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## Nata

Client:

LumCAT: 2-2751-L

Luminaire: 92.70.411.00

Report No: 2024910-B010

Ballast type: AC

Test No: 2024910-C010

Voltage(V): 33.830

LampCAT: NICHIA NFCWJ120B-V3

Current(A): 0.580

Lamp flux(lm): 2597.0

Power (W): 19.620

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

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## Photometric Results

Lumens(lm): 2439.35, Efficiency(%): 93.93% , Luminous Efficacy(lm/W): 124.33

Central intensity(cd): 11775.160, Maximum intensity(cd): 11882.240

Angle of maximum intensity: C=0.0  $\gamma$ =1.0

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

[C90/270]Total=18.6

Field angle(10%Imax): [C0/180]Total=48.4

[C90/270]Total=48.4

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

Maximum s/h(1/4): C0\_180=0.35 C90\_270=0.35

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 93.93%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.059%

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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2024/9/10  
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	11775.156	0.000	0	0.00%	0.00%
1.0	11882.239	11.320	11.32	0.44%	0.46%
2.0	11592.686	33.693	45.013	1.30%	1.85%
3.0	11114.748	54.309	99.322	2.09%	4.07%
4.0	10620.752	72.756	172.077	2.80%	7.05%
5.0	9841.730	88.029	260.106	3.39%	10.66%
6.0	9036.361	99.209	359.315	3.82%	14.73%
7.0	8092.595	106.319	465.634	4.09%	19.09%
8.0	7185.957	109.346	574.98	4.21%	23.57%
9.0	6195.043	108.446	683.426	4.18%	28.02%
10.0	5413.826	105.056	788.482	4.05%	32.32%
11.0	4698.496	101.043	889.525	3.89%	36.47%
12.0	4061.938	95.764	985.289	3.69%	40.39%
13.0	3598.731	90.913	1076.202	3.50%	44.12%
14.0	3199.249	87.014	1163.215	3.35%	47.69%
15.0	2910.287	83.874	1247.09	3.23%	51.12%
16.0	2554.538	80.075	1327.165	3.08%	54.41%
17.0	2306.285	75.696	1402.861	2.91%	57.51%
18.0	2066.357	72.095	1474.956	2.78%	60.47%
19.0	1909.799	69.177	1544.133	2.66%	63.30%
20.0	1697.966	66.032	1610.165	2.54%	66.01%
21.0	1546.560	62.301	1672.467	2.40%	68.56%
22.0	1427.867	59.772	1732.239	2.30%	71.01%
23.0	1291.329	57.056	1789.295	2.20%	73.35%
24.0	1211.185	54.714	1844.009	2.11%	75.59%
25.0	1111.861	52.821	1896.83	2.03%	77.76%
26.0	1053.175	51.106	1947.936	1.97%	79.85%
27.0	972.991	49.571	1997.506	1.91%	81.89%
28.0	905.363	47.556	2045.062	1.83%	83.84%
29.0	825.284	45.279	2090.341	1.74%	85.69%
30.0	742.577	42.332	2132.673	1.63%	87.43%
31.0	665.027	39.172	2171.844	1.51%	89.03%
32.0	578.812	35.635	2207.479	1.37%	90.49%
33.0	495.356	31.645	2239.124	1.22%	91.79%
34.0	414.685	27.541	2266.665	1.06%	92.92%
35.0	349.462	23.732	2290.396	0.91%	93.89%
36.0	288.364	20.309	2310.705	0.78%	94.73%
37.0	208.430	16.203	2326.908	0.62%	95.39%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	167.247	12.540	2339.447	0.48%	95.90%
39.0	120.716	9.829	2349.276	0.38%	96.31%
40.0	101.492	7.750	2357.026	0.30%	96.63%
41.0	67.490	6.017	2363.043	0.23%	96.87%
42.0	57.983	4.559	2367.602	0.18%	97.06%
43.0	50.480	4.018	2371.62	0.15%	97.22%
44.0	45.486	3.622	2375.242	0.14%	97.37%
45.0	41.905	3.359	2378.6	0.13%	97.51%
46.0	38.725	3.153	2381.754	0.12%	97.64%
47.0	36.143	2.978	2384.731	0.11%	97.76%
48.0	33.844	2.829	2387.561	0.11%	97.88%
49.0	31.912	2.700	2390.261	0.10%	97.99%
50.0	30.296	2.594	2392.855	0.10%	98.09%
51.0	28.798	2.500	2395.355	0.10%	98.20%
52.0	27.694	2.424	2397.779	0.09%	98.30%
53.0	26.912	2.375	2400.154	0.09%	98.39%
54.0	26.275	2.344	2402.499	0.09%	98.49%
55.0	25.894	2.329	2404.827	0.09%	98.58%
56.0	25.572	2.326	2407.153	0.09%	98.68%
57.0	25.355	2.328	2409.481	0.09%	98.78%
58.0	24.967	2.327	2411.808	0.09%	98.87%
59.0	24.415	2.309	2414.117	0.09%	98.97%
60.0	23.620	2.269	2416.386	0.09%	99.06%
61.0	22.497	2.201	2418.587	0.08%	99.15%
62.0	20.874	2.090	2420.677	0.08%	99.23%
63.0	19.001	1.939	2422.616	0.07%	99.31%
64.0	17.057	1.769	2424.386	0.07%	99.39%
65.0	14.777	1.575	2425.961	0.06%	99.45%
66.0	12.819	1.377	2427.338	0.05%	99.51%
67.0	11.110	1.203	2428.541	0.05%	99.56%
68.0	9.573	1.048	2429.589	0.04%	99.60%
69.0	8.587	0.926	2430.515	0.04%	99.64%
70.0	7.694	0.836	2431.352	0.03%	99.67%
71.0	7.063	0.763	2432.114	0.03%	99.70%
72.0	6.505	0.705	2432.82	0.03%	99.73%
73.0	6.071	0.658	2433.477	0.03%	99.76%
74.0	5.670	0.617	2434.095	0.02%	99.78%
75.0	5.283	0.579	2434.673	0.02%	99.81%

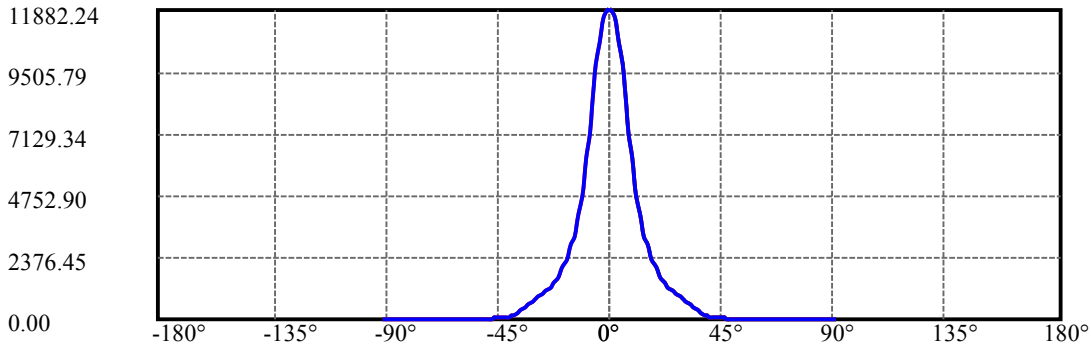
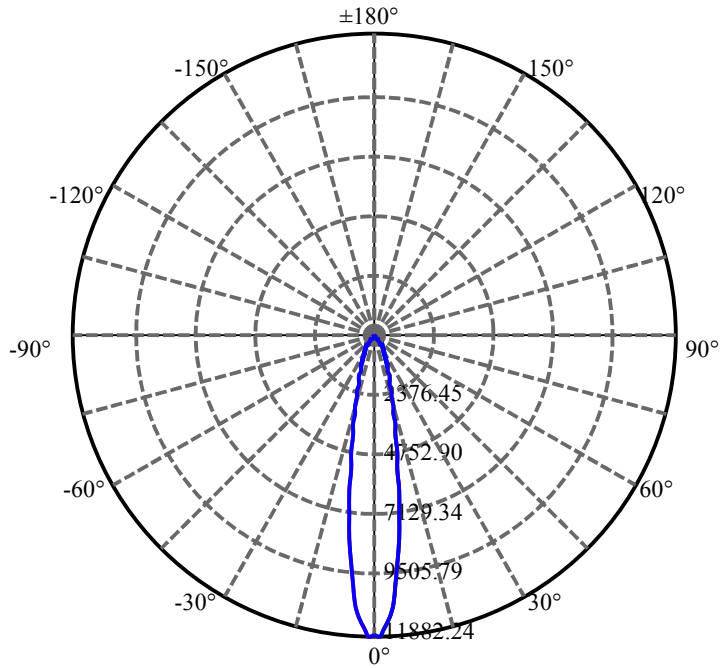
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.954	0.543	2435.217	0.02%	99.83%
77.0	4.619	0.510	2435.727	0.02%	99.85%
78.0	4.277	0.476	2436.203	0.02%	99.87%
79.0	3.949	0.442	2436.645	0.02%	99.89%
80.0	3.601	0.407	2437.052	0.02%	99.91%
81.0	3.311	0.374	2437.426	0.01%	99.92%
82.0	2.950	0.340	2437.766	0.01%	99.94%
83.0	2.622	0.303	2438.068	0.01%	99.95%
84.0	2.293	0.268	2438.336	0.01%	99.96%
85.0	1.997	0.234	2438.57	0.01%	99.97%
86.0	1.728	0.204	2438.774	0.01%	99.98%
87.0	1.498	0.177	2438.951	0.01%	99.98%
88.0	1.248	0.150	2439.101	0.01%	99.99%
89.0	1.104	0.129	2439.23	0.00%	100.00%
90.0	1.005	0.116	2439.346	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2132.67	82.12%	87.43%
0-40	2357.03	90.76%	96.63%
0-60	2416.39	93.05%	99.06%
0-90	2439.23	93.92%	100.00%
0-120	2439.23	93.92%	100.00%
0-180	2439.35	93.93%	100.00%
60-90	22.84	0.88%	0.94%
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%
0-26.07	1951.48	75.14%	80.00%

ZONAL LUMEN SUMMARY

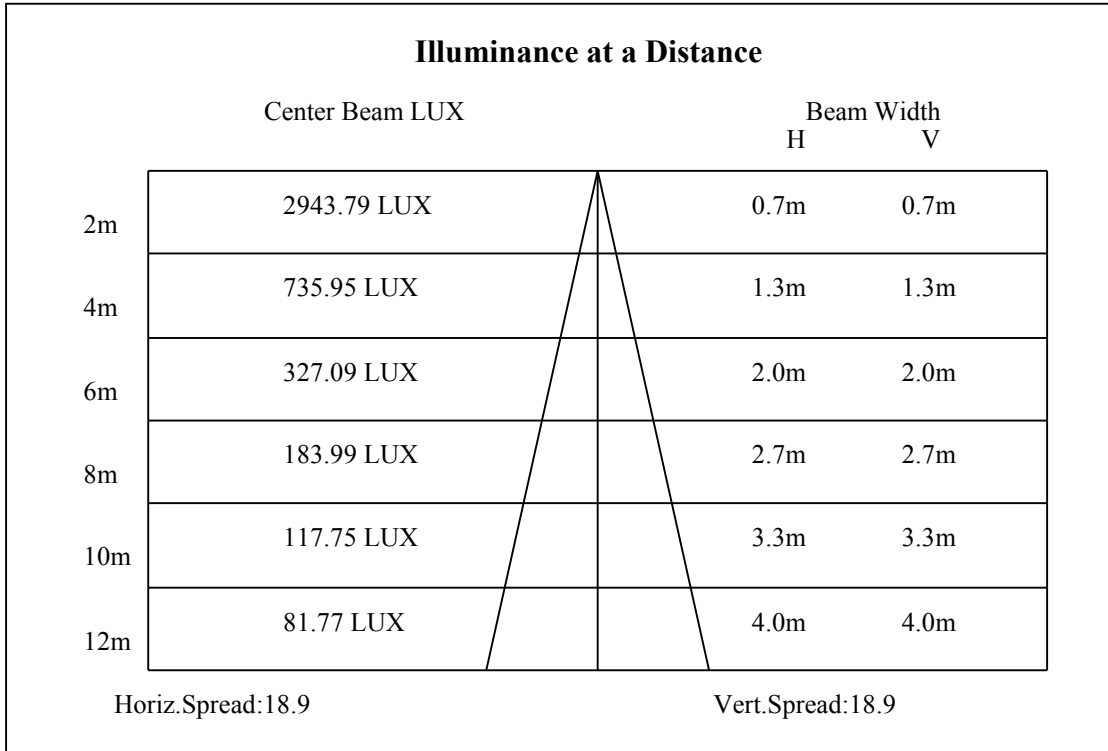
0-10	788.48
10-20	821.68
20-30	522.51
30-40	224.35
40-50	35.83
50-60	23.53
60-70	14.97
70-80	5.70
80-90	2.18
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

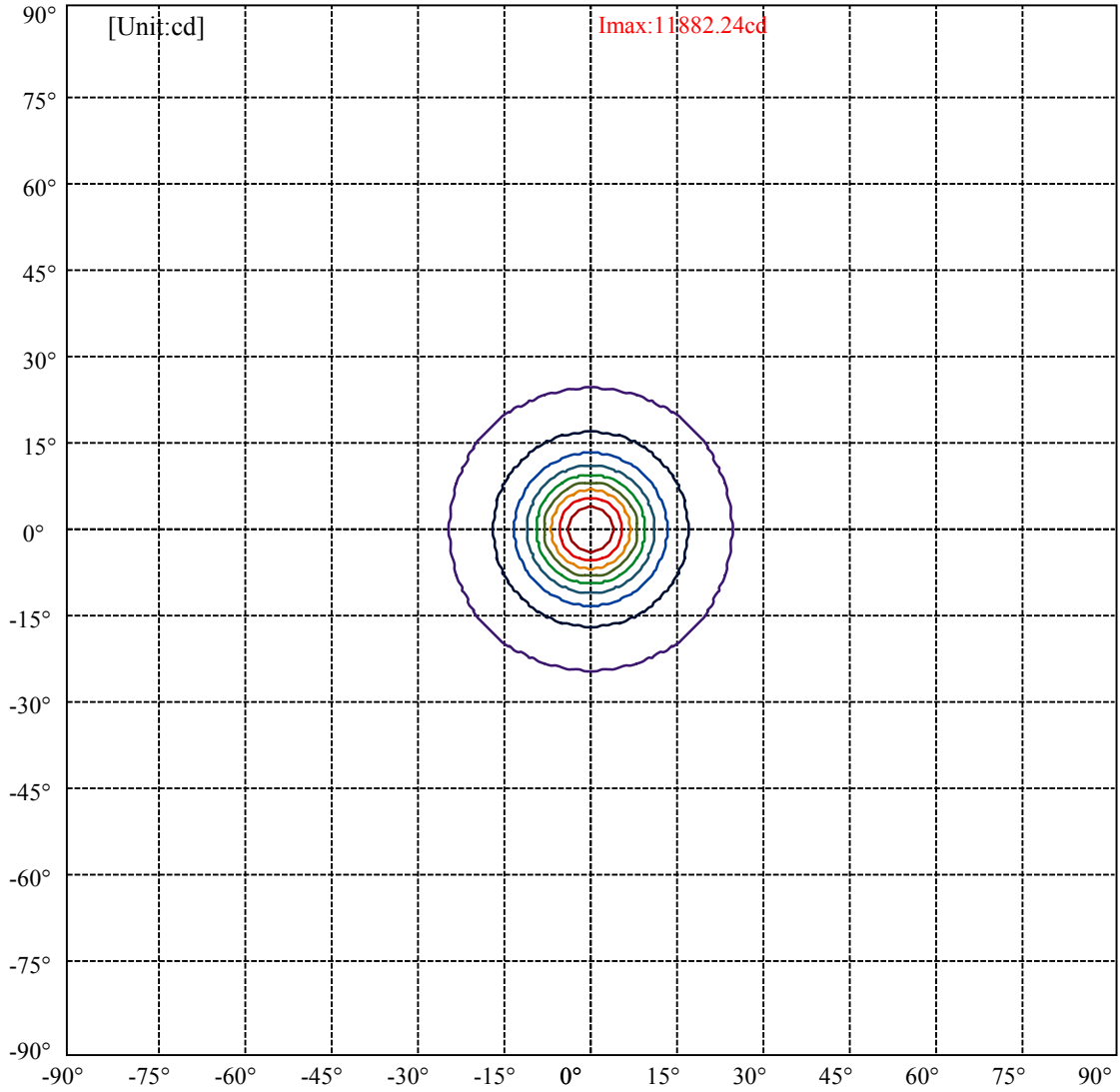


C0(Max): —————  
C0/C180: —————  
C90/C270: —————

Field angle(10%Imax):C0/180Left:25.2 Right:23.2  
:C90/270Left:25.2 Right:23.2

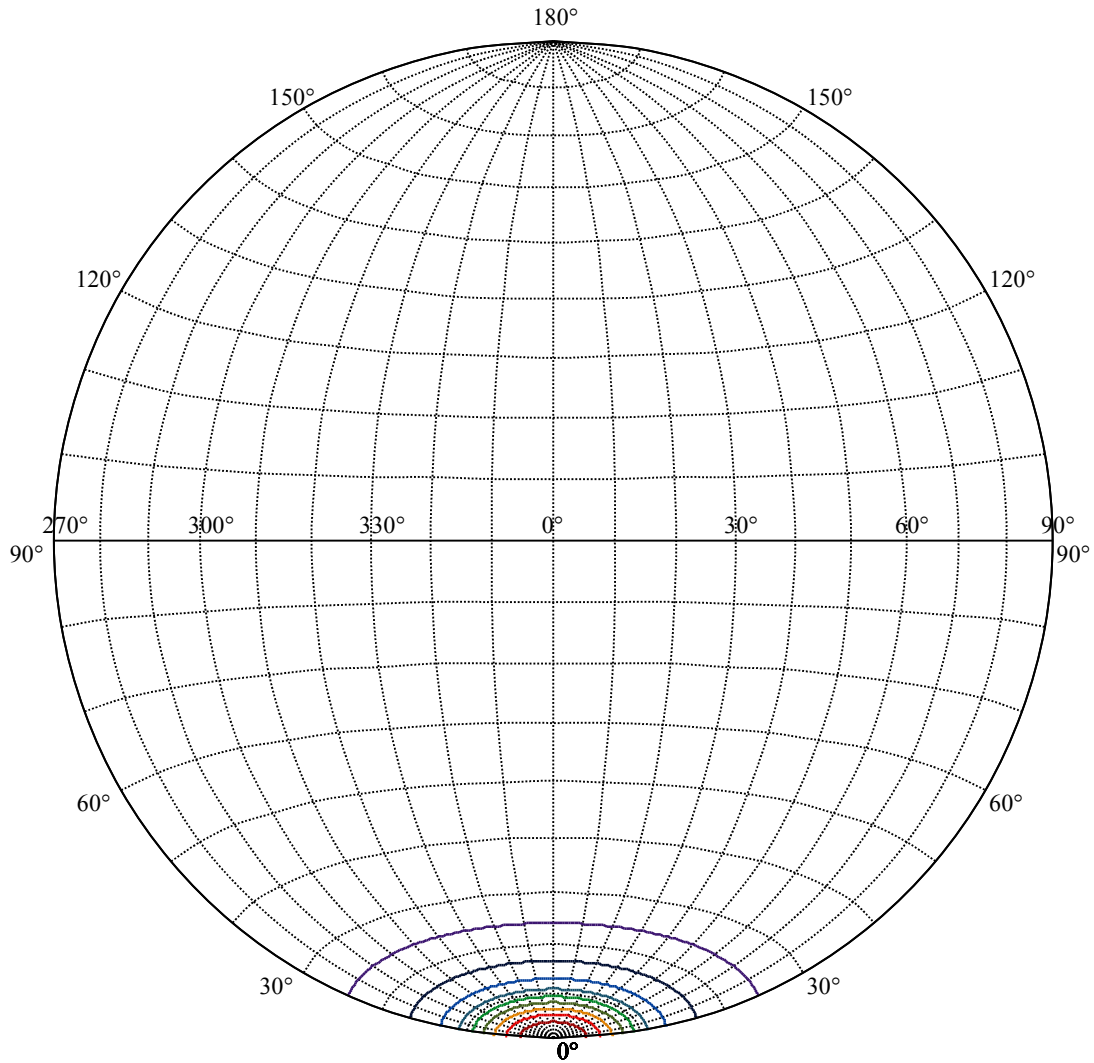
Beam Angle(50%Imax):C0/180Left:10.3 Right:8.3  
:C90/270Left:10.3 Right:8.3





(10%Imax) 1188.22	—
(20%Imax) 2376.45	—
(30%Imax) 3564.67	—
(40%Imax) 4752.9	—
(50%Imax) 5941.12	—
(60%Imax) 7129.34	—
(70%Imax) 8317.57	—
(80%Imax) 9505.79	—
(90%Imax) 10694	—





House

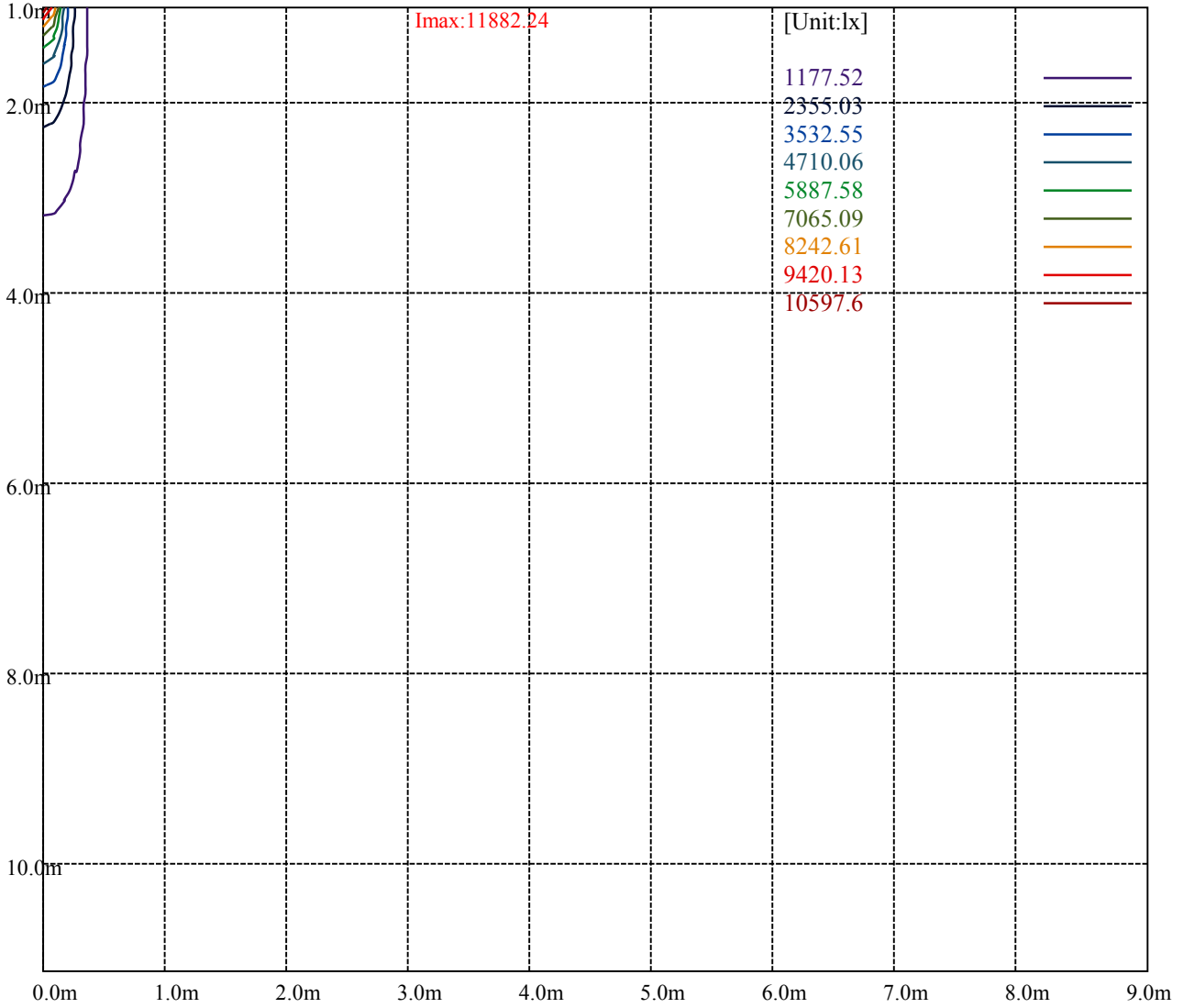
[Unit:cd]

Road

Imax:11882.24

(10%Imax)	1188.22	—
(20%Imax)	2376.45	—
(30%Imax)	3564.67	—
(40%Imax)	4752.9	—
(50%Imax)	5941.12	—
(60%Imax)	7129.34	—
(70%Imax)	8317.57	—
(80%Imax)	9505.79	—
(90%Imax)	10694	—





Luminance Table

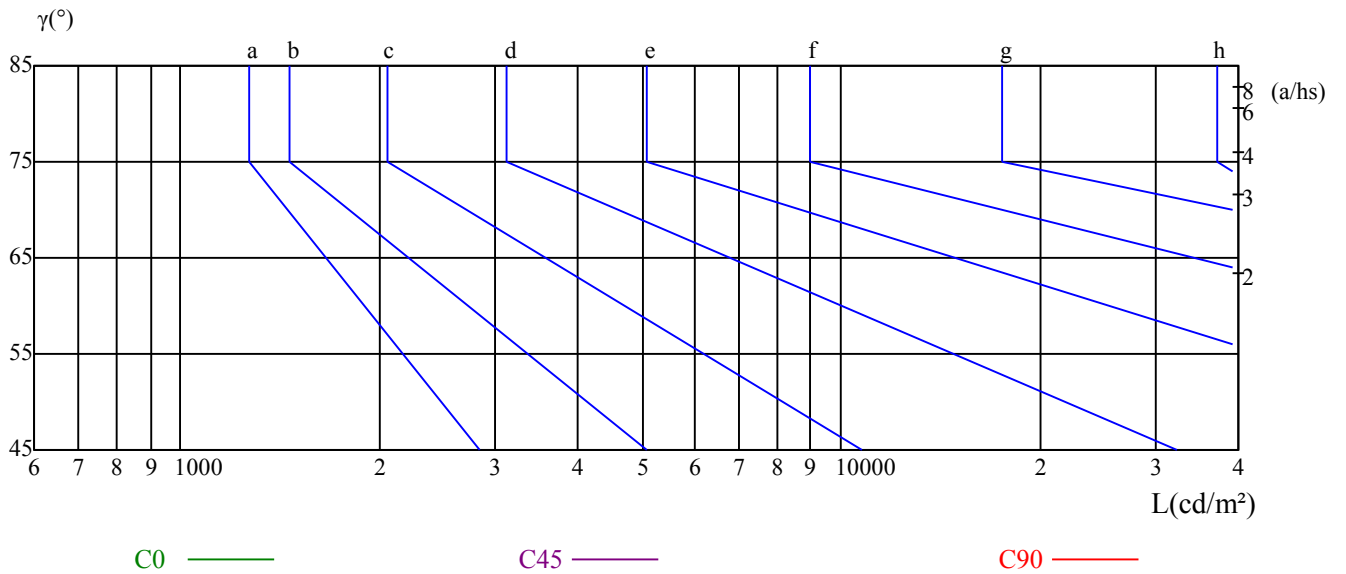
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

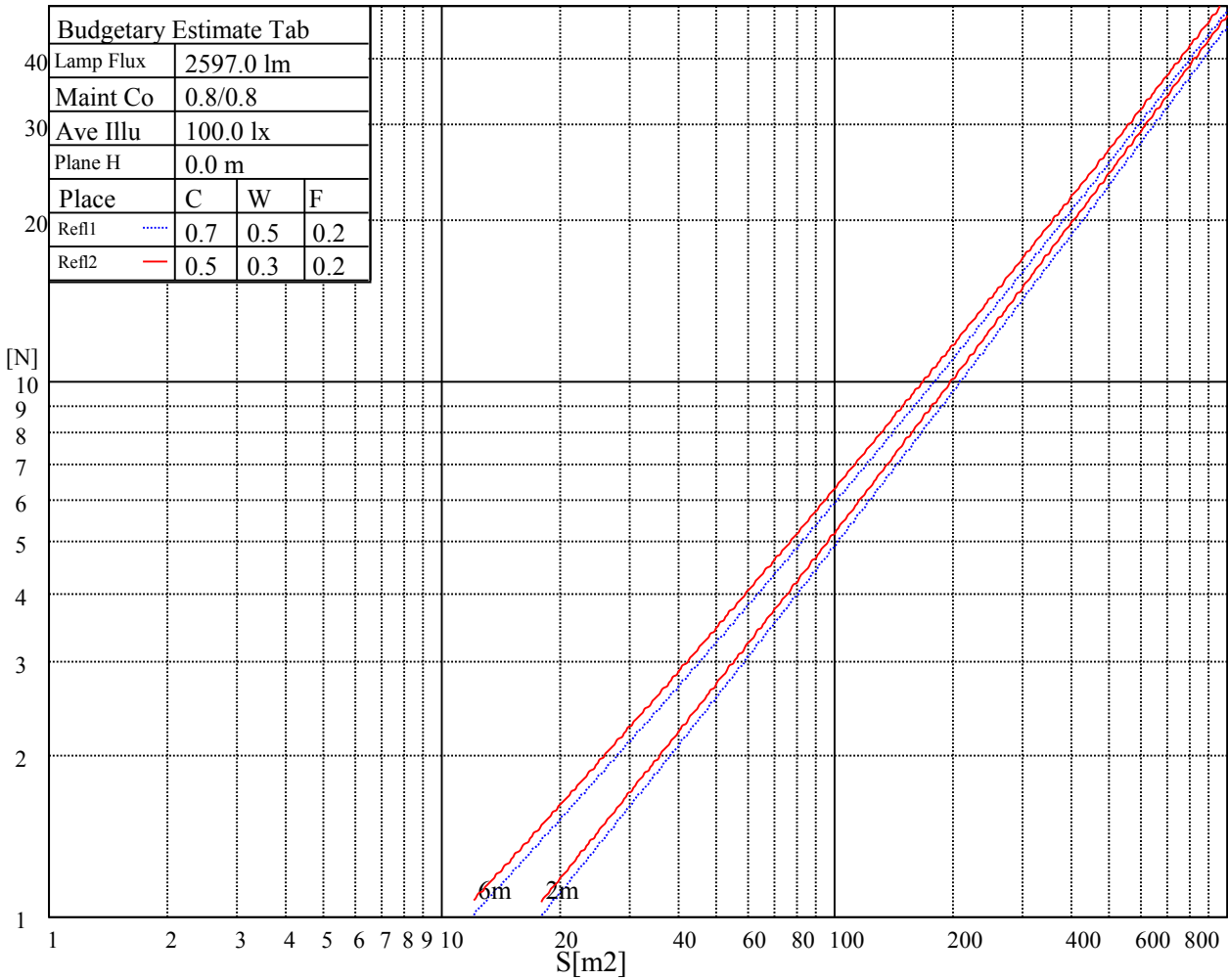
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

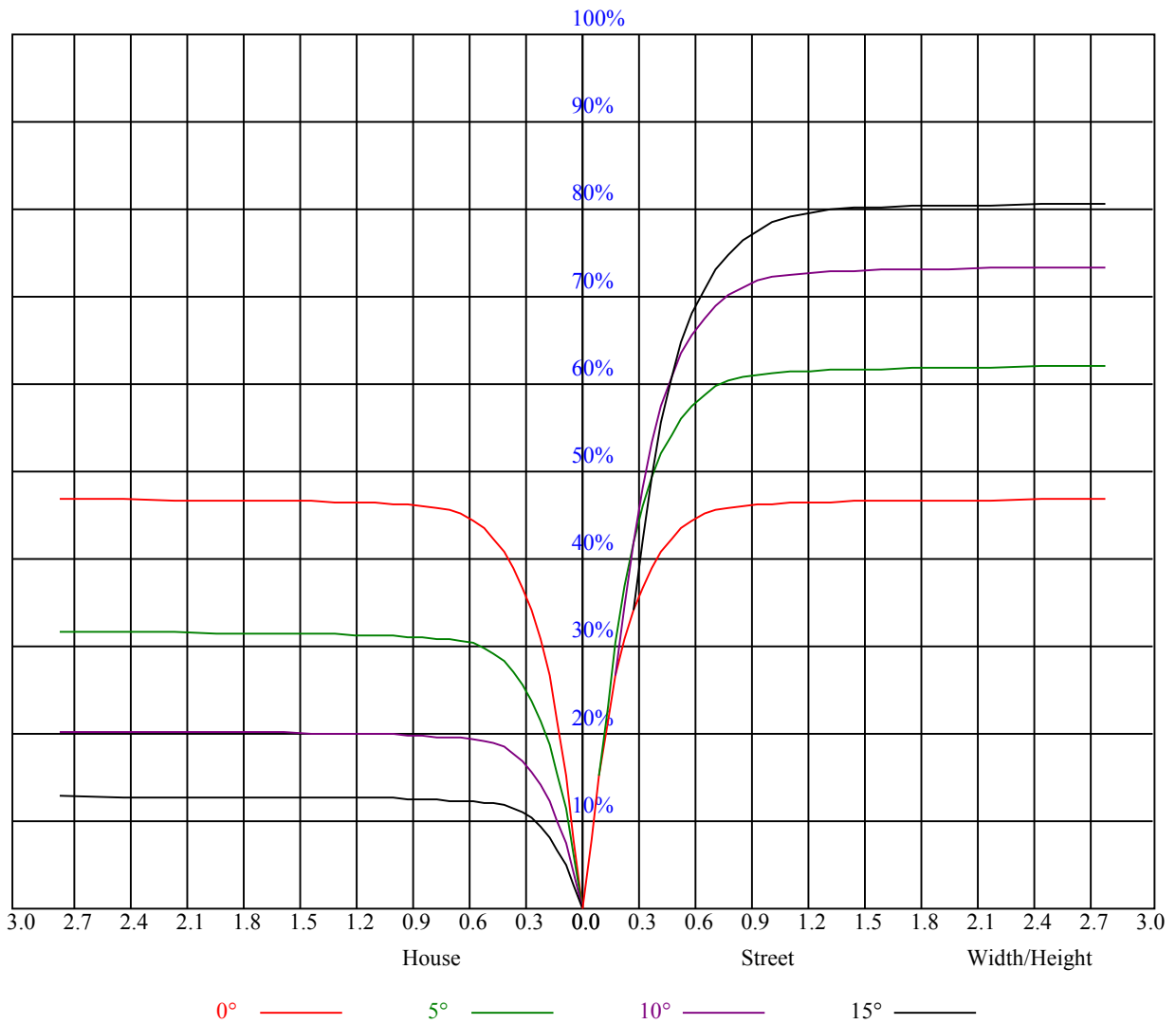


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字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

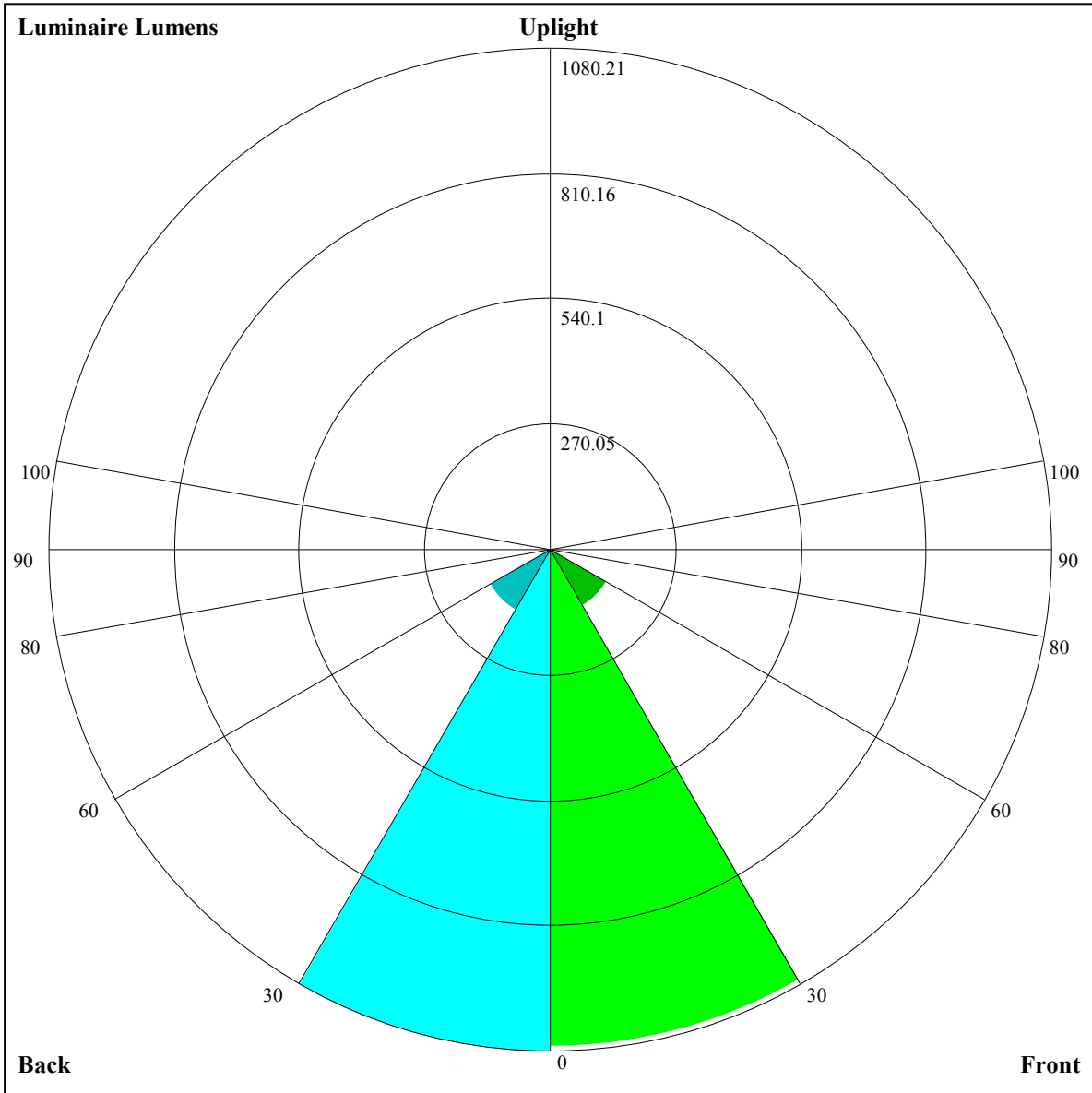
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.04	1.04	1.04	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.02	1.03	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
2	1.00	0.97	0.94	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.90	0.89	0.87	0.86
3	0.95	0.91	0.88	0.94	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	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.77	0.76
6	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.79	0.76	0.74	0.73
7	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
8	0.77	0.73	0.70	0.77	0.72	0.70	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68
9	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.63







Luminaire Lumens:

FL=1069.45,FM=139.39,FH=10.2,FVH=1.16

BL=1080.21,BM=151.73,BH=10.47,BVH=1.15

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	12104.93	11976.79	10888.90	10888.90	10411.42	9437.49	8341.04	7232.81	6192.60
45.0	12116.08	11954.50	11597.92	11057.47	10283.01	9319.12	8227.08	7140.62	6137.72
90.0	10796.97	10796.97	10287.16	9270.34	8153.81	7024.98	6013.73	5161.85	4720.01
135.0	12082.65	11709.35	11402.91	10411.16	9870.71	8828.82	7731.21	6667.03	5714.28
180.0	12104.93	12088.22	11893.21	11570.06	11079.75	10377.73	9491.84	8472.23	7630.92
225.0	12116.08	12127.22	12010.22	11064.46	10790.29	10790.29	9959.60	8946.08	7870.24
270.0	10796.97	12071.50	12299.94	12377.94	12327.80	12177.36	11748.35	11302.62	10539.31
315.0	12082.65	12333.37	12361.23	12277.65	12049.22	10778.05	10778.05	9817.52	8682.59
360.0	12104.93	11976.79	10888.90	10888.90	10411.42	9437.49	8341.04	7232.81	6192.60
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5287.21	4828.65	4187.92	3490.36	3247.99	2886.42	2573.83	2309.75	2078.53
45.0	5246.26	4533.10	3959.22	3496.77	3257.19	2895.04	2895.04	2287.47	2063.45
90.0	3900.45	3438.01	3198.95	2852.41	2555.43	2299.71	2071.80	1876.80	1707.44
135.0	4900.82	4254.51	3741.92	3312.91	2950.75	2822.61	2755.75	2188.81	1979.87
180.0	6600.17	5652.99	4856.25	4215.51	3702.92	3279.48	2928.47	2856.04	2556.01
225.0	6796.54	5813.15	4990.23	4322.74	3789.02	3348.86	2983.34	2660.19	2381.61
270.0	9330.26	8399.80	7229.76	6165.58	5257.41	4521.95	3936.93	3463.34	3067.76
315.0	7498.82	6390.39	5423.71	4639.22	4029.13	3539.93	3137.14	2793.91	2615.62
360.0	5287.21	4828.65	4187.92	3490.36	3247.99	2886.42	2573.83	2309.75	2078.53
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1879.58	1704.65	1549.75	1418.29	1299.03	1083.10	1083.10	1052.88	983.81
45.0	1861.24	1688.52	1535.30	1401.58	1287.36	1184.81	1099.55	1025.49	955.85
90.0	1560.37	1434.43	1325.21	1208.20	1087.20	1059.40	992.64	953.80	881.58
135.0	1760.37	1638.90	1507.97	1393.75	1293.46	1203.79	1123.00	1050.57	985.34
180.0	2119.74	1910.23	1804.37	1587.65	1509.07	1393.75	1256.72	1205.99	1128.57
225.0	2143.13	1933.67	1752.01	1655.61	1511.33	1338.03	1271.75	1096.14	1096.14
270.0	2856.04	2856.04	2200.53	1982.13	1867.34	1636.11	1551.43	1421.61	1305.71
315.0	2350.38	2111.96	1908.60	1725.26	1568.15	1431.64	1311.28	1088.41	1088.41
360.0	1879.58	1704.65	1549.75	1418.29	1299.03	1083.10	1083.10	1052.88	983.81
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	888.25	839.42	720.58	665.34	575.40	485.94	401.47	322.05	247.04
45.0	881.16	798.69	710.70	619.87	530.15	444.36	394.74	317.90	288.88
90.0	762.37	707.44	614.04	483.36	431.01	347.12	269.44	198.90	139.13
135.0	921.26	846.62	759.16	667.75	577.50	485.05	398.11	316.22	301.18
180.0	1058.92	1000.95	941.92	873.38	789.80	700.66	610.41	518.48	429.33
225.0	1018.77	950.12	885.21	817.40	737.03	652.04	566.05	481.21	402.00
270.0	1208.78	1123.52	1049.41	983.71	918.48	844.42	759.16	670.01	579.19
315.0	1044.42	976.14	921.26	829.80	760.84	670.91	563.47	492.72	408.94
360.0	888.25	839.42	720.58	665.34	575.40	485.94	401.47	322.05	247.04
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	182.39	128.78	90.14	68.70	61.13	55.56	51.20	47.41	43.57
45.0	226.65	134.19	97.71	76.90	66.28	59.55	54.19	49.46	45.20
90.0	94.19	66.81	56.24	50.78	46.62	43.21	39.95	37.27	34.80
135.0	301.18	142.44	96.14	68.54	58.03	51.98	46.94	43.47	40.21
180.0	344.60	282.21	282.21	128.15	100.97	72.75	61.39	54.88	48.36
225.0	341.45	257.82	206.15	148.54	95.98	73.90	61.34	54.82	49.46
270.0	488.94	403.10	323.47	293.93	293.93	117.21	92.14	65.28	55.45
315.0	327.52	252.09	185.91	130.20	88.99	65.76	56.71	51.25	46.83
360.0	182.39	128.78	90.14	68.70	61.13	55.56	51.20	47.41	43.57

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	40.21	37.37	35.01	32.80	31.48	29.75	28.23	27.23	26.54
45.0	42.05	38.11	35.58	33.75	31.27	30.07	28.70	27.81	27.12
90.0	32.80	30.91	29.96	28.23	27.54	26.86	26.07	25.76	25.65
135.0	37.48	35.22	33.11	31.22	29.70	28.54	27.60	27.07	26.54
180.0	44.63	41.21	38.27	36.06	33.85	32.01	30.38	29.01	27.91
225.0	45.26	41.68	38.37	35.90	33.64	31.64	29.75	28.33	27.33
270.0	49.83	45.73	42.26	39.00	36.22	33.85	31.80	29.91	28.33
315.0	43.00	39.58	36.58	33.80	31.59	29.65	27.86	26.44	25.86
360.0	40.21	37.37	35.01	32.80	31.48	29.75	28.23	27.23	26.54
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	25.86	25.39	25.34	25.28	24.97	24.23	22.97	21.50	19.92
45.0	26.65	26.39	26.12	26.02	25.44	24.55	23.23	21.34	18.92
90.0	25.70	25.60	25.34	24.65	23.65	22.34	20.39	17.92	15.61
135.0	26.44	26.49	26.33	26.07	25.65	24.70	23.39	21.71	19.34
180.0	27.23	26.75	26.54	26.60	26.28	26.12	25.86	25.18	23.71
225.0	26.54	26.12	25.91	25.86	25.65	25.34	25.18	24.65	23.18
270.0	27.07	25.97	25.18	24.76	24.39	24.28	24.23	24.07	23.55
315.0	24.70	24.44	23.81	23.60	23.71	23.76	23.71	23.60	22.76
360.0	25.86	25.39	25.34	25.28	24.97	24.23	22.97	21.50	19.92
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	17.61	15.30	13.14	10.83	9.46	8.41	7.67	7.25	6.73
45.0	16.35	14.03	11.72	10.04	8.94	7.99	7.62	6.83	6.52
90.0	12.98	10.67	9.36	8.36	7.57	7.04	6.41	5.99	5.68
135.0	16.61	14.24	11.62	10.04	8.88	7.88	7.36	6.83	6.36
180.0	22.29	20.34	17.19	14.77	11.98	9.93	8.88	7.88	7.31
225.0	21.71	19.71	16.71	14.24	11.83	9.72	8.73	7.94	7.31
270.0	23.07	22.13	20.71	18.92	16.87	14.61	12.51	10.30	8.99
315.0	21.39	20.03	17.77	15.35	13.35	10.99	9.51	8.52	7.62
360.0	17.61	15.30	13.14	10.83	9.46	8.41	7.67	7.25	6.73
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.25	5.83	5.47	5.10	4.78	4.47	4.15	3.78	3.42
45.0	6.04	5.73	5.26	4.89	4.63	4.31	3.94	3.57	3.21
90.0	5.20	4.94	4.57	4.26	3.94	3.57	3.15	2.89	2.52
135.0	5.89	5.52	5.15	4.78	4.68	4.15	3.89	3.63	3.21
180.0	6.78	6.41	5.94	5.57	5.20	4.89	4.52	4.15	3.84
225.0	6.78	6.25	5.94	5.57	5.20	4.84	4.57	4.21	3.89
270.0	8.09	7.36	6.78	6.25	5.89	5.57	5.10	4.78	4.52
315.0	6.99	6.52	6.25	5.83	5.31	5.15	4.89	4.57	4.21
360.0	6.25	5.83	5.47	5.10	4.78	4.47	4.15	3.78	3.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.10	2.84	2.47	2.10	1.84	1.68	1.31	1.16	1.00
45.0	2.89	2.52	2.10	1.84	1.52	1.26	1.05	0.89	0.79
90.0	2.26	1.94	1.79	1.42	1.21	1.16	0.95	0.95	0.95
135.0	2.89	2.42	2.16	1.94	1.58	1.37	1.26	0.84	0.84
180.0	3.47	3.15	2.79	2.47	2.05	1.84	1.52	1.26	1.10
225.0	3.73	3.26	2.84	2.63	2.31	1.89	1.73	1.37	1.21
270.0	4.21	3.89	3.57	3.10	2.84	2.37	2.21	1.84	1.52
315.0	3.94	3.57	3.26	2.84	2.63	2.26	1.94	1.68	1.42
360.0	3.10	2.84	2.47	2.10	1.84	1.68	1.31	1.16	1.00

Intensity data(cd)

<b>C/γ(°)</b>	<b>90.0</b>
<b>0.0</b>	<b>0.84</b>
<b>45.0</b>	<b>0.89</b>
<b>90.0</b>	<b>0.89</b>
<b>135.0</b>	<b>0.89</b>
<b>180.0</b>	<b>0.84</b>
<b>225.0</b>	<b>1.00</b>
<b>270.0</b>	<b>1.37</b>
<b>315.0</b>	<b>1.31</b>
<b>360.0</b>	<b>0.84</b>