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NT

Client:

LumCAT: 2-2686-L

Luminaire: 92.70.412.00

Report No: 2024320-B008

Ballast type: AC

Test No: 2024320-C008

Voltage(V): 35.160

LampCAT: Fortimo\_SLM\_C\_1205

Current(A): 0.451

Lamp flux(lm): 2717.0

Power (W): 15.857

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2289.84, Efficiency(%): 84.28% , Luminous Efficacy(lm/W): 144.41

Central intensity(cd): 12014.980, Maximum intensity(cd): 12014.980

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=18.6

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=46.4

[C90/270]Total=46.4

Maximum s/h(1/2): C0\_180=0.32 C90\_270=0.32

Maximum s/h(1/4): C0\_180=0.34 C90\_270=0.34

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 84.28%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.159%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/20  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	12014.976	0.000	0	0.00%	0.00%
1.0	11861.808	11.425	11.425	0.42%	0.50%
2.0	11744.032	33.881	45.306	1.25%	1.98%
3.0	11292.238	55.095	100.401	2.03%	4.38%
4.0	10680.239	73.549	173.95	2.71%	7.60%
5.0	9924.641	88.641	262.591	3.26%	11.47%
6.0	9062.677	99.783	362.375	3.67%	15.83%
7.0	8179.646	107.023	469.397	3.94%	20.50%
8.0	7197.565	110.052	579.449	4.05%	25.31%
9.0	6307.584	109.452	688.901	4.03%	30.09%
10.0	5425.504	106.180	795.081	3.91%	34.72%
11.0	4628.135	100.457	895.538	3.70%	39.11%
12.0	3980.803	94.108	989.646	3.46%	43.22%
13.0	3402.674	87.623	1077.269	3.23%	47.05%
14.0	2968.437	81.550	1158.819	3.00%	50.61%
15.0	2725.129	78.164	1236.982	2.88%	54.02%
16.0	2503.636	76.616	1313.599	2.82%	57.37%
17.0	2109.868	71.845	1385.443	2.64%	60.50%
18.0	1924.790	66.523	1451.966	2.45%	63.41%
19.0	1747.760	63.895	1515.861	2.35%	66.20%
20.0	1595.967	61.199	1577.06	2.25%	68.87%
21.0	1427.978	58.066	1635.126	2.14%	71.41%
22.0	1282.660	54.471	1689.598	2.00%	73.79%
23.0	1220.567	52.524	1742.122	1.93%	76.08%
24.0	1129.001	51.370	1793.492	1.89%	78.32%
25.0	1036.551	49.240	1842.732	1.81%	80.47%
26.0	946.492	46.810	1889.542	1.72%	82.52%
27.0	847.589	43.893	1933.435	1.62%	84.44%
28.0	752.314	40.506	1973.941	1.49%	86.20%
29.0	654.208	36.799	2010.739	1.35%	87.81%
30.0	563.681	32.883	2043.622	1.21%	89.25%
31.0	483.637	29.145	2072.767	1.07%	90.52%
32.0	408.348	25.554	2098.322	0.94%	91.64%
33.0	341.325	22.086	2120.407	0.81%	92.60%
34.0	284.610	18.943	2139.35	0.70%	93.43%
35.0	250.125	16.607	2155.957	0.61%	94.15%
36.0	202.371	14.408	2170.364	0.53%	94.78%
37.0	146.277	11.371	2181.735	0.42%	95.28%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	115.787	8.747	2190.483	0.32%	95.66%
39.0	92.049	7.094	2197.577	0.26%	95.97%
40.0	72.890	5.752	2203.329	0.21%	96.22%
41.0	57.528	4.644	2207.973	0.17%	96.42%
42.0	47.586	3.819	2211.792	0.14%	96.59%
43.0	39.788	3.237	2215.029	0.12%	96.73%
44.0	34.718	2.812	2217.841	0.10%	96.86%
45.0	31.075	2.529	2220.369	0.09%	96.97%
46.0	28.391	2.326	2222.695	0.09%	97.07%
47.0	26.116	2.168	2224.863	0.08%	97.16%
48.0	24.367	2.041	2226.904	0.08%	97.25%
49.0	22.875	1.940	2228.844	0.07%	97.34%
50.0	21.668	1.857	2230.701	0.07%	97.42%
51.0	20.644	1.790	2232.491	0.07%	97.50%
52.0	19.876	1.739	2234.23	0.06%	97.57%
53.0	19.225	1.701	2235.931	0.06%	97.65%
54.0	18.749	1.674	2237.604	0.06%	97.72%
55.0	18.420	1.659	2239.263	0.06%	97.79%
56.0	18.208	1.655	2240.919	0.06%	97.86%
57.0	18.127	1.661	2242.58	0.06%	97.94%
58.0	18.149	1.678	2244.257	0.06%	98.01%
59.0	18.266	1.702	2245.96	0.06%	98.08%
60.0	18.383	1.731	2247.691	0.06%	98.16%
61.0	18.493	1.760	2249.451	0.06%	98.24%
62.0	18.493	1.782	2251.233	0.07%	98.31%
63.0	18.318	1.790	2253.024	0.07%	98.39%
64.0	17.937	1.779	2254.803	0.07%	98.47%
65.0	17.381	1.748	2256.551	0.06%	98.55%
66.0	16.701	1.700	2258.251	0.06%	98.62%
67.0	15.977	1.643	2259.894	0.06%	98.69%
68.0	15.289	1.584	2261.478	0.06%	98.76%
69.0	14.748	1.532	2263.01	0.06%	98.83%
70.0	14.543	1.504	2264.515	0.06%	98.89%
71.0	14.360	1.494	2266.009	0.05%	98.96%
72.0	14.075	1.479	2267.487	0.05%	99.02%
73.0	13.804	1.458	2268.945	0.05%	99.09%
74.0	13.489	1.435	2270.38	0.05%	99.15%
75.0	13.292	1.415	2271.795	0.05%	99.21%

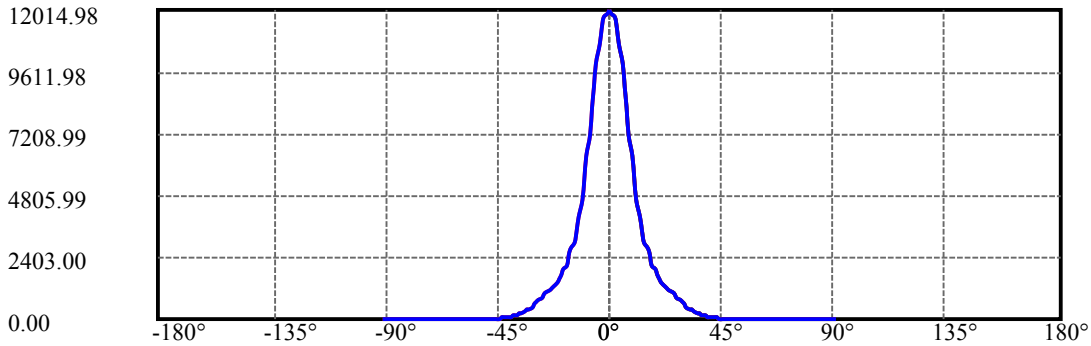
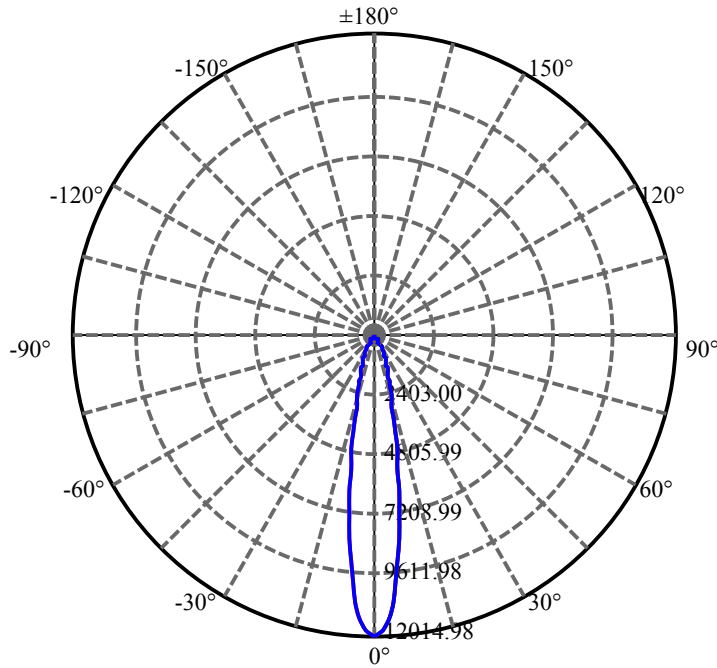
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.051	1.398	2273.193	0.05%	99.27%
77.0	12.699	1.373	2274.566	0.05%	99.33%
78.0	12.414	1.344	2275.91	0.05%	99.39%
79.0	12.070	1.316	2277.226	0.05%	99.45%
80.0	11.734	1.283	2278.509	0.05%	99.51%
81.0	11.353	1.249	2279.758	0.05%	99.56%
82.0	10.980	1.211	2280.969	0.04%	99.61%
83.0	10.710	1.179	2282.148	0.04%	99.66%
84.0	10.461	1.153	2283.301	0.04%	99.71%
85.0	10.271	1.131	2284.433	0.04%	99.76%
86.0	10.059	1.111	2285.544	0.04%	99.81%
87.0	9.890	1.092	2286.636	0.04%	99.86%
88.0	9.773	1.077	2287.713	0.04%	99.91%
89.0	9.678	1.066	2288.779	0.04%	99.95%
90.0	9.634	1.059	2289.838	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2043.62	75.22%	89.25%
0-40	2203.33	81.09%	96.22%
0-60	2247.69	82.73%	98.16%
0-90	2288.78	84.24%	99.95%
0-120	2288.78	84.24%	99.95%
0-180	2289.84	84.28%	100.00%
60-90	41.09	1.51%	1.79%
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%
0-24.78	1831.87	67.42%	80.00%

ZONAL LUMEN SUMMARY

0-10	795.08
10-20	781.98
20-30	466.56
30-40	159.71
40-50	27.37
50-60	16.99
60-70	16.82
70-80	13.99
80-90	10.27
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



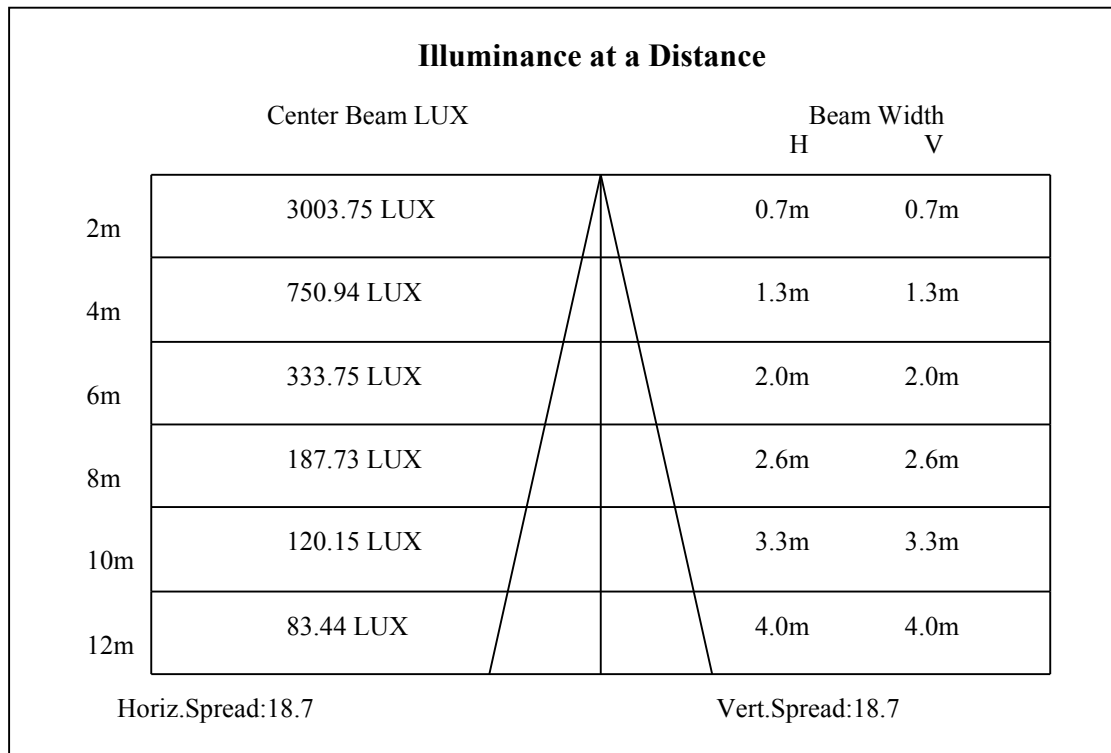
C0(Max): —————

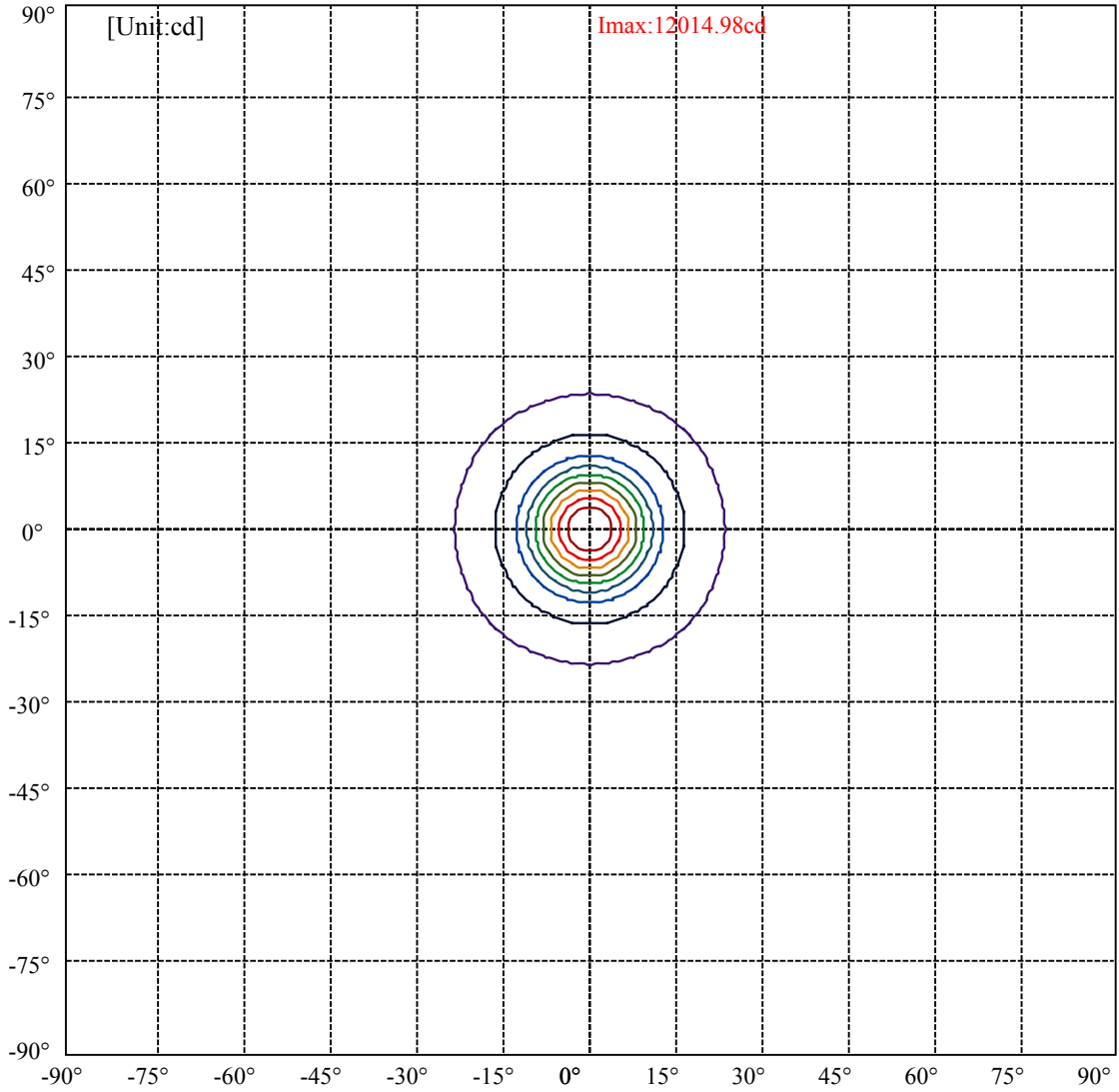
C0/C180: —————

C90/C270: —————

Field angle(10%Imax):C0/180Left:23.2 Right:23.2  
:C90/270Left:23.2 Right:23.2

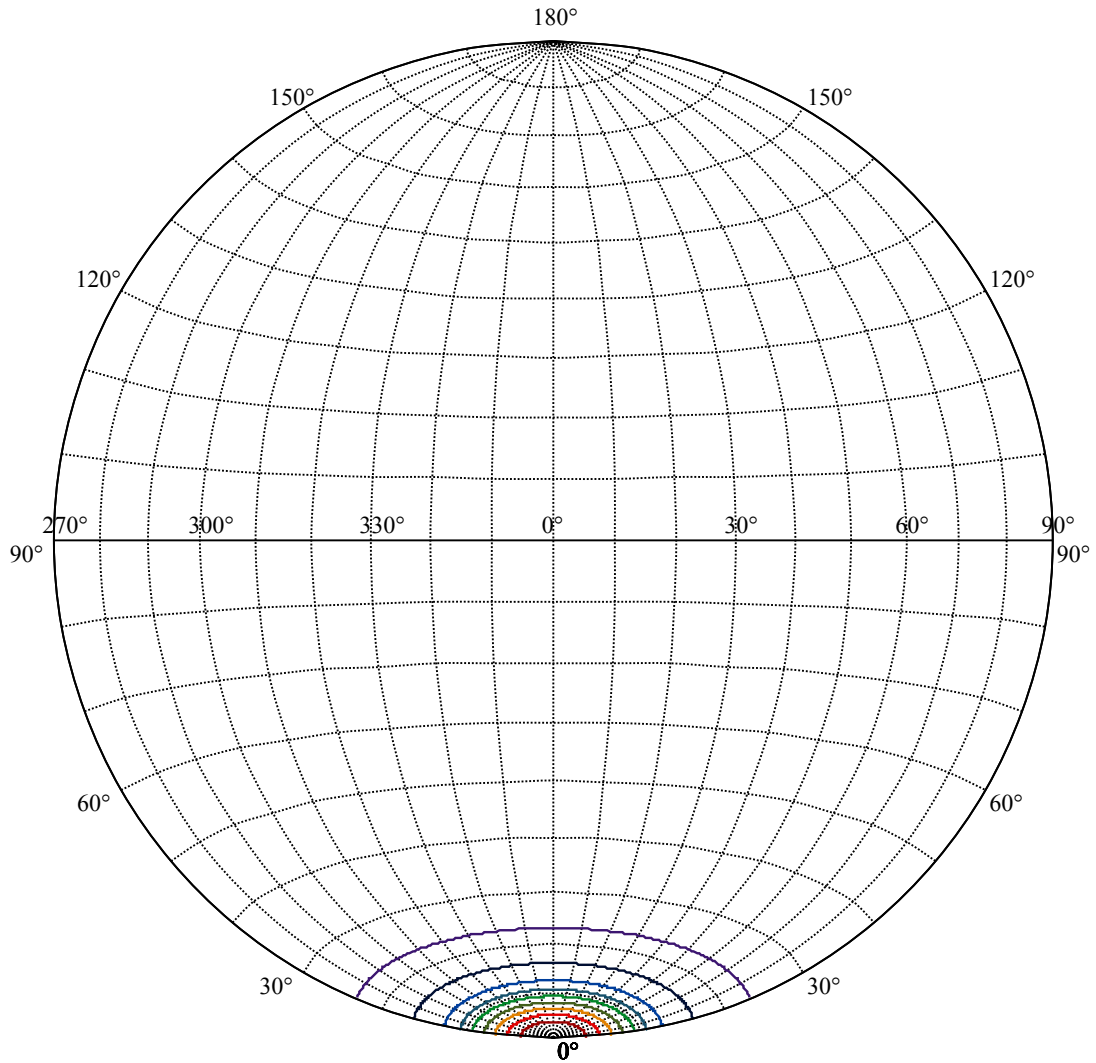
Beam Angle(50%Imax):C0/180Left:9.3 Right:9.3  
:C90/270Left:9.3 Right:9.3





(10%Imax) 1201.5	—
(20%Imax) 2403	—
(30%Imax) 3604.49	—
(40%Imax) 4805.99	—
(50%Imax) 6007.49	—
(60%Imax) 7208.99	—
(70%Imax) 8410.49	—
(80%Imax) 9611.98	—
(90%Imax) 10813.5	—





House

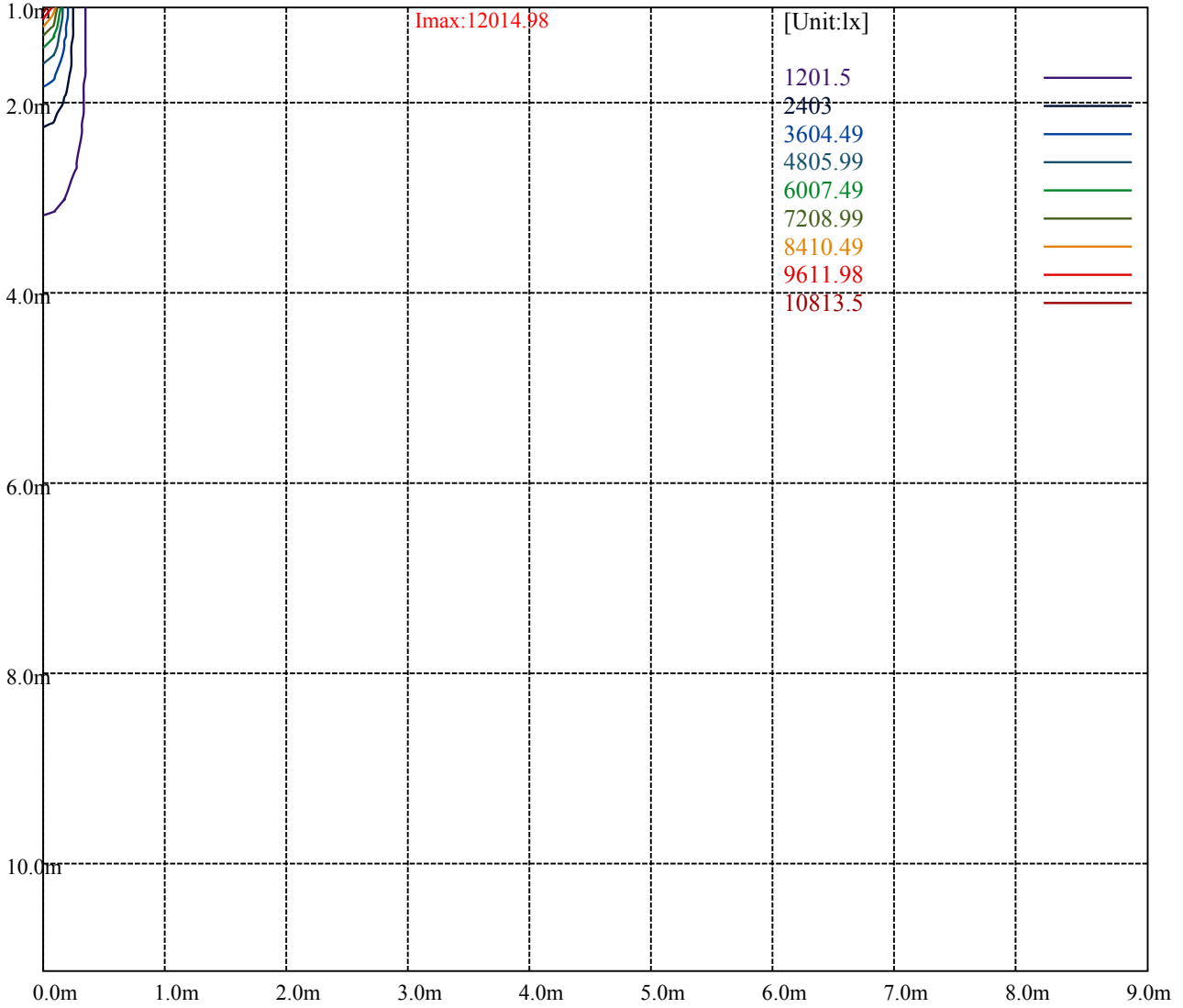
[Unit:cd]

Road

**Imax:12014.98**

(10%Imax)	1201.5	—
(20%Imax)	2403	—
(30%Imax)	3604.49	—
(40%Imax)	4805.99	—
(50%Imax)	6007.49	—
(60%Imax)	7208.99	—
(70%Imax)	8410.49	—
(80%Imax)	9611.98	—
(90%Imax)	10813.5	—





Luminance Table

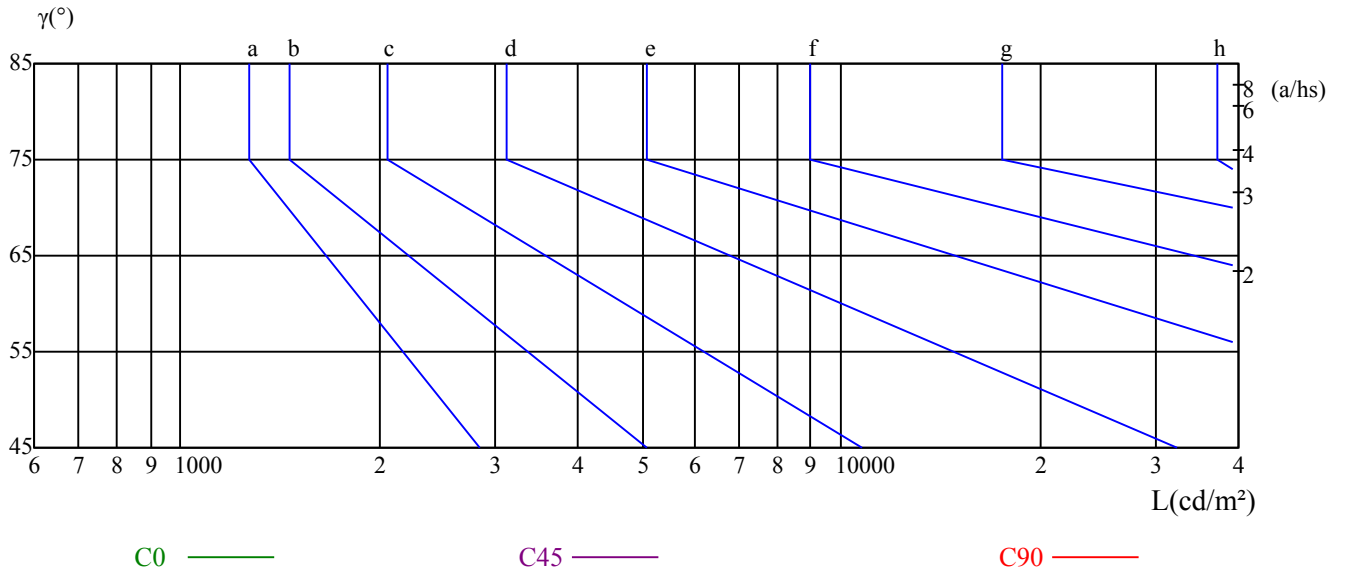
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

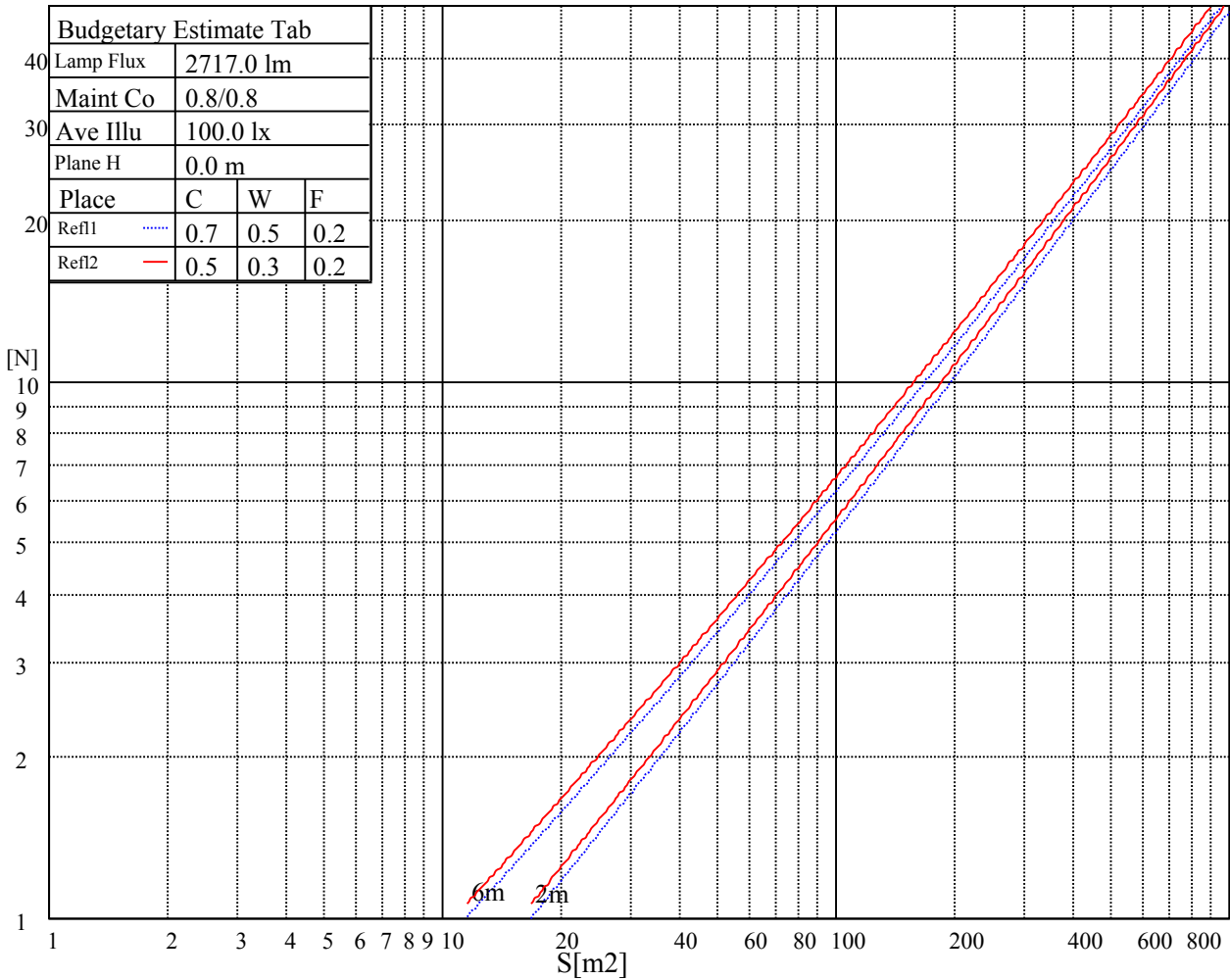
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

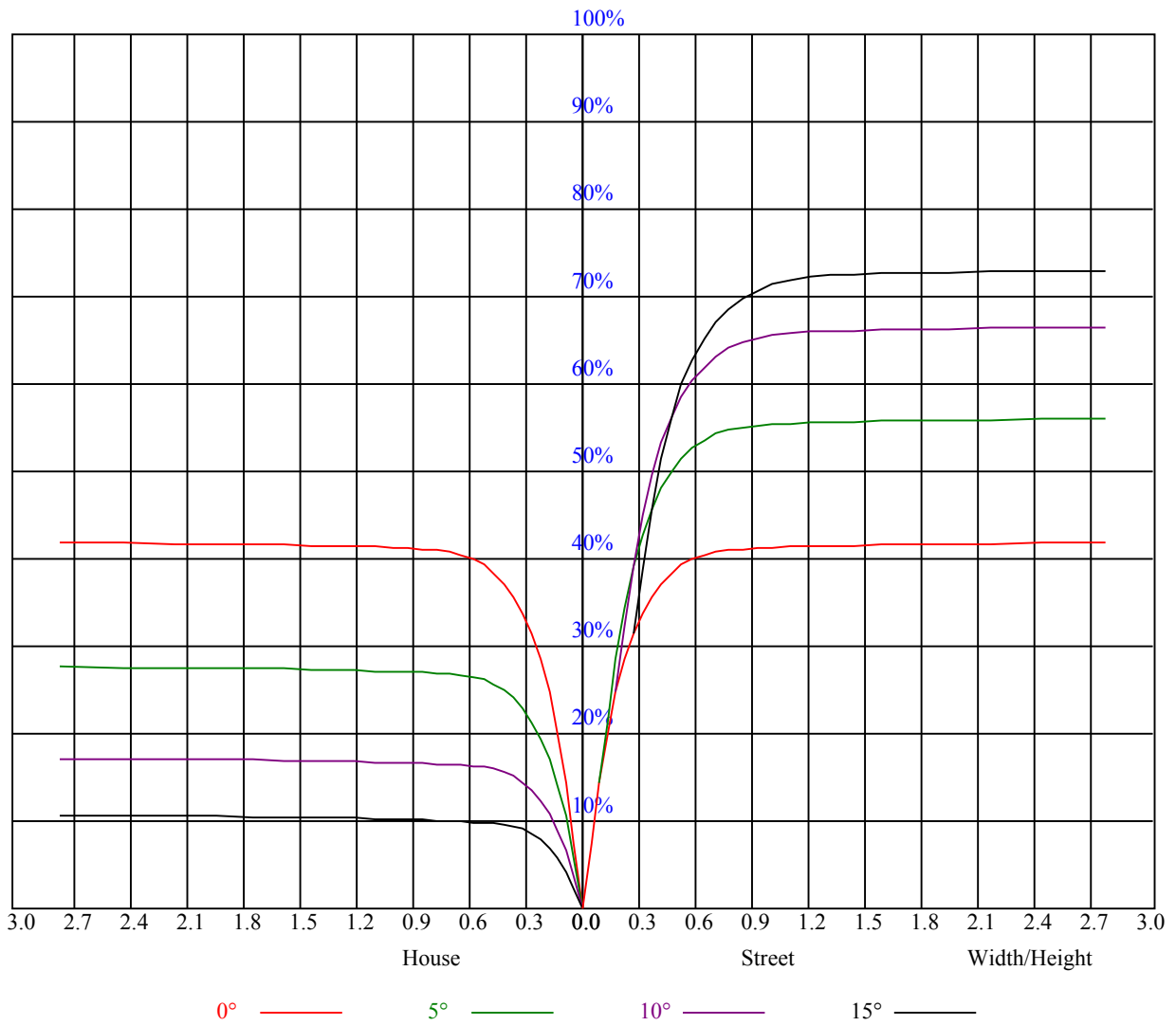


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
	3H	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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				

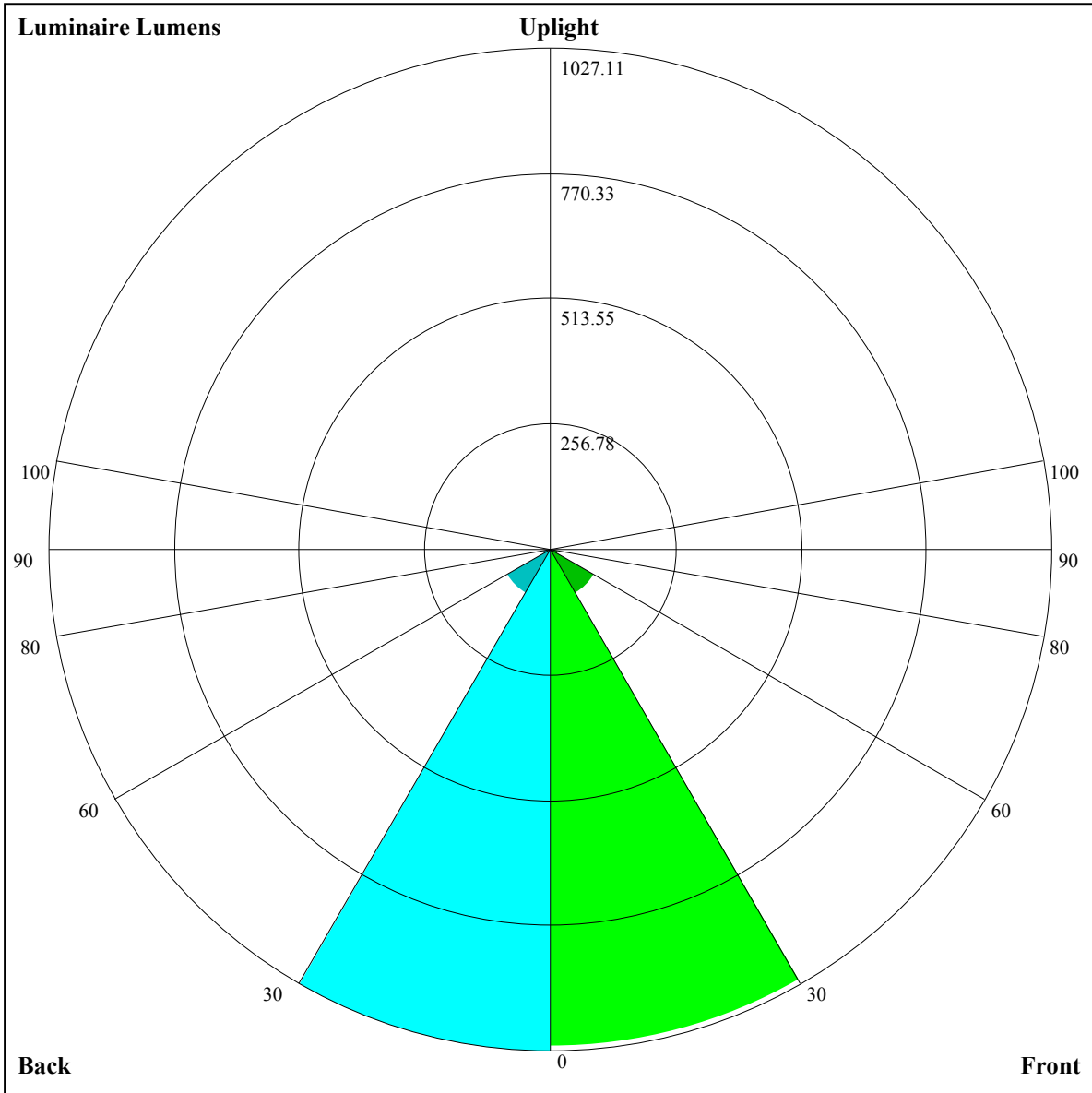
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	1.00	1.00	1.00	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.86	0.86	0.86	0.84
1	0.94	0.93	0.91	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83	0.82	0.80
2	0.89	0.87	0.84	0.88	0.86	0.83	0.85	0.83	0.82	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.79	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.74
4	0.81	0.78	0.75	0.81	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.76	0.74	0.72	0.71
5	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.68
6	0.75	0.71	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.70	0.67	0.71	0.69	0.67	0.66
7	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.60
10	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.58







Luminaire Lumens:

FL=1017.66,FM=102.79,FH=15.45,FVH=5.69

BL=1027.11,BM=104.34,BH=15.13,BVH=5.65

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	12135.23	11641.94	11641.94	11148.01	10539.96	9620.57	8808.87	7950.34	6868.26
45.0	11677.64	12141.08	12070.85	11731.42	11257.39	10496.60	9776.77	8975.01	7892.34
90.0	12129.37	11586.34	11586.34	11085.98	10470.32	9732.35	8716.40	7849.10	6987.06
135.0	12117.67	12105.96	11971.36	11643.64	11035.00	10420.52	9688.99	8881.37	7810.41
180.0	12135.23	12088.41	11889.43	11509.03	10847.73	10198.13	9261.77	8401.49	7535.36
225.0	11677.64	11677.64	11466.96	10788.10	10134.40	9371.27	8280.41	7366.29	6463.28
270.0	12129.37	12065.00	11842.61	11450.51	10789.21	10122.05	9390.52	8553.65	7459.28
315.0	12117.67	11588.10	11482.76	10981.22	10367.90	9435.64	8577.70	7459.92	6564.53
360.0	12135.23	11641.94	11641.94	11148.01	10539.96	9620.57	8808.87	7950.34	6868.26
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6023.19	5231.97	4359.40	3763.64	3284.34	2817.33	2520.04	2274.83	2027.86
45.0	7032.06	6189.34	5223.72	4521.45	3906.96	3391.96	2982.31	2982.31	2321.65
90.0	6144.92	5161.74	4458.89	3852.01	3243.38	2867.66	2559.25	2251.42	2051.27
135.0	6950.13	6107.41	5135.93	4439.52	3713.84	3251.51	3046.68	3046.68	2256.10
180.0	6440.99	5604.11	4831.62	4170.31	3491.45	3058.39	2958.90	2600.21	2161.29
225.0	5594.22	4647.92	4010.02	3476.30	2941.98	2610.16	2347.40	2089.31	1915.50
270.0	6575.59	5727.01	4925.25	4082.53	3538.27	3081.79	2988.16	2606.07	2156.03
315.0	5699.56	4734.53	4080.25	3540.67	3101.17	2668.68	2398.31	2178.27	1989.24
360.0	6023.19	5231.97	4359.40	3763.64	3284.34	2817.33	2520.04	2274.83	2027.86
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1862.24	1710.67	1571.97	1419.23	1160.03	1160.03	1114.91	1002.84	914.71
45.0	2112.72	1897.36	1745.78	1605.92	1448.49	1338.47	1214.99	1124.86	1035.91
90.0	1882.14	1693.11	1556.17	1433.86	1151.72	1151.72	1106.84	1019.46	931.97
135.0	2058.29	1892.09	1705.40	1570.80	1447.32	1339.64	1219.08	1130.13	1040.59
180.0	1976.95	1814.26	1629.91	1490.63	1381.19	1275.85	1158.22	1064.58	958.66
225.0	1757.49	1577.83	1449.08	1166.18	1166.18	1123.16	1037.14	950.76	861.16
270.0	1966.41	1762.76	1609.43	1452.59	1346.08	1237.22	1130.13	1035.91	953.98
315.0	1782.07	1634.01	1499.99	1284.63	1160.27	1138.44	1050.71	963.87	874.97
360.0	1862.24	1710.67	1571.97	1419.23	1160.03	1160.03	1114.91	1002.84	914.71
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	823.88	733.40	623.97	541.63	447.81	379.93	317.78	261.13	202.31
45.0	945.20	830.49	739.78	652.58	569.48	473.51	405.03	340.66	296.77
90.0	821.83	732.35	644.10	540.98	466.01	396.78	333.46	262.47	214.66
135.0	948.71	831.66	739.20	626.83	546.07	472.92	388.65	326.61	297.94
180.0	864.44	777.82	659.61	575.33	496.33	427.27	348.27	305.55	305.55
225.0	749.91	660.25	574.11	481.23	416.15	339.49	284.36	235.55	193.12
270.0	863.85	779.58	666.04	581.77	503.94	418.49	353.53	296.77	296.77
315.0	762.90	672.95	586.86	509.09	423.29	358.39	299.52	248.14	193.89
360.0	823.88	733.40	623.97	541.63	447.81	379.93	317.78	261.13	202.31
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	164.33	133.08	107.97	83.39	68.76	54.37	45.71	39.50	34.29
45.0	296.77	177.09	135.71	109.44	88.66	68.30	55.95	46.64	38.86
90.0	165.97	134.78	109.61	84.39	69.12	56.71	47.05	38.62	34.18
135.0	297.94	170.36	138.29	110.72	88.19	66.54	54.02	44.77	38.57
180.0	198.04	154.50	125.30	100.78	76.08	60.75	49.63	39.91	34.70
225.0	147.89	118.04	93.52	74.21	56.12	46.00	38.86	33.18	30.14
270.0	189.67	154.67	118.74	95.57	76.61	58.41	47.81	40.20	34.94
315.0	158.36	127.70	97.15	77.89	59.58	49.16	41.67	35.46	32.07
360.0	164.33	133.08	107.97	83.39	68.76	54.37	45.71	39.50	34.29

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	31.31	28.97	26.51	24.93	23.64	22.53	21.36	20.60	19.96
45.0	34.65	31.54	29.09	26.57	24.81	23.41	22.18	21.19	20.19
90.0	30.96	28.38	25.87	24.17	22.53	21.36	20.42	19.66	18.90
135.0	33.30	30.26	27.39	25.46	23.82	22.18	21.07	20.25	19.49
180.0	30.96	27.68	25.69	24.05	22.71	21.30	20.42	19.66	19.08
225.0	27.68	25.34	23.76	22.41	21.13	20.31	19.55	18.96	18.55
270.0	30.43	27.86	25.75	23.99	22.24	21.13	20.07	19.31	18.79
315.0	29.32	27.10	24.87	23.35	22.12	21.13	20.07	19.37	18.84
360.0	31.31	28.97	26.51	24.93	23.64	22.53	21.36	20.60	19.96
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.49	19.14	18.96	18.84	18.90	19.08	19.20	19.25	19.20
45.0	19.55	19.02	18.73	18.55	18.49	18.49	18.55	18.73	18.84
90.0	18.49	18.20	18.02	17.97	17.97	18.08	18.26	18.38	18.32
135.0	18.90	18.49	18.14	17.97	17.97	18.08	18.26	18.38	18.38
180.0	18.55	18.26	18.02	17.97	17.97	18.14	18.26	18.38	18.49
225.0	18.26	18.08	17.97	17.97	18.08	18.26	18.32	18.38	18.20
270.0	18.26	17.97	17.79	17.73	17.73	17.85	17.97	18.02	18.08
315.0	18.49	18.20	18.02	18.02	18.08	18.26	18.43	18.55	18.43
360.0	19.49	19.14	18.96	18.84	18.90	19.08	19.20	19.25	19.20
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	18.96	18.43	17.85	17.09	16.39	15.63	15.51	15.92	16.09
45.0	18.79	18.61	18.20	17.50	16.74	16.09	15.22	14.69	14.34
90.0	18.08	17.62	17.09	16.21	15.51	14.92	14.22	13.81	13.46
135.0	18.32	18.08	17.67	17.15	16.39	15.68	15.22	15.27	15.51
180.0	18.32	18.02	17.56	16.91	16.09	15.39	14.86	14.51	14.28
225.0	17.85	17.38	16.56	15.92	15.22	14.69	14.05	13.75	13.52
270.0	17.97	17.67	17.09	16.50	15.86	14.98	14.46	13.99	13.52
315.0	18.26	17.67	17.03	16.33	15.63	14.92	14.46	14.40	14.16
360.0	18.96	18.43	17.85	17.09	16.39	15.63	15.51	15.92	16.09
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.68	15.16	14.69	14.57	14.22	13.58	13.23	12.76	12.17
45.0	14.16	14.16	13.99	13.81	13.69	13.34	12.99	12.52	12.23
90.0	13.11	12.87	12.64	12.47	12.23	12.00	11.76	11.53	11.24
135.0	15.22	14.86	14.34	14.16	13.87	13.40	13.11	12.58	12.23
180.0	13.99	13.64	13.17	12.87	12.58	12.29	12.06	11.82	11.53
225.0	13.28	12.93	12.64	12.47	12.17	11.88	11.70	11.41	11.18
270.0	13.23	12.99	12.76	12.47	12.29	12.06	11.82	11.59	11.35
315.0	13.93	13.81	13.69	13.52	13.34	13.05	12.64	12.35	11.94
360.0	15.68	15.16	14.69	14.57	14.22	13.58	13.23	12.76	12.17
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	11.65	11.12	10.77	10.48	10.36	10.18	9.89	9.77	9.60
45.0	11.70	11.35	11.06	10.65	10.42	10.30	10.07	9.89	9.77
90.0	11.06	10.83	10.59	10.42	10.24	10.01	9.89	9.77	9.60
135.0	11.88	11.24	10.83	10.59	10.36	10.07	9.95	9.83	9.77
180.0	11.29	11.00	10.71	10.48	10.24	10.01	9.89	9.77	9.71
225.0	10.89	10.71	10.48	10.30	10.07	9.89	9.77	9.66	9.66
270.0	11.18	10.89	10.71	10.42	10.24	10.07	9.89	9.77	9.66
315.0	11.18	10.71	10.53	10.36	10.24	9.95	9.77	9.71	9.66
360.0	11.65	11.12	10.77	10.48	10.36	10.18	9.89	9.77	9.60

Intensity data(cd)

C/ $\gamma$ (°)	90.0
0.0	9.66
45.0	9.60
90.0	9.66
135.0	9.66
180.0	9.60
225.0	9.66
270.0	9.66
315.0	9.60
360.0	9.66