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Nata

Client:

LumCAT: 2-2755-L

Luminaire: 92.70.412.00

Report No: 2024822-B014

Ballast type: AC

Test No: 2024822-C014

Voltage(V): 34.910

LampCAT: Fortimo_SLM_C_1208

Current(A): 0.576

Lamp flux(lm): 3311.0

Power (W): 20.100

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 3095.06, Efficiency(%): 93.48% , Luminous Efficacy(lm/W): 153.98

Central intensity(cd): 11161.520, Maximum intensity(cd): 11161.520

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.8

[C90/270]Total=24.8

Field angle(10%Imax): [C0/180]Total=55.2

[C90/270]Total=55.2

Maximum s/h(1/2): C0_180=0.42 C90_270=0.42

Maximum s/h(1/4): C0_180=0.44 C90_270=0.44

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.48%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.007%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/22
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11161.515	0.000	0	0.00%	0.00%
1.0	11029.643	10.618	10.618	0.32%	0.34%
2.0	10966.265	31.571	42.189	0.95%	1.36%
3.0	10754.820	51.950	94.138	1.57%	3.04%
4.0	10353.840	70.657	164.796	2.13%	5.32%
5.0	9923.708	87.233	252.029	2.63%	8.14%
6.0	9444.272	101.784	353.813	3.07%	11.43%
7.0	8877.084	113.720	467.533	3.43%	15.11%
8.0	8314.632	123.038	590.571	3.72%	19.08%
9.0	7685.866	129.675	720.246	3.92%	23.27%
10.0	7077.863	133.606	853.852	4.04%	27.59%
11.0	6454.879	135.220	989.072	4.08%	31.96%
12.0	5828.491	134.275	1123.347	4.06%	36.29%
13.0	5265.692	131.660	1255.007	3.98%	40.55%
14.0	4676.630	127.261	1382.268	3.84%	44.66%
15.0	4179.356	121.579	1503.847	3.67%	48.59%
16.0	3719.566	115.741	1619.588	3.50%	52.33%
17.0	3297.791	109.279	1728.867	3.30%	55.86%
18.0	2960.957	103.193	1832.061	3.12%	59.19%
19.0	2657.028	97.741	1929.802	2.95%	62.35%
20.0	2320.799	91.108	2020.91	2.75%	65.29%
21.0	2157.145	85.986	2106.896	2.60%	68.07%
22.0	1963.006	82.796	2189.692	2.50%	70.75%
23.0	1741.921	77.739	2267.431	2.35%	73.26%
24.0	1571.461	72.442	2339.874	2.19%	75.60%
25.0	1435.212	68.365	2408.239	2.06%	77.81%
26.0	1321.204	65.066	2473.304	1.97%	79.91%
27.0	1214.240	62.030	2535.335	1.87%	81.92%
28.0	1059.148	57.557	2592.892	1.74%	83.78%
29.0	971.598	53.130	2646.022	1.60%	85.49%
30.0	856.959	49.371	2695.393	1.49%	87.09%
31.0	745.875	44.605	2739.997	1.35%	88.53%
32.0	642.596	39.778	2779.775	1.20%	89.81%
33.0	563.956	35.545	2815.321	1.07%	90.96%
34.0	470.566	31.308	2846.628	0.95%	91.97%
35.0	399.482	27.020	2873.649	0.82%	92.85%
36.0	347.116	23.772	2897.421	0.72%	93.61%
37.0	291.939	20.842	2918.263	0.63%	94.29%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	243.332	17.867	2936.13	0.54%	94.86%
39.0	206.433	15.352	2951.481	0.46%	95.36%
40.0	181.794	13.540	2965.021	0.41%	95.80%
41.0	152.352	11.899	2976.92	0.36%	96.18%
42.0	122.891	10.000	2986.92	0.30%	96.51%
43.0	104.218	8.413	2995.333	0.25%	96.78%
44.0	89.074	7.295	3002.628	0.22%	97.01%
45.0	77.687	6.409	3009.037	0.19%	97.22%
46.0	67.661	5.684	3014.721	0.17%	97.40%
47.0	60.992	5.117	3019.838	0.15%	97.57%
48.0	54.954	4.687	3024.525	0.14%	97.72%
49.0	50.664	4.337	3028.863	0.13%	97.86%
50.0	47.050	4.074	3032.937	0.12%	97.99%
51.0	43.666	3.838	3036.775	0.12%	98.12%
52.0	40.946	3.631	3040.406	0.11%	98.23%
53.0	38.903	3.473	3043.879	0.10%	98.35%
54.0	36.715	3.333	3047.212	0.10%	98.45%
55.0	34.553	3.181	3050.393	0.10%	98.56%
56.0	32.674	3.038	3053.431	0.09%	98.65%
57.0	31.038	2.913	3056.344	0.09%	98.75%
58.0	29.264	2.789	3059.133	0.08%	98.84%
59.0	27.628	2.660	3061.792	0.08%	98.93%
60.0	25.880	2.528	3064.32	0.08%	99.01%
61.0	24.428	2.401	3066.721	0.07%	99.08%
62.0	22.917	2.281	3069.003	0.07%	99.16%
63.0	21.452	2.158	3071.16	0.07%	99.23%
64.0	19.882	2.028	3073.189	0.06%	99.29%
65.0	18.614	1.905	3075.094	0.06%	99.35%
66.0	17.392	1.796	3076.89	0.05%	99.41%
67.0	16.104	1.684	3078.575	0.05%	99.47%
68.0	14.915	1.571	3080.146	0.05%	99.52%
69.0	13.601	1.455	3081.601	0.04%	99.57%
70.0	12.602	1.346	3082.946	0.04%	99.61%
71.0	11.649	1.253	3084.2	0.04%	99.65%
72.0	10.683	1.161	3085.361	0.04%	99.69%
73.0	9.658	1.064	3086.425	0.03%	99.72%
74.0	8.922	0.977	3087.401	0.03%	99.75%
75.0	8.180	0.904	3088.305	0.03%	99.78%

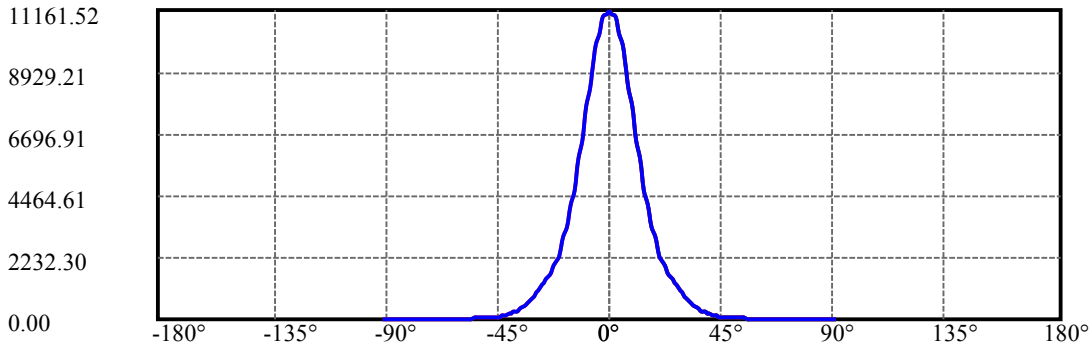
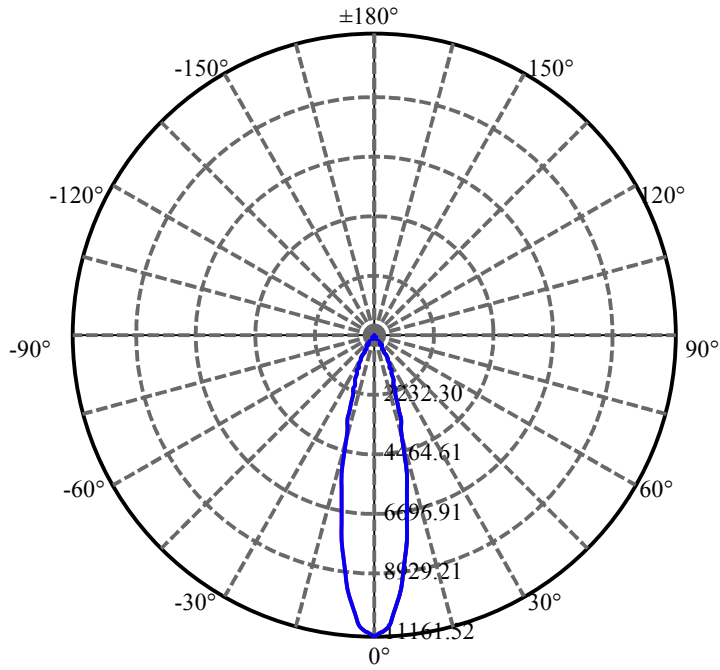
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.451	0.830	3089.135	0.03%	99.81%
77.0	6.866	0.763	3089.898	0.02%	99.83%
78.0	6.216	0.700	3090.598	0.02%	99.86%
79.0	5.664	0.638	3091.237	0.02%	99.88%
80.0	5.125	0.582	3091.818	0.02%	99.90%
81.0	4.626	0.527	3092.346	0.02%	99.91%
82.0	4.106	0.474	3092.819	0.01%	99.93%
83.0	3.673	0.423	3093.242	0.01%	99.94%
84.0	3.187	0.374	3093.616	0.01%	99.95%
85.0	2.838	0.329	3093.944	0.01%	99.96%
86.0	2.464	0.290	3094.234	0.01%	99.97%
87.0	2.129	0.251	3094.486	0.01%	99.98%
88.0	1.820	0.216	3094.702	0.01%	99.99%
89.0	1.616	0.188	3094.89	0.01%	99.99%
90.0	1.511	0.171	3095.062	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2695.39	81.41%	87.09%
0-40	2965.02	89.55%	95.80%
0-60	3064.32	92.55%	99.01%
0-90	3094.89	93.47%	99.99%
0-120	3094.89	93.47%	99.99%
0-180	3095.06	93.48%	100.00%
60-90	30.57	0.92%	0.99%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.04	2476.05	74.78%	80.00%

ZONAL LUMEN SUMMARY

0-10	853.85
10-20	1167.06
20-30	674.48
30-40	269.63
40-50	67.92
50-60	31.38
60-70	18.63
70-80	8.87
80-90	3.07
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



C0(Max): —————

C0/C180: —————

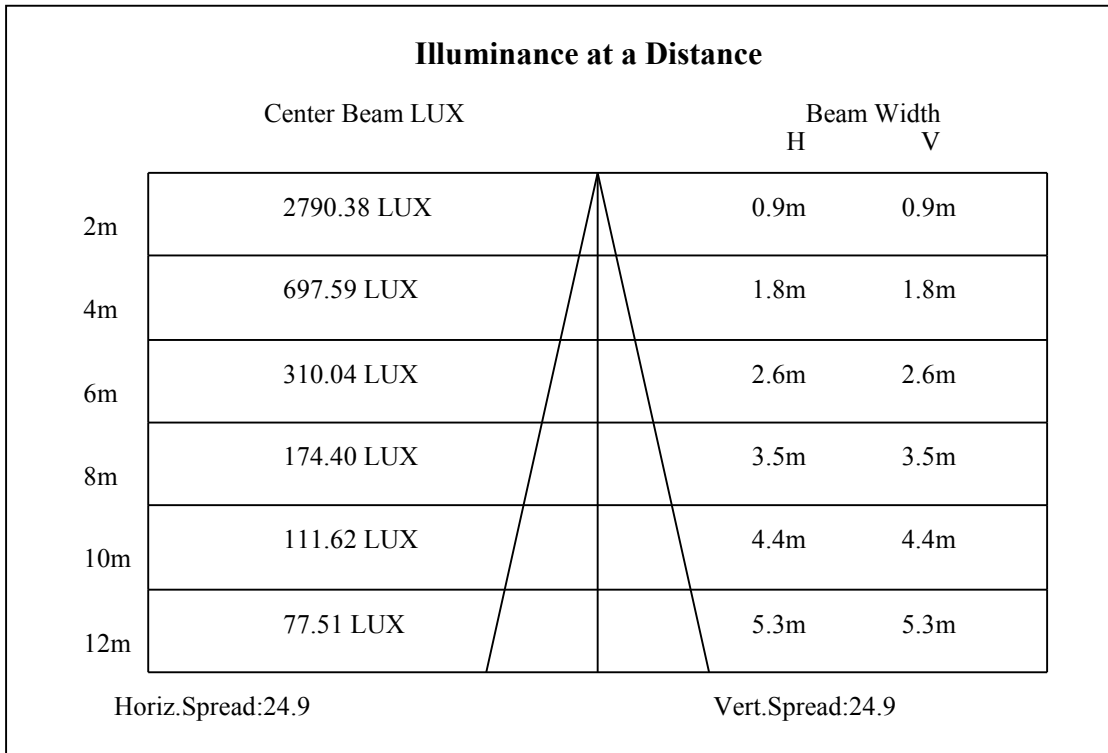
C90/C270: —————

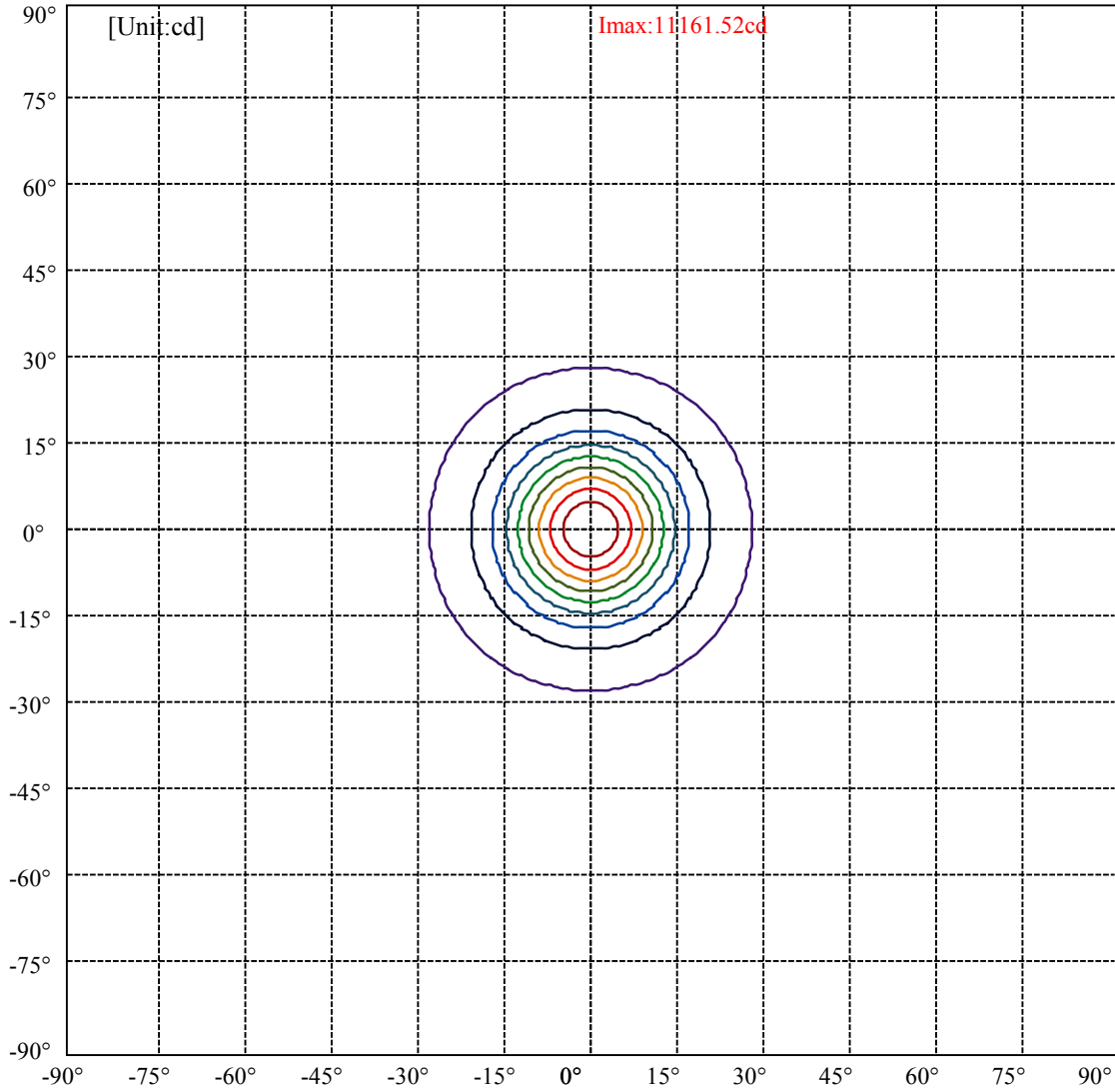
Field angle(10%Imax):C0/180Left:27.6 Right:27.6

:C90/270Left:27.6 Right:27.6

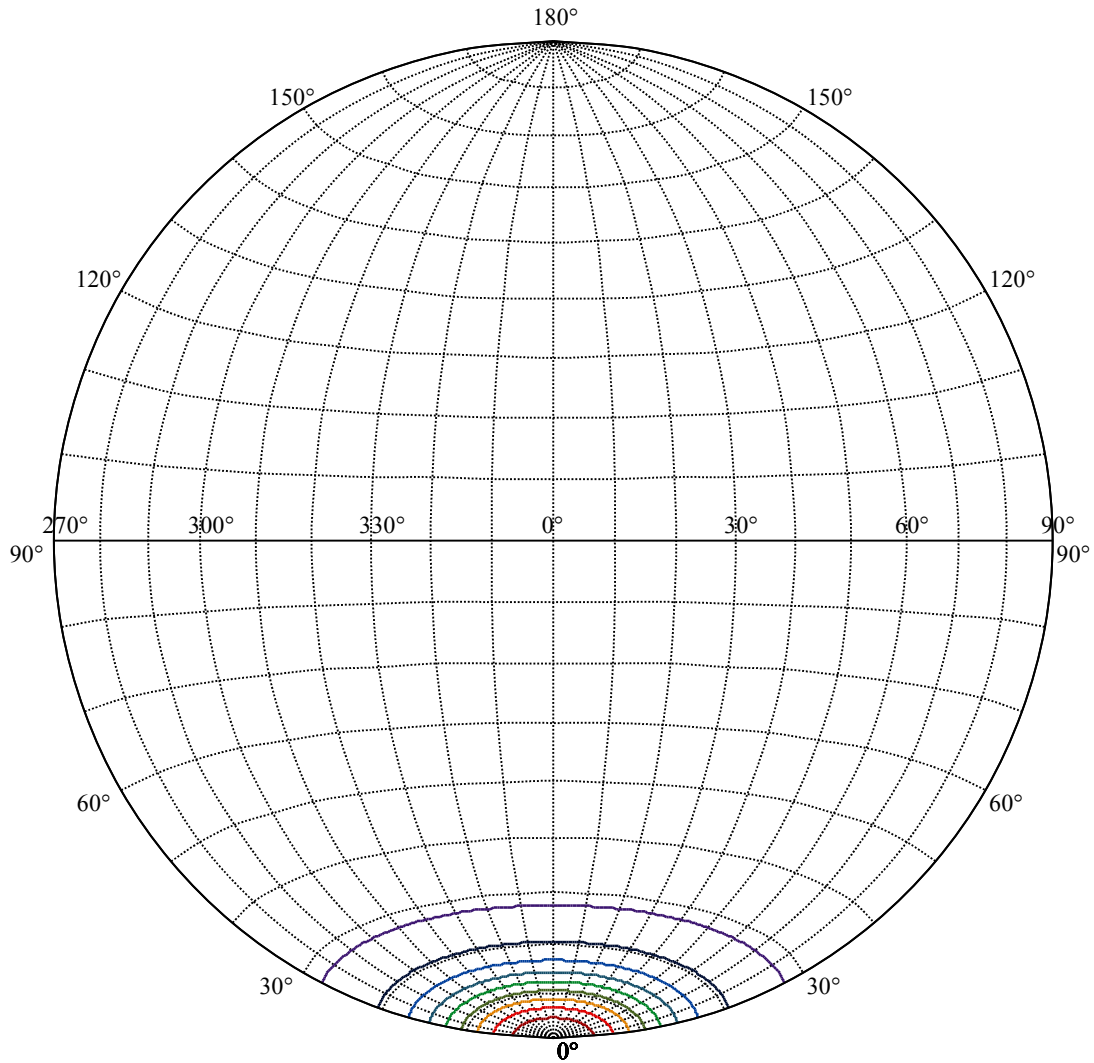
Beam Angle(50%Imax):C0/180Left:12.4 Right:12.4

:C90/270Left:12.4 Right:12.4





(10%Imax) 1116.15	—
(20%Imax) 2232.3	—
(30%Imax) 3348.45	—
(40%Imax) 4464.61	—
(50%Imax) 5580.76	—
(60%Imax) 6696.91	—
(70%Imax) 7813.06	—
(80%Imax) 8929.21	—
(90%Imax) 10045.4	—



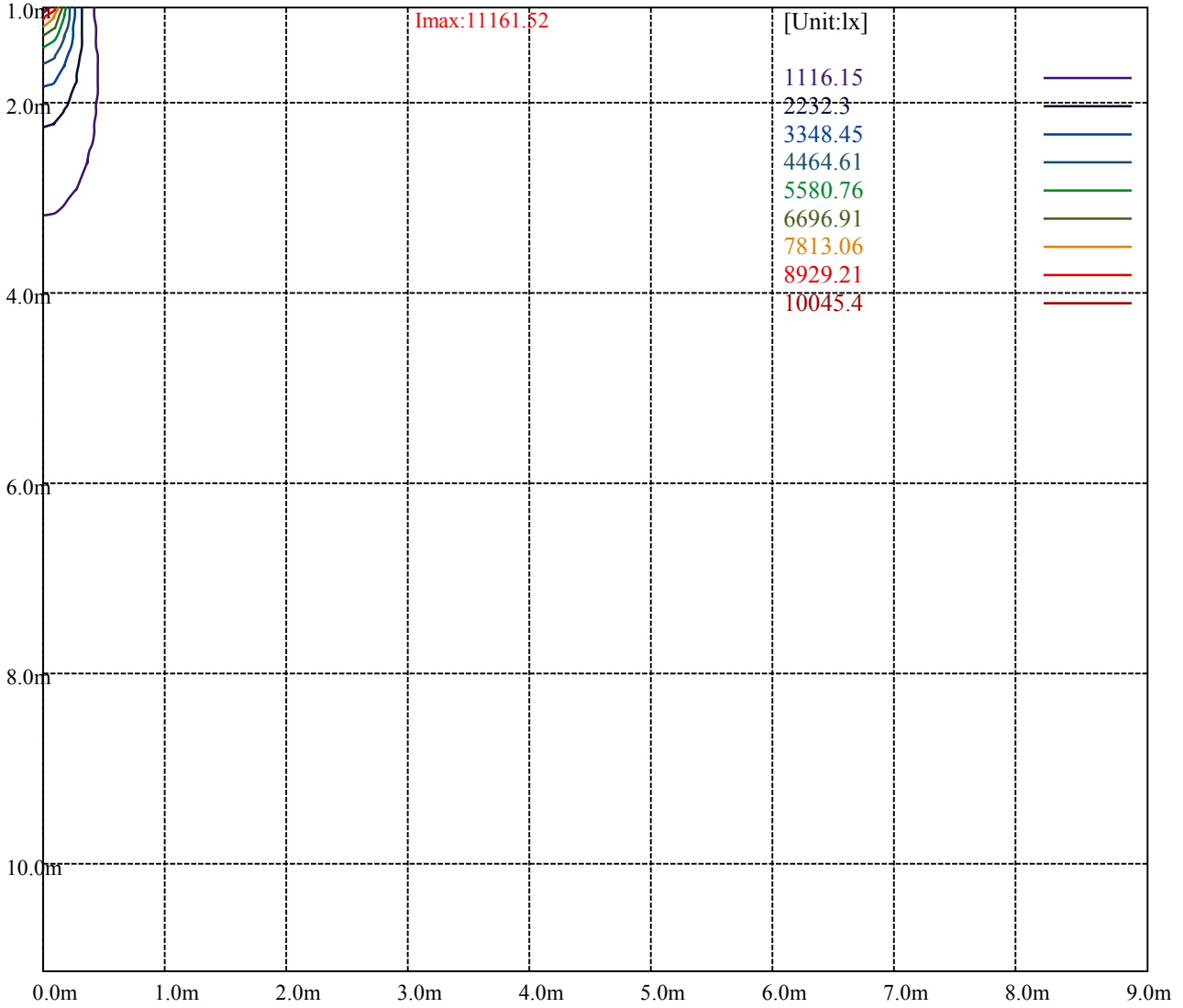
House

[Unit:cd]

Road

Imax:11161.52

(10%Imax)	1116.15	—
(20%Imax)	2232.3	—
(30%Imax)	3348.45	—
(40%Imax)	4464.61	—
(50%Imax)	5580.76	—
(60%Imax)	6696.91	—
(70%Imax)	7813.06	—
(80%Imax)	8929.21	—
(90%Imax)	10045.4	—



Luminance Table

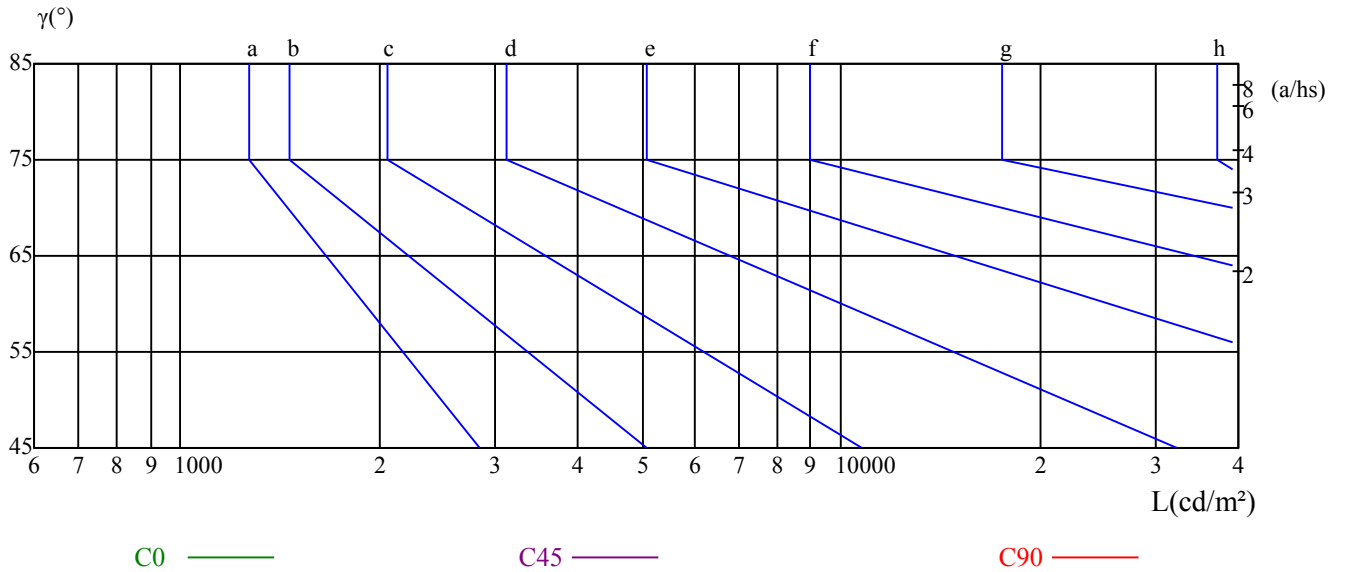
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

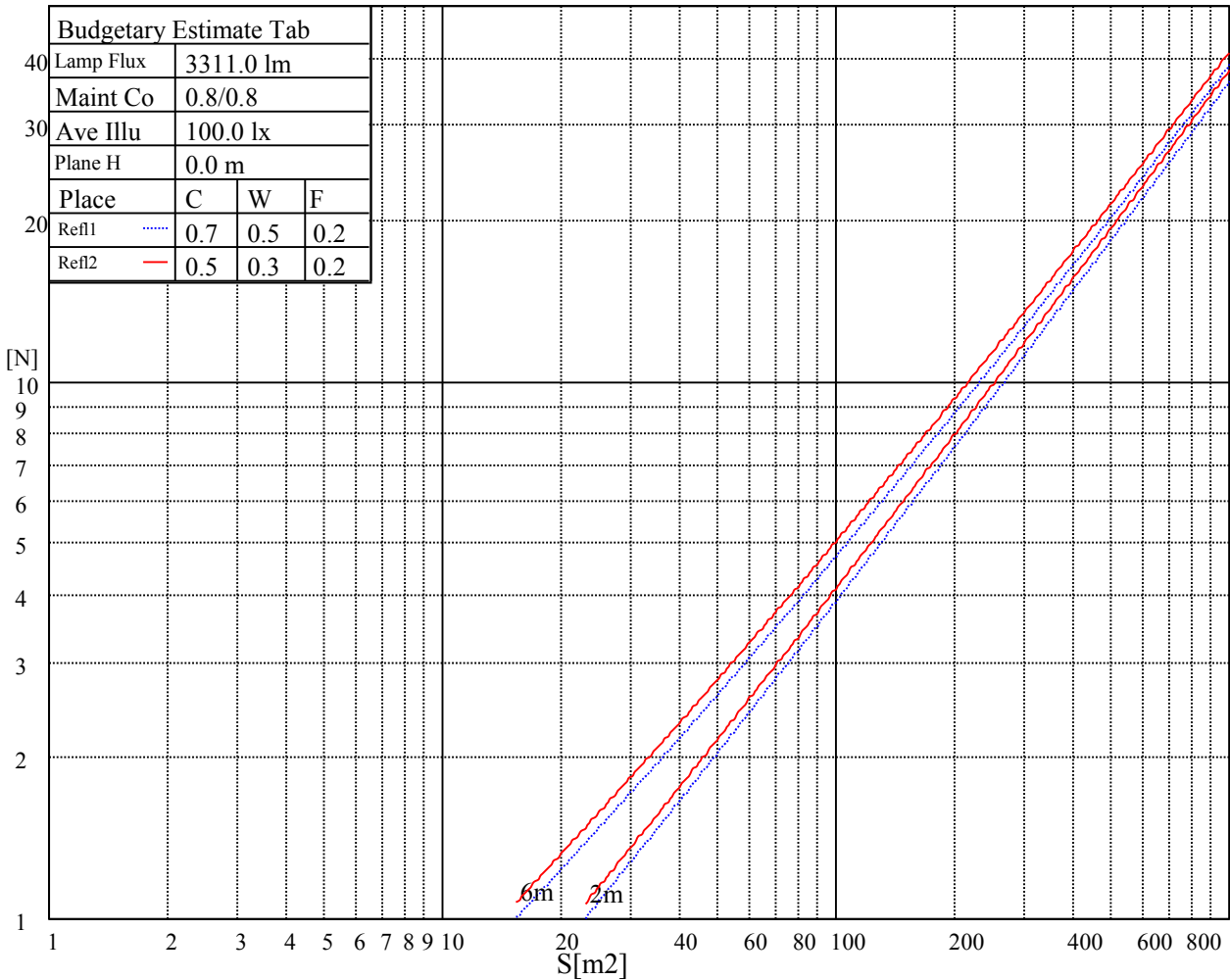
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

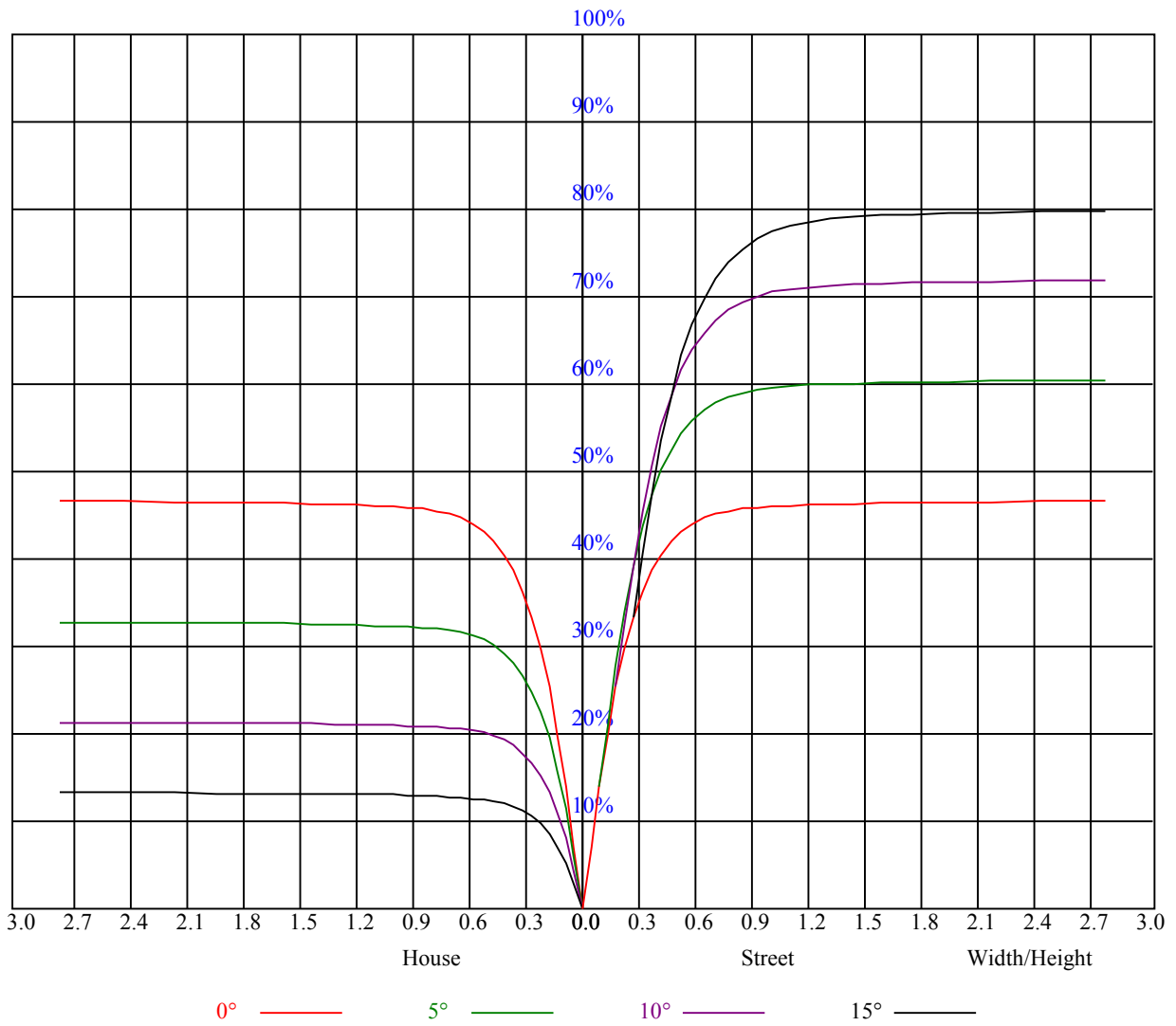


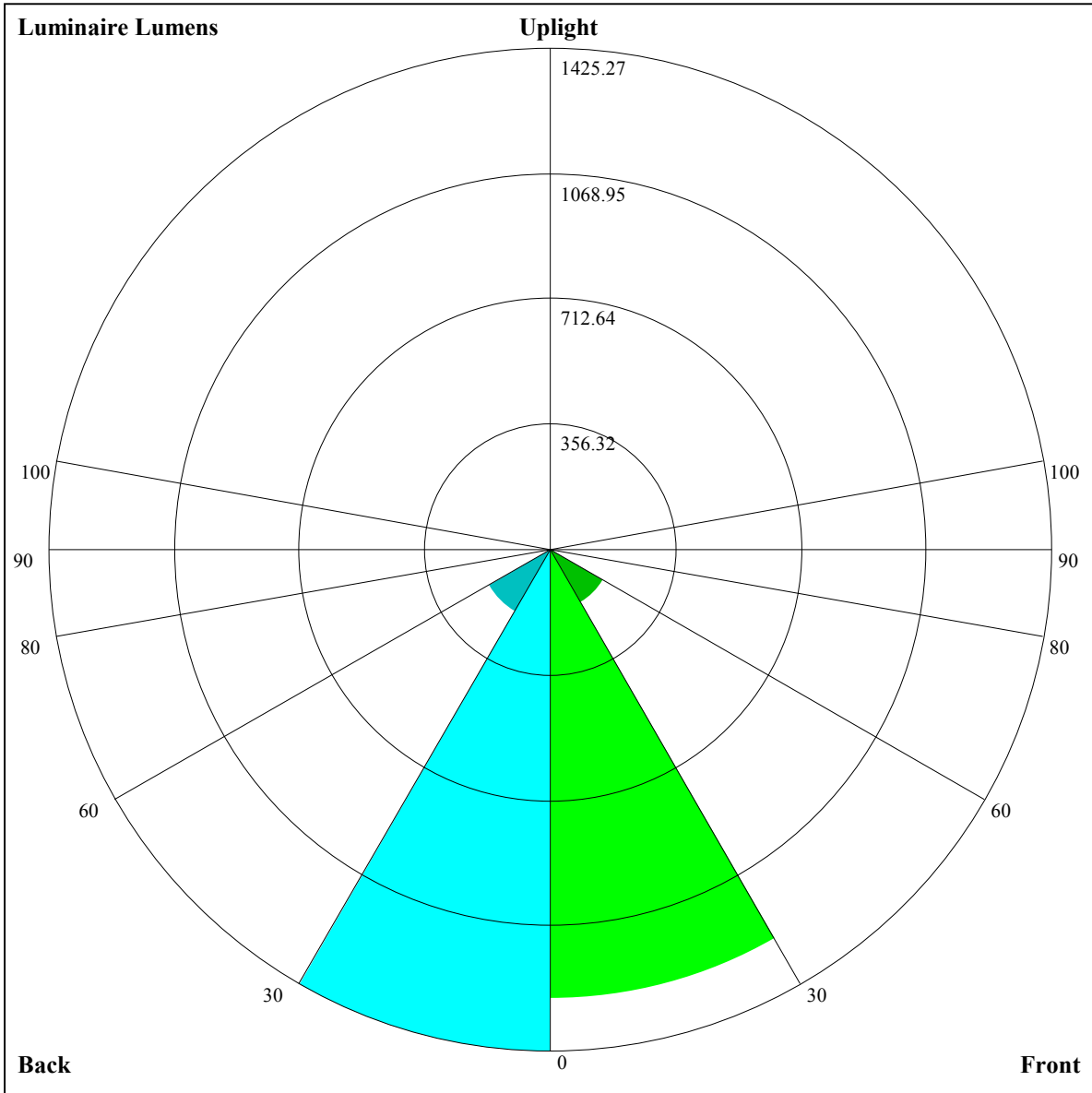
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
4H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
8H	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
12H	12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
Variation with the observer position at spacings:											
S = 1.0H		非数字/非数字					非数字/非数字				
S = 1.5H		非数字/非数字					非数字/非数字				
S = 2.0H		非数字/非数字					非数字/非数字				
Standard tables:		BK0					BK0				
Uncorrected UGR		负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.11	1.11	1.11	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.94	0.93	0.92	0.92	0.91	0.89
2	0.99	0.96	0.93	0.97	0.94	0.92	0.94	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.85	0.81	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.77	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.78	0.75	0.73	0.77	0.75	0.72	0.71
7	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.68
8	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.68	0.65	0.62	0.61





Luminaire Lumens:

FL=1274.88,FM=173.96,FH=13.1,FVH=1.56

BL=1425.27,BM=203.58,BH=14.33,BVH=1.7

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	11017.63	10674.97	10443.17	10016.94	9513.29	8978.41	8385.03	7751.55	7106.92
45.0	11297.05	10996.18	10600.59	10143.72	9625.56	9079.54	8488.95	7842.64	7435.91
90.0	10989.77	10757.44	10313.39	9819.73	9261.46	8656.36	8023.98	7351.50	6685.69
135.0	11341.62	11230.19	11001.75	10667.45	10216.15	9709.13	9146.40	8566.95	7981.93
180.0	11017.63	11017.63	11308.19	11274.76	11135.47	10856.89	10472.45	9971.00	9441.70
225.0	11297.05	11469.77	11514.34	11759.49	11039.33	10880.02	10429.82	9899.41	9297.68
270.0	10989.77	10989.77	11447.48	11503.20	11425.20	11252.47	10940.46	10500.31	9998.86
315.0	11341.62	11101.20	11101.20	10853.26	10614.26	9976.84	9667.08	9133.31	8568.37
360.0	11017.63	10674.97	10443.17	10016.94	9513.29	8978.41	8385.03	7751.55	7106.92

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6438.85	5794.23	5174.09	4596.91	4069.81	3591.75	3183.34	2834.59	2525.89
45.0	6733.89	6054.15	5435.70	4822.82	4271.23	3780.93	3335.20	2934.04	2789.18
90.0	6029.34	5387.50	4775.72	4216.88	3721.00	3279.74	2881.37	2559.90	2295.25
135.0	7352.34	6694.89	6065.29	5675.28	5090.26	4276.80	3964.79	3502.34	3073.33
180.0	8862.25	8266.08	7664.35	7006.90	6355.02	5725.42	5106.97	4633.38	3992.65
225.0	8663.09	8261.35	7614.47	6681.22	6283.43	5655.51	5049.84	4478.22	3930.52
270.0	9436.13	8839.96	8215.94	7580.77	6906.61	6260.30	5625.13	5028.97	4438.38
315.0	7971.05	7324.74	6693.47	6047.16	5428.18	4842.58	4288.21	3785.08	3337.14
360.0	6438.85	5794.23	5174.09	4596.91	4069.81	3591.75	3183.34	2834.59	2525.89

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2323.68	2072.38	1892.99	1775.98	1634.43	1502.39	1375.93	1091.25	1066.86
45.0	2537.03	2099.14	1936.98	1748.12	1607.15	1500.19	1348.65	1252.77	1135.77
90.0	2080.74	1929.20	1740.29	1625.55	1497.40	1346.97	1086.52	1061.82	1013.77
135.0	2844.89	2844.89	2194.38	1984.34	1814.40	1660.08	1524.68	1391.54	1263.39
180.0	3502.34	3162.48	2800.32	2800.32	2254.04	2040.63	1861.76	1709.12	1573.72
225.0	3444.68	3008.99	2639.01	2332.04	2089.67	1890.20	1716.90	1566.47	1426.65
270.0	4009.36	3519.06	3012.04	2867.18	2867.18	2209.46	2014.46	1843.95	1700.19
315.0	2944.92	2620.08	2350.38	2123.63	1939.77	1785.44	1642.79	1564.79	1389.28
360.0	2323.68	2072.38	1892.99	1775.98	1634.43	1502.39	1375.93	1091.25	1066.86

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1017.35	893.30	768.62	646.41	538.50	449.99	379.97	322.05	290.67
45.0	1017.66	902.34	782.55	665.55	560.26	468.33	393.64	332.93	280.53
90.0	891.72	770.30	653.77	546.76	457.08	385.07	349.38	277.27	234.53
135.0	1164.79	1015.45	919.06	798.69	679.48	570.83	478.32	403.10	343.50
180.0	1440.00	1315.22	1193.17	1070.07	950.28	829.33	757.48	642.68	500.61
225.0	1296.24	1069.70	1069.70	978.98	865.86	760.37	659.82	561.10	468.86
270.0	1568.15	1440.58	1319.63	1202.10	1088.99	973.67	904.02	735.19	664.44
315.0	1318.00	1066.28	1066.28	947.12	826.55	703.18	589.02	490.20	412.72
360.0	1017.35	893.30	768.62	646.41	538.50	449.99	379.97	322.05	290.67

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	245.47	193.01	173.30	145.13	121.89	102.60	86.99	75.27	66.33
45.0	280.53	241.58	166.78	139.71	126.31	107.33	91.98	79.37	70.28
90.0	212.35	166.89	150.75	126.83	107.07	90.93	78.11	68.54	61.29
135.0	291.14	291.14	207.67	173.93	145.44	121.73	102.29	86.20	78.00
180.0	451.04	382.50	325.10	285.57	285.57	187.96	157.69	131.88	110.59
225.0	392.64	333.51	284.78	243.36	207.57	176.19	148.86	126.57	108.80
270.0	555.80	434.32	392.54	331.83	289.46	289.46	189.01	157.85	131.83
315.0	347.96	292.56	245.73	205.10	171.04	142.60	128.20	108.07	85.47
360.0	245.47	193.01	173.30	145.13	121.89	102.60	86.99	75.27	66.33

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	59.61	54.40	50.62	47.73	45.05	42.21	39.58	37.90	36.06
45.0	63.60	58.34	54.24	51.04	47.73	44.57	41.84	39.42	37.37
90.0	55.56	50.99	47.36	44.21	41.31	38.69	36.58	34.85	33.06
135.0	67.39	56.98	53.61	48.94	45.26	42.21	39.63	37.32	35.22
180.0	92.93	78.69	68.02	60.24	54.30	49.46	46.99	43.15	41.52
225.0	94.03	80.79	74.38	63.81	60.34	55.19	50.99	47.57	44.99
270.0	110.64	93.46	79.95	69.70	61.87	58.08	50.78	47.20	45.20
315.0	77.74	67.65	59.76	53.98	49.46	45.99	42.94	40.16	37.79
360.0	59.61	54.40	50.62	47.73	45.05	42.21	39.58	37.90	36.06
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	34.01	31.91	30.28	28.86	27.12	25.44	23.44	21.71	20.66
45.0	35.16	33.06	31.12	29.44	27.54	26.02	23.50	22.29	20.92
90.0	31.06	29.07	27.60	26.49	24.18	22.02	20.87	19.76	18.50
135.0	33.59	32.12	30.28	28.38	27.02	26.18	24.81	23.13	21.55
180.0	39.21	36.85	35.01	33.59	32.06	30.28	28.91	27.60	26.28
225.0	42.63	39.95	37.42	35.27	33.32	31.22	29.17	27.28	25.55
270.0	42.26	39.53	37.27	35.43	33.75	32.01	29.96	28.28	27.02
315.0	35.80	33.96	32.43	30.85	29.12	27.86	26.39	25.39	22.86
360.0	34.01	31.91	30.28	28.86	27.12	25.44	23.44	21.71	20.66
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	19.34	17.61	16.24	15.19	14.03	12.62	11.30	10.41	9.57
45.0	19.13	17.77	16.29	15.19	14.09	12.88	11.51	10.57	9.67
90.0	16.98	15.40	14.45	13.51	12.35	11.09	10.14	9.36	8.62
135.0	20.39	19.19	17.92	16.66	15.30	14.51	13.56	12.25	11.04
180.0	24.60	22.71	21.34	20.18	18.87	17.29	15.87	14.72	13.77
225.0	23.76	21.97	21.24	19.45	18.03	17.14	15.19	14.51	13.40
270.0	25.39	23.44	21.60	20.39	19.13	17.82	16.24	15.03	14.40
315.0	22.02	20.97	19.82	18.55	17.03	15.98	14.98	13.98	12.72
360.0	19.34	17.61	16.24	15.19	14.03	12.62	11.30	10.41	9.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.73	7.88	7.15	6.57	5.94	5.41	4.89	4.57	3.89
45.0	8.94	8.20	7.52	6.89	6.25	5.78	5.20	4.68	4.36
90.0	7.83	7.10	6.57	5.94	5.41	4.89	4.31	3.84	3.36
135.0	10.20	9.36	8.62	7.78	7.10	6.57	5.94	5.41	4.84
180.0	12.98	11.14	10.51	9.62	8.57	8.09	7.31	6.68	5.99
225.0	12.14	11.04	10.04	9.25	8.46	7.73	6.99	6.41	5.89
270.0	12.98	11.72	11.04	10.14	9.36	8.62	7.83	7.10	6.57
315.0	11.67	10.83	9.93	9.25	8.52	7.83	7.25	6.62	6.10
360.0	8.73	7.88	7.15	6.57	5.94	5.41	4.89	4.57	3.89
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.10	2.84	2.42	2.16	1.84	1.58	1.26	1.21
45.0	3.63	3.15	2.79	2.37	1.94	1.68	1.37	1.16	1.21
90.0	3.10	2.68	2.26	2.00	1.73	1.42	1.26	1.21	1.21
135.0	4.31	3.89	3.42	2.94	2.63	2.26	1.94	1.58	1.26
180.0	5.47	4.73	4.26	3.68	3.31	2.84	2.42	2.10	1.73
225.0	5.47	4.89	4.31	3.78	3.31	3.00	2.52	2.10	1.79
270.0	5.99	5.26	4.89	4.26	3.84	3.26	2.89	2.42	2.16
315.0	5.62	5.15	4.63	4.05	3.78	3.42	3.05	2.73	2.37
360.0	3.42	3.10	2.84	2.42	2.16	1.84	1.58	1.26	1.21

Intensity data(cd)

C/γ(°)	90.0
0.0	1.21
45.0	1.21
90.0	1.26
135.0	1.16
180.0	1.47
225.0	1.68
270.0	1.84
315.0	2.26
360.0	1.21