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NT

Client:

LumCAT: 2-2684-L

Luminaire: 92.70.411.00

Report No: 2024402-B014

Ballast type: AC

Test No: 2024402-C014

LampCAT: LUMILEDS LUXEON 1205

Lamp flux(lm): 2202.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.160

Current(A): 0.485

Power (W): 17.052

PF: 0.000

Width(mm): 0

Height(mm): 0

### Photometric Results

Lumens(lm): 1889.89, Efficiency(%): 85.83% , Luminous Efficacy(lm/W): 110.83

Central intensity(cd): 4606.658, Maximum intensity(cd): 4606.658

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

Beam Angle(50%Imax): [C0/180]Total=33.6

[C90/270]Total=33.6

Field angle(10%Imax): [C0/180]Total=65.2

[C90/270]Total=65.2

Maximum s/h(1/2): C0\_180=0.55 C90\_270=0.55

Maximum s/h(1/4): C0\_180=0.56 C90\_270=0.56

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 85.83%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 98.036%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/4/02  
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	4606.657	0.000	0	0.00%	0.00%
1.0	4594.953	4.403	4.403	0.20%	0.23%
2.0	4563.350	13.145	17.548	0.60%	0.93%
3.0	4506.364	21.692	39.239	0.99%	2.08%
4.0	4432.918	29.923	69.162	1.36%	3.66%
5.0	4343.160	37.754	106.916	1.71%	5.66%
6.0	4237.892	45.096	152.012	2.05%	8.04%
7.0	4100.145	51.754	203.766	2.35%	10.78%
8.0	3963.861	57.713	261.479	2.62%	13.84%
9.0	3796.047	62.890	324.368	2.86%	17.16%
10.0	3626.039	67.167	391.536	3.05%	20.72%
11.0	3426.185	70.466	462.002	3.20%	24.45%
12.0	3232.183	72.785	534.787	3.31%	28.30%
13.0	3028.964	74.304	609.091	3.37%	32.23%
14.0	2826.110	74.944	684.036	3.40%	36.19%
15.0	2642.349	75.073	759.109	3.41%	40.17%
16.0	2449.006	74.603	833.712	3.39%	44.11%
17.0	2269.781	73.484	907.196	3.34%	48.00%
18.0	2080.899	71.733	978.929	3.26%	51.80%
19.0	1906.941	69.380	1048.31	3.15%	55.47%
20.0	1730.349	66.573	1114.882	3.02%	58.99%
21.0	1541.461	62.825	1177.707	2.85%	62.32%
22.0	1383.362	58.776	1236.483	2.67%	65.43%
23.0	1231.657	54.870	1291.353	2.49%	68.33%
24.0	1148.833	52.046	1343.399	2.36%	71.08%
25.0	1054.290	50.094	1393.493	2.27%	73.73%
26.0	973.566	47.868	1441.361	2.17%	76.27%
27.0	898.869	45.810	1487.171	2.08%	78.69%
28.0	831.839	43.818	1530.989	1.99%	81.01%
29.0	754.326	41.499	1572.487	1.88%	83.21%
30.0	678.473	38.685	1611.172	1.76%	85.25%
31.0	587.749	35.237	1646.41	1.60%	87.12%
32.0	508.531	31.407	1677.817	1.43%	88.78%
33.0	422.298	27.423	1705.239	1.25%	90.23%
34.0	344.302	23.200	1728.439	1.05%	91.46%
35.0	283.490	19.497	1747.936	0.89%	92.49%
36.0	233.351	16.456	1764.392	0.75%	93.36%
37.0	154.448	12.648	1777.04	0.57%	94.03%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	107.959	8.759	1785.799	0.40%	94.49%
39.0	73.746	6.202	1792.001	0.28%	94.82%
40.0	60.798	4.692	1796.693	0.21%	95.07%
41.0	55.304	4.134	1800.828	0.19%	95.29%
42.0	51.244	3.871	1804.699	0.18%	95.49%
43.0	47.776	3.668	1808.367	0.17%	95.69%
44.0	44.660	3.489	1811.855	0.16%	95.87%
45.0	42.129	3.335	1815.191	0.15%	96.05%
46.0	39.847	3.206	1818.397	0.15%	96.22%
47.0	37.710	3.085	1821.481	0.14%	96.38%
48.0	35.838	2.973	1824.455	0.14%	96.54%
49.0	34.097	2.872	1827.326	0.13%	96.69%
50.0	32.348	2.770	1830.097	0.13%	96.84%
51.0	30.768	2.670	1832.767	0.12%	96.98%
52.0	29.247	2.575	1835.342	0.12%	97.11%
53.0	27.769	2.480	1837.823	0.11%	97.25%
54.0	26.445	2.390	1840.212	0.11%	97.37%
55.0	25.135	2.302	1842.515	0.10%	97.49%
56.0	23.936	2.217	1844.732	0.10%	97.61%
57.0	22.714	2.133	1846.865	0.10%	97.72%
58.0	21.522	2.046	1848.911	0.09%	97.83%
59.0	20.549	1.967	1850.877	0.09%	97.94%
60.0	19.576	1.896	1852.773	0.09%	98.04%
61.0	18.639	1.824	1854.597	0.08%	98.13%
62.0	17.849	1.758	1856.355	0.08%	98.23%
63.0	17.067	1.698	1858.053	0.08%	98.32%
64.0	16.313	1.638	1859.691	0.07%	98.40%
65.0	15.713	1.585	1861.276	0.07%	98.49%
66.0	15.062	1.536	1862.811	0.07%	98.57%
67.0	14.477	1.485	1864.297	0.07%	98.65%
68.0	13.928	1.439	1865.736	0.07%	98.72%
69.0	13.482	1.398	1867.134	0.06%	98.80%
70.0	12.948	1.357	1868.491	0.06%	98.87%
71.0	12.538	1.317	1869.809	0.06%	98.94%
72.0	12.151	1.284	1871.092	0.06%	99.01%
73.0	11.785	1.252	1872.344	0.06%	99.07%
74.0	11.427	1.220	1873.564	0.06%	99.14%
75.0	11.112	1.191	1874.755	0.05%	99.20%

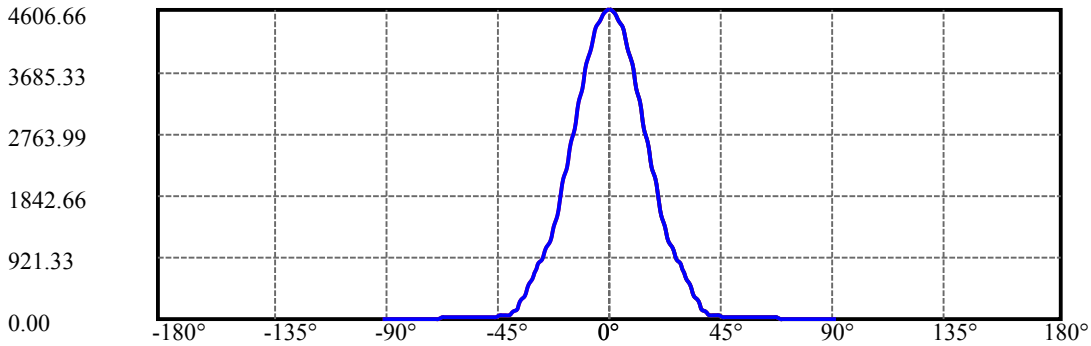
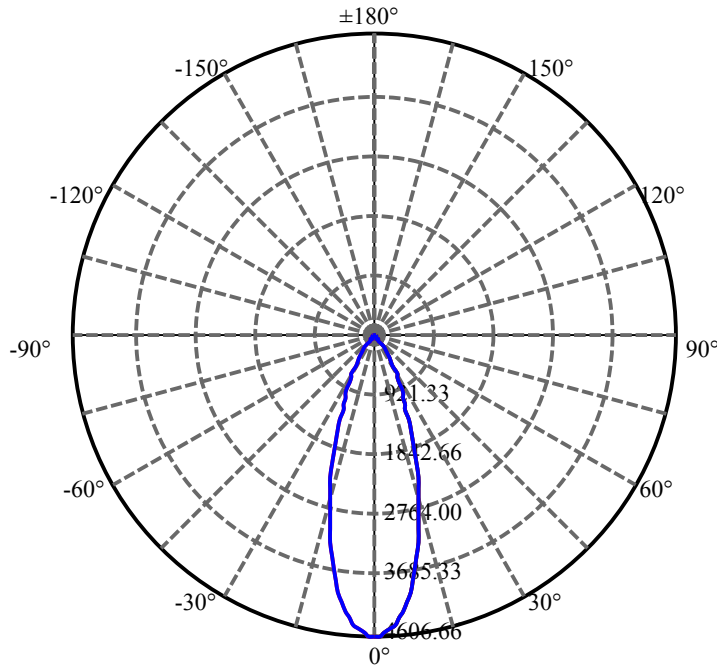
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	10.841	1.165	1875.921	0.05%	99.26%
77.0	10.534	1.140	1877.06	0.05%	99.32%
78.0	10.300	1.115	1878.176	0.05%	99.38%
79.0	10.044	1.093	1879.269	0.05%	99.44%
80.0	9.817	1.071	1880.339	0.05%	99.49%
81.0	9.590	1.050	1881.389	0.05%	99.55%
82.0	9.356	1.027	1882.416	0.05%	99.60%
83.0	9.100	1.003	1883.42	0.05%	99.66%
84.0	8.852	0.978	1884.398	0.04%	99.71%
85.0	8.632	0.954	1885.352	0.04%	99.76%
86.0	8.464	0.934	1886.286	0.04%	99.81%
87.0	8.318	0.918	1887.205	0.04%	99.86%
88.0	8.186	0.904	1888.109	0.04%	99.91%
89.0	8.113	0.893	1889.002	0.04%	99.95%
90.0	8.061	0.887	1889.889	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1611.17	73.17%	85.25%
0-40	1796.69	81.59%	95.07%
0-60	1852.77	84.14%	98.04%
0-90	1889.00	85.79%	99.95%
0-120	1889.00	85.79%	99.95%
0-180	1889.89	85.83%	100.00%
60-90	36.23	1.65%	1.92%
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%
0-27.56	1511.91	68.66%	80.00%

ZONAL LUMEN SUMMARY

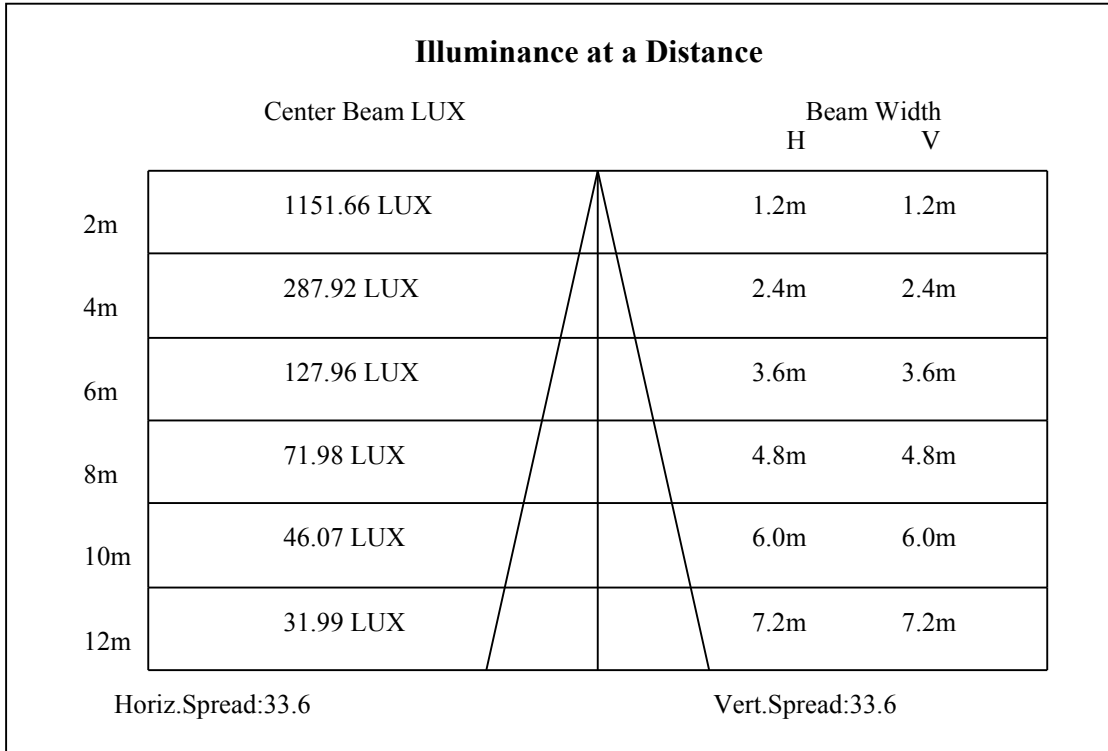
0-10	391.54
10-20	723.35
20-30	496.29
30-40	185.52
40-50	33.40
50-60	22.68
60-70	15.72
70-80	11.85
80-90	8.66
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

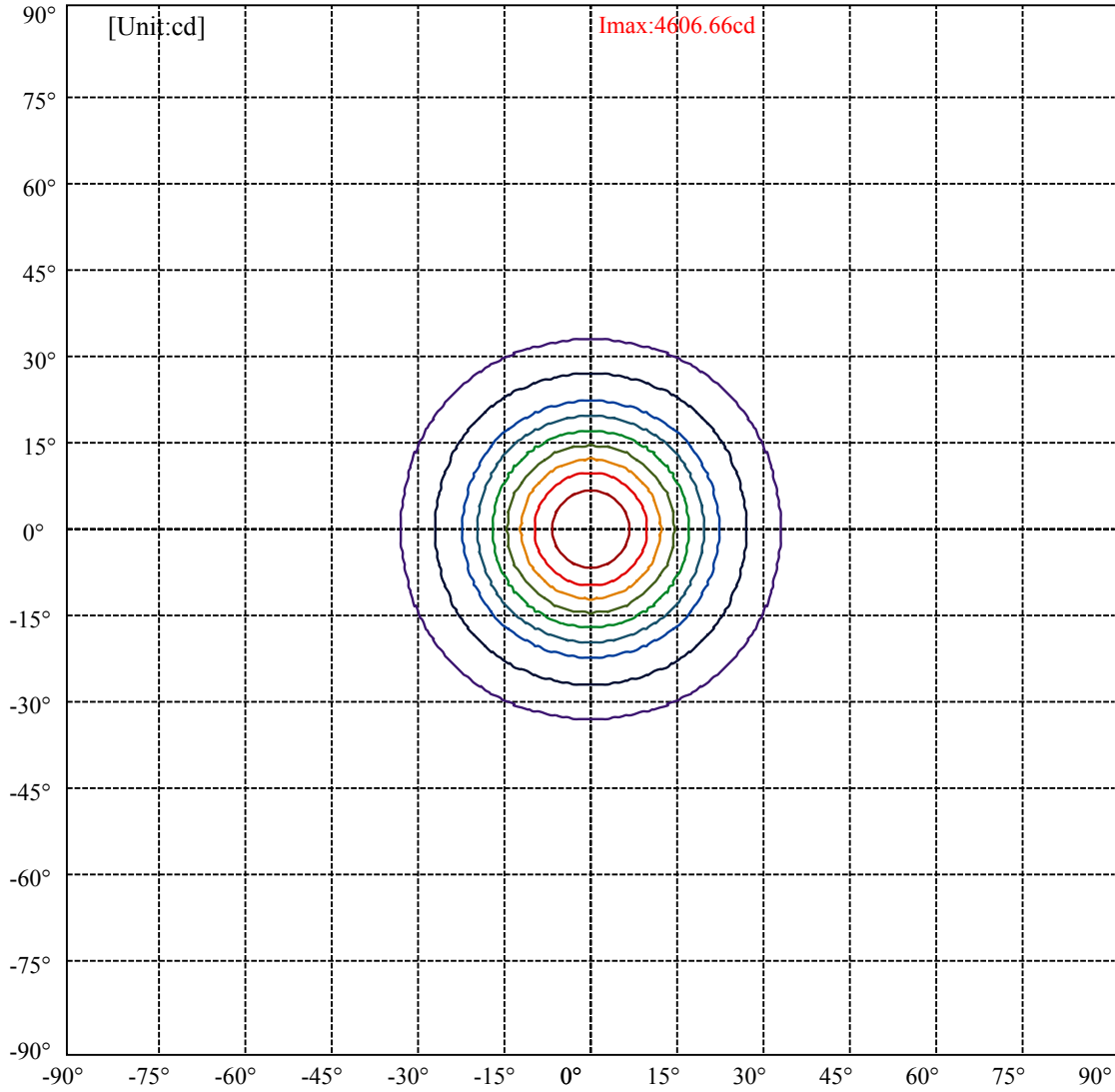


C0(Max): ———  
C0/C180: ———  
C90/C270: ———

Field angle(10%Imax):C0/180Left:32.6 Right:32.6  
:C90/270Left:32.6 Right:32.6

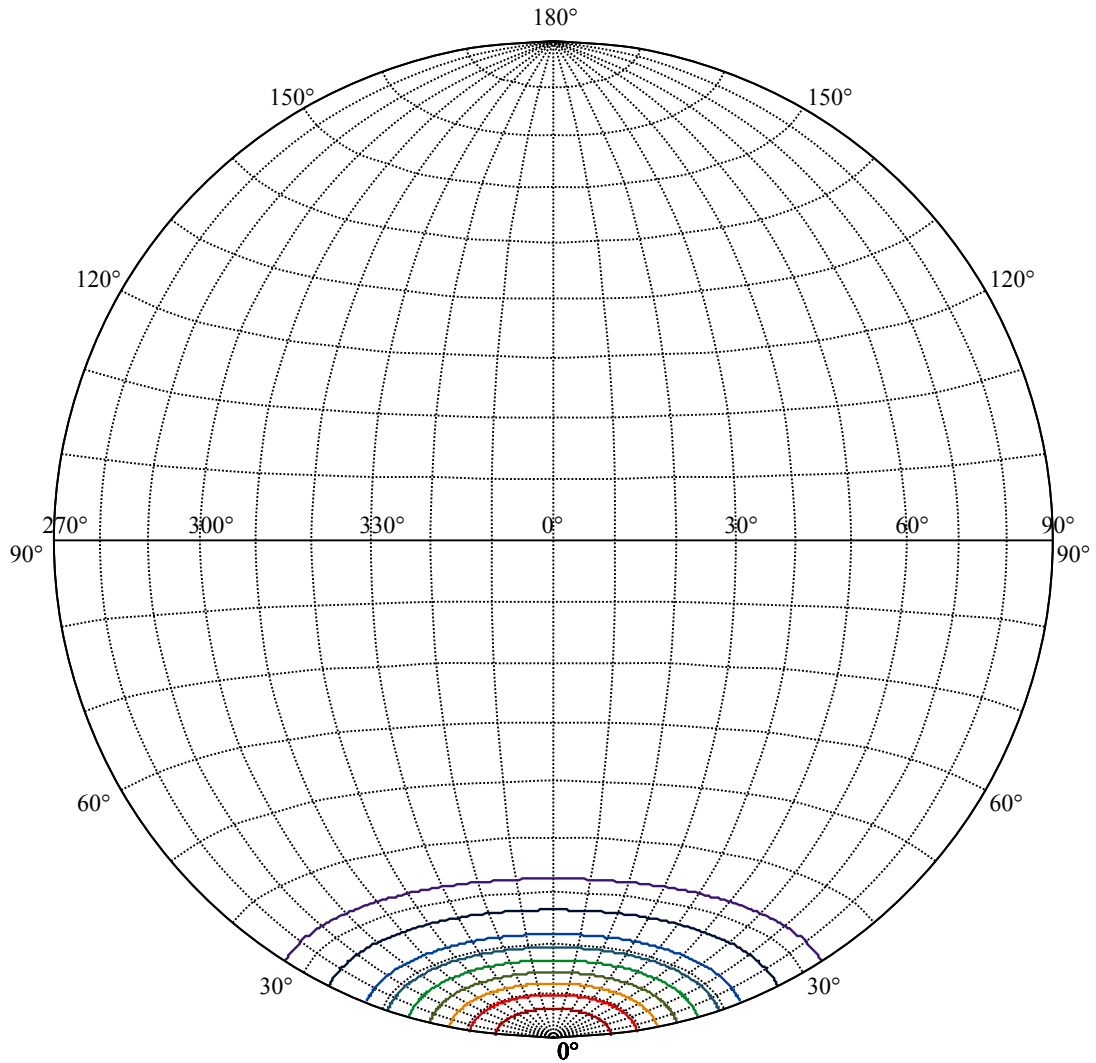
Beam Angle(50%Imax):C0/180Left:16.8 Right:16.8  
:C90/270Left:16.8 Right:16.8





(10%Imax) 460.666	—
(20%Imax) 921.332	—
(30%Imax) 1382	—
(40%Imax) 1842.66	—
(50%Imax) 2303.33	—
(60%Imax) 2763.99	—
(70%Imax) 3224.66	—
(80%Imax) 3685.33	—
(90%Imax) 4145.99	—





House

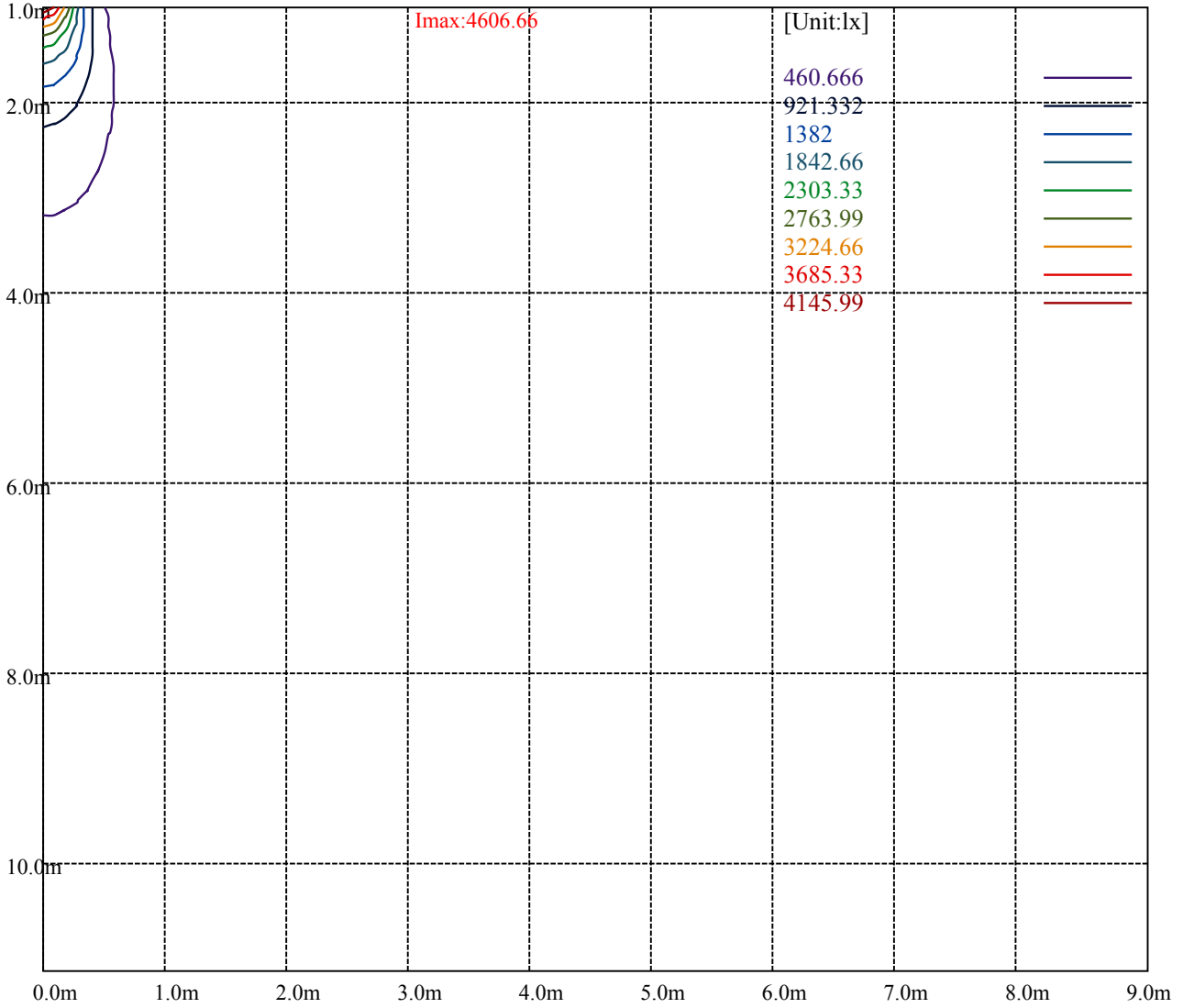
[Unit:cd]

Road

**Imax:4606.66**

(10%Imax) 460.666	—
(20%Imax) 921.332	—
(30%Imax) 1382	—
(40%Imax) 1842.66	—
(50%Imax) 2303.33	—
(60%Imax) 2763.99	—
(70%Imax) 3224.66	—
(80%Imax) 3685.33	—
(90%Imax) 4145.99	—





Luminance Table

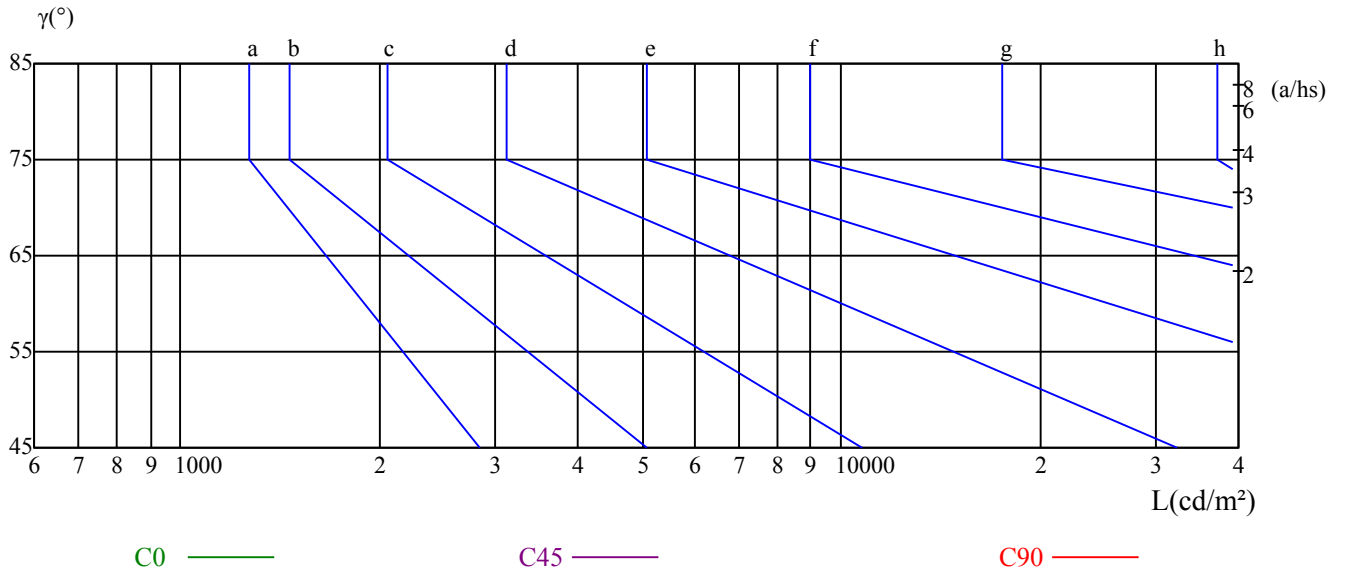
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

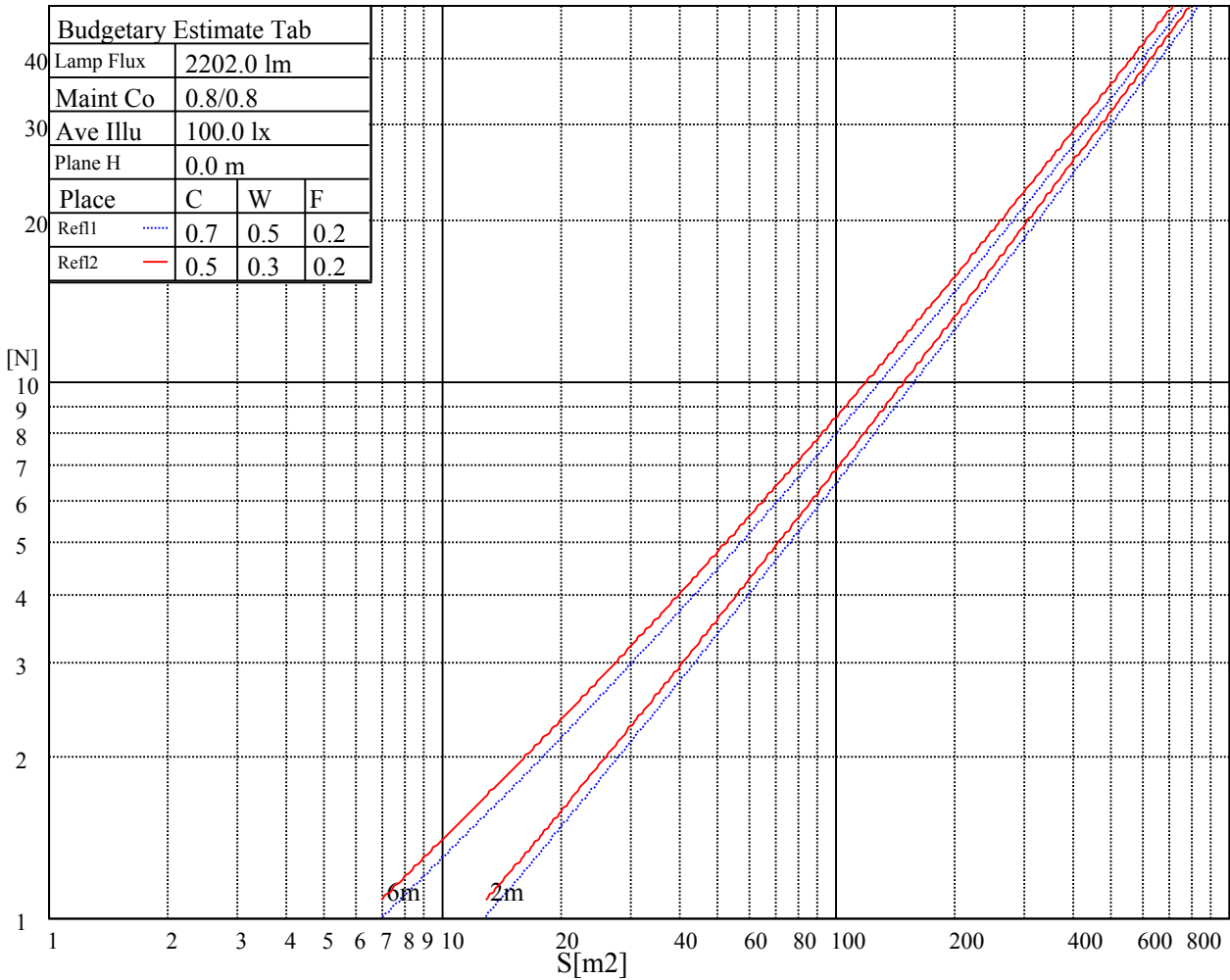
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

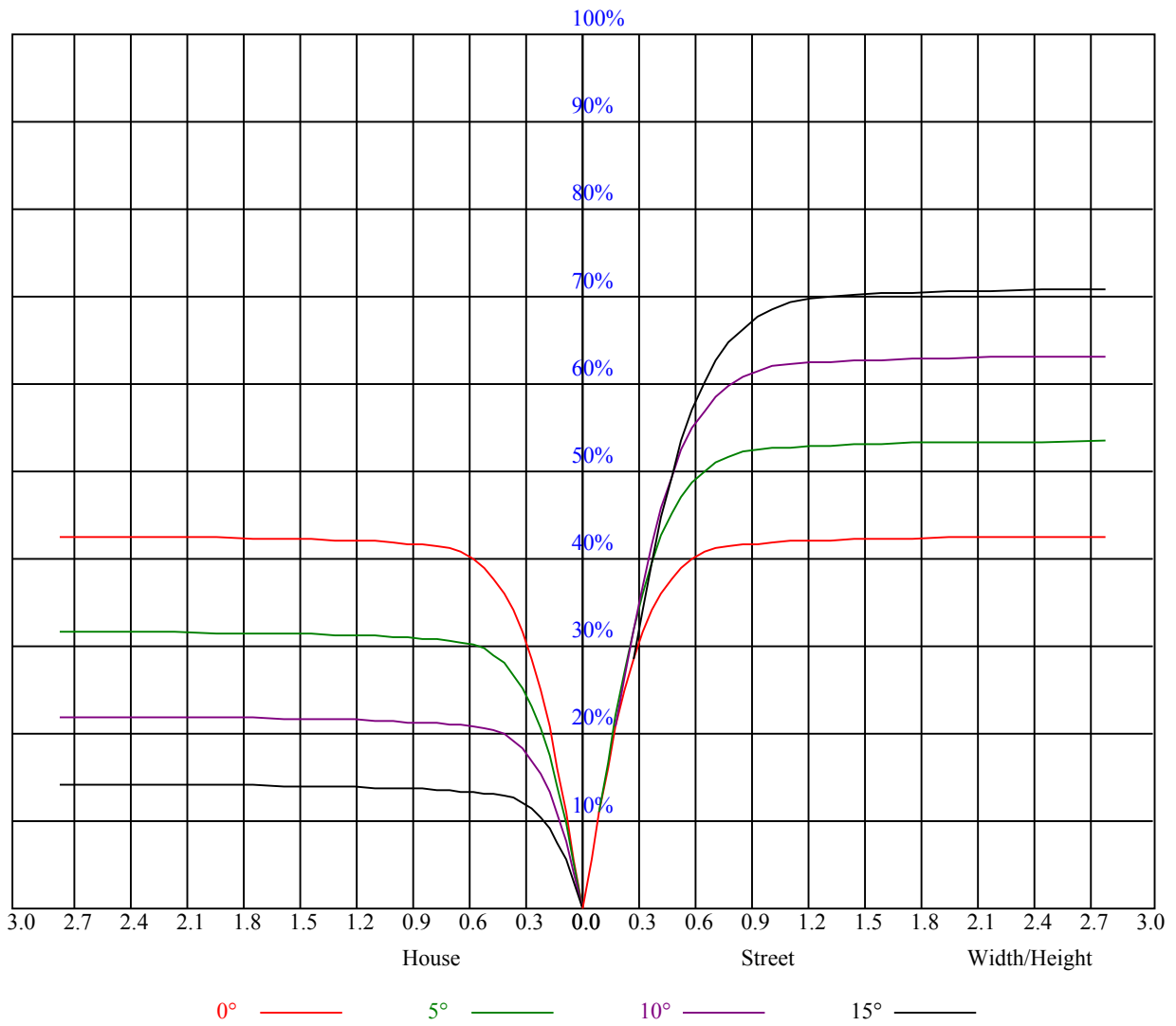


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

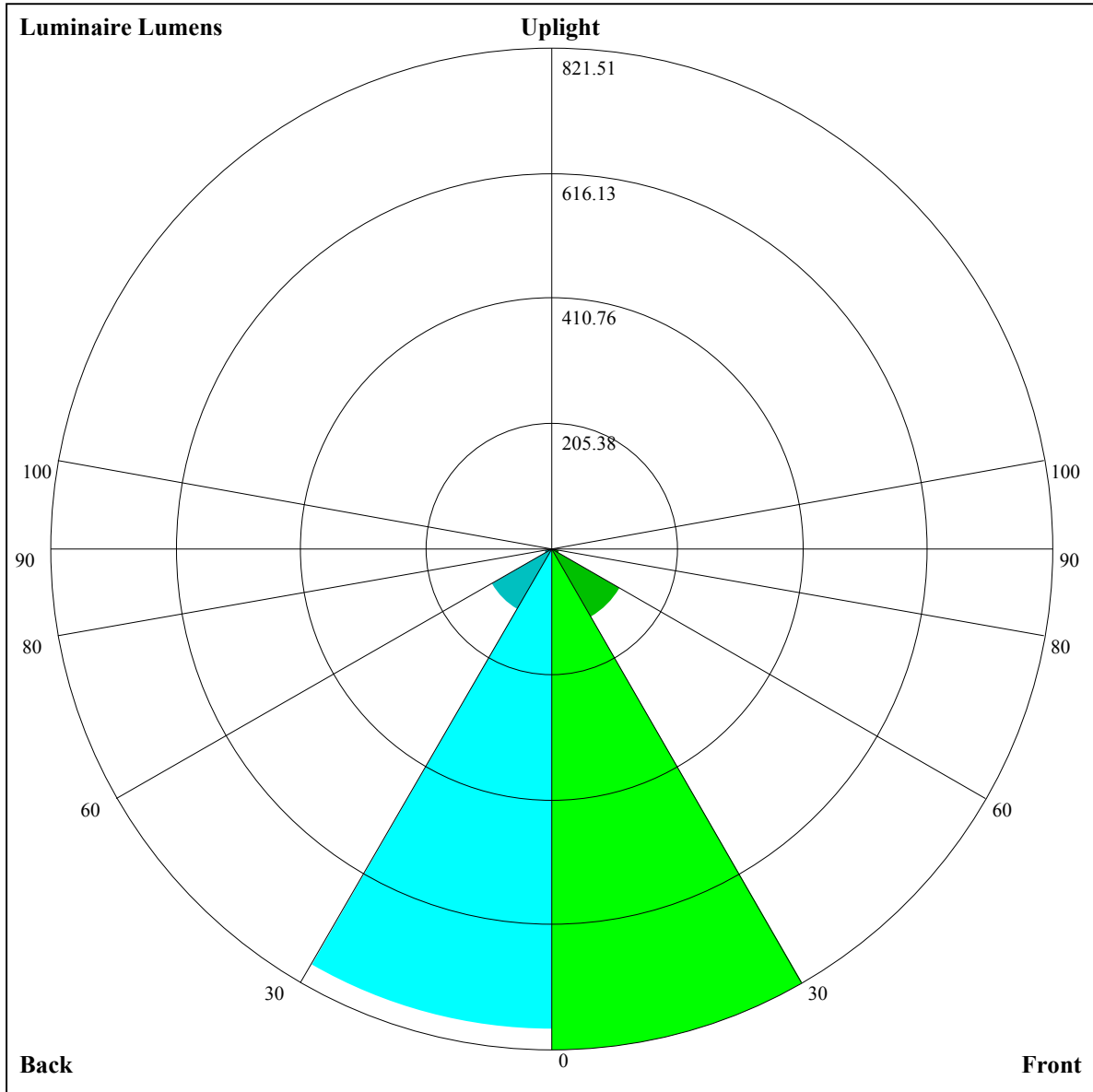
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81
2	0.90	0.87	0.84	0.88	0.86	0.83	0.86	0.83	0.81	0.83	0.81	0.80	0.81	0.79	0.78	0.77
3	0.85	0.81	0.78	0.84	0.80	0.77	0.81	0.79	0.76	0.79	0.77	0.75	0.78	0.76	0.74	0.73
4	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.74	0.72	0.76	0.73	0.71	0.74	0.72	0.70	0.69
5	0.76	0.72	0.69	0.76	0.72	0.69	0.74	0.71	0.68	0.73	0.70	0.67	0.72	0.69	0.67	0.66
6	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
7	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.67	0.64	0.61	0.66	0.63	0.61	0.60
8	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.58	0.57
9	0.64	0.59	0.57	0.63	0.59	0.56	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.55
10	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53







Luminaire Lumens:

FL=821.51,FM=128.78,FH=13.93,FVH=4.81

BL=789.15,BM=114.53,BH=13.68,BVH=4.75

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	4619.24	4608.12	4582.37	4529.70	4462.40	4362.33	4271.62	4159.84	4036.94
45.0	4589.98	4616.90	4618.07	4598.17	4540.82	4481.13	4406.80	4275.13	4169.79
90.0	4614.56	4608.12	4579.44	4532.04	4444.26	4357.06	4260.50	4107.75	3976.66
135.0	4602.85	4606.36	4593.49	4547.84	4485.22	4409.73	4295.02	4183.25	4031.09
180.0	4619.24	4599.93	4558.38	4488.15	4415.58	4324.29	4197.29	4071.47	3938.04
225.0	4589.98	4543.16	4482.30	4391.59	4298.54	4183.83	4059.18	3873.66	3717.41
270.0	4614.56	4603.44	4567.74	4495.17	4427.29	4352.38	4245.87	4096.05	3953.84
315.0	4602.85	4573.59	4525.02	4468.25	4389.25	4274.54	4166.86	4034.01	3887.12
360.0	4619.24	4608.12	4582.37	4529.70	4462.40	4362.33	4271.62	4159.84	4036.94
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3855.52	3696.34	3523.70	3299.56	3117.55	2886.97	2704.97	2524.13	2350.32
45.0	4045.72	3904.09	3709.21	3544.18	3369.20	3180.76	2954.86	2768.17	2585.58
90.0	3823.92	3620.85	3439.43	3252.15	3068.39	2837.23	2654.05	2480.24	2309.36
135.0	3883.61	3726.19	3554.72	3327.65	3136.28	2950.18	2766.42	2539.94	2363.20
180.0	3740.23	3569.35	3385.00	3195.39	2951.93	2761.74	2583.24	2407.67	2189.39
225.0	3533.65	3353.40	3111.70	2924.43	2692.09	2514.19	2344.47	2135.54	1967.58
270.0	3798.75	3627.28	3400.22	3212.36	2976.51	2783.97	2610.75	2392.46	2218.65
315.0	3686.98	3510.82	3285.51	3101.75	2919.75	2693.85	2520.04	2343.88	2174.17
360.0	3855.52	3696.34	3523.70	3299.56	3117.55	2886.97	2704.97	2524.13	2350.32
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2141.40	1973.44	1807.82	1611.77	1463.71	1160.97	1160.97	1092.44	1013.26
45.0	2369.63	2205.19	1992.16	1825.96	1663.27	1512.87	1339.05	1224.35	1119.01
90.0	2099.85	1931.89	1767.44	1570.22	1427.42	1154.88	1154.88	1065.23	985.75
135.0	2196.41	1987.48	1824.79	1660.34	1476.00	1337.88	1216.16	1087.99	1003.13
180.0	2019.08	1859.32	1661.51	1503.50	1349.59	1196.84	1094.43	983.24	913.59
225.0	1804.89	1605.33	1455.51	1142.94	1142.94	1072.83	989.62	919.10	856.77
270.0	2055.95	1895.60	1693.11	1526.91	1387.04	1260.05	1124.28	1035.32	960.41
315.0	1959.98	1797.28	1640.44	1490.04	1156.93	1156.93	1111.28	1026.66	936.59
360.0	2141.40	1973.44	1807.82	1611.77	1463.71	1160.97	1160.97	1092.44	1013.26
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	940.52	876.84	803.87	732.53	634.68	550.76	472.22	374.02	301.51
45.0	1032.40	935.25	871.46	810.60	723.98	648.49	570.65	471.75	394.50
90.0	902.18	841.14	772.44	696.36	596.11	515.00	437.46	361.03	271.08
135.0	928.81	862.09	786.60	712.28	635.03	557.19	456.53	379.28	307.30
180.0	850.39	794.21	705.25	620.98	539.64	462.39	370.51	300.86	300.86
225.0	783.21	709.18	628.88	545.90	445.41	369.10	280.85	218.46	162.87
270.0	880.24	822.88	740.37	663.12	580.60	499.84	401.52	331.88	295.60
315.0	873.21	813.11	725.74	646.03	546.54	465.49	388.65	317.13	234.21
360.0	940.52	876.84	803.87	732.53	634.68	550.76	472.22	374.02	301.51
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	235.03	173.64	113.42	78.19	63.44	58.99	54.07	50.62	46.64
45.0	322.52	305.55	223.85	122.96	79.01	63.67	58.58	54.43	49.80
90.0	203.95	150.40	94.81	68.12	58.93	54.95	51.27	48.16	44.89
135.0	307.30	162.40	114.65	74.03	61.45	57.12	52.49	49.16	46.29
180.0	219.52	109.96	76.61	60.45	56.36	52.49	48.34	45.47	43.07
225.0	105.98	74.44	60.34	55.65	51.03	47.81	44.89	42.31	39.74
270.0	295.60	132.55	92.70	67.24	57.94	53.26	49.69	45.82	43.07
315.0	176.91	126.64	87.32	63.32	58.23	54.13	50.62	46.23	43.77
360.0	235.03	173.64	113.42	78.19	63.44	58.99	54.07	50.62	46.64

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	43.54	41.26	38.62	36.81	35.00	33.30	31.37	29.96	28.56
45.0	46.70	44.13	41.32	39.21	37.22	35.35	33.77	31.72	30.20
90.0	42.60	40.56	38.62	36.40	34.76	33.12	31.66	29.90	28.56
135.0	43.83	41.14	39.03	37.22	35.52	33.36	31.78	30.26	28.62
180.0	40.85	38.39	36.58	34.82	33.24	31.37	29.90	28.56	26.92
225.0	37.75	36.11	34.00	32.54	31.02	29.38	28.03	26.74	25.28
270.0	40.85	38.33	36.58	34.94	32.95	31.43	30.02	28.62	27.10
315.0	40.91	38.86	36.93	34.76	33.07	31.49	29.61	28.21	26.92
360.0	43.54	41.26	38.62	36.81	35.00	33.30	31.37	29.96	28.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.21	25.57	24.40	23.23	21.77	20.83	19.84	18.73	18.02
45.0	28.62	27.27	25.98	24.46	23.35	22.18	21.24	20.07	19.14
90.0	26.86	25.75	24.58	23.06	21.95	20.95	19.78	18.90	18.20
135.0	27.45	26.10	24.64	23.47	22.12	21.19	20.31	19.37	18.32
180.0	25.69	24.35	23.17	22.12	21.13	19.96	19.02	18.26	17.50
225.0	24.23	23.12	22.00	20.83	19.90	19.08	18.20	17.32	16.68
270.0	25.87	24.70	23.58	22.53	21.24	20.37	19.25	18.38	17.67
315.0	25.63	24.23	23.12	22.00	20.72	19.84	18.96	18.08	17.26
360.0	27.21	25.57	24.40	23.23	21.77	20.83	19.84	18.73	18.02
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.26	16.39	15.80	15.22	14.57	13.99	13.58	13.11	12.58
45.0	18.38	17.62	16.91	16.09	15.51	14.81	14.28	13.69	13.23
90.0	17.50	16.62	15.98	15.39	14.69	14.16	13.69	13.11	12.70
135.0	17.62	16.91	16.27	15.51	14.98	14.40	13.99	13.34	12.87
180.0	16.62	15.92	15.39	14.86	14.10	13.64	13.17	12.64	12.29
225.0	15.80	15.22	14.69	14.05	13.58	13.17	12.64	12.23	11.94
270.0	16.85	16.09	15.51	14.75	14.28	13.75	13.40	12.76	12.41
315.0	16.50	15.74	15.16	14.63	14.10	13.52	13.11	12.70	12.29
360.0	17.26	16.39	15.80	15.22	14.57	13.99	13.58	13.11	12.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	12.23	11.88	11.59	11.18	10.89	10.59	10.36	10.12	9.83
45.0	12.82	12.29	11.88	11.65	11.29	10.94	10.65	10.42	10.24
90.0	12.35	11.94	11.59	11.24	11.00	10.59	10.36	10.12	9.89
135.0	12.41	12.06	11.65	11.29	11.00	10.77	10.48	10.18	9.95
180.0	11.88	11.59	11.18	10.89	10.65	10.36	10.18	9.89	9.66
225.0	11.59	11.24	10.94	10.71	10.48	10.12	9.95	9.66	9.48
270.0	12.06	11.76	11.35	11.06	10.83	10.53	10.30	10.01	9.77
315.0	11.88	11.53	11.24	10.89	10.59	10.36	10.12	9.95	9.71
360.0	12.23	11.88	11.59	11.18	10.89	10.59	10.36	10.12	9.83
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	9.66	9.42	9.31	8.95	8.72	8.54	8.37	8.25	8.19
45.0	9.95	9.66	9.36	9.19	8.95	8.66	8.54	8.37	8.25
90.0	9.60	9.36	9.13	8.95	8.72	8.54	8.37	8.25	8.13
135.0	9.71	9.42	9.25	9.01	8.66	8.54	8.37	8.25	8.25
180.0	9.42	9.25	8.95	8.66	8.49	8.37	8.25	8.13	7.96
225.0	9.36	9.01	8.72	8.54	8.37	8.31	8.19	7.96	8.08
270.0	9.54	9.42	9.07	8.78	8.60	8.37	8.25	8.13	8.02
315.0	9.48	9.31	9.01	8.72	8.54	8.37	8.19	8.13	8.02
360.0	9.66	9.42	9.31	8.95	8.72	8.54	8.37	8.25	8.19

Intensity data(cd)

C/γ(°)	90.0
0.0	8.02
45.0	8.19
90.0	8.08
135.0	8.02
180.0	8.08
225.0	8.02
270.0	8.08
315.0	8.02
360.0	8.02