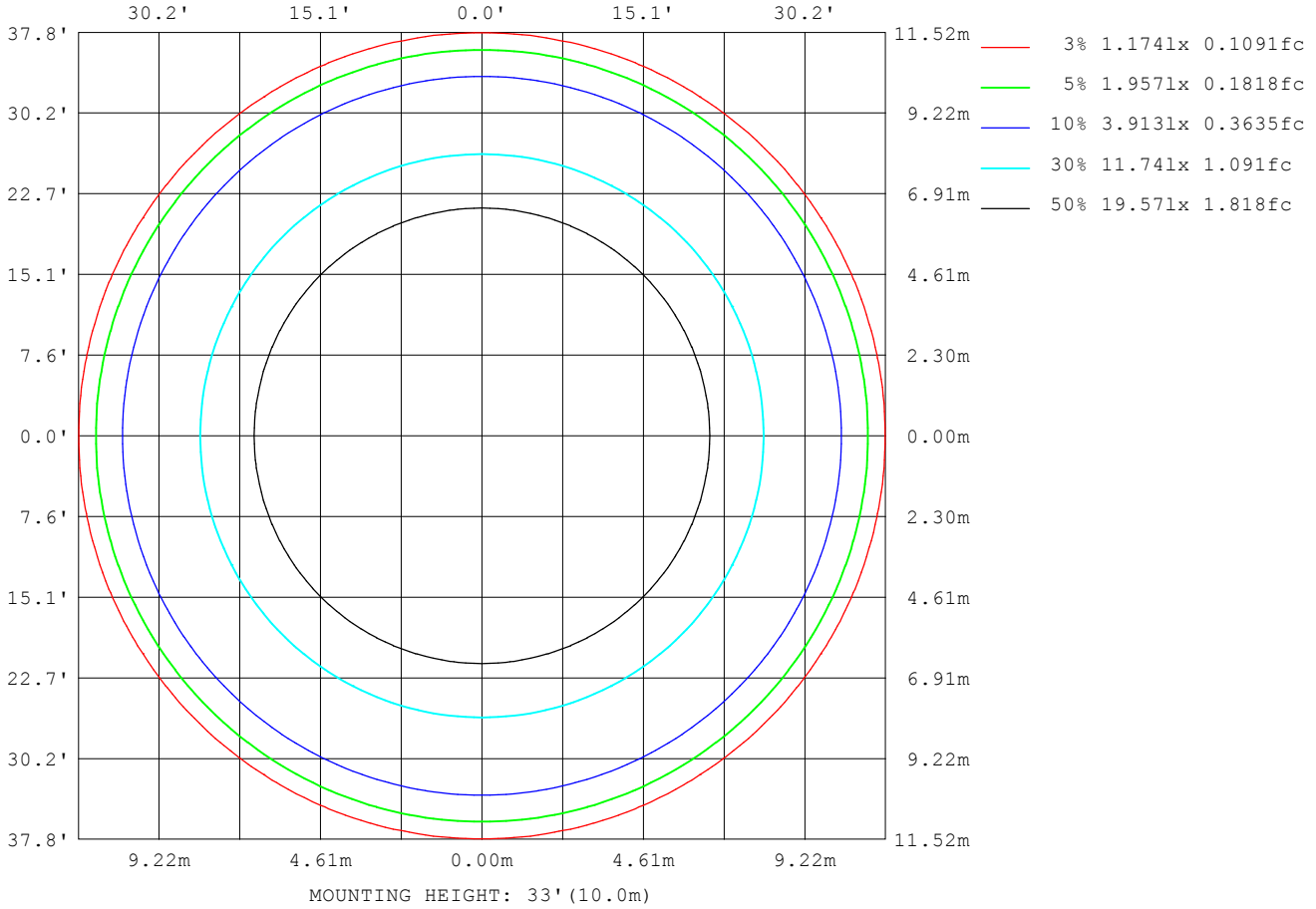
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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



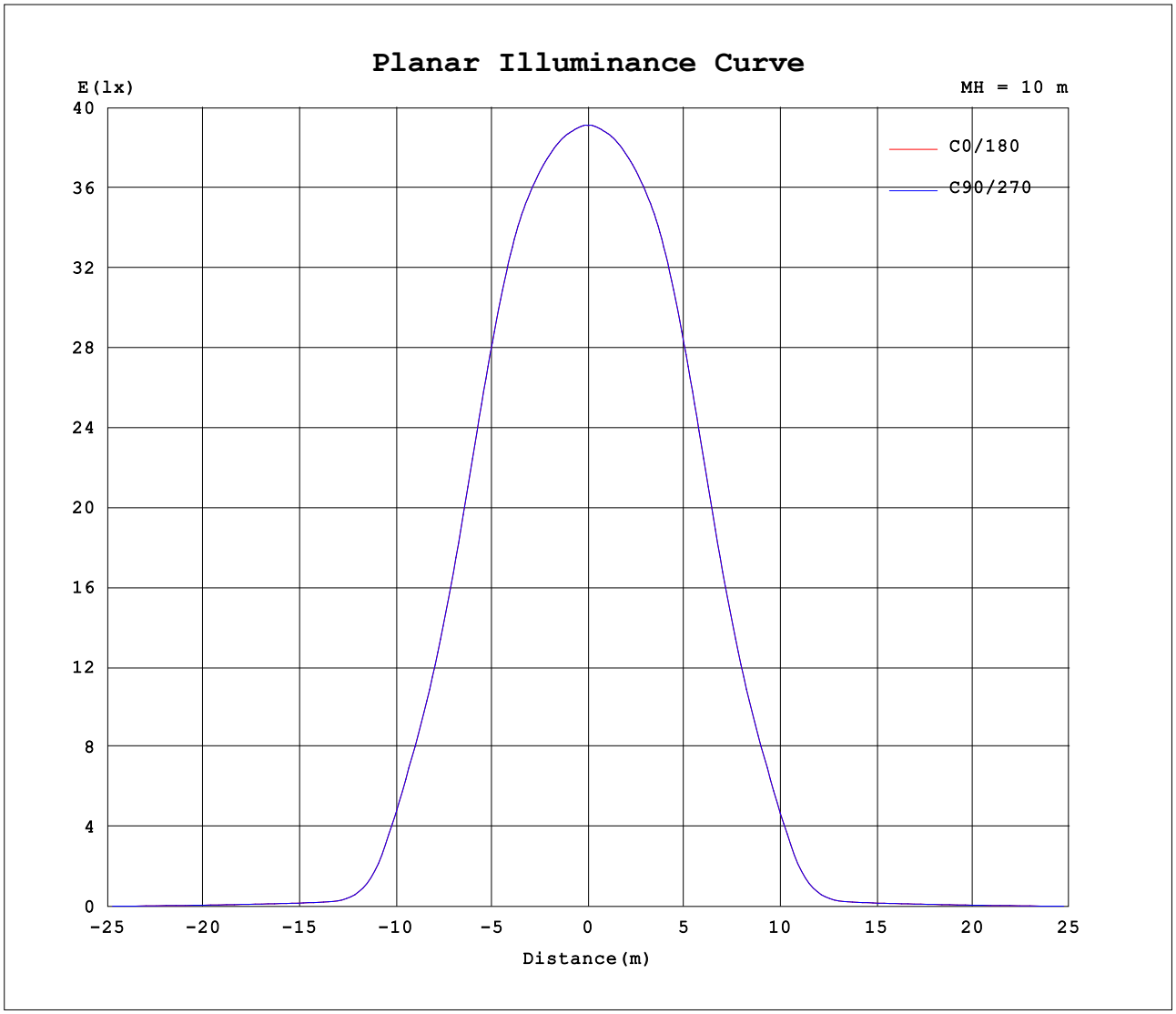
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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:2019-12-17

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--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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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

γ (DEG) \ C(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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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

γ (DEG) \ C(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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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

γ (DEG) \ C(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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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

γ (DEG) \ C(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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327
50	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287	287
55	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
60	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
105	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
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120	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
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
180	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

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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--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	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913	3913								
5	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927	3927								
10	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978	3978								
15	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049	4049								
20	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110	4110								
25	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017	4017								
30	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672	3672								
35	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054	3054								
40	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292	2292								
45	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327	1327								
50	287	287	287	287	287	287	287	287	287	287	287								
55	114	114	114	114	114	114	114	114	114	114	114								
60	107	107	107	107	107	107	107	107	107	107	107								
65	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9								
70	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3								
75	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3								
80	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1								
85	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95	9.95								
90	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76	6.76								
95	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67	6.67								
100	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7								
105	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6								
110	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7								
115	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0								
120	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2								
125	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8								
130	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8								
135	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9								
140	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8								
145	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4								
150	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9								
155	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7								
160	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1								
165	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8								
170	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3								
175	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0								
180	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2								

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LI
Test Date:2019-12-17

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: