



NATA LIGHTING CO.,LTD.
www.nata.cn
Email:info@nata.com
Tel:+86-750-3770000 Fax:+86 750 3771111
Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client:

LumCAT: 2-2519-L

Luminaire: 92.70.412.00

Report No: 2024815-B009

Ballast type: AC

Test No: 2024816-C009

Voltage(V): 34.790

LampCAT: BRIDGELUX V13B LES13

Current(A): 0.450

Lamp flux(lm): 2535.0

Power (W): 15.650

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2260.61, Efficiency(%): 89.18% , Luminous Efficacy(lm/W): 144.45

Central intensity(cd): 7313.349, Maximum intensity(cd): 7313.349

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=26.8

[C90/270]Total=26.8

Field angle(10%Imax): [C0/180]Total=57.4

[C90/270]Total=57.4

Maximum s/h(1/2): C0_180=0.45 C90_270=0.45

Maximum s/h(1/4): C0_180=0.49 C90_270=0.49

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 89.18%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.004%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/8/16
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	7313.349	0.000	0	0.00%	0.00%
1.0	7288.336	6.987	6.987	0.28%	0.31%
2.0	7203.237	20.800	27.786	0.82%	1.23%
3.0	7063.796	34.122	61.908	1.35%	2.74%
4.0	6909.321	46.772	108.681	1.85%	4.81%
5.0	6650.378	58.333	167.014	2.30%	7.39%
6.0	6391.988	68.541	235.555	2.70%	10.42%
7.0	6086.875	77.456	313.011	3.06%	13.85%
8.0	5740.252	84.644	397.656	3.34%	17.59%
9.0	5365.008	90.002	487.658	3.55%	21.57%
10.0	4959.594	93.434	581.092	3.69%	25.71%
11.0	4556.906	95.089	676.181	3.75%	29.91%
12.0	4162.365	95.314	771.495	3.76%	34.13%
13.0	3794.224	94.425	865.92	3.72%	38.30%
14.0	3451.779	92.748	958.668	3.66%	42.41%
15.0	3132.311	90.389	1049.057	3.57%	46.41%
16.0	2871.424	87.972	1137.029	3.47%	50.30%
17.0	2580.661	84.904	1221.932	3.35%	54.05%
18.0	2364.334	81.532	1303.465	3.22%	57.66%
19.0	2148.926	78.521	1381.986	3.10%	61.13%
20.0	1932.533	74.702	1456.688	2.95%	64.44%
21.0	1761.488	70.933	1527.621	2.80%	67.58%
22.0	1580.830	67.165	1594.786	2.65%	70.55%
23.0	1402.755	62.604	1657.39	2.47%	73.32%
24.0	1238.353	57.744	1715.134	2.28%	75.87%
25.0	1125.705	53.754	1768.887	2.12%	78.25%
26.0	1040.245	51.127	1820.015	2.02%	80.51%
27.0	920.823	47.978	1867.993	1.89%	82.63%
28.0	806.591	43.734	1911.727	1.73%	84.57%
29.0	698.904	39.388	1951.115	1.55%	86.31%
30.0	597.340	34.998	1986.114	1.38%	87.86%
31.0	502.859	30.617	2016.731	1.21%	89.21%
32.0	413.949	26.265	2042.996	1.04%	90.37%
33.0	331.111	21.950	2064.946	0.87%	91.34%
34.0	268.095	18.134	2083.079	0.72%	92.15%
35.0	223.975	15.282	2098.361	0.60%	92.82%
36.0	184.074	12.992	2111.354	0.51%	93.40%
37.0	135.204	10.413	2121.767	0.41%	93.86%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	120.046	8.520	2130.287	0.34%	94.24%
39.0	106.078	7.718	2138.005	0.30%	94.58%
40.0	95.224	7.021	2145.026	0.28%	94.89%
41.0	84.862	6.413	2151.438	0.25%	95.17%
42.0	76.991	5.880	2157.319	0.23%	95.43%
43.0	69.218	5.416	2162.735	0.21%	95.67%
44.0	61.557	4.936	2167.671	0.19%	95.89%
45.0	56.354	4.531	2172.202	0.18%	96.09%
46.0	51.110	4.203	2176.405	0.17%	96.28%
47.0	46.577	3.885	2180.29	0.15%	96.45%
48.0	42.825	3.614	2183.904	0.14%	96.61%
49.0	39.428	3.378	2187.282	0.13%	96.76%
50.0	36.406	3.162	2190.444	0.12%	96.90%
51.0	33.798	2.970	2193.414	0.12%	97.03%
52.0	31.682	2.810	2196.224	0.11%	97.15%
53.0	29.691	2.670	2198.893	0.11%	97.27%
54.0	28.344	2.558	2201.451	0.10%	97.38%
55.0	26.945	2.468	2203.919	0.10%	97.49%
56.0	25.946	2.390	2206.309	0.09%	97.60%
57.0	25.263	2.341	2208.651	0.09%	97.70%
58.0	24.560	2.304	2210.955	0.09%	97.80%
59.0	24.054	2.273	2213.228	0.09%	97.90%
60.0	23.739	2.258	2215.485	0.09%	98.00%
61.0	23.509	2.255	2217.74	0.09%	98.10%
62.0	23.476	2.264	2220.004	0.09%	98.20%
63.0	23.607	2.290	2222.294	0.09%	98.31%
64.0	23.844	2.328	2224.622	0.09%	98.41%
65.0	23.870	2.361	2226.984	0.09%	98.51%
66.0	24.120	2.394	2229.378	0.09%	98.62%
67.0	24.264	2.433	2231.811	0.10%	98.73%
68.0	24.106	2.450	2234.261	0.10%	98.83%
69.0	24.014	2.455	2236.716	0.10%	98.94%
70.0	23.587	2.445	2239.161	0.10%	99.05%
71.0	22.937	2.405	2241.566	0.09%	99.16%
72.0	21.873	2.330	2243.896	0.09%	99.26%
73.0	20.742	2.228	2246.124	0.09%	99.36%
74.0	19.218	2.101	2248.225	0.08%	99.45%
75.0	17.470	1.938	2250.163	0.08%	99.54%

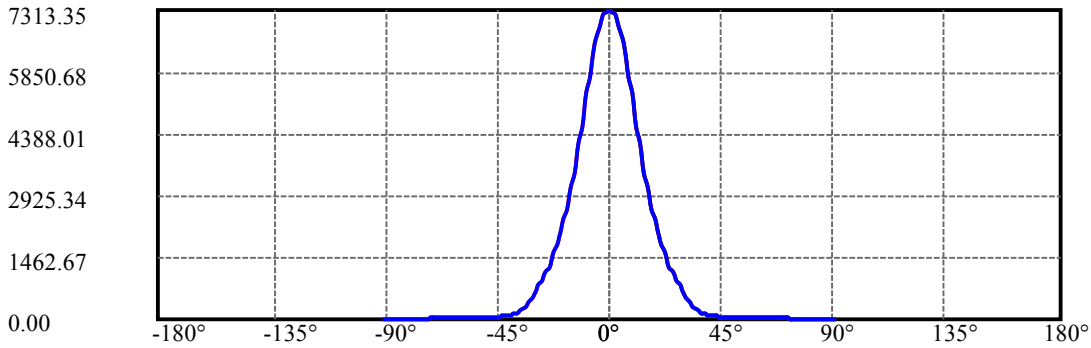
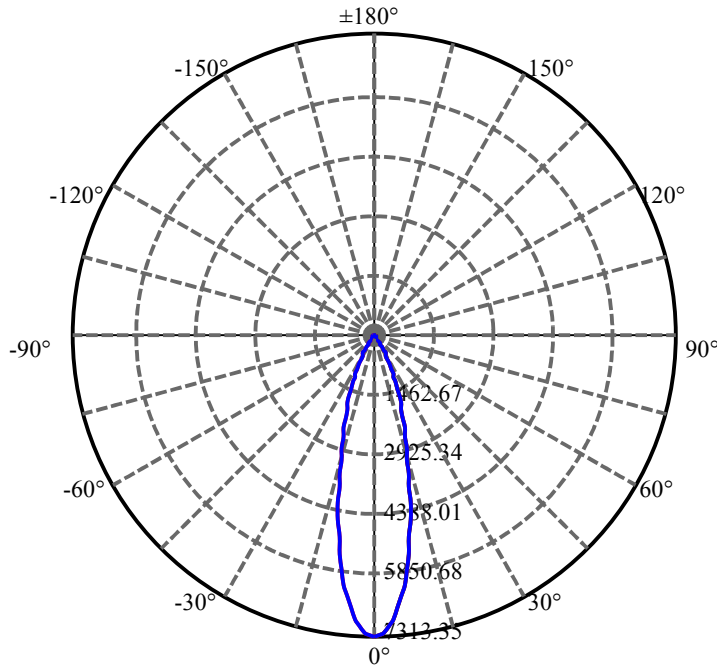
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	14.901	1.718	2251.882	0.07%	99.61%
77.0	12.700	1.472	2253.353	0.06%	99.68%
78.0	11.025	1.270	2254.623	0.05%	99.74%
79.0	8.771	1.064	2255.687	0.04%	99.78%
80.0	7.280	0.865	2256.552	0.03%	99.82%
81.0	6.025	0.720	2257.272	0.03%	99.85%
82.0	4.895	0.592	2257.864	0.02%	99.88%
83.0	4.238	0.496	2258.361	0.02%	99.90%
84.0	3.693	0.432	2258.793	0.02%	99.92%
85.0	3.298	0.382	2259.174	0.02%	99.94%
86.0	2.989	0.344	2259.518	0.01%	99.95%
87.0	2.700	0.311	2259.829	0.01%	99.97%
88.0	2.464	0.283	2260.112	0.01%	99.98%
89.0	2.221	0.257	2260.369	0.01%	99.99%
90.0	2.089	0.236	2260.605	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1986.11	78.35%	87.86%
0-40	2145.03	84.62%	94.89%
0-60	2215.49	87.40%	98.00%
0-90	2260.37	89.17%	99.99%
0-120	2260.37	89.17%	99.99%
0-180	2260.61	89.18%	100.00%
60-90	44.88	1.77%	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%
0-25.77	1808.48	71.34%	80.00%

ZONAL LUMEN SUMMARY

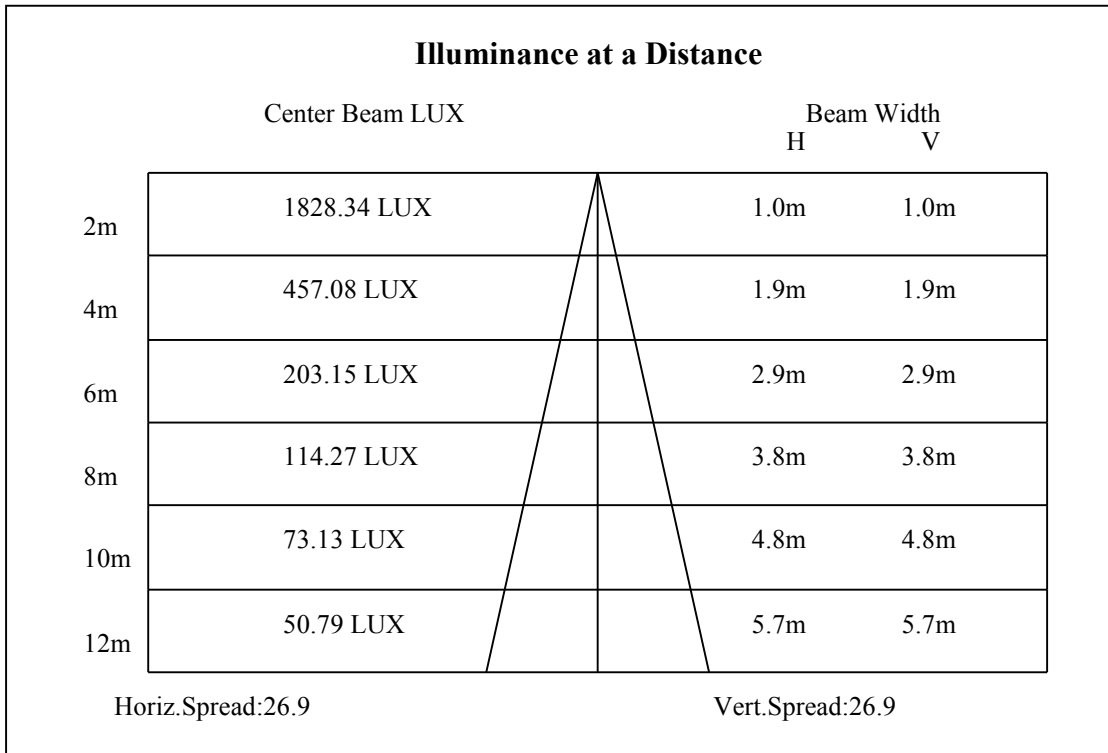
0-10	581.09
10-20	875.60
20-30	529.43
30-40	158.91
40-50	45.42
50-60	25.04
60-70	23.68
70-80	17.39
80-90	3.82
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

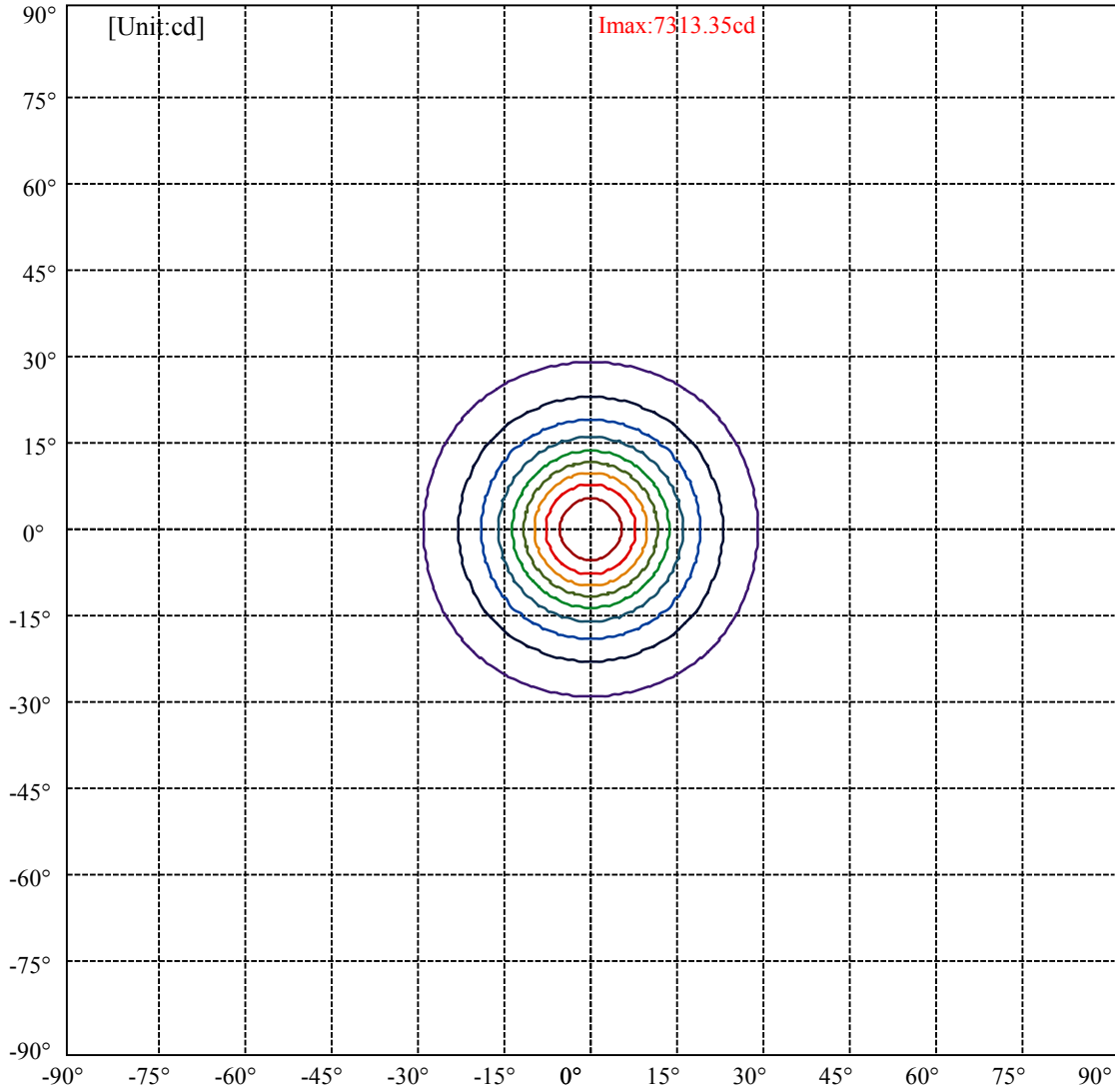


C0(Max): ———
C0/C180: ———
C90/C270: ———

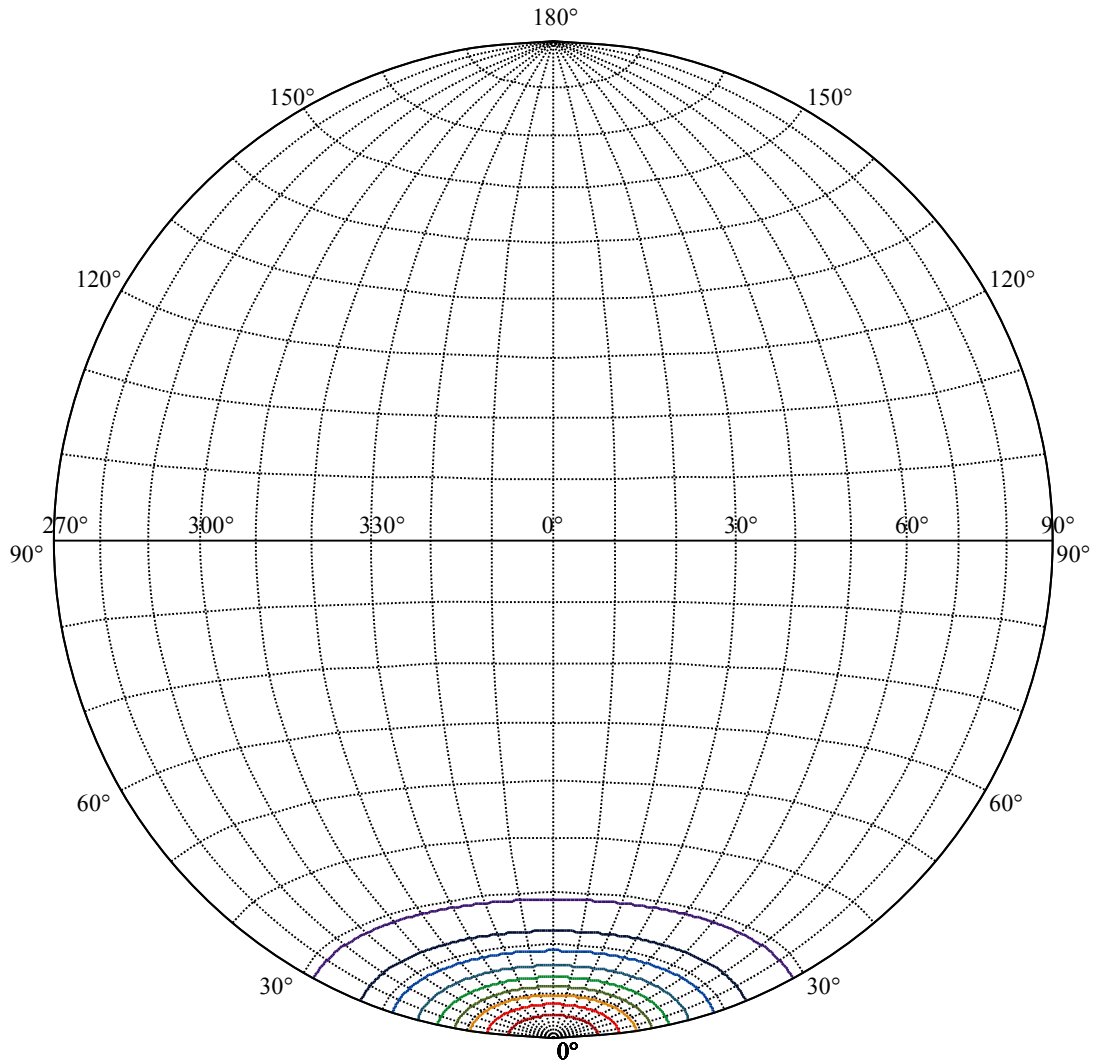
Field angle(10%Imax):C0/180Left:28.7 Right:28.7
:C90/270Left:28.7 Right:28.7

Beam Angle(50%Imax):C0/180Left:13.4 Right:13.4
:C90/270Left:13.4 Right:13.4





(10%Imax) 731.335	—
(20%Imax) 1462.67	—
(30%Imax) 2194	—
(40%Imax) 2925.34	—
(50%Imax) 3656.67	—
(60%Imax) 4388.01	—
(70%Imax) 5119.34	—
(80%Imax) 5850.68	—
(90%Imax) 6582.01	—



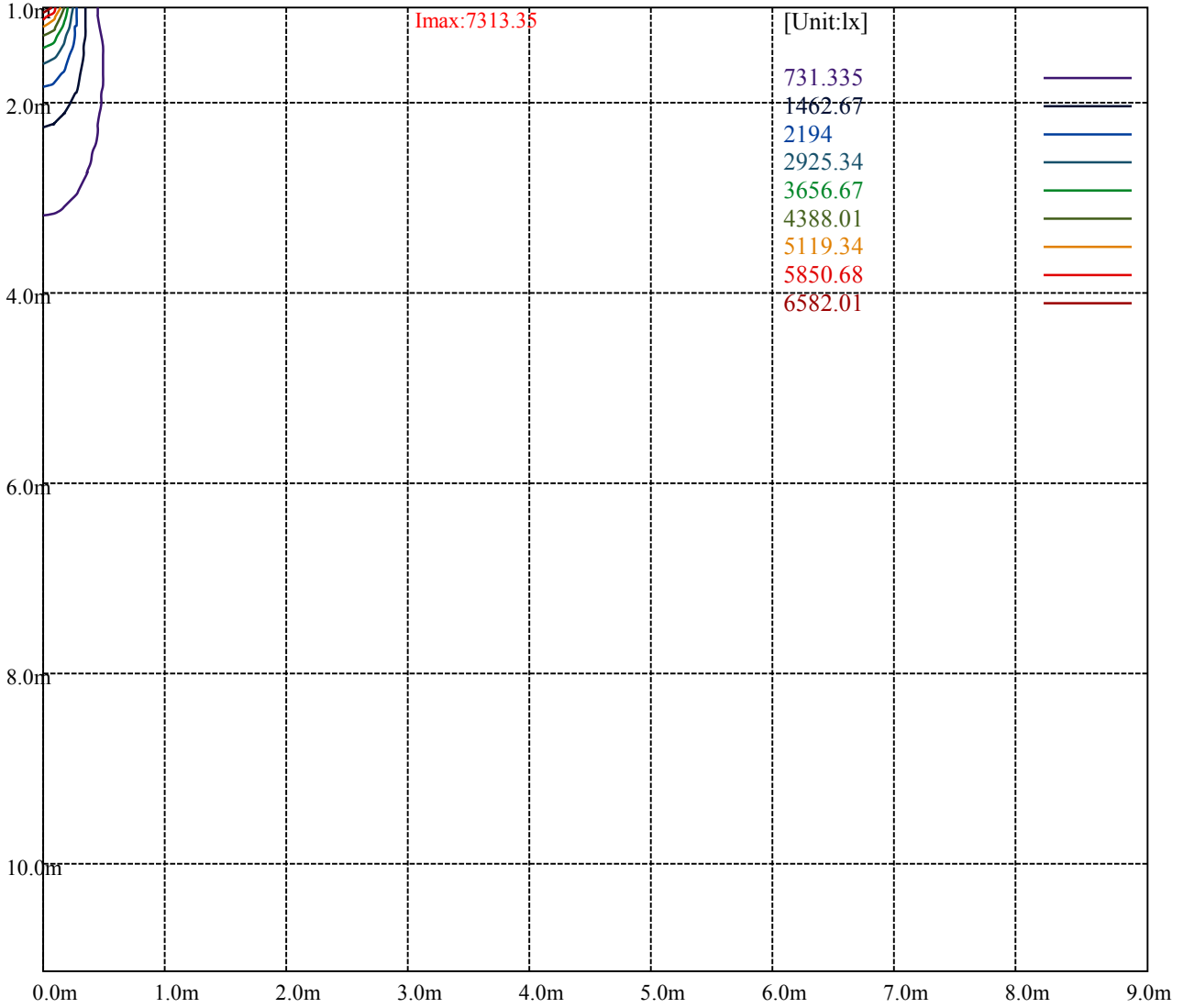
House

[Unit:cd]

Road

Imax:7313.35

(10%Imax) 731.335	—
(20%Imax) 1462.67	—
(30%Imax) 2194	—
(40%Imax) 2925.34	—
(50%Imax) 3656.67	—
(60%Imax) 4388.01	—
(70%Imax) 5119.34	—
(80%Imax) 5850.68	—
(90%Imax) 6582.01	—



Luminance Table

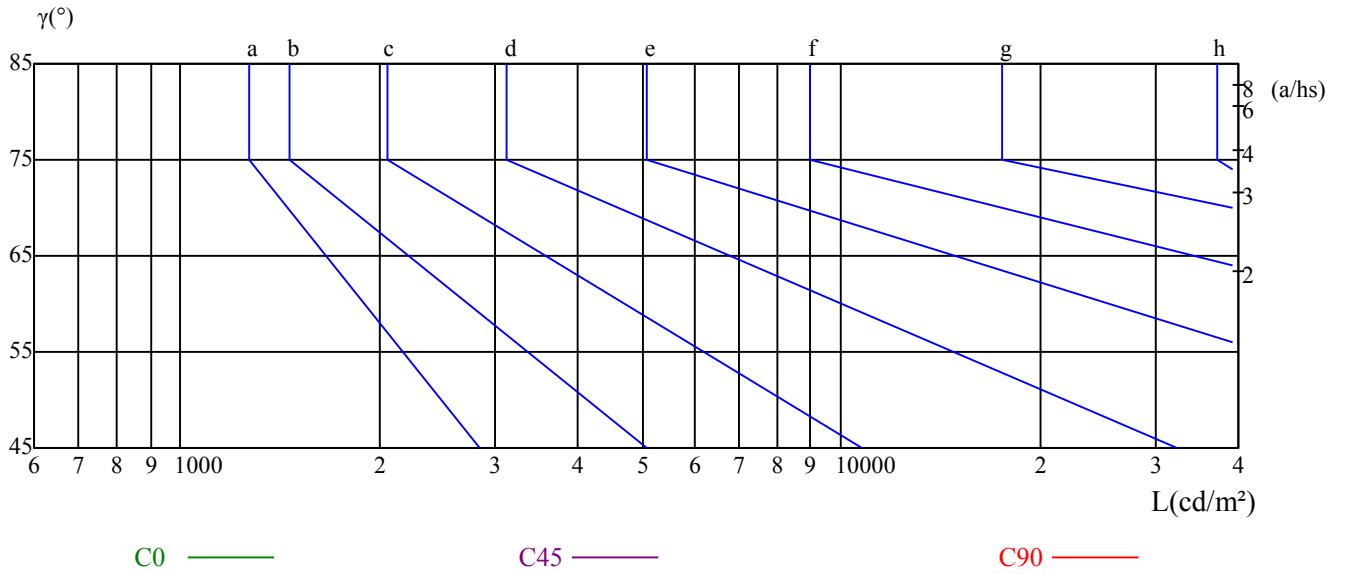
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

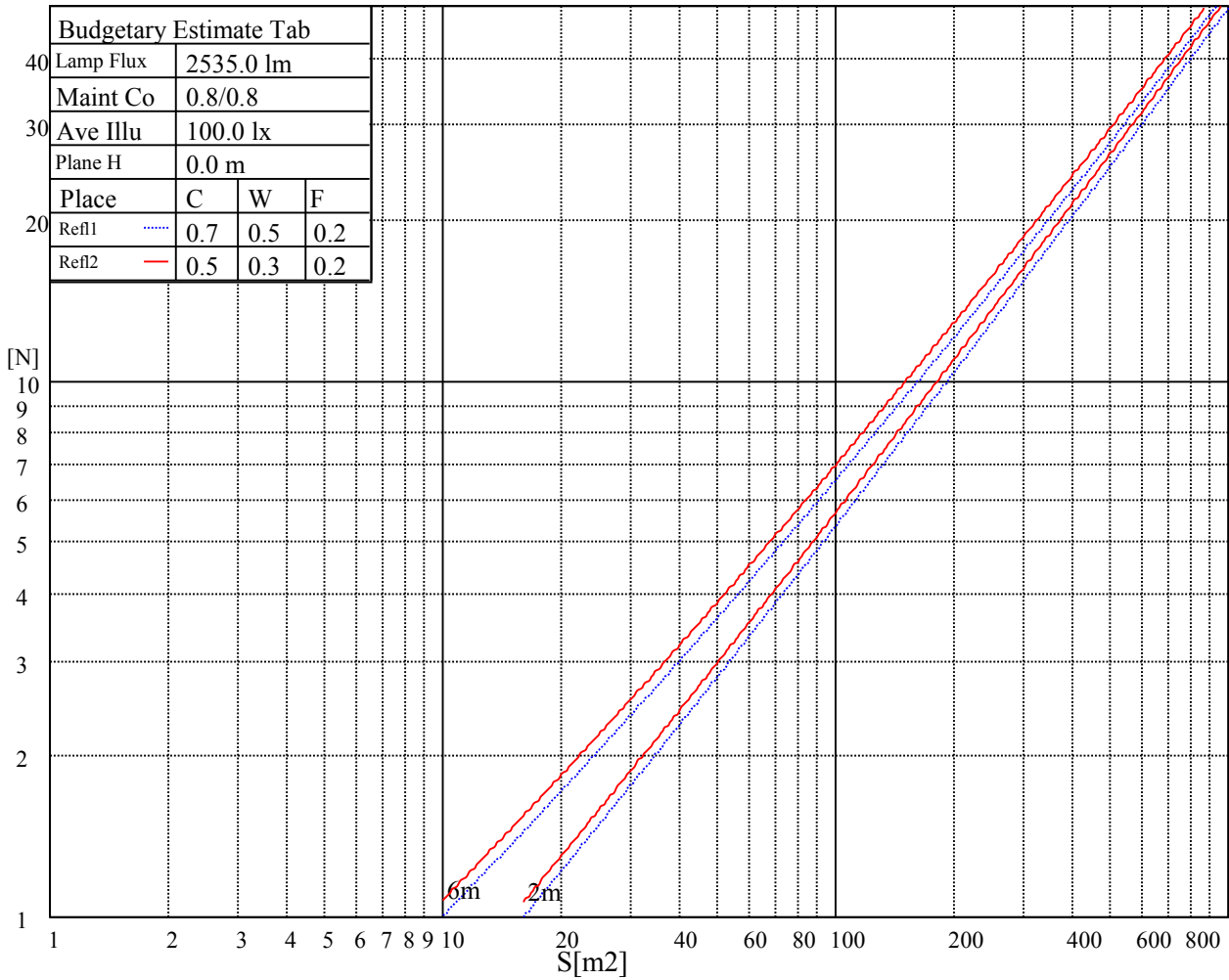
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

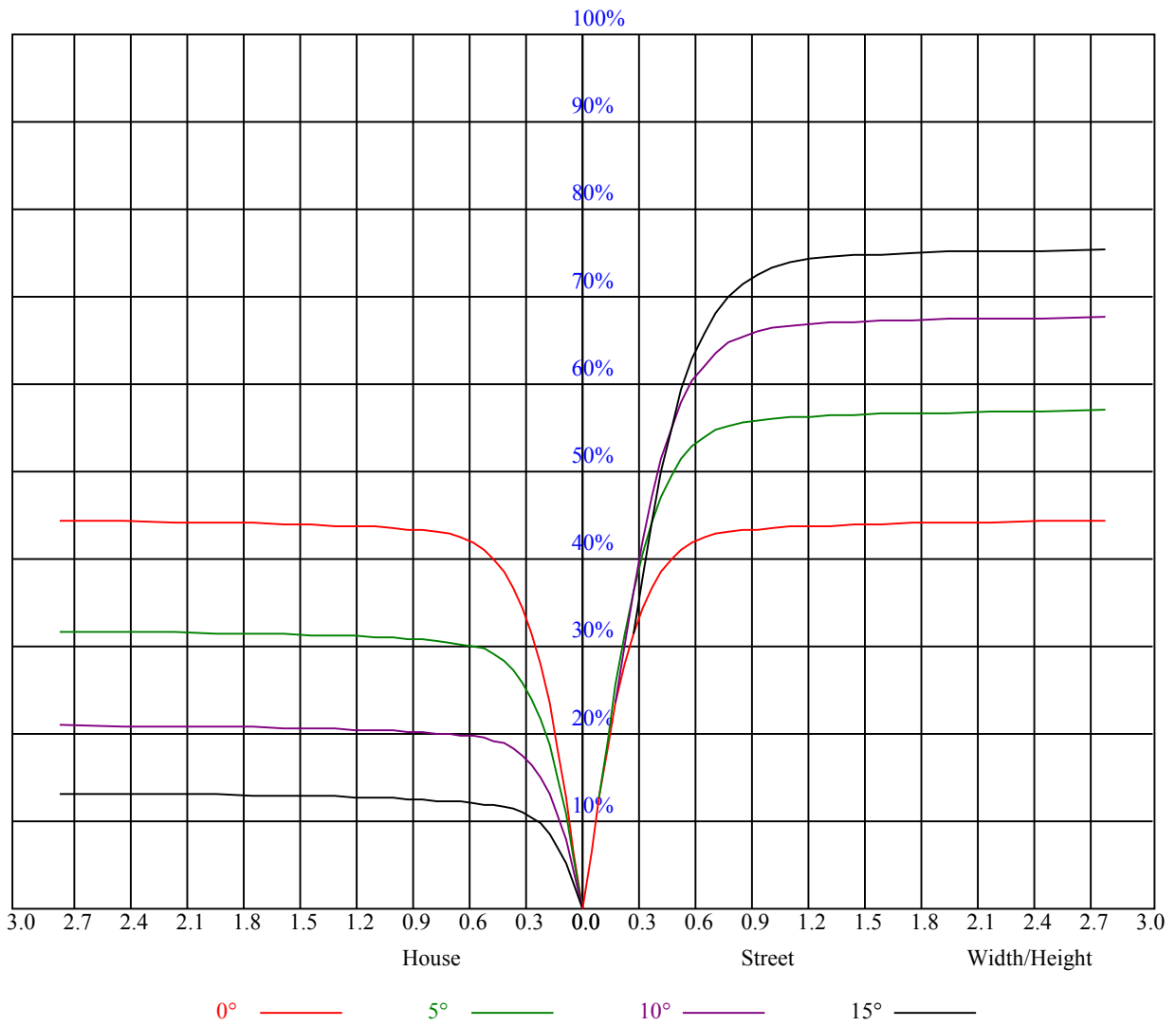


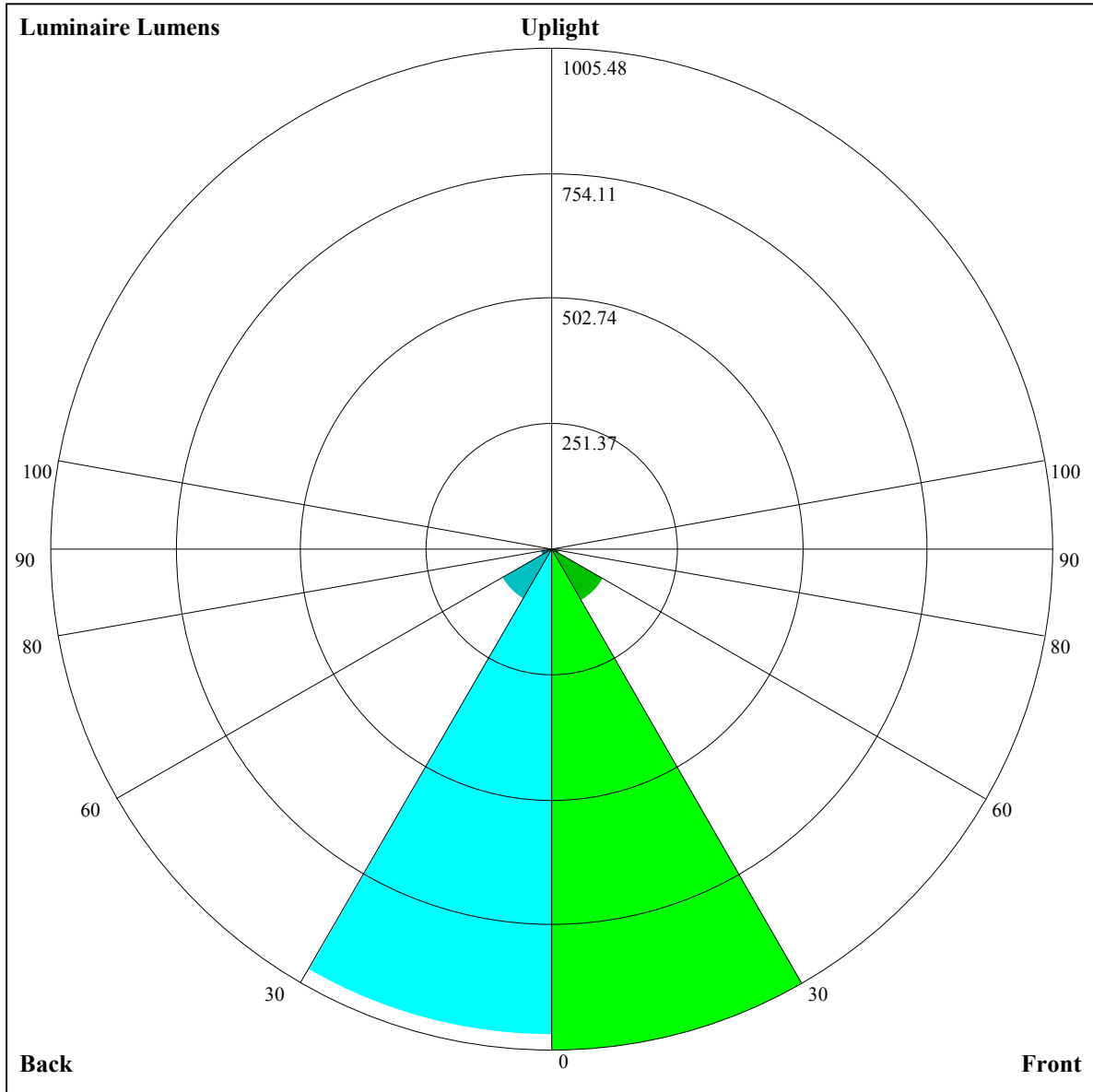
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
	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	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	
	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	
8H	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	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	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	1.06	1.06	1.06	1.04	1.04	1.04	0.99	0.99	0.99	0.95	0.95	0.95	0.91	0.91	0.91	0.89
1	1.00	0.98	0.96	0.98	0.96	0.94	0.94	0.93	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85
2	0.94	0.91	0.88	0.92	0.90	0.87	0.90	0.87	0.85	0.87	0.85	0.84	0.85	0.83	0.82	0.80
3	0.89	0.85	0.82	0.88	0.84	0.82	0.86	0.83	0.80	0.83	0.81	0.79	0.82	0.80	0.78	0.77
4	0.85	0.81	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.73
5	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
6	0.77	0.73	0.70	0.77	0.73	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.70	0.68	0.67
7	0.74	0.70	0.67	0.74	0.69	0.67	0.73	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.65
8	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.62
9	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.59	0.58





Luminaire Lumens:

FL=1005.48,FM=117.78,FH=17.16,FVH=1.93

BL=976.89,BM=114.58,BH=24.43,BVH=2.27

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	7345.92	7333.68	7210.52	7060.09	6936.41	6571.47	6391.49	6065.03	5713.44
45.0	7299.14	7329.79	7311.97	7237.28	7085.74	6887.95	6650.05	6365.90	6034.91
90.0	7284.11	7192.71	7077.38	6897.99	6688.47	6397.07	5986.45	5700.61	5316.75
135.0	7324.22	7296.36	7201.64	7013.31	6881.27	6630.55	6342.45	6010.94	5667.76
180.0	7345.92	7336.99	7247.90	7107.45	6936.41	6734.73	6477.86	6158.06	5811.52
225.0	7299.14	7190.50	7043.95	6851.15	6715.75	6341.93	6150.81	5824.87	5454.36
270.0	7284.11	7318.07	7284.64	7189.39	7042.85	6866.19	6633.86	6360.85	6052.73
315.0	7324.22	7308.61	7247.90	7153.70	6987.66	6773.15	6502.93	6208.74	5870.55
360.0	7345.92	7333.68	7210.52	7060.09	6936.41	6571.47	6391.49	6065.03	5713.44
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5327.89	4908.34	4494.93	4102.14	3738.30	3400.11	3089.20	2805.05	2550.96
45.0	5664.40	5254.88	4848.73	4449.26	4065.34	3697.61	3357.75	3169.99	2745.44
90.0	4912.81	4499.40	4122.16	3749.44	3419.03	3115.96	2827.34	2579.40	2340.92
135.0	5278.85	4883.27	4470.97	4091.52	3736.09	3410.15	3113.17	2843.47	2578.30
180.0	5452.68	5043.16	4639.22	4236.96	3858.67	3519.90	3190.60	2969.99	2652.41
225.0	5070.49	4658.72	4259.24	3870.91	3513.75	3188.91	2890.31	2619.50	2362.68
270.0	5706.76	5327.31	4927.26	4514.96	4121.64	3753.33	3393.96	3078.06	2790.02
315.0	5506.18	5101.66	4692.73	4283.74	3900.98	3528.26	3196.17	2905.92	2624.55
360.0	5327.89	4908.34	4494.93	4102.14	3738.30	3400.11	3089.20	2805.05	2550.96
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2315.33	2100.82	1903.03	1715.22	1610.52	1380.40	1095.98	1046.94	1046.94
45.0	2589.96	2344.81	2118.06	1916.38	1722.47	1543.08	1378.71	1233.27	1106.81
90.0	2118.64	1928.10	1748.65	1580.97	1418.82	1283.42	1067.81	1067.81	996.69
135.0	2337.61	2125.89	1965.42	1736.98	1552.01	1416.61	1246.10	1156.95	1040.53
180.0	2411.67	2235.06	1981.55	1830.02	1655.09	1482.37	1327.47	1201.00	1073.96
225.0	2131.99	1914.17	1711.33	1527.47	1355.32	1065.65	1065.65	985.34	856.93
270.0	2631.75	2385.50	2069.60	1943.13	1749.23	1569.83	1402.10	1253.93	1139.71
315.0	2377.72	2157.06	1962.63	1841.74	1583.18	1480.69	1323.00	1060.40	1060.40
360.0	2315.33	2100.82	1903.03	1715.22	1610.52	1380.40	1095.98	1046.94	1046.94
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	930.83	811.09	704.81	600.26	505.18	411.98	325.05	245.94	184.02
45.0	991.49	888.41	778.08	677.27	582.55	497.29	411.46	331.25	301.71
90.0	879.42	767.47	665.18	562.10	469.54	375.77	291.83	217.77	163.31
135.0	924.05	806.52	697.29	593.12	493.40	403.10	317.90	302.29	220.92
180.0	945.81	828.81	717.37	613.72	517.90	426.54	339.61	292.25	292.25
225.0	746.33	650.30	558.53	471.43	390.80	316.95	250.20	197.79	162.68
270.0	1014.88	890.09	771.99	666.65	566.36	475.01	385.86	305.60	275.53
315.0	933.77	810.04	697.98	594.17	497.14	404.94	326.99	251.88	191.38
360.0	930.83	811.09	704.81	600.26	505.18	411.98	325.05	245.94	184.02
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	145.55	126.36	111.64	98.76	88.04	78.84	73.64	66.07	56.77
45.0	301.71	166.04	138.55	121.31	106.70	94.19	84.05	74.80	66.60
90.0	135.24	119.84	106.18	94.45	86.04	75.22	68.80	61.60	54.30
135.0	141.81	129.83	116.27	99.19	92.93	83.15	74.32	67.17	60.81
180.0	168.25	142.18	126.78	112.12	99.40	88.83	79.47	71.49	64.44
225.0	142.02	125.89	111.80	100.18	89.46	79.84	74.85	67.49	58.82
270.0	275.53	144.55	130.67	116.64	104.23	93.40	83.78	75.48	67.86
315.0	162.47	126.94	118.48	105.97	94.98	85.41	77.00	69.65	62.86
360.0	145.55	126.36	111.64	98.76	88.04	78.84	73.64	66.07	56.77

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	53.40	48.36	43.78	39.89	36.48	33.53	31.06	28.96	27.12
45.0	59.66	53.72	48.36	43.78	39.68	36.32	33.27	31.64	28.70
90.0	49.99	44.99	40.95	37.37	34.32	31.80	29.80	27.86	26.07
135.0	55.24	50.14	45.83	42.37	39.11	35.95	33.32	30.96	28.80
180.0	58.61	53.61	49.36	45.83	42.58	39.58	36.79	34.43	32.38
225.0	55.72	50.67	46.73	43.78	40.79	38.00	35.43	33.53	32.06
270.0	61.03	55.40	50.30	46.04	42.37	38.95	36.27	33.90	32.01
315.0	57.19	51.98	47.31	43.52	40.11	37.11	34.43	32.17	30.38
360.0	53.40	48.36	43.78	39.89	36.48	33.53	31.06	28.96	27.12
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.60	24.28	23.07	21.87	20.87	19.71	18.45	17.29	16.24
45.0	27.39	25.65	23.65	22.71	21.29	20.08	19.03	17.82	16.98
90.0	24.65	23.44	22.18	20.97	19.76	18.40	17.08	15.82	14.45
135.0	26.91	25.44	24.23	22.86	21.81	20.87	19.61	18.82	18.13
180.0	30.64	29.12	28.17	27.70	27.28	27.33	27.49	28.12	29.07
225.0	31.33	31.01	31.17	31.80	32.75	33.32	35.22	36.37	37.58
270.0	31.01	29.22	28.75	28.54	28.28	28.44	29.22	30.28	31.48
315.0	29.22	27.39	26.33	25.65	24.44	24.28	23.81	23.55	23.86
360.0	25.60	24.28	23.07	21.87	20.87	19.71	18.45	17.29	16.24
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.51	14.45	13.25	12.72	12.04	11.51	11.20	10.78	10.25
45.0	15.93	14.72	13.67	12.88	11.93	10.88	10.04	9.46	8.67
90.0	13.40	12.72	11.46	10.99	10.20	9.46	8.88	8.30	7.73
135.0	17.29	16.98	16.71	16.66	16.71	16.87	16.98	16.61	15.03
180.0	30.12	31.48	32.80	33.85	34.64	34.90	34.80	34.27	33.80
225.0	38.84	40.16	40.58	41.21	42.05	41.79	43.05	43.21	43.68
270.0	33.17	35.01	36.64	38.16	39.42	40.32	40.58	40.53	40.21
315.0	24.60	25.23	25.86	26.49	27.12	27.12	26.60	25.55	24.13
360.0	15.51	14.45	13.25	12.72	12.04	11.51	11.20	10.78	10.25
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	9.41	8.46	7.57	6.73	6.10	5.68	5.20	4.73	4.36
45.0	8.09	7.73	7.04	6.57	6.10	5.68	5.15	4.78	4.47
90.0	7.25	6.68	6.15	5.73	5.26	4.84	4.52	4.10	3.73
135.0	13.61	12.40	11.51	10.25	8.73	7.46	6.25	5.52	5.10
180.0	33.27	31.70	29.07	25.18	20.81	17.14	14.09	12.46	8.57
225.0	41.73	39.89	35.90	32.75	28.28	24.02	20.13	14.24	11.04
270.0	39.58	38.53	37.32	36.11	30.96	26.39	23.86	17.35	14.72
315.0	22.02	20.55	19.19	16.45	12.98	10.41	8.99	6.99	6.25
360.0	9.41	8.46	7.57	6.73	6.10	5.68	5.20	4.73	4.36
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	4.05	3.68	3.31	2.94	2.68	2.42	2.16	1.94	1.73
45.0	4.10	3.63	3.26	2.89	2.52	2.21	1.94	1.68	1.42
90.0	3.36	3.10	2.79	2.52	2.26	2.00	1.79	1.58	1.37
135.0	4.52	4.15	3.89	3.47	3.15	2.89	2.63	2.42	2.16
180.0	7.57	5.68	4.73	4.36	3.89	3.57	3.21	3.00	2.73
225.0	7.88	5.73	4.94	4.31	3.89	3.57	3.15	2.94	2.84
270.0	11.46	8.30	6.41	4.94	4.31	3.94	3.63	3.31	3.00
315.0	5.26	4.89	4.57	4.10	3.68	3.31	3.10	2.84	2.52
360.0	4.05	3.68	3.31	2.94	2.68	2.42	2.16	1.94	1.73

Intensity data(cd)

C/ γ (°)	90.0
0.0	1.68
45.0	1.31
90.0	1.42
135.0	1.94
180.0	2.47
225.0	2.63
270.0	2.84
315.0	2.42
360.0	1.68