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Nata

Client:

LumCAT: 2-2518-L

Luminaire: 92.70.411.00

Report No: 2024831-B012

Ballast type: AC

Test No: 2024831-C012

Voltage(V): 36.440

LampCAT: LUMILEDS LUXEON CoB 1205 Current(A): 0.598

Lamp flux(lm): 2551.0 Power (W): 21.790

Number of Lamps: 1 PF: 0.000

Length(mm): 0 Width(mm): 0

Phm Type: C Height(mm): 0

Photometric Results

Lumens(lm): 2365.64, Efficiency(%): 92.73% , Luminous Efficacy(lm/W): 108.57

Central intensity(cd): 13773.630, Maximum intensity(cd): 13773.630

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=17.4

[C90/270]Total=17.4

Field angle(10%Imax): [C0/180]Total=43.8

[C90/270]Total=43.8

Maximum s/h(1/2): C0_180=0.30 C90_270=0.30

Maximum s/h(1/4): C0_180=0.32 C90_270=0.32

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.73%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.163%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/31
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	13773.635	0.000	0	0.00%	0.00%
1.0	13628.773	13.112	13.112	0.51%	0.55%
2.0	12913.233	38.096	51.207	1.49%	2.16%
3.0	12427.772	60.607	111.815	2.38%	4.73%
4.0	11699.631	80.762	192.577	3.17%	8.14%
5.0	10739.813	96.533	289.11	3.78%	12.22%
6.0	9692.551	107.378	396.487	4.21%	16.76%
7.0	8649.554	113.849	510.337	4.46%	21.57%
8.0	7582.929	116.173	626.509	4.55%	26.48%
9.0	6521.889	114.312	740.821	4.48%	31.32%
10.0	5563.708	109.370	850.191	4.29%	35.94%
11.0	4782.563	103.381	953.572	4.05%	40.31%
12.0	4069.251	96.763	1050.335	3.79%	44.40%
13.0	3529.086	90.173	1140.508	3.53%	48.21%
14.0	3112.534	85.012	1225.52	3.33%	51.81%
15.0	2788.473	81.012	1306.532	3.18%	55.23%
16.0	2515.148	77.713	1384.245	3.05%	58.51%
17.0	2330.240	75.456	1459.7	2.96%	61.70%
18.0	2106.672	73.155	1532.856	2.87%	64.80%
19.0	1844.438	68.741	1601.597	2.69%	67.70%
20.0	1667.466	64.278	1665.874	2.52%	70.42%
21.0	1487.315	60.578	1726.453	2.37%	72.98%
22.0	1360.626	57.231	1783.683	2.24%	75.40%
23.0	1211.283	53.966	1837.649	2.12%	77.68%
24.0	1126.526	51.113	1888.762	2.00%	79.84%
25.0	1036.395	49.180	1937.942	1.93%	81.92%
26.0	945.409	46.781	1984.722	1.83%	83.90%
27.0	853.516	44.011	2028.734	1.73%	85.76%
28.0	768.897	41.076	2069.81	1.61%	87.49%
29.0	671.420	37.683	2107.492	1.48%	89.09%
30.0	575.980	33.680	2141.172	1.32%	90.51%
31.0	484.515	29.512	2170.684	1.16%	91.76%
32.0	396.702	25.246	2195.93	0.99%	92.83%
33.0	317.951	21.054	2216.984	0.83%	93.72%
34.0	245.237	17.044	2234.027	0.67%	94.44%
35.0	189.849	13.512	2247.54	0.53%	95.01%
36.0	166.577	11.349	2258.888	0.44%	95.49%
37.0	133.226	9.778	2268.666	0.38%	95.90%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	101.912	7.849	2276.515	0.31%	96.23%
39.0	92.024	6.620	2283.134	0.26%	96.51%
40.0	81.150	6.040	2289.174	0.24%	96.77%
41.0	72.425	5.469	2294.643	0.21%	97.00%
42.0	64.291	4.967	2299.61	0.19%	97.21%
43.0	57.234	4.502	2304.111	0.18%	97.40%
44.0	50.992	4.085	2308.196	0.16%	97.57%
45.0	45.966	3.726	2311.922	0.15%	97.73%
46.0	41.308	3.413	2315.336	0.13%	97.87%
47.0	37.707	3.143	2318.478	0.12%	98.01%
48.0	34.369	2.914	2321.392	0.11%	98.13%
49.0	31.419	2.702	2324.094	0.11%	98.24%
50.0	29.244	2.529	2326.623	0.10%	98.35%
51.0	26.965	2.378	2329.001	0.09%	98.45%
52.0	25.322	2.244	2331.245	0.09%	98.55%
53.0	23.765	2.135	2333.38	0.08%	98.64%
54.0	22.319	2.031	2335.411	0.08%	98.72%
55.0	20.986	1.933	2337.344	0.08%	98.80%
56.0	19.783	1.842	2339.186	0.07%	98.88%
57.0	18.831	1.766	2340.952	0.07%	98.96%
58.0	17.865	1.697	2342.649	0.07%	99.03%
59.0	16.965	1.628	2344.277	0.06%	99.10%
60.0	16.176	1.566	2345.843	0.06%	99.16%
61.0	15.421	1.508	2347.351	0.06%	99.23%
62.0	14.612	1.447	2348.798	0.06%	99.29%
63.0	13.817	1.383	2350.18	0.05%	99.35%
64.0	13.003	1.316	2351.496	0.05%	99.40%
65.0	12.208	1.248	2352.744	0.05%	99.45%
66.0	11.327	1.174	2353.918	0.05%	99.50%
67.0	10.407	1.093	2355.011	0.04%	99.55%
68.0	9.547	1.011	2356.022	0.04%	99.59%
69.0	8.785	0.935	2356.957	0.04%	99.63%
70.0	8.029	0.864	2357.821	0.03%	99.67%
71.0	7.378	0.796	2358.617	0.03%	99.70%
72.0	6.708	0.732	2359.349	0.03%	99.73%
73.0	6.216	0.676	2360.025	0.03%	99.76%
74.0	5.690	0.626	2360.651	0.02%	99.79%
75.0	5.230	0.577	2361.228	0.02%	99.81%

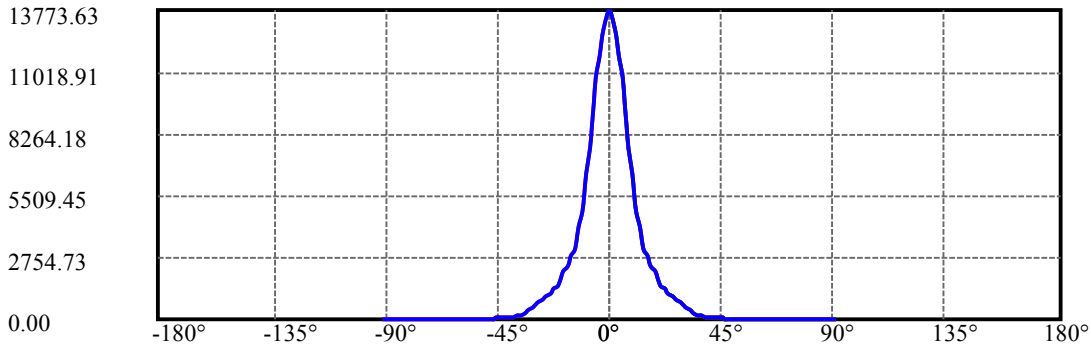
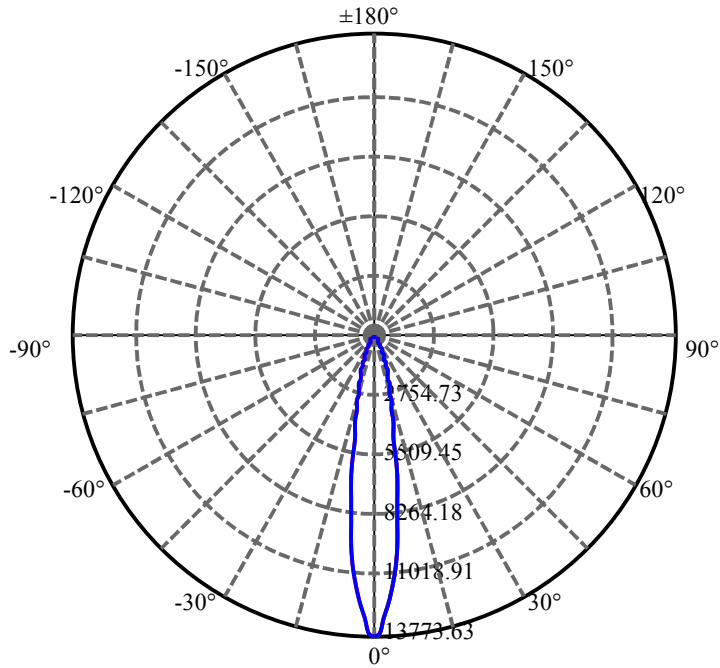
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.750	0.530	2361.758	0.02%	99.84%
77.0	4.389	0.487	2362.245	0.02%	99.86%
78.0	4.001	0.449	2362.694	0.02%	99.88%
79.0	3.647	0.411	2363.105	0.02%	99.89%
80.0	3.331	0.376	2363.481	0.01%	99.91%
81.0	2.989	0.342	2363.823	0.01%	99.92%
82.0	2.687	0.308	2364.131	0.01%	99.94%
83.0	2.424	0.278	2364.409	0.01%	99.95%
84.0	2.129	0.248	2364.657	0.01%	99.96%
85.0	1.892	0.219	2364.877	0.01%	99.97%
86.0	1.689	0.196	2365.072	0.01%	99.98%
87.0	1.459	0.172	2365.244	0.01%	99.98%
88.0	1.248	0.148	2365.393	0.01%	99.99%
89.0	1.124	0.130	2365.523	0.01%	100.00%
90.0	0.992	0.116	2365.639	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2141.17	83.93%	90.51%
0-40	2289.17	89.74%	96.77%
0-60	2345.84	91.96%	99.16%
0-90	2365.52	92.73%	100.00%
0-120	2365.52	92.73%	100.00%
0-180	2365.64	92.73%	100.00%
60-90	19.68	0.77%	0.83%
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%
0-24.08	1892.51	74.19%	80.00%

ZONAL LUMEN SUMMARY

0-10	850.19
10-20	815.68
20-30	475.30
30-40	148.00
40-50	37.45
50-60	19.22
60-70	11.98
70-80	5.66
80-90	2.04
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: —————

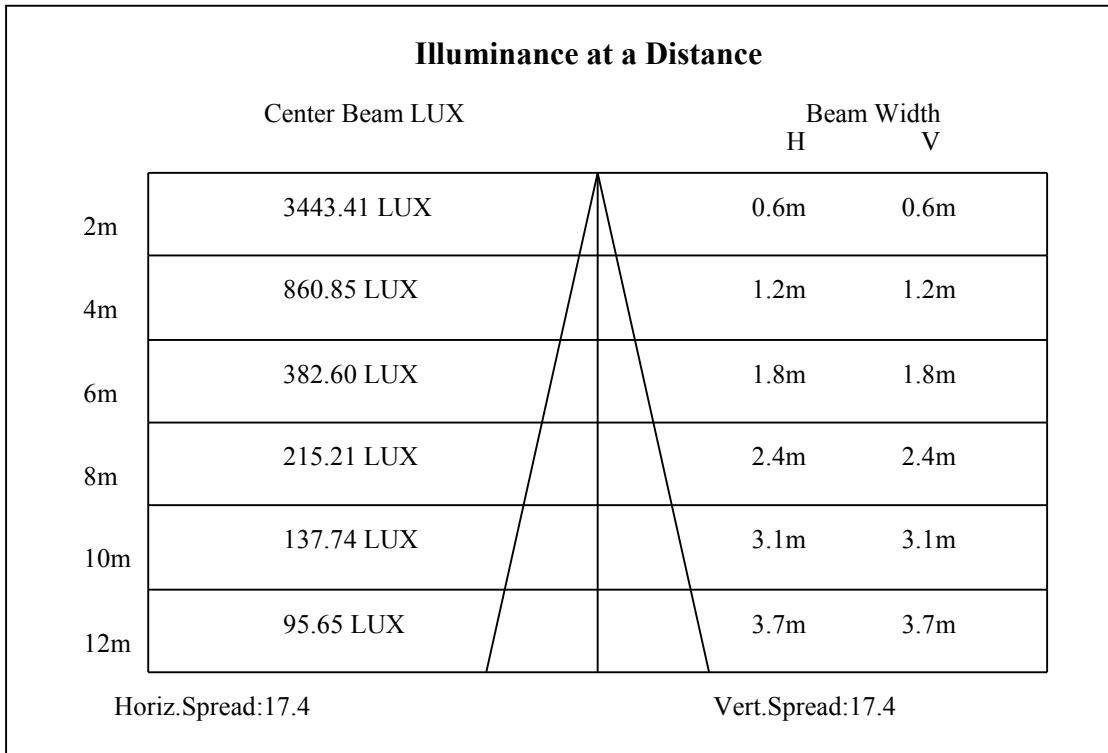
C90/C270: —————

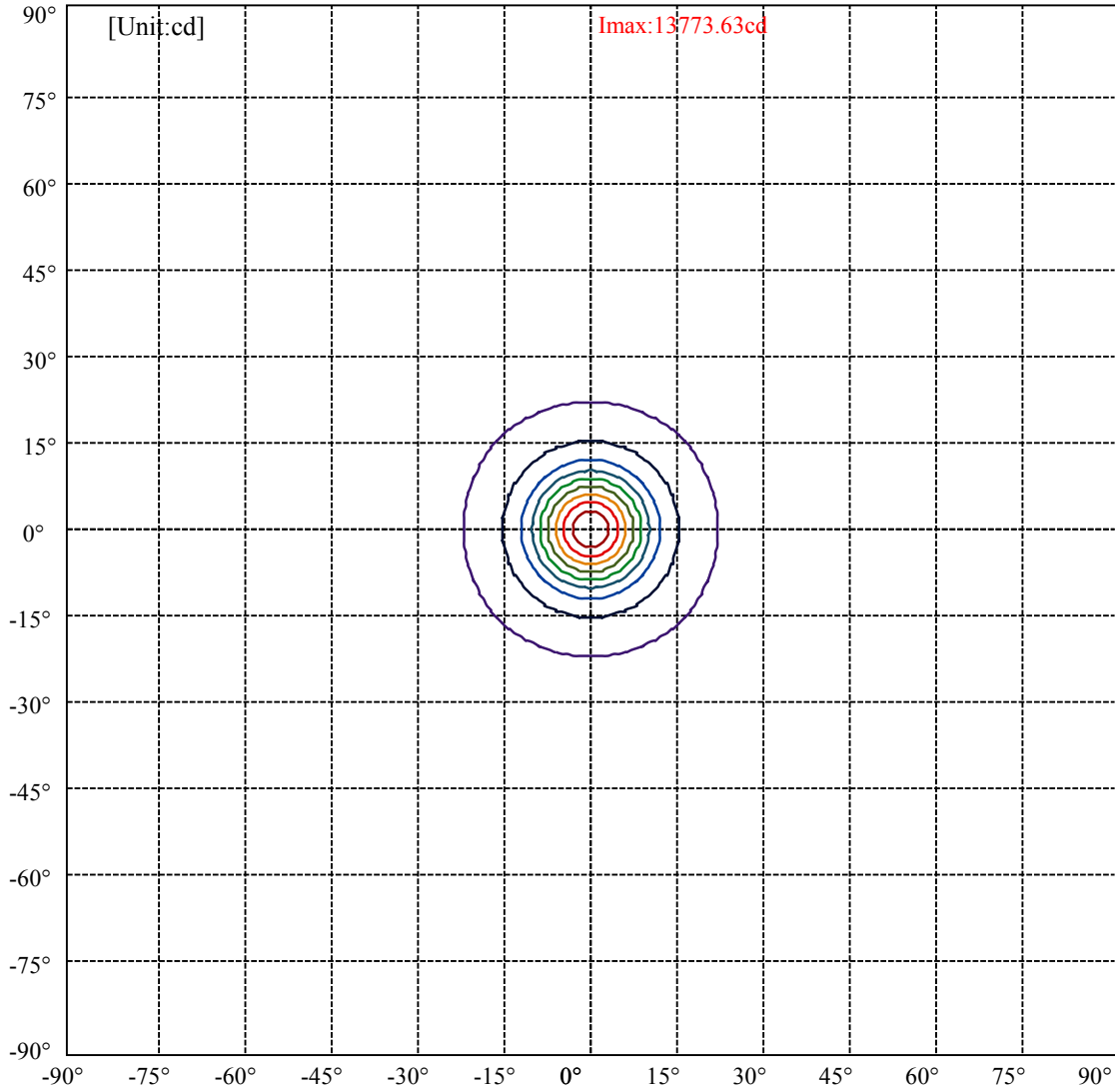
Field angle(10%Imax):C0/180Left:21.9 Right:21.9

:C90/270Left:21.9 Right:21.9

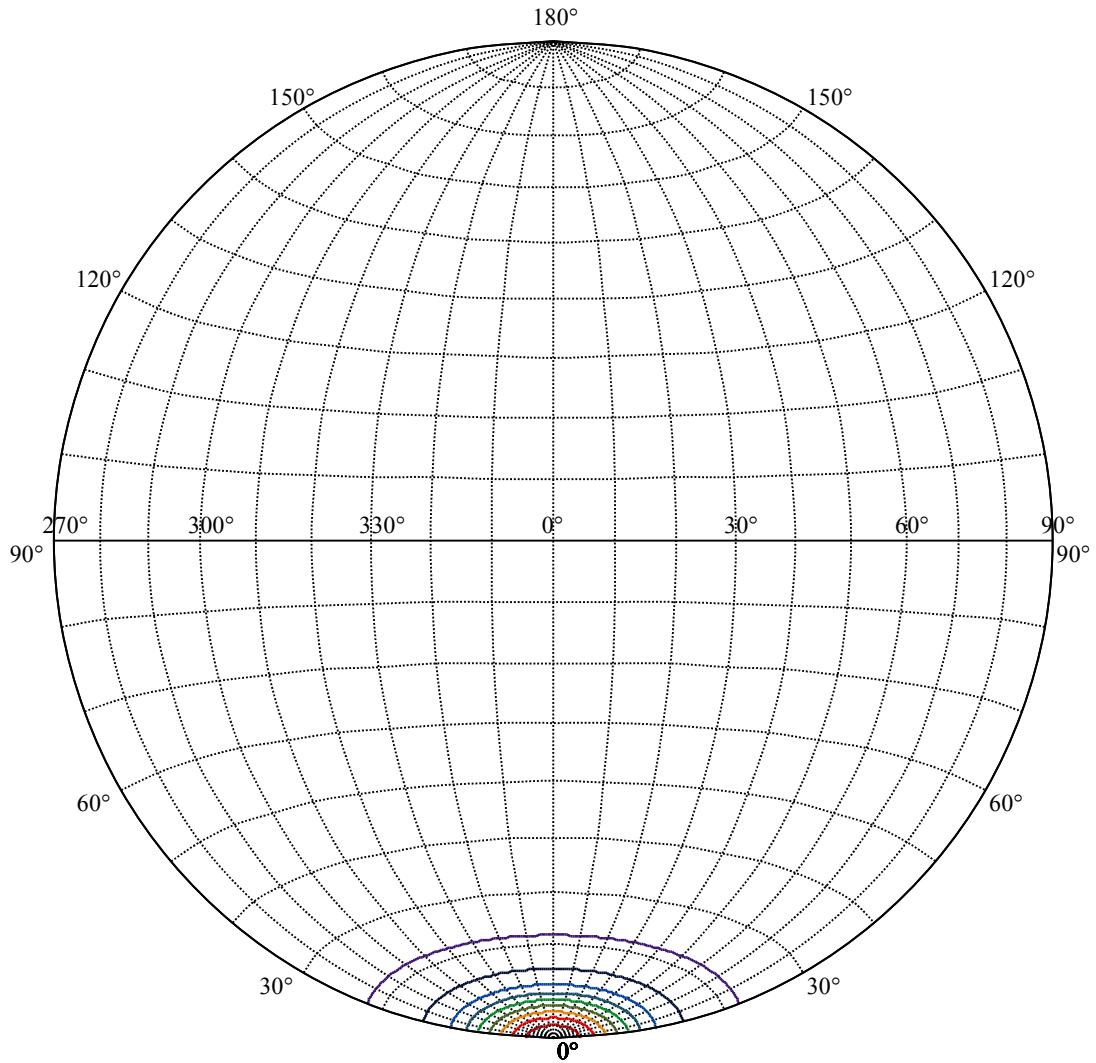
Beam Angle(50%Imax):C0/180Left:8.7 Right:8.7

:C90/270Left:8.7 Right:8.7





(10%Imax) 1377.36	—
(20%Imax) 2754.73	—
(30%Imax) 4132.09	—
(40%Imax) 5509.45	—
(50%Imax) 6886.82	—
(60%Imax) 8264.18	—
(70%Imax) 9641.54	—
(80%Imax) 11018.9	—
(90%Imax) 12396.3	—



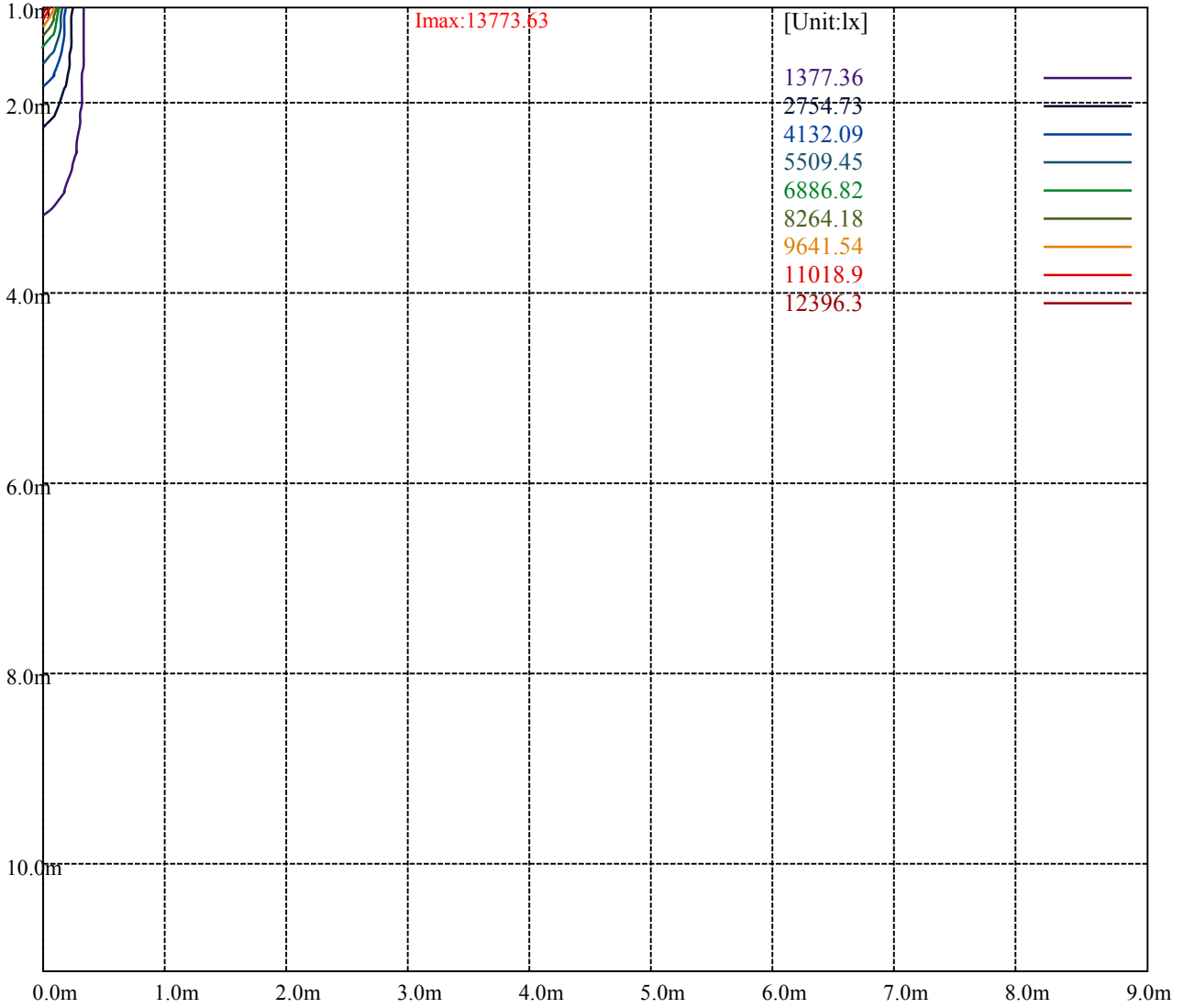
House

[Unit:cd]

Road

Imax:13773.63

(10%Imax) 1377.36	—
(20%Imax) 2754.73	—
(30%Imax) 4132.09	—
(40%Imax) 5509.45	—
(50%Imax) 6886.82	—
(60%Imax) 8264.18	—
(70%Imax) 9641.54	—
(80%Imax) 11018.9	—
(90%Imax) 12396.3	—



Luminance Table

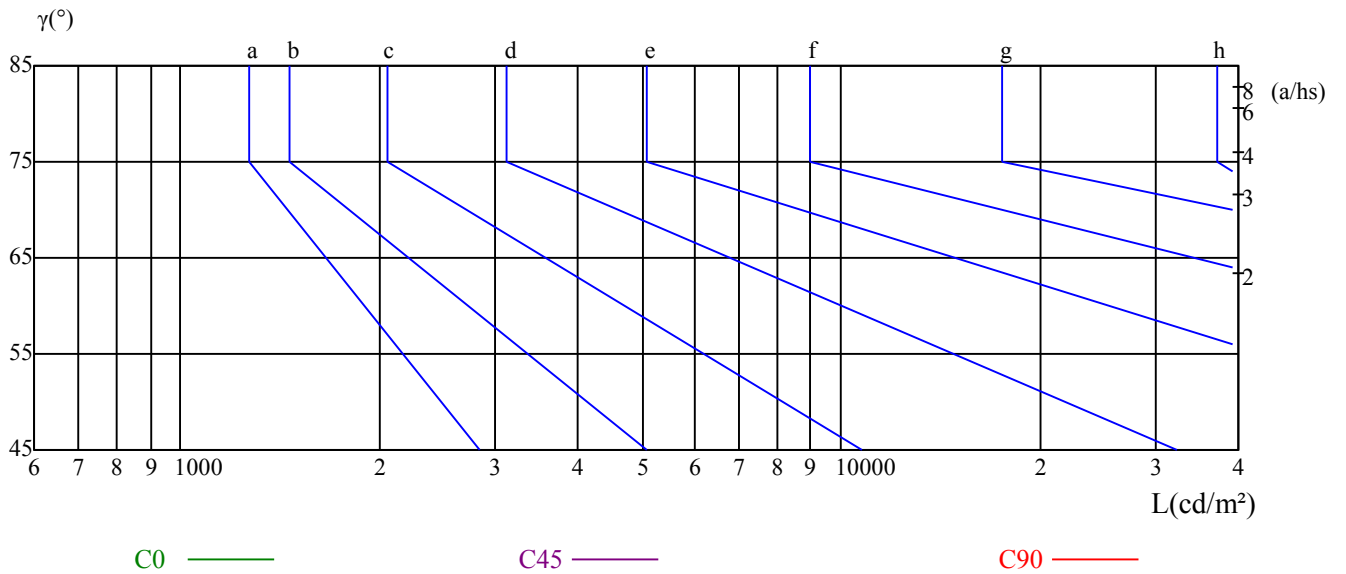
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

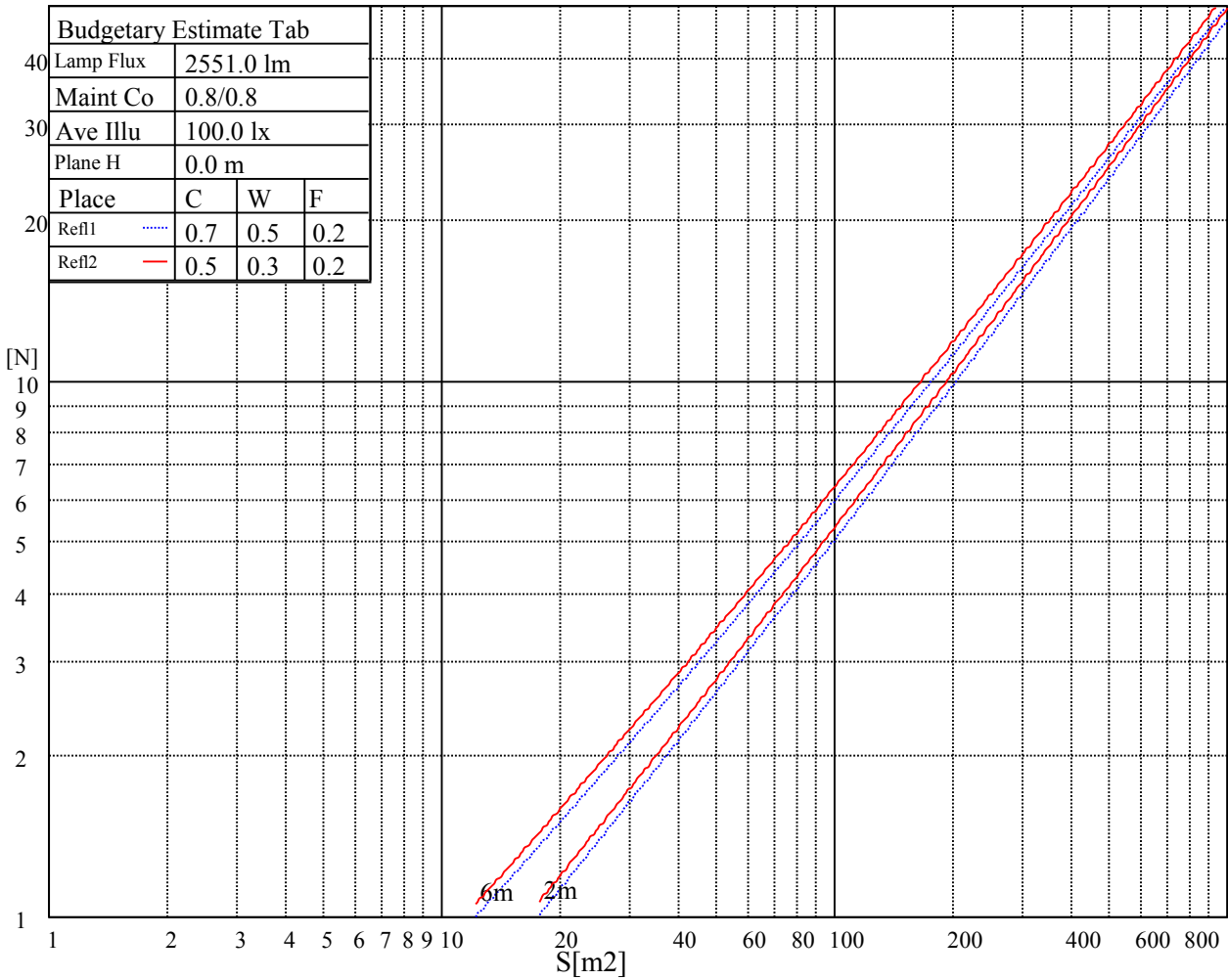
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

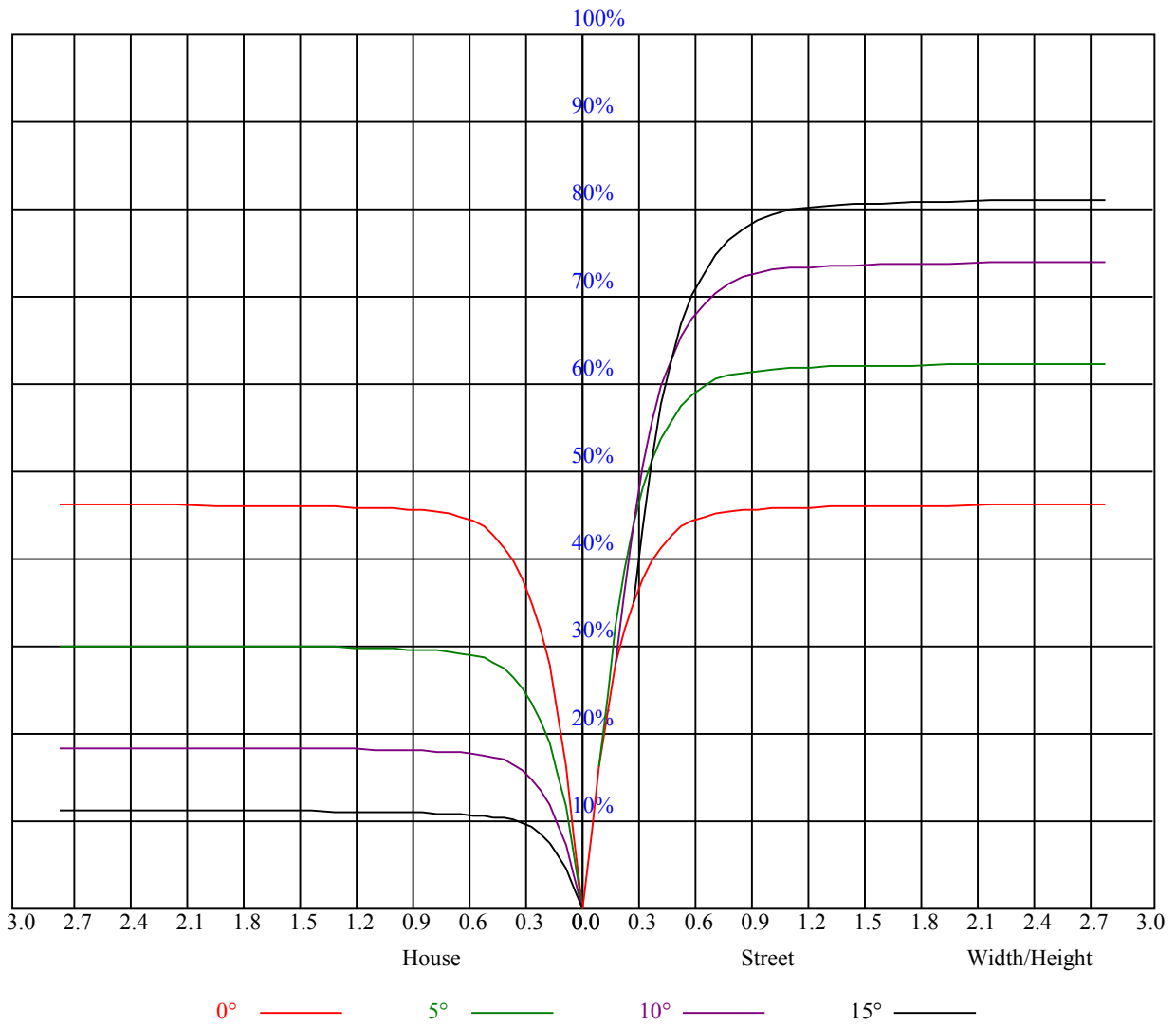


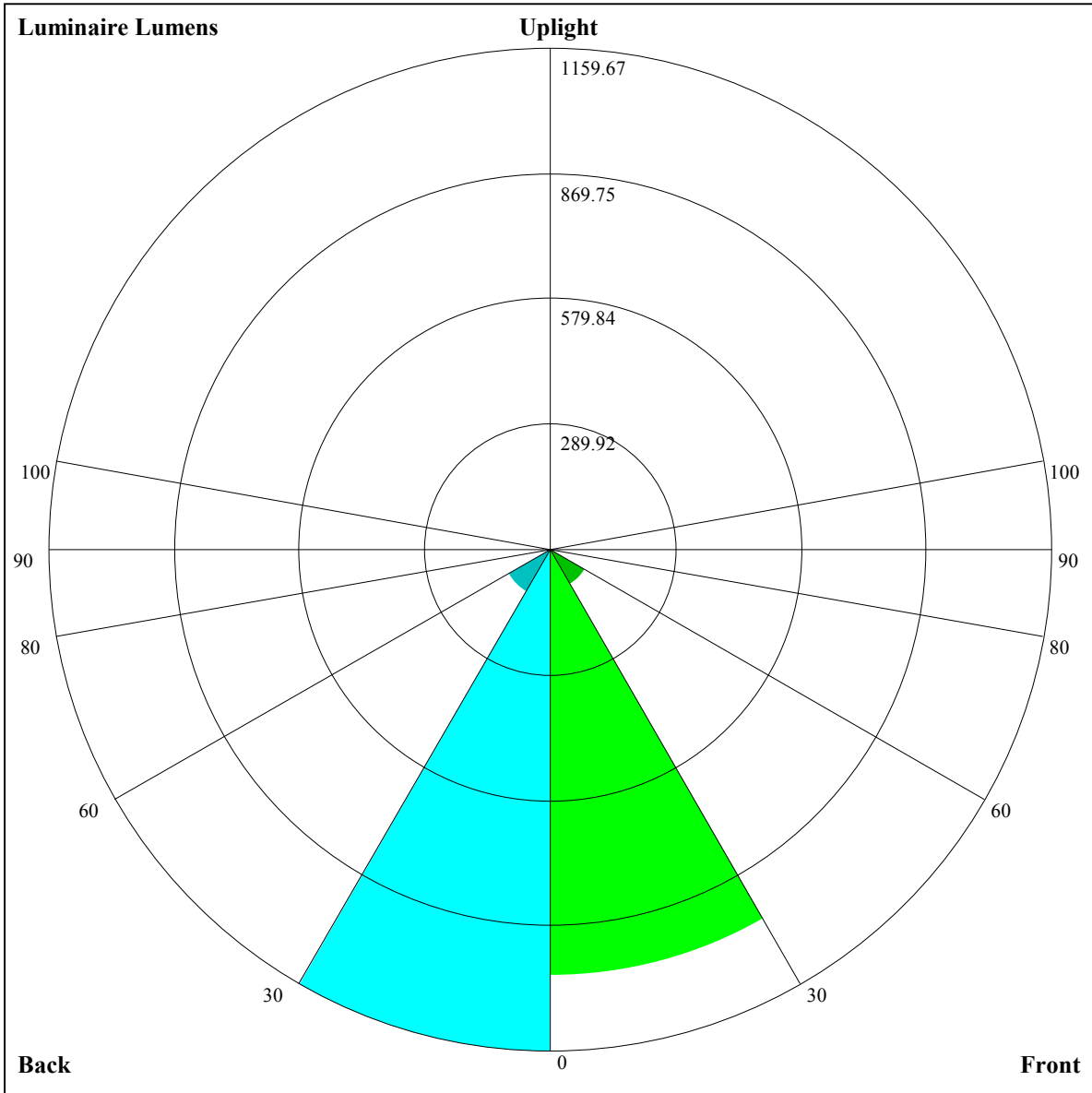
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.04	1.02	1.01	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.89
2	0.99	0.96	0.94	0.97	0.95	0.93	0.95	0.92	0.91	0.92	0.90	0.89	0.89	0.88	0.87	0.85
3	0.94	0.91	0.88	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.87	0.85	0.83	0.82
4	0.90	0.86	0.83	0.89	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
5	0.87	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.76
6	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.77	0.75	0.74
7	0.81	0.76	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
8	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
9	0.75	0.71	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.67
10	0.73	0.69	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65





Luminaire Lumens:

FL=985.32,FM=92.5,FH=8.2,FVH=1

BL=1159.67,BM=114.62,BH=9.46,BVH=1.17

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	13508.98	12884.96	10739.04	10739.04	9569.00	8344.35	7180.98	6090.63	5147.92
45.0	13949.14	13631.56	13046.54	12182.94	11107.61	9932.00	8706.24	7497.20	6377.30
90.0	13720.70	13213.69	11022.62	11022.62	10120.02	8885.38	7678.54	6538.62	5522.32
135.0	13915.71	13949.14	13798.71	13414.27	12678.81	11726.06	10634.02	9458.41	8254.94
180.0	13508.98	13876.71	13971.43	13876.71	13503.41	13113.40	11870.93	10751.03	10060.15
225.0	13949.14	14038.29	13893.43	13469.98	12829.24	10765.80	10765.80	10024.77	8810.68
270.0	13720.70	13926.85	13904.57	13637.13	13146.83	12734.53	11441.91	10745.46	9569.84
315.0	13915.71	13508.98	12929.53	11079.49	10642.12	10416.99	9261.99	8090.31	6920.27
360.0	13508.98	12884.96	10739.04	10739.04	9569.00	8344.35	7180.98	6090.63	5147.92
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4360.11	3755.59	3453.57	2905.34	2727.05	2460.71	2129.20	2016.67	1832.22
45.0	5396.70	4560.95	3909.07	3402.06	3078.90	2744.60	2744.60	2226.71	2016.09
90.0	4678.80	3984.03	3663.08	3212.88	2741.55	2569.36	2326.99	2105.23	1907.44
135.0	7057.04	5965.00	5040.11	4293.52	3686.21	3223.76	2872.75	2872.75	2750.18
180.0	8851.10	7642.06	6477.59	5463.56	4616.67	3953.65	3424.34	3028.76	2833.75
225.0	7596.12	6447.21	5418.72	4562.90	3906.55	3401.79	3000.06	2668.55	2408.36
270.0	8366.37	7207.48	6082.01	5090.26	4293.52	3708.49	3251.62	2895.04	2761.32
315.0	5868.87	4947.34	4216.35	3623.50	3182.24	2837.90	2558.22	2307.49	2132.57
360.0	4360.11	3755.59	3453.57	2905.34	2727.05	2460.71	2129.20	2016.67	1832.22
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1672.33	1521.37	1372.04	1099.19	1065.60	1050.72	975.09	891.20	796.69
45.0	1830.02	1651.15	1489.04	1336.35	1201.00	1094.56	1001.53	926.31	842.73
90.0	1733.62	1562.00	1406.57	1224.39	1092.46	1073.90	996.32	905.23	824.60
135.0	2147.02	1943.13	1760.37	1596.59	1442.79	1296.24	1164.79	1072.28	992.59
180.0	2833.75	2221.13	2003.84	1823.87	1689.62	1529.15	1344.71	1233.27	1114.64
225.0	2169.31	1953.17	1757.01	1589.33	1434.43	1107.91	1107.91	1063.87	982.76
270.0	2531.46	2139.82	1944.81	1775.98	1650.62	1463.39	1347.49	1207.68	1098.45
315.0	1935.88	1763.73	1606.05	1452.83	1308.49	1074.38	1074.38	991.33	910.80
360.0	1672.33	1521.37	1372.04	1099.19	1065.60	1050.72	975.09	891.20	796.69
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	699.71	618.29	494.30	393.38	320.58	236.37	170.04	133.09	116.27
45.0	752.48	657.19	560.26	502.29	409.25	321.21	321.21	167.25	134.72
90.0	700.97	621.45	520.84	402.37	329.72	244.26	179.13	140.34	122.63
135.0	902.92	809.30	709.54	607.62	505.07	407.57	315.64	282.79	213.98
180.0	1028.81	952.49	863.34	769.73	671.12	570.83	470.54	372.46	285.57
225.0	903.44	816.77	731.67	643.26	550.54	458.13	368.31	282.21	208.62
270.0	1018.77	946.91	859.45	759.69	661.08	563.58	467.18	371.93	281.10
315.0	821.03	728.78	631.96	529.51	428.75	371.67	251.56	211.83	155.90
360.0	699.71	618.29	494.30	393.38	320.58	236.37	170.04	133.09	116.27
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	104.07	92.77	82.00	72.64	64.60	57.61	51.56	46.26	41.37
45.0	118.37	105.34	92.98	82.31	72.59	64.34	57.08	50.93	45.68
90.0	108.75	96.14	84.68	73.85	64.60	57.14	50.41	44.94	40.05
135.0	139.34	120.16	107.33	96.03	85.73	75.90	67.39	59.97	53.40
180.0	285.57	212.25	127.15	118.16	105.49	93.88	83.52	74.01	65.81
225.0	172.56	123.89	108.65	100.97	84.94	78.79	69.33	61.50	54.51
270.0	281.10	208.25	117.69	108.07	96.14	84.89	75.48	66.75	59.13
315.0	122.84	107.02	94.82	84.15	75.11	66.86	59.55	53.51	47.99
360.0	104.07	92.77	82.00	72.64	64.60	57.61	51.56	46.26	41.37

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	37.27	34.22	31.54	28.96	26.86	24.91	22.97	22.02	20.66
45.0	42.79	36.43	33.27	31.22	27.12	25.86	23.71	21.81	20.29
90.0	35.85	32.59	30.85	26.86	24.70	23.65	21.45	20.55	19.34
135.0	48.36	43.99	39.89	36.58	33.75	31.01	28.65	27.49	24.91
180.0	58.87	53.25	48.52	44.10	40.00	37.00	34.38	31.64	29.59
225.0	48.30	43.31	39.32	35.69	32.85	30.49	27.86	25.97	24.65
270.0	52.77	47.10	42.16	38.27	35.32	32.80	30.59	28.80	27.81
315.0	43.52	39.58	36.11	33.27	30.75	28.23	26.12	24.28	22.86
360.0	37.27	34.22	31.54	28.96	26.86	24.91	22.97	22.02	20.66
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.50	18.24	17.29	16.45	15.61	14.82	14.14	13.51	12.62
45.0	19.08	17.87	16.77	15.93	15.24	14.56	13.82	13.30	12.62
90.0	18.19	17.14	16.35	15.72	14.98	14.30	13.56	12.93	12.30
135.0	23.71	22.13	20.13	19.40	18.13	17.19	16.40	15.66	14.98
180.0	27.70	25.65	24.02	22.76	21.60	20.39	19.34	18.76	17.82
225.0	23.23	21.92	20.87	19.66	18.50	17.66	17.08	15.98	15.19
270.0	26.18	24.91	23.86	22.92	21.97	20.66	19.76	18.71	17.56
315.0	20.97	20.03	18.98	17.82	16.87	16.14	15.30	14.51	13.82
360.0	19.50	18.24	17.29	16.45	15.61	14.82	14.14	13.51	12.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	11.72	10.88	9.93	9.04	8.36	7.73	7.04	6.73	5.99
45.0	11.98	11.20	10.51	10.04	8.94	8.30	7.88	6.94	6.62
90.0	11.46	10.72	9.93	9.04	8.41	7.67	6.99	6.47	6.10
135.0	14.30	13.61	12.83	11.93	11.09	10.14	9.36	8.57	7.73
180.0	16.93	15.98	15.24	14.40	13.35	12.46	11.56	10.51	9.67
225.0	14.40	13.77	13.19	12.04	11.20	10.04	9.25	8.46	7.73
270.0	16.66	15.72	14.82	13.88	12.56	11.41	10.30	9.41	8.57
315.0	13.09	12.14	11.20	10.25	9.36	8.62	7.88	7.15	6.62
360.0	11.72	10.88	9.93	9.04	8.36	7.73	7.04	6.73	5.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	5.57	5.26	4.89	4.57	4.15	3.78	3.42	3.10	2.84
45.0	6.10	5.68	5.20	4.89	4.52	4.15	3.78	3.42	3.10
90.0	5.31	5.10	4.68	4.31	3.99	3.68	3.26	2.94	2.73
135.0	7.04	6.62	5.73	5.47	4.94	4.57	4.21	3.84	3.47
180.0	8.83	7.99	7.25	6.47	5.78	5.26	4.84	4.47	4.05
225.0	7.10	6.52	5.99	5.47	5.05	4.68	4.26	3.94	3.63
270.0	7.62	6.99	6.47	5.83	5.26	4.84	4.47	4.05	3.73
315.0	6.10	5.57	5.31	4.84	4.31	4.15	3.78	3.42	3.10
360.0	5.57	5.26	4.89	4.57	4.15	3.78	3.42	3.10	2.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.47	2.26	1.94	1.73	1.47	1.31	1.10	0.89	0.89
45.0	2.79	2.47	2.10	1.84	1.52	1.31	1.10	0.95	0.95
90.0	2.42	2.10	1.94	1.68	1.52	1.37	1.16	0.95	0.89
135.0	3.15	2.79	2.52	2.26	2.05	1.84	1.58	1.42	1.21
180.0	3.68	3.31	3.05	2.73	2.31	2.10	1.84	1.58	1.42
225.0	3.26	2.94	2.73	2.31	2.16	1.89	1.68	1.42	1.26
270.0	3.42	3.15	2.79	2.47	2.26	2.00	1.79	1.52	1.31
315.0	2.73	2.47	2.31	2.00	1.84	1.68	1.42	1.26	1.05
360.0	2.47	2.26	1.94	1.73	1.47	1.31	1.10	0.89	0.89

Intensity data(cd)

C/γ(°)	90.0
0.0	0.89
45.0	0.89
90.0	0.89
135.0	0.89
180.0	1.16
225.0	1.16
270.0	1.21
315.0	0.84
360.0	0.89