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NT

Client:

LumCAT: 2-2683-L

Luminaire: 92.70.412.00

Report No: 2024301-B014

Ballast type: AC

Test No: 2024301-C014

Voltage(V): 33.970

LampCAT: LUMINUS CXM-14-AC40

Current(A): 0.530

Lamp flux(lm): 2575.0

Power (W): 18.004

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

### Photometric Results

Lumens(lm): 2211.46, Efficiency(%): 85.88% , Luminous Efficacy(lm/W): 122.83

Central intensity(cd): 7360.141, Maximum intensity(cd): 7360.141

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

Beam Angle(50%Imax): [C0/180]Total=25.2

[C90/270]Total=25.2

Field angle(10%Imax): [C0/180]Total=60.0

[C90/270]Total=60.0

Maximum s/h(1/2): C0\_180=0.42 C90\_270=0.42

Maximum s/h(1/4): C0\_180=0.46 C90\_270=0.46

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.88%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 97.959%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/3/01  
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	7360.141	0.000	0	0.00%	0.00%
1.0	7335.269	7.031	7.031	0.27%	0.32%
2.0	7249.972	20.934	27.966	0.81%	1.26%
3.0	7093.717	34.305	62.271	1.33%	2.82%
4.0	6861.456	46.712	108.983	1.81%	4.93%
5.0	6598.836	57.905	166.889	2.25%	7.55%
6.0	6294.665	67.759	234.648	2.63%	10.61%
7.0	5910.099	75.755	310.402	2.94%	14.04%
8.0	5508.781	81.723	392.125	3.17%	17.73%
9.0	5107.317	86.038	478.163	3.34%	21.62%
10.0	4709.949	88.843	567.006	3.45%	25.64%
11.0	4276.663	89.795	656.8	3.49%	29.70%
12.0	3900.729	89.391	746.191	3.47%	33.74%
13.0	3551.789	88.443	834.634	3.43%	37.74%
14.0	3200.727	86.432	921.065	3.36%	41.65%
15.0	2894.362	83.676	1004.741	3.25%	45.43%
16.0	2599.555	80.501	1085.243	3.13%	49.07%
17.0	2348.054	77.048	1162.29	2.99%	52.56%
18.0	2106.210	73.441	1235.731	2.85%	55.88%
19.0	1909.867	69.872	1305.603	2.71%	59.04%
20.0	1717.621	66.393	1371.996	2.58%	62.04%
21.0	1532.419	62.407	1434.403	2.42%	64.86%
22.0	1383.743	58.602	1493.005	2.28%	67.51%
23.0	1265.564	55.590	1548.594	2.16%	70.03%
24.0	1192.389	53.740	1602.334	2.09%	72.46%
25.0	1111.116	52.377	1654.711	2.03%	74.82%
26.0	1039.469	50.765	1705.475	1.97%	77.12%
27.0	966.953	49.088	1754.563	1.91%	79.34%
28.0	898.269	47.223	1801.786	1.83%	81.48%
29.0	819.739	44.948	1846.734	1.75%	83.51%
30.0	733.338	41.933	1888.667	1.63%	85.40%
31.0	639.944	38.216	1926.884	1.48%	87.13%
32.0	552.328	34.157	1961.041	1.33%	88.68%
33.0	464.713	29.962	1991.003	1.16%	90.03%
34.0	380.864	25.590	2016.593	0.99%	91.19%
35.0	305.502	21.316	2037.909	0.83%	92.15%
36.0	250.959	17.718	2055.627	0.69%	92.95%
37.0	201.903	14.770	2070.397	0.57%	93.62%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	136.833	11.307	2081.703	0.44%	94.13%
39.0	90.929	7.774	2089.477	0.30%	94.48%
40.0	70.790	5.640	2095.117	0.22%	94.74%
41.0	61.953	4.727	2099.844	0.18%	94.95%
42.0	56.760	4.313	2104.157	0.17%	95.15%
43.0	52.992	4.066	2108.223	0.16%	95.33%
44.0	50.000	3.887	2112.11	0.15%	95.51%
45.0	47.871	3.761	2115.871	0.15%	95.68%
46.0	46.196	3.679	2119.55	0.14%	95.84%
47.0	44.828	3.620	2123.171	0.14%	96.01%
48.0	43.833	3.584	2126.755	0.14%	96.17%
49.0	42.817	3.558	2130.313	0.14%	96.33%
50.0	41.961	3.535	2133.848	0.14%	96.49%
51.0	41.090	3.514	2137.361	0.14%	96.65%
52.0	40.293	3.492	2140.854	0.14%	96.81%
53.0	39.261	3.461	2144.314	0.13%	96.96%
54.0	38.237	3.416	2147.73	0.13%	97.12%
55.0	36.979	3.358	2151.088	0.13%	97.27%
56.0	35.699	3.284	2154.372	0.13%	97.42%
57.0	34.111	3.192	2157.563	0.12%	97.56%
58.0	32.268	3.070	2160.633	0.12%	97.70%
59.0	30.322	2.926	2163.559	0.11%	97.83%
60.0	28.288	2.769	2166.328	0.11%	97.96%
61.0	26.021	2.592	2168.92	0.10%	98.08%
62.0	24.250	2.422	2171.342	0.09%	98.19%
63.0	22.626	2.280	2173.622	0.09%	98.29%
64.0	21.083	2.145	2175.767	0.08%	98.39%
65.0	19.656	2.016	2177.783	0.08%	98.48%
66.0	18.478	1.903	2179.686	0.07%	98.56%
67.0	17.235	1.796	2181.481	0.07%	98.64%
68.0	16.291	1.698	2183.18	0.07%	98.72%
69.0	15.523	1.623	2184.803	0.06%	98.79%
70.0	14.894	1.562	2186.365	0.06%	98.87%
71.0	14.389	1.514	2187.878	0.06%	98.93%
72.0	13.987	1.475	2189.354	0.06%	99.00%
73.0	13.628	1.444	2190.798	0.06%	99.07%
74.0	13.299	1.416	2192.214	0.05%	99.13%
75.0	12.992	1.389	2193.603	0.05%	99.19%

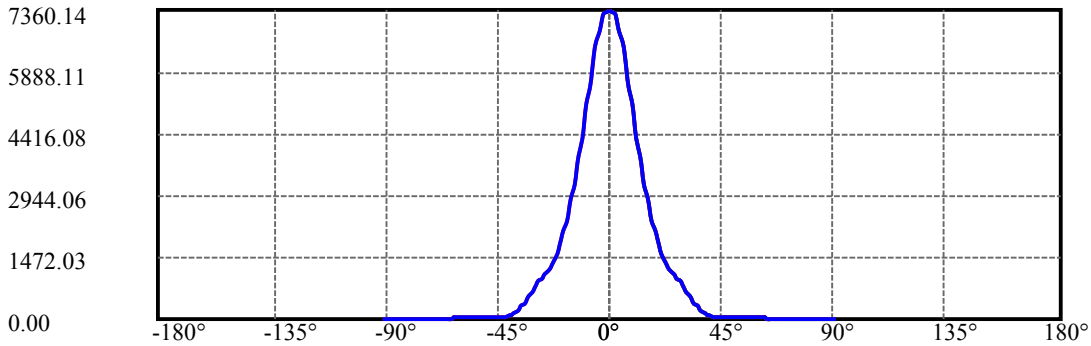
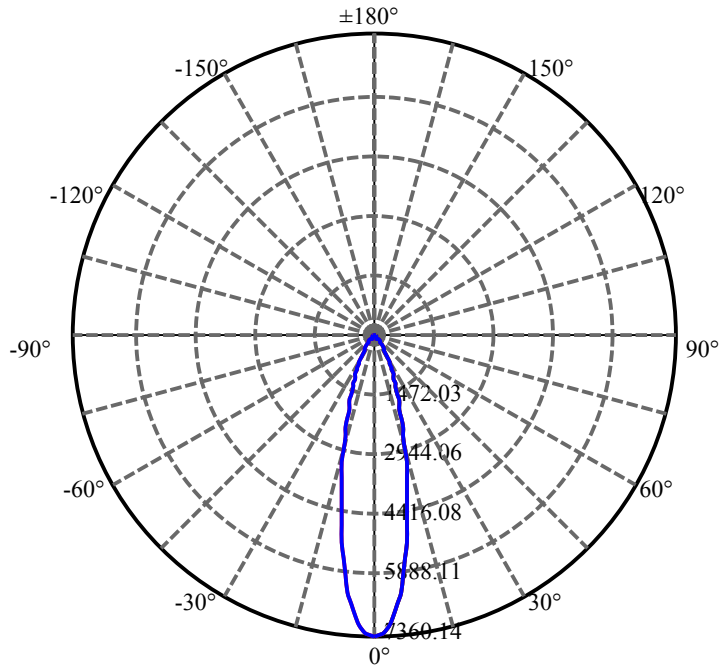
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.685	1.363	2194.966	0.05%	99.25%
77.0	12.399	1.337	2196.303	0.05%	99.31%
78.0	12.107	1.312	2197.615	0.05%	99.37%
79.0	11.792	1.284	2198.899	0.05%	99.43%
80.0	11.500	1.256	2200.155	0.05%	99.49%
81.0	11.229	1.229	2201.384	0.05%	99.54%
82.0	10.973	1.204	2202.588	0.05%	99.60%
83.0	10.702	1.178	2203.766	0.05%	99.65%
84.0	10.497	1.155	2204.921	0.04%	99.70%
85.0	10.285	1.134	2206.055	0.04%	99.76%
86.0	10.102	1.114	2207.17	0.04%	99.81%
87.0	9.912	1.095	2208.265	0.04%	99.86%
88.0	9.715	1.075	2209.34	0.04%	99.90%
89.0	9.642	1.061	2210.401	0.04%	99.95%
90.0	9.583	1.054	2211.455	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1888.67	73.35%	85.40%
0-40	2095.12	81.36%	94.74%
0-60	2166.33	84.13%	97.96%
0-90	2210.40	85.84%	99.95%
0-120	2210.40	85.84%	99.95%
0-180	2211.46	85.88%	100.00%
60-90	44.07	1.71%	1.99%
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%
0-27.31	1769.16	68.71%	80.00%

ZONAL LUMEN SUMMARY

0-10	567.01
10-20	804.99
20-30	516.67
30-40	206.45
40-50	38.73
50-60	32.48
60-70	20.04
70-80	13.79
80-90	10.25
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: —————

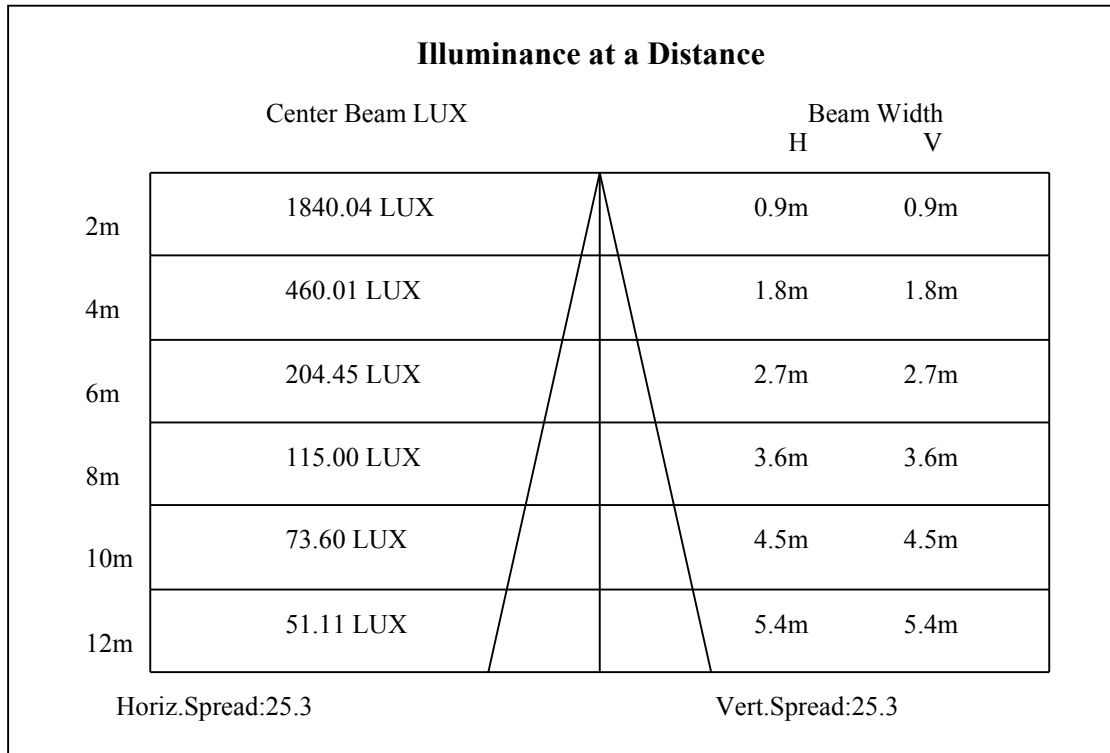
C90/C270: —————

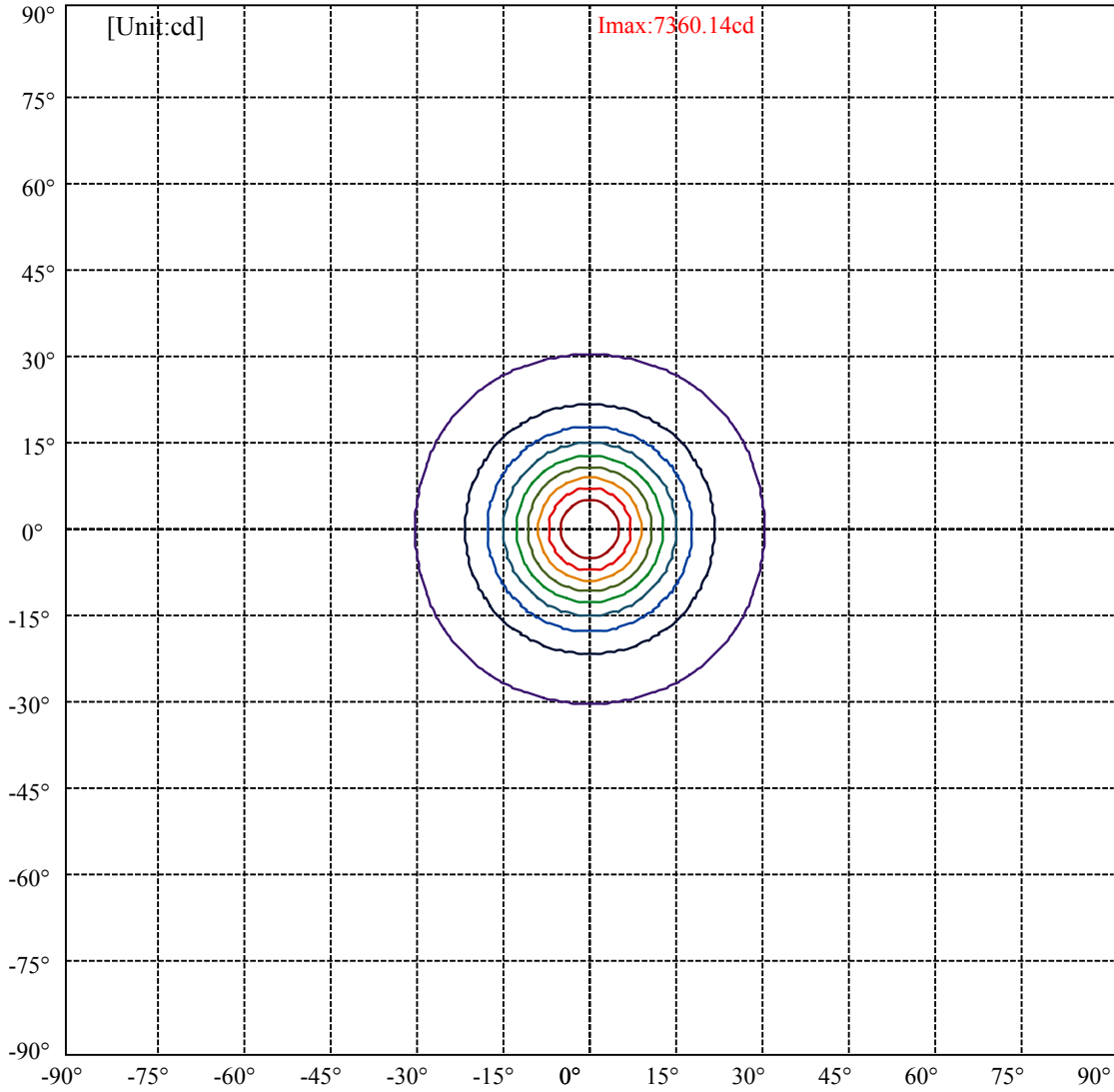
Field angle(10%Imax):C0/180Left:30.0 Right:30.0

:C90/270Left:30.0 Right:30.0

Beam Angle(50%Imax):C0/180Left:12.6 Right:12.6

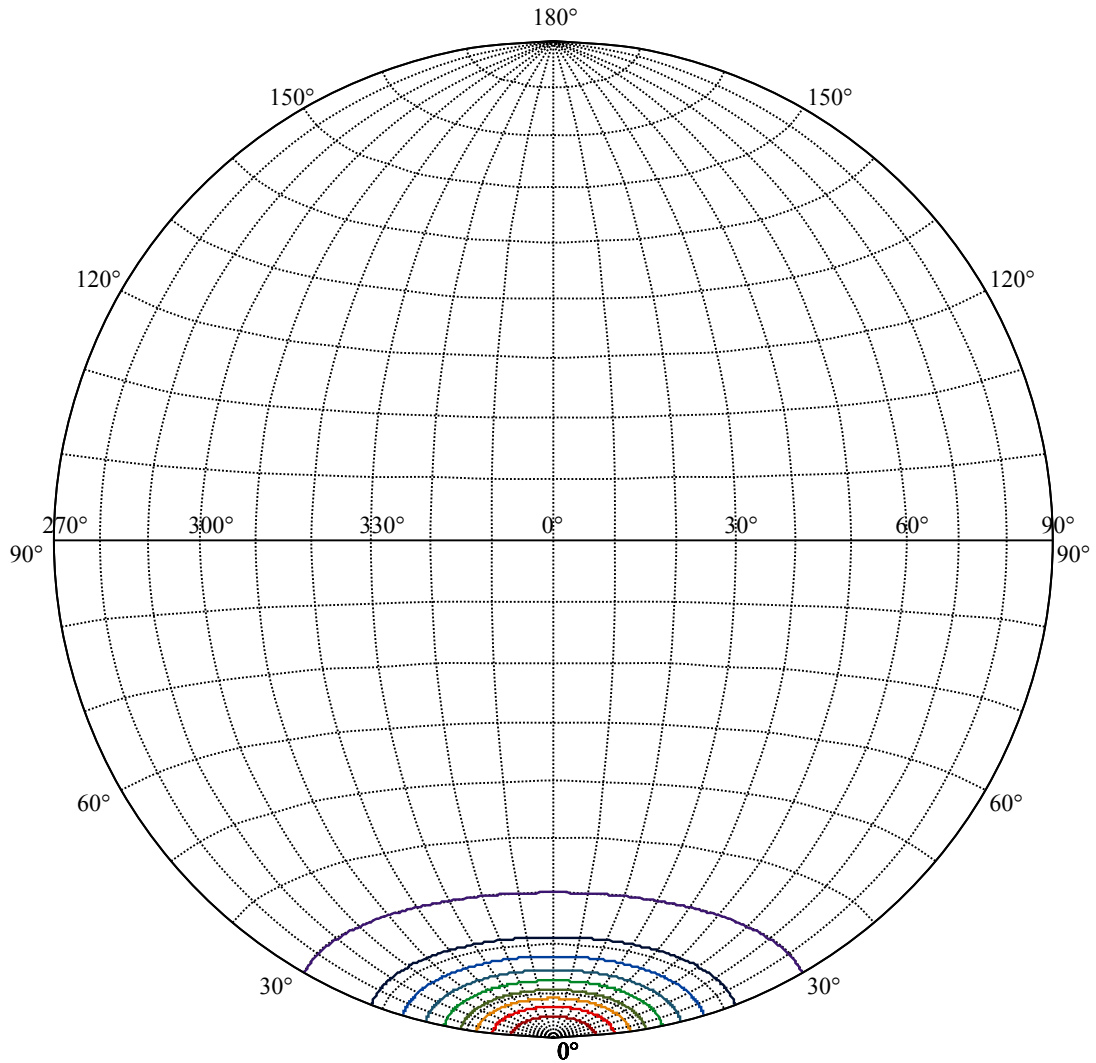
:C90/270Left:12.6 Right:12.6





(10%Imax) 736.014	—
(20%Imax) 1472.03	—
(30%Imax) 2208.04	—
(40%Imax) 2944.06	—
(50%Imax) 3680.07	—
(60%Imax) 4416.08	—
(70%Imax) 5152.1	—
(80%Imax) 5888.11	—
(90%Imax) 6624.13	—





House

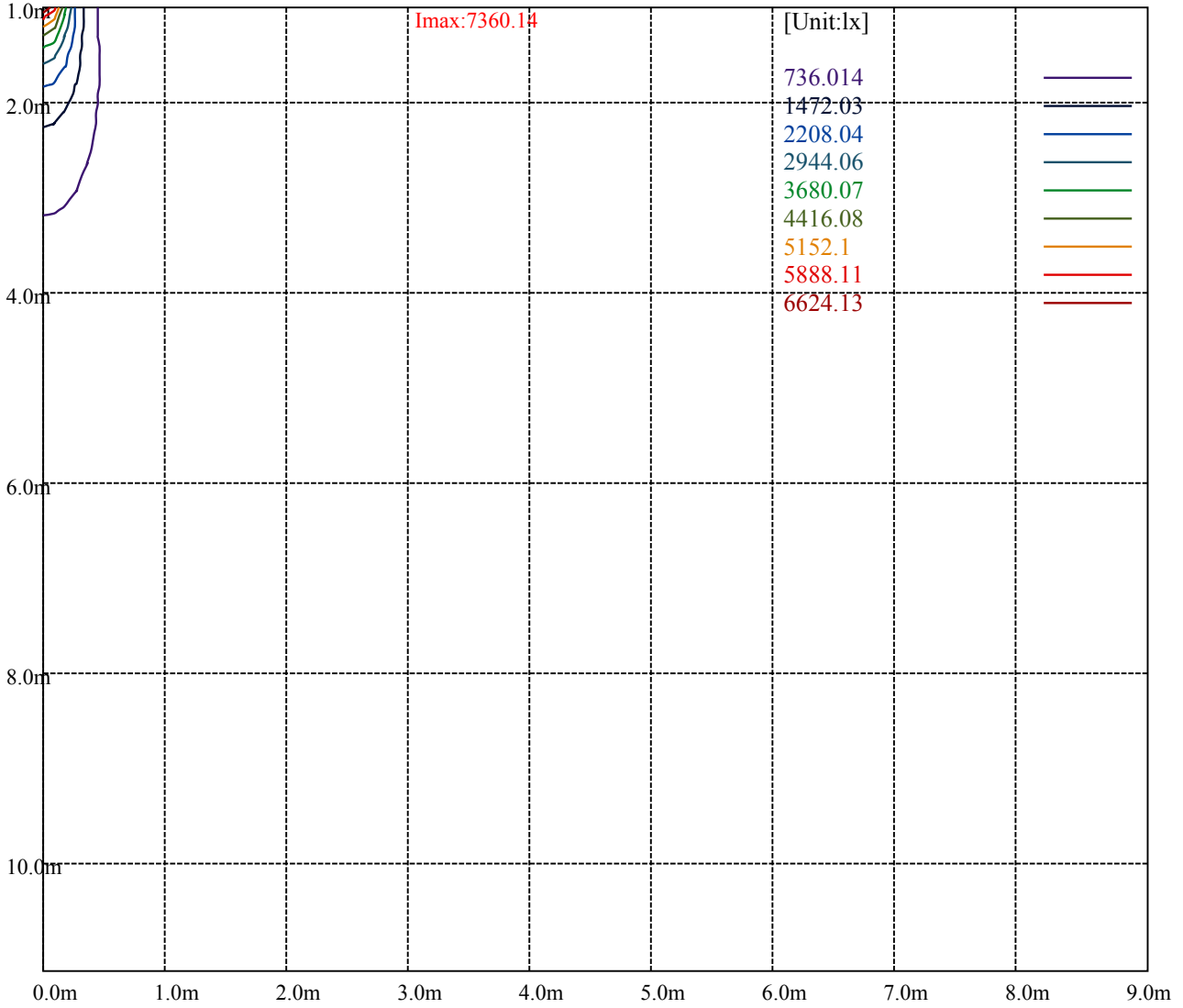
[Unit:cd]

Road

I<sub>max</sub>:7360.14

(10%I <sub>max</sub> )	736.014	—
(20%I <sub>max</sub> )	1472.03	—
(30%I <sub>max</sub> )	2208.04	—
(40%I <sub>max</sub> )	2944.06	—
(50%I <sub>max</sub> )	3680.07	—
(60%I <sub>max</sub> )	4416.08	—
(70%I <sub>max</sub> )	5152.1	—
(80%I <sub>max</sub> )	5888.11	—
(90%I <sub>max</sub> )	6624.13	—





Luminance Table

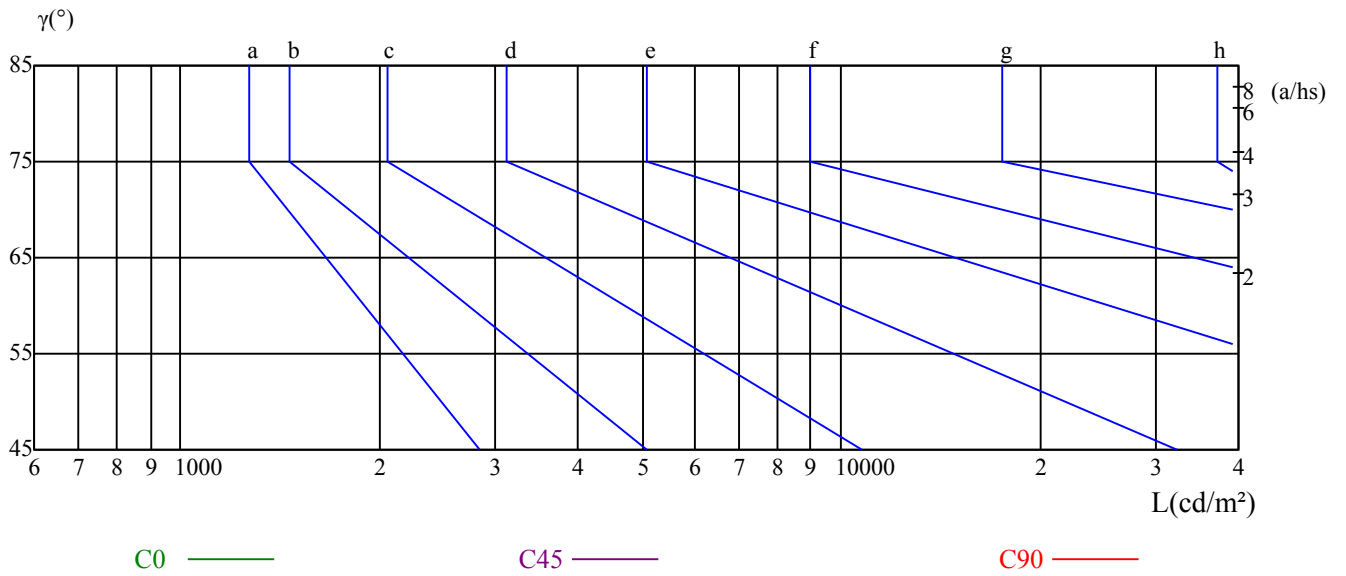
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

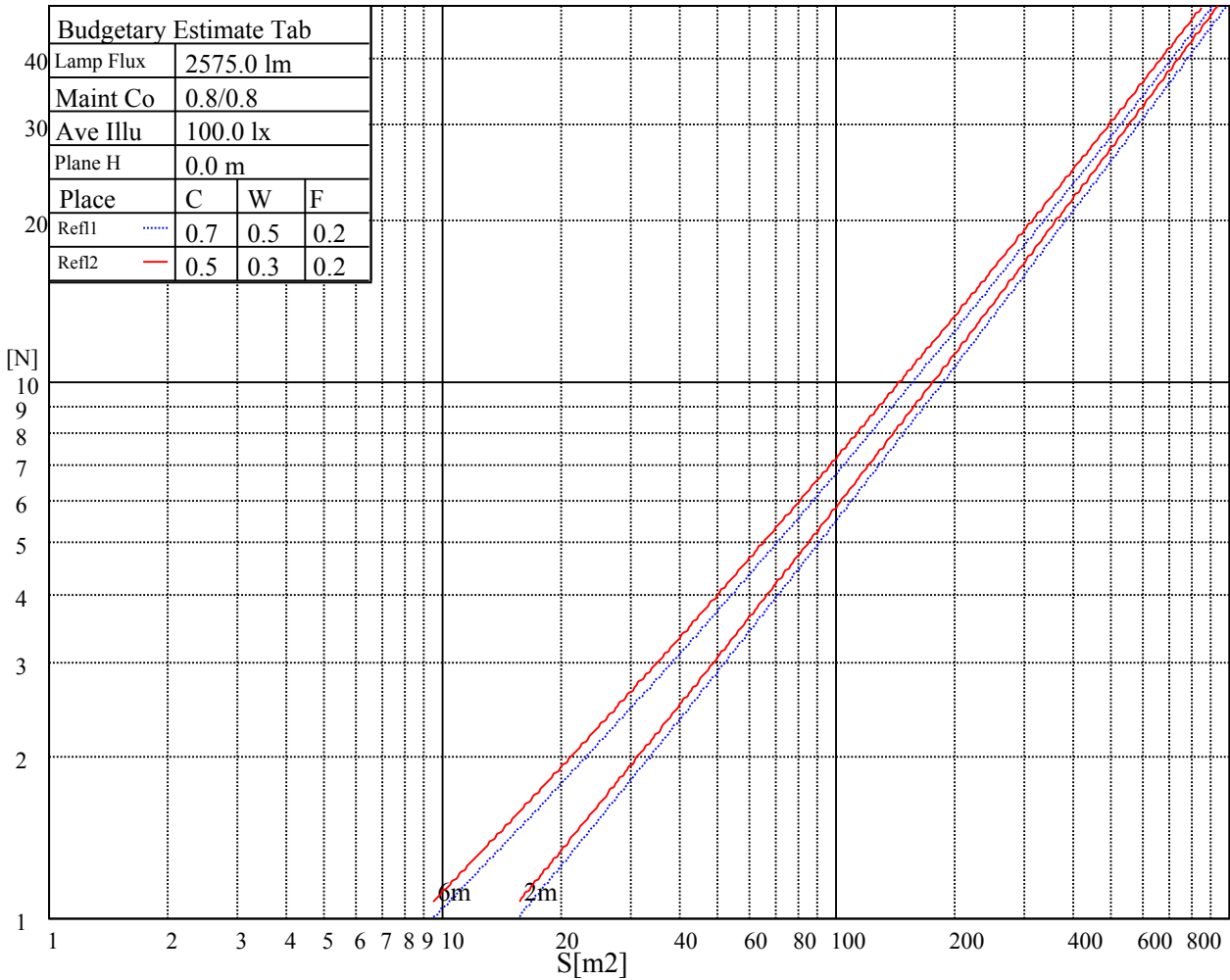
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

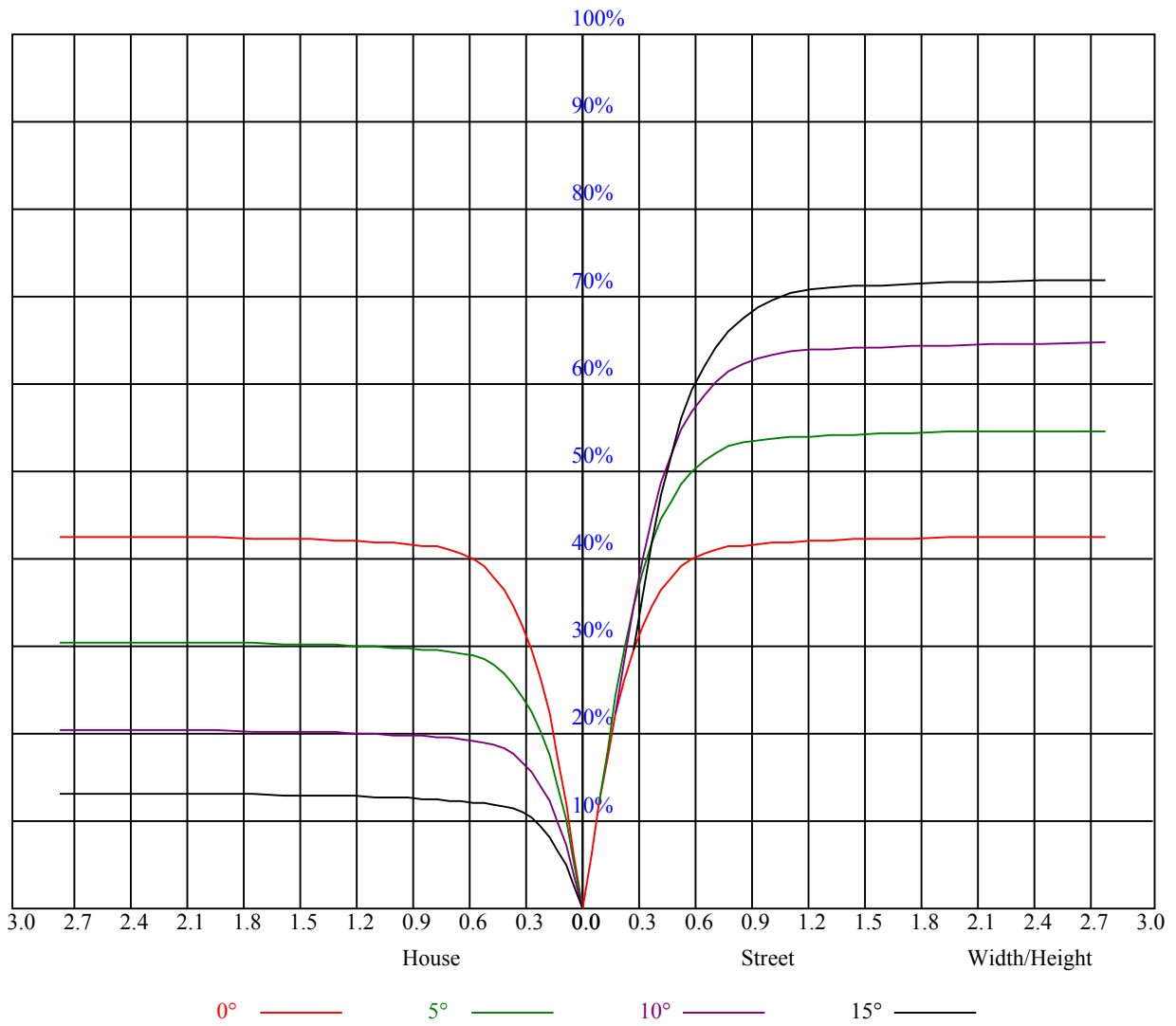


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

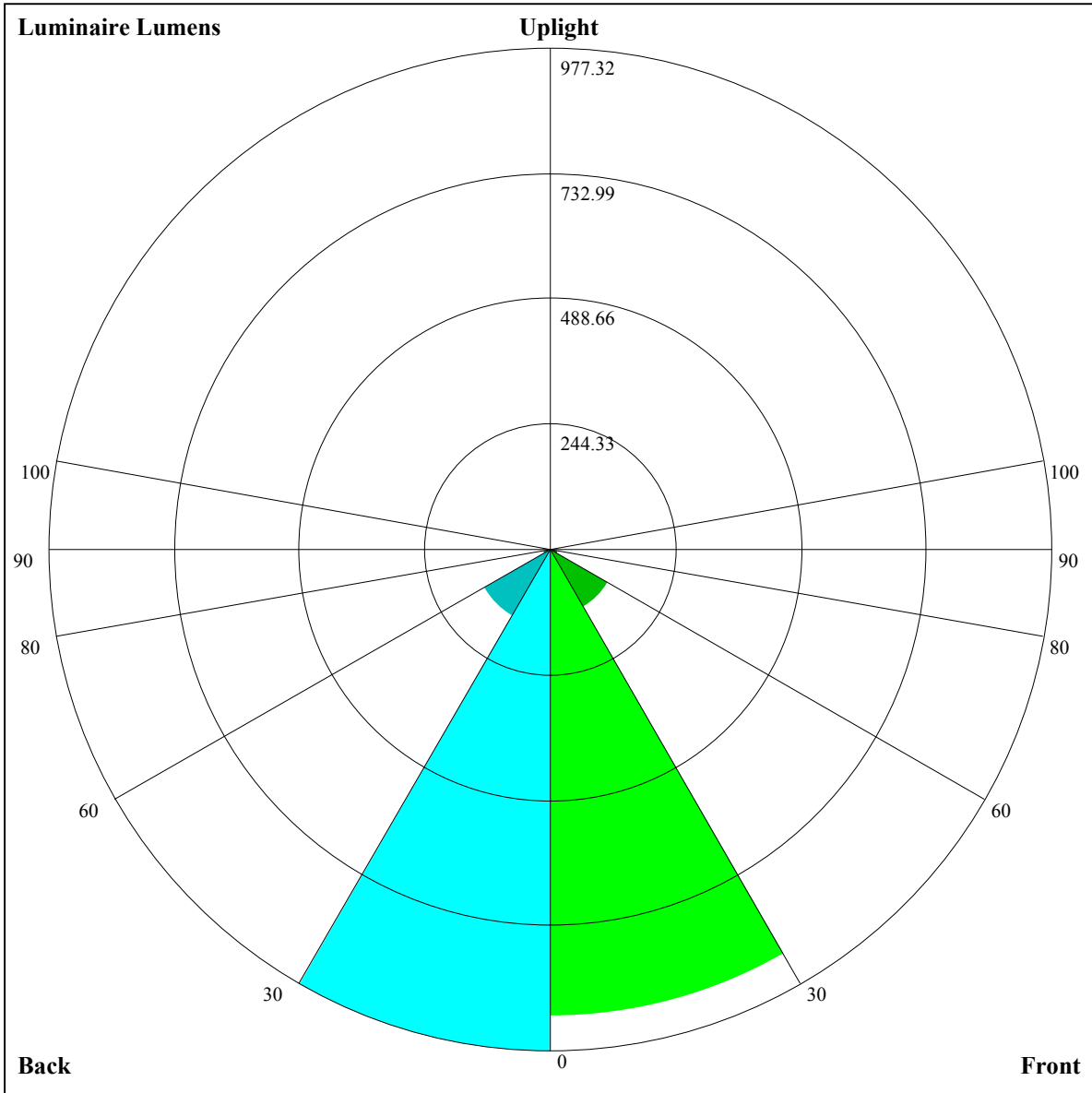
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	1.02	1.02	1.02	1.00	1.00	1.00	0.95	0.95	0.95	0.91	0.91	0.91	0.88	0.88	0.88	0.86
1	0.96	0.94	0.92	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.81
2	0.90	0.87	0.85	0.89	0.86	0.84	0.86	0.84	0.82	0.84	0.82	0.80	0.81	0.80	0.78	0.77
3	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.78	0.76	0.75	0.73
4	0.81	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.77	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.68	0.72	0.70	0.68	0.67
6	0.74	0.70	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
7	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.62	0.61
8	0.68	0.64	0.61	0.67	0.63	0.61	0.67	0.63	0.60	0.66	0.63	0.60	0.65	0.62	0.60	0.59
9	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.63	0.60	0.58	0.63	0.60	0.58	0.57
10	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.58	0.56	0.61	0.58	0.56	0.61	0.58	0.56	0.55







Luminaire Lumens:

FL=910.99,FM=127.83,FH=16.76,FVH=5.63

BL=977.32,BM=151.51,BH=17.16,BVH=5.69

UL=0,UH=0

BUG Rating:B2-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	7275.58	7150.92	6970.67	6736.58	6379.60	6052.46	5683.18	5289.91	4789.54
45.0	7378.58	7351.07	7275.58	7143.90	6886.40	6630.66	6336.29	5910.83	5531.61
90.0	7386.18	7315.96	7195.99	6970.67	6720.20	6360.87	6022.02	5649.24	5258.89
135.0	7400.23	7391.45	7334.68	7173.16	6980.04	6740.68	6457.43	6054.21	5687.28
180.0	7275.58	7363.36	7376.23	7322.98	7216.47	7054.36	6783.40	6514.78	6183.55
225.0	7378.58	7351.07	7271.48	7088.30	6881.72	6624.81	6330.44	5887.42	5503.51
270.0	7386.18	7402.57	7348.14	7248.07	7040.32	6810.32	6541.70	6230.95	5770.38
315.0	7400.23	7355.75	7227.00	7066.07	6786.91	6516.54	6202.86	5743.46	5345.50
360.0	7275.58	7150.92	6970.67	6736.58	6379.60	6052.46	5683.18	5289.91	4789.54
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4398.02	4026.99	3594.51	3274.98	2984.12	2655.22	2414.11	2192.31	1950.03
45.0	5134.82	4738.63	4254.06	3890.05	3552.96	3238.69	2874.68	2615.43	2373.73
90.0	4763.20	4375.20	4007.68	3660.64	3341.11	2968.90	2696.78	2387.78	2166.56
135.0	5308.05	4913.02	4430.21	4053.33	3620.26	3300.14	3000.51	2656.98	2411.77
180.0	5818.37	5351.36	4965.69	4561.89	4179.15	3739.65	3410.75	3105.26	2757.64
225.0	5108.49	4721.07	4249.96	3891.80	3554.13	3163.78	2874.68	2549.88	2314.62
270.0	5381.20	4999.64	4631.53	4146.38	3789.39	3451.13	3135.69	2785.14	2533.50
315.0	4946.38	4553.69	4079.66	3726.77	3393.19	3088.29	2747.69	2503.65	2276.58
360.0	4398.02	4026.99	3594.51	3274.98	2984.12	2655.22	2414.11	2192.31	1950.03
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1775.05	1615.86	1478.92	1150.79	1150.79	1128.02	1052.59	975.69	909.03
45.0	2109.21	1916.09	1702.48	1555.00	1430.93	1316.81	1193.33	1108.47	1037.08
90.0	1922.52	1746.37	1591.29	1459.61	1149.79	1149.79	1130.13	1059.49	984.41
135.0	2191.73	1989.82	1765.10	1607.09	1477.75	1364.22	1241.91	1157.05	1086.24
180.0	2496.04	2280.68	2005.04	1816.01	1651.56	1479.51	1365.39	1264.73	1180.46
225.0	2099.26	1858.15	1690.77	1545.05	1420.98	1154.77	1154.77	1116.43	1051.24
270.0	2236.79	2041.91	1841.18	1637.52	1496.48	1374.17	1265.90	1149.44	1074.53
315.0	2019.08	1830.06	1666.19	1488.29	1291.65	1157.22	1135.10	1057.62	992.78
360.0	1775.05	1615.86	1478.92	1150.79	1150.79	1128.02	1052.59	975.69	909.03
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	833.30	752.60	648.96	565.39	463.62	387.18	299.40	234.44	175.74
45.0	961.00	890.77	813.52	732.17	628.00	546.07	465.31	368.17	297.94
90.0	922.61	850.57	772.32	669.50	584.70	501.48	402.11	327.55	242.40
135.0	1005.48	951.63	883.16	783.09	699.40	594.65	512.13	429.61	352.36
180.0	1090.92	1029.47	973.29	894.28	815.28	731.00	643.22	540.22	458.87
225.0	976.92	914.18	839.97	759.39	653.17	569.60	467.01	388.00	314.97
270.0	1013.08	955.15	865.61	786.60	703.50	597.57	516.23	419.66	344.76
315.0	932.32	841.79	761.09	676.29	571.88	491.06	412.29	339.25	256.97
360.0	833.30	752.60	648.96	565.39	463.62	387.18	299.40	234.44	175.74
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	126.47	84.57	69.35	64.08	59.58	55.07	51.56	49.39	47.52
45.0	297.94	157.48	113.01	81.52	66.54	61.80	57.64	54.19	50.86
90.0	183.53	132.79	92.99	66.19	61.27	56.94	53.20	48.46	46.82
135.0	297.94	297.94	140.28	97.38	68.41	62.15	57.82	54.07	50.04
180.0	361.14	307.89	307.89	148.24	102.71	72.45	60.69	55.42	51.68
225.0	234.27	178.79	131.85	94.28	70.23	63.91	58.82	55.01	51.50
270.0	308.47	308.47	142.27	101.71	73.97	64.26	59.11	55.54	52.20
315.0	197.92	147.30	97.03	74.03	63.61	59.05	55.25	51.85	49.39
360.0	126.47	84.57	69.35	64.08	59.58	55.07	51.56	49.39	47.52

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	45.71	44.36	43.25	42.08	41.49	40.56	39.50	38.57	37.75
45.0	48.69	46.88	45.35	44.18	43.13	42.08	41.20	40.26	39.33
90.0	45.24	43.89	42.66	41.90	40.44	40.20	39.39	38.33	37.40
135.0	48.40	46.35	45.06	44.30	43.13	42.25	41.38	40.61	39.56
180.0	48.34	46.82	45.12	44.13	43.07	42.55	41.67	41.08	40.15
225.0	49.45	47.52	45.94	45.18	44.01	42.60	41.79	40.91	39.56
270.0	49.92	48.34	46.88	45.47	44.89	43.89	42.78	42.43	41.26
315.0	47.23	45.41	44.36	43.42	42.37	41.55	41.02	40.15	39.09
360.0	45.71	44.36	43.25	42.08	41.49	40.56	39.50	38.57	37.75
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	36.40	35.00	33.47	31.66	29.44	27.21	25.34	23.53	21.95
45.0	38.27	37.04	35.87	34.35	32.60	30.61	28.79	25.98	24.40
90.0	36.46	34.94	33.71	31.95	30.14	28.56	25.75	24.23	23.00
135.0	38.62	37.40	36.17	34.47	32.83	30.78	28.56	26.16	24.40
180.0	39.27	38.39	37.10	35.93	34.65	32.83	30.67	28.97	26.69
225.0	38.51	37.10	35.76	34.00	31.95	30.02	28.21	25.34	23.82
270.0	40.26	39.03	37.86	36.52	34.47	32.42	30.67	28.50	25.69
315.0	38.10	36.93	35.64	34.00	32.07	30.14	28.32	25.46	24.05
360.0	36.40	35.00	33.47	31.66	29.44	27.21	25.34	23.53	21.95
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	20.72	19.31	18.02	17.09	16.04	15.22	14.69	14.28	13.81
45.0	23.06	21.48	19.96	18.90	17.44	16.56	15.74	14.98	14.46
90.0	20.95	19.84	18.49	17.15	16.27	15.33	14.69	14.28	13.99
135.0	22.77	21.19	20.07	18.67	17.44	16.56	15.80	14.98	14.51
180.0	24.64	23.06	21.24	20.07	18.79	17.38	16.33	15.68	14.98
225.0	22.06	20.48	19.31	17.91	16.85	16.09	15.22	14.63	14.22
270.0	24.29	22.41	20.66	19.66	17.85	16.97	16.27	15.57	14.81
315.0	22.53	20.89	19.49	18.38	17.21	16.21	15.45	14.75	14.34
360.0	20.72	19.31	18.02	17.09	16.04	15.22	14.69	14.28	13.81
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.46	13.17	12.87	12.47	12.23	11.88	11.59	11.35	11.06
45.0	14.05	13.69	13.34	13.05	12.76	12.41	12.11	11.82	11.53
90.0	13.58	13.28	13.05	12.76	12.47	12.23	11.88	11.53	11.24
135.0	14.16	13.81	13.40	13.17	12.87	12.58	12.29	11.88	11.65
180.0	14.34	13.93	13.64	13.34	12.93	12.70	12.41	12.17	11.82
225.0	13.93	13.46	13.17	12.87	12.58	12.35	12.06	11.76	11.41
270.0	14.40	14.10	13.69	13.34	12.99	12.70	12.47	12.11	11.82
315.0	13.99	13.58	13.23	12.93	12.64	12.35	12.06	11.70	11.47
360.0	13.46	13.17	12.87	12.47	12.23	11.88	11.59	11.35	11.06
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.83	10.59	10.36	10.18	9.95	9.83	9.83	9.48	9.77
45.0	11.24	10.94	10.71	10.48	10.24	10.07	9.83	9.66	9.48
90.0	11.00	10.77	10.53	10.36	10.12	9.95	9.77	9.83	9.48
135.0	11.35	11.06	10.77	10.53	10.42	10.18	10.01	9.77	9.66
180.0	11.59	11.29	11.00	10.77	10.48	10.30	10.12	9.89	9.71
225.0	11.24	10.94	10.65	10.53	10.36	10.12	9.83	9.66	9.60
270.0	11.47	11.24	10.94	10.71	10.48	10.30	10.07	9.77	9.89
315.0	11.12	10.94	10.65	10.42	10.24	10.07	9.83	9.66	9.54
360.0	10.83	10.59	10.36	10.18	9.95	9.83	9.83	9.48	9.77

Intensity data(cd)

C/γ(°)	90.0
0.0	9.54
45.0	9.71
90.0	9.71
135.0	9.60
180.0	9.60
225.0	9.42
270.0	9.48
315.0	9.60
360.0	9.54