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Nata

Client:

LumCAT: 2-2752-L

Luminaire: 92.70.411.00

Report No: 2024913-B005

Ballast type: AC

Test No: 2024913-C005

Voltage(V): 36.740

LampCAT: NICHIA NFCWJ130B-V3

Current(A): 0.580

Lamp flux(lm): 2833.0

Power (W): 21.300

Number of Lamps: 1

PF: 0.000

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2621.79, Efficiency(%): 92.54% , Luminous Efficacy(lm/W): 123.09

Central intensity(cd): 9631.264, Maximum intensity(cd): 9631.264

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=24.6

[C90/270]Total=24.6

Field angle(10%Imax): [C0/180]Total=55.8

[C90/270]Total=55.8

Maximum s/h(1/2): C0_180=0.41 C90_270=0.41

Maximum s/h(1/4): C0_180=0.43 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.052%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9631.263	0.000	0	0.00%	0.00%
1.0	9584.463	9.194	9.194	0.32%	0.35%
2.0	9430.061	27.291	36.486	0.96%	1.39%
3.0	9191.309	44.536	81.022	1.57%	3.09%
4.0	8888.641	60.519	141.541	2.14%	5.40%
5.0	8501.899	74.813	216.355	2.64%	8.25%
6.0	8055.197	87.012	303.367	3.07%	11.57%
7.0	7615.452	97.267	400.634	3.43%	15.28%
8.0	7090.326	105.246	505.88	3.72%	19.30%
9.0	6539.373	110.461	616.342	3.90%	23.51%
10.0	6024.405	113.698	730.039	4.01%	27.85%
11.0	5480.482	114.957	844.997	4.06%	32.23%
12.0	4947.971	113.998	958.995	4.02%	36.58%
13.0	4461.216	111.663	1070.658	3.94%	40.84%
14.0	3975.788	107.993	1178.651	3.81%	44.96%
15.0	3535.564	103.119	1281.77	3.64%	48.89%
16.0	3135.734	97.753	1379.523	3.45%	52.62%
17.0	2763.335	91.864	1471.388	3.24%	56.12%
18.0	2467.264	86.241	1557.629	3.04%	59.41%
19.0	2213.768	81.440	1639.069	2.87%	62.52%
20.0	1987.979	76.904	1715.973	2.71%	65.45%
21.0	1795.404	72.649	1788.622	2.56%	68.22%
22.0	1637.230	68.980	1857.602	2.43%	70.85%
23.0	1498.287	65.792	1923.393	2.32%	73.36%
24.0	1364.588	62.593	1985.986	2.21%	75.75%
25.0	1227.676	58.942	2044.929	2.08%	78.00%
26.0	1127.058	55.584	2100.512	1.96%	80.12%
27.0	1052.045	53.312	2153.825	1.88%	82.15%
28.0	952.347	50.747	2204.572	1.79%	84.09%
29.0	848.457	47.114	2251.686	1.66%	85.88%
30.0	744.298	43.004	2294.69	1.52%	87.52%
31.0	642.846	38.602	2333.292	1.36%	89.00%
32.0	546.926	34.086	2367.377	1.20%	90.30%
33.0	460.408	29.676	2397.054	1.05%	91.43%
34.0	389.672	25.726	2422.78	0.91%	92.41%
35.0	328.167	22.293	2445.073	0.79%	93.26%
36.0	283.332	19.470	2464.544	0.69%	94.00%
37.0	250.684	17.417	2481.96	0.61%	94.67%

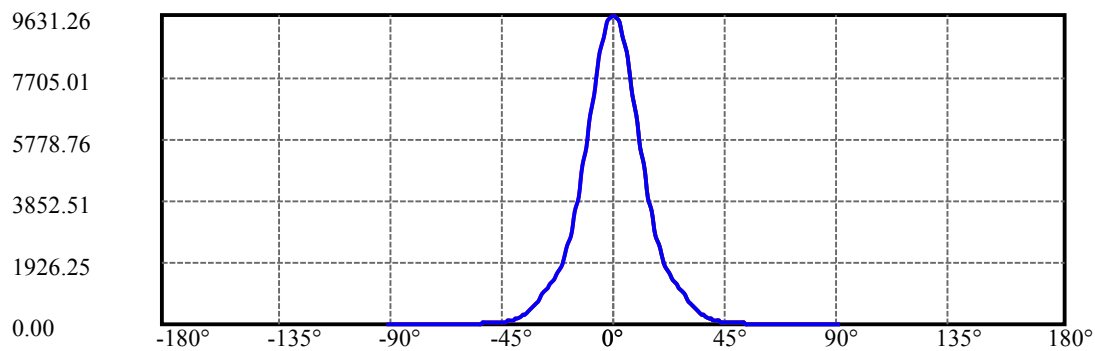
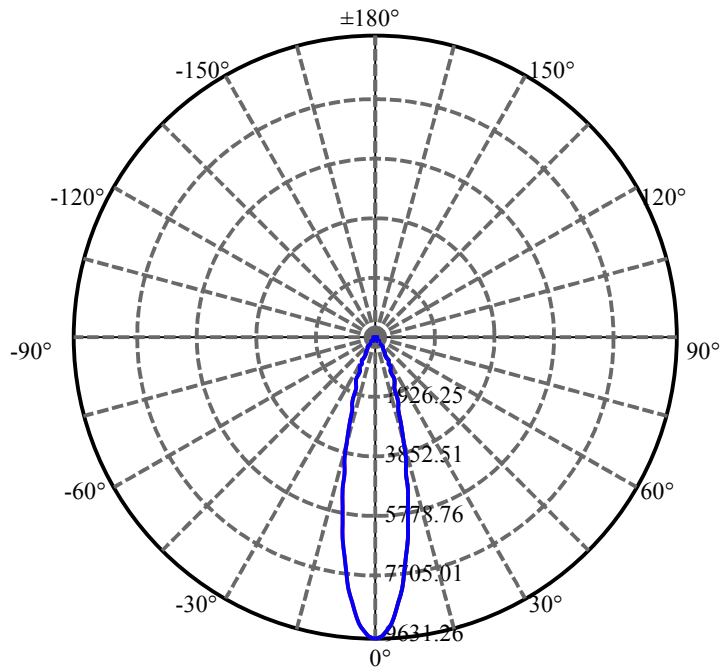
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	208.745	15.335	2497.295	0.54%	95.25%
39.0	173.949	13.062	2510.358	0.46%	95.75%
40.0	136.439	10.825	2521.183	0.38%	96.16%
41.0	114.350	8.930	2530.113	0.32%	96.50%
42.0	95.184	7.613	2537.726	0.27%	96.79%
43.0	80.657	6.514	2544.24	0.23%	97.04%
44.0	67.149	5.579	2549.818	0.20%	97.25%
45.0	58.003	4.810	2554.628	0.17%	97.44%
46.0	50.795	4.255	2558.883	0.15%	97.60%
47.0	44.856	3.804	2562.687	0.13%	97.75%
48.0	40.913	3.467	2566.154	0.12%	97.88%
49.0	37.779	3.232	2569.386	0.11%	98.00%
50.0	35.118	3.039	2572.425	0.11%	98.12%
51.0	33.029	2.883	2575.309	0.10%	98.23%
52.0	31.268	2.759	2578.068	0.10%	98.33%
53.0	29.639	2.649	2580.717	0.09%	98.43%
54.0	28.456	2.561	2583.278	0.09%	98.53%
55.0	27.201	2.484	2585.762	0.09%	98.63%
56.0	25.933	2.401	2588.163	0.08%	98.72%
57.0	24.790	2.319	2590.482	0.08%	98.81%
58.0	23.620	2.239	2592.721	0.08%	98.89%
59.0	22.490	2.156	2594.877	0.08%	98.97%
60.0	21.281	2.068	2596.944	0.07%	99.05%
61.0	19.928	1.967	2598.911	0.07%	99.13%
62.0	18.594	1.856	2600.767	0.07%	99.20%
63.0	17.392	1.750	2602.517	0.06%	99.26%
64.0	16.413	1.659	2604.176	0.06%	99.33%
65.0	15.164	1.563	2605.739	0.06%	99.39%
66.0	13.982	1.454	2607.193	0.05%	99.44%
67.0	13.009	1.357	2608.55	0.05%	99.50%
68.0	12.043	1.269	2609.819	0.04%	99.54%
69.0	11.235	1.188	2611.007	0.04%	99.59%
70.0	10.322	1.107	2612.114	0.04%	99.63%
71.0	9.330	1.016	2613.13	0.04%	99.67%
72.0	8.555	0.930	2614.06	0.03%	99.71%
73.0	7.911	0.861	2614.921	0.03%	99.74%
74.0	7.273	0.798	2615.719	0.03%	99.77%
75.0	6.715	0.739	2616.458	0.03%	99.80%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	6.110	0.681	2617.139	0.02%	99.82%
77.0	5.644	0.627	2617.766	0.02%	99.85%
78.0	5.131	0.577	2618.342	0.02%	99.87%
79.0	4.619	0.524	2618.866	0.02%	99.89%
80.0	4.159	0.473	2619.339	0.02%	99.91%
81.0	3.725	0.426	2619.766	0.02%	99.92%
82.0	3.272	0.379	2620.145	0.01%	99.94%
83.0	2.865	0.334	2620.479	0.01%	99.95%
84.0	2.464	0.290	2620.769	0.01%	99.96%
85.0	2.109	0.250	2621.019	0.01%	99.97%
86.0	1.833	0.215	2621.234	0.01%	99.98%
87.0	1.524	0.184	2621.418	0.01%	99.99%
88.0	1.222	0.150	2621.568	0.01%	99.99%
89.0	0.979	0.121	2621.689	0.00%	100.00%
90.0	0.841	0.100	2621.789	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2294.69	81.00%	87.52%
0-40	2521.18	88.99%	96.16%
0-60	2596.94	91.67%	99.05%
0-90	2621.69	92.54%	100.00%
0-120	2621.69	92.54%	100.00%
0-180	2621.79	92.54%	100.00%
60-90	24.74	0.87%	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%
0-25.94	2097.43	74.04%	80.00%

ZONAL LUMEN SUMMARY

0-10	730.04
10-20	985.93
20-30	578.72
30-40	226.49
40-50	51.24
50-60	24.52
60-70	15.17
70-80	7.23
80-90	2.35
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:

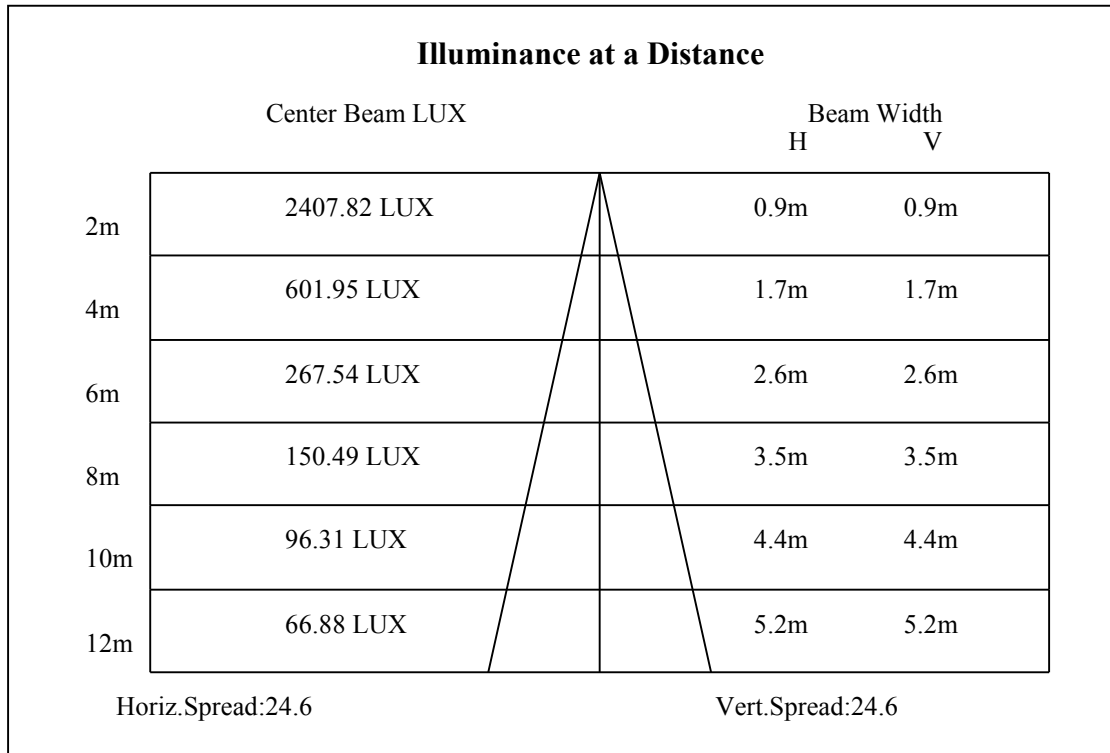
C90/C270:

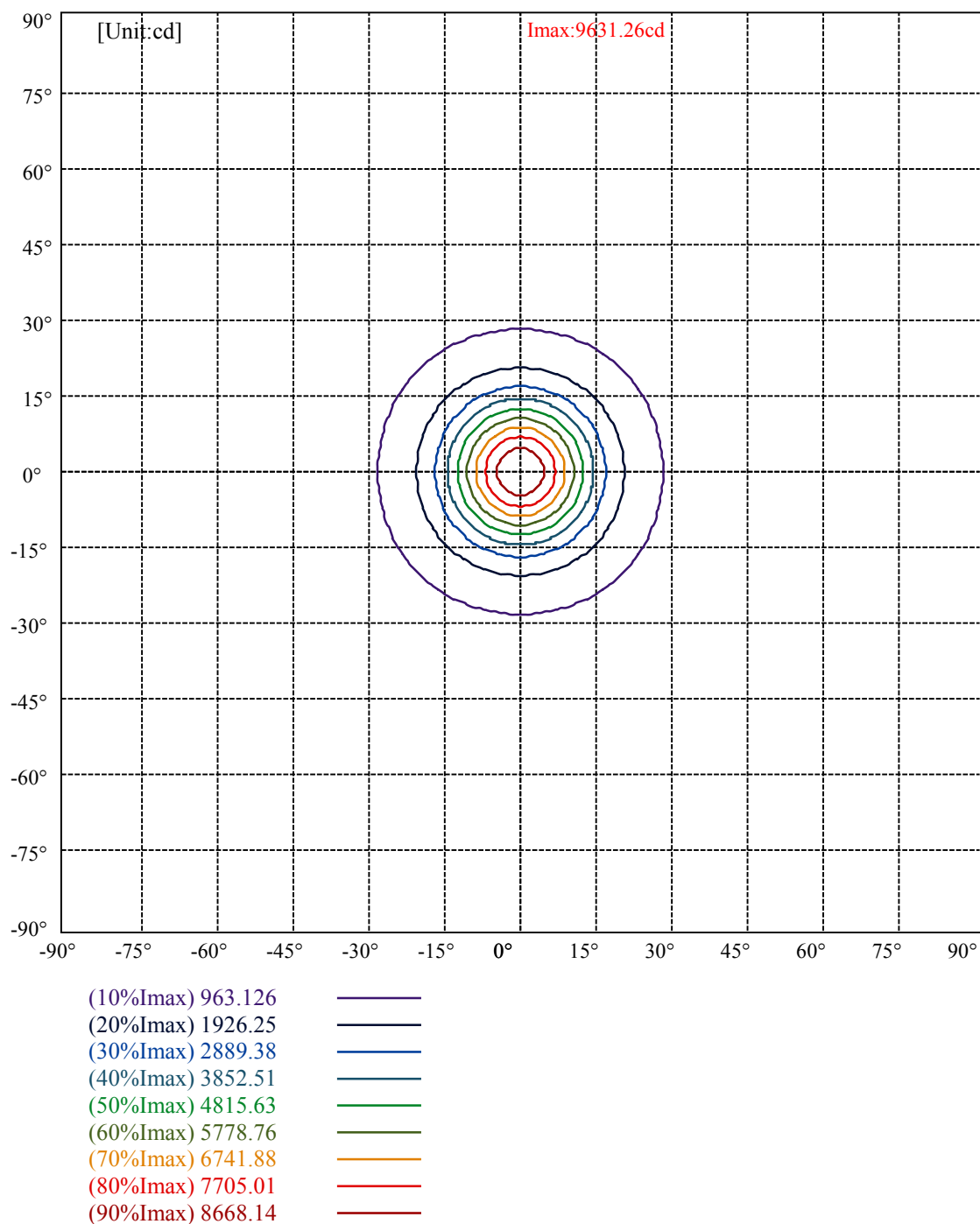
Field angle(10%Imax):C0/180Left:27.9 Right:27.9

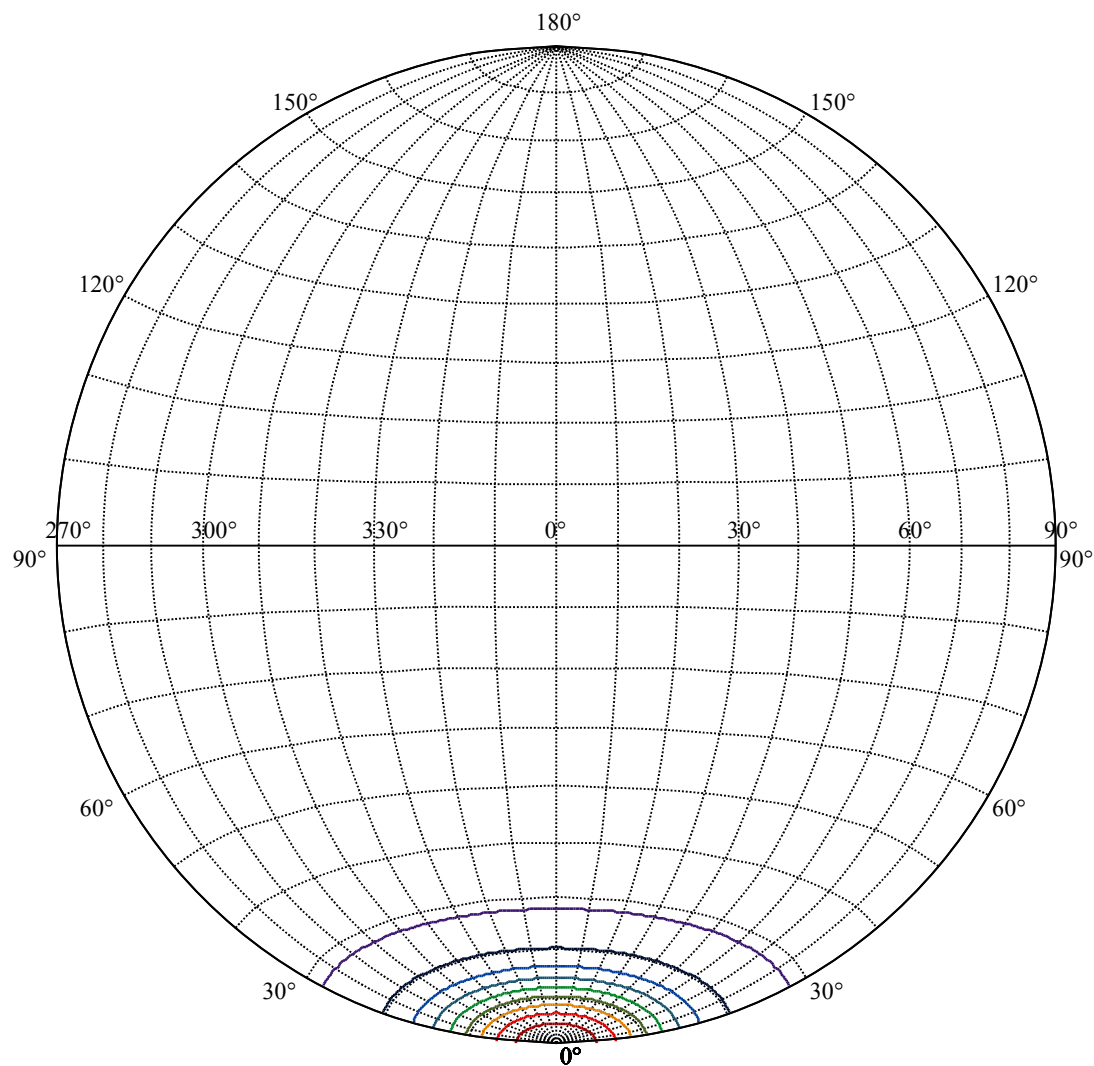
:C90/270Left:27.9 Right:27.9

Beam Angle(50%Imax):C0/180Left:12.3 Right:12.3

:C90/270Left:12.3 Right:12.3





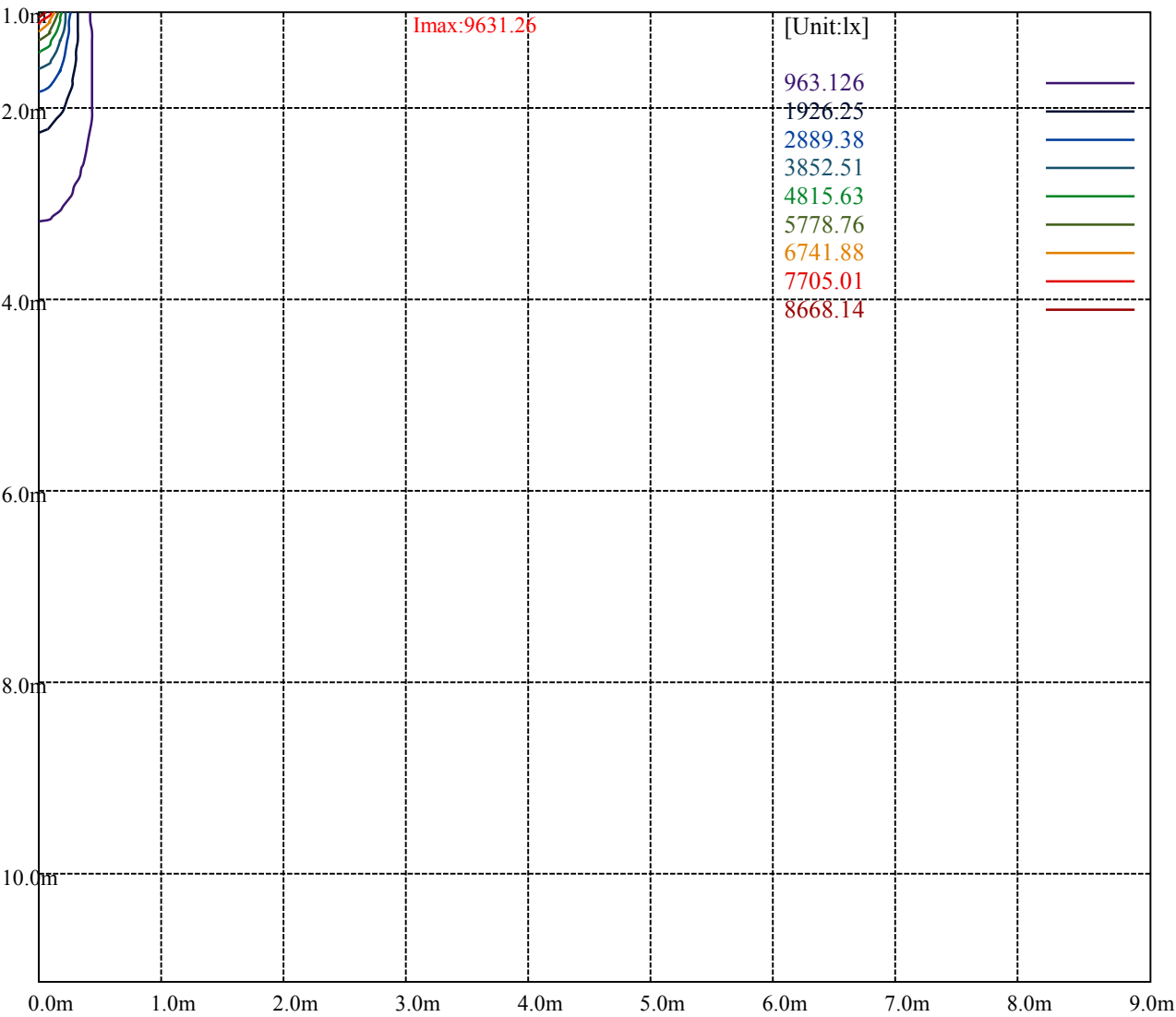


House

[Unit:cd]

Road

Imax:9631.26	
(10%Imax) 963.126	—
(20%Imax) 1926.25	—
(30%Imax) 2889.38	—
(40%Imax) 3852.51	—
(50%Imax) 4815.63	—
(60%Imax) 5778.76	—
(70%Imax) 6741.88	—
(80%Imax) 7705.01	—
(90%Imax) 8668.14	—



Luminance Table

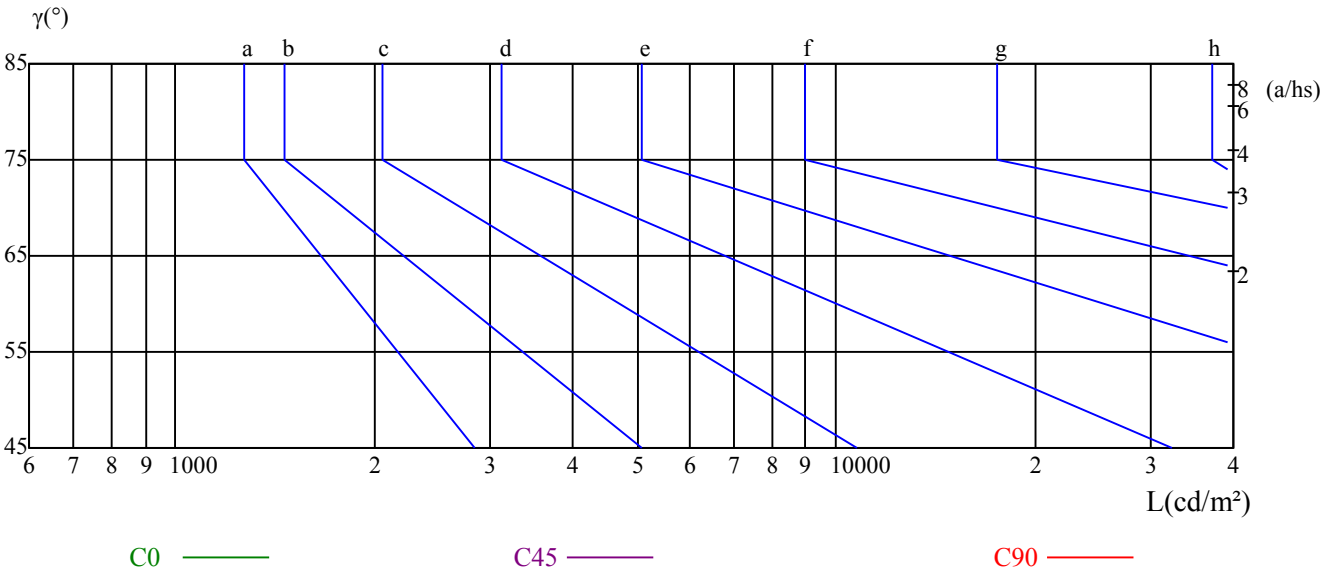
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

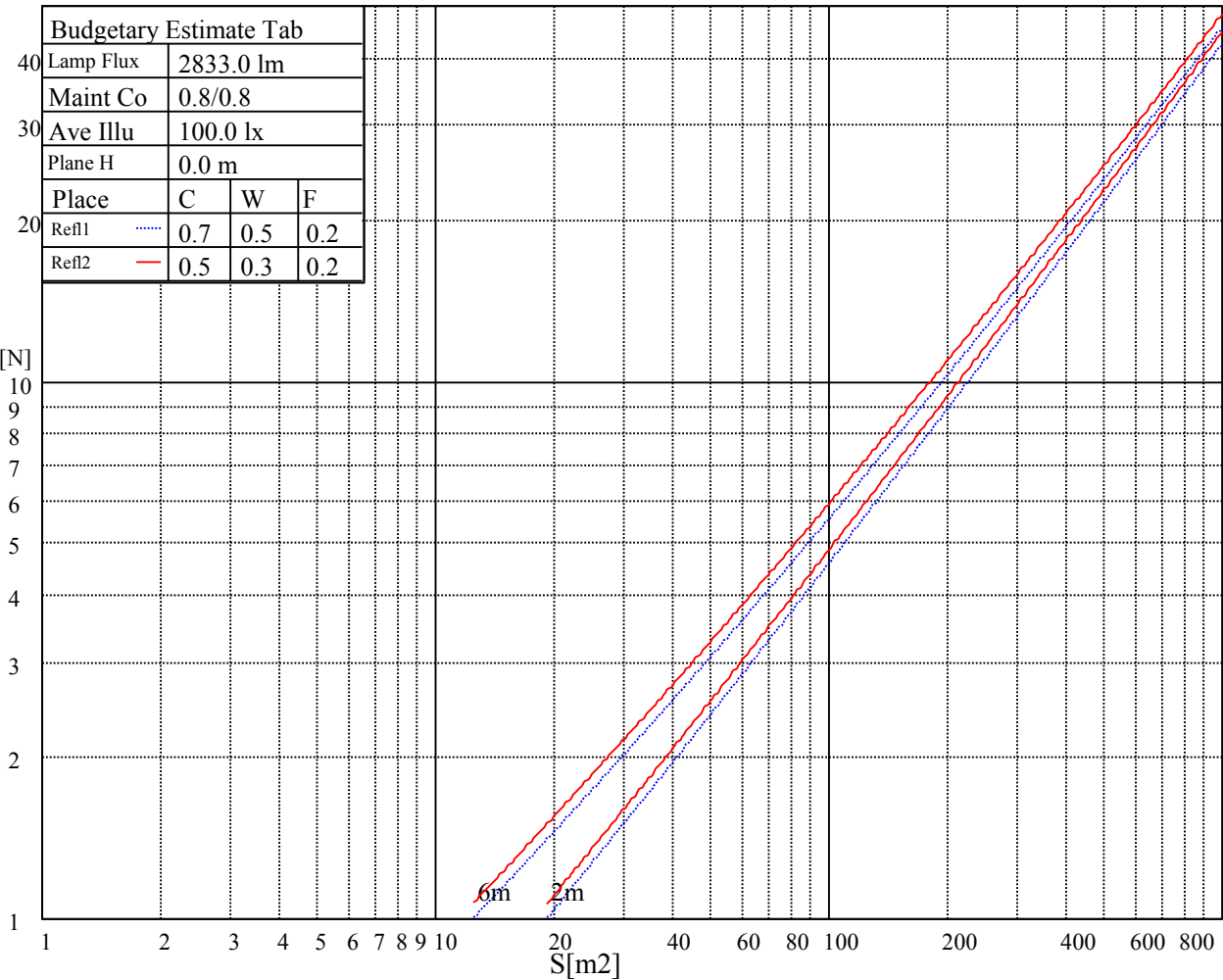
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

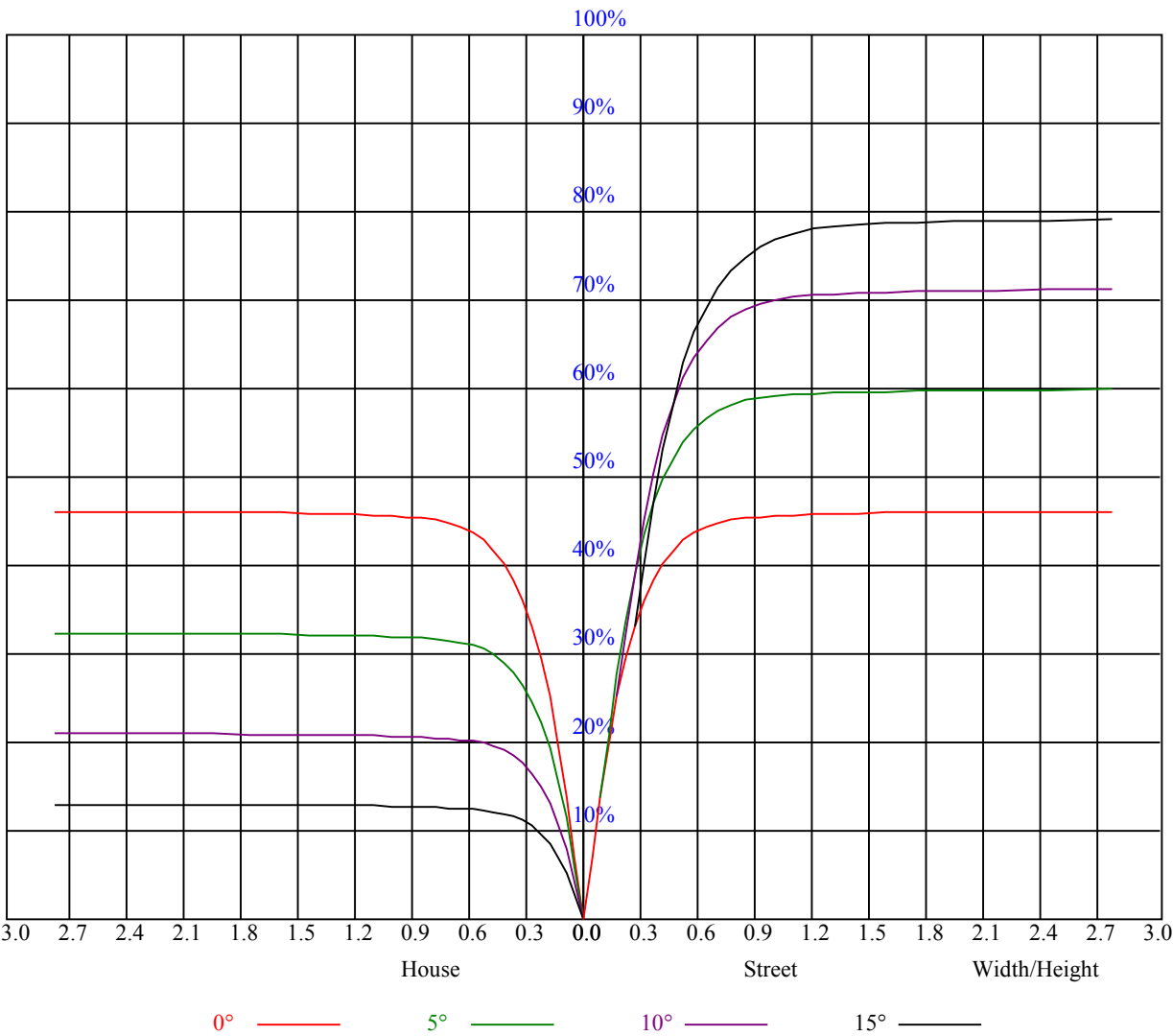


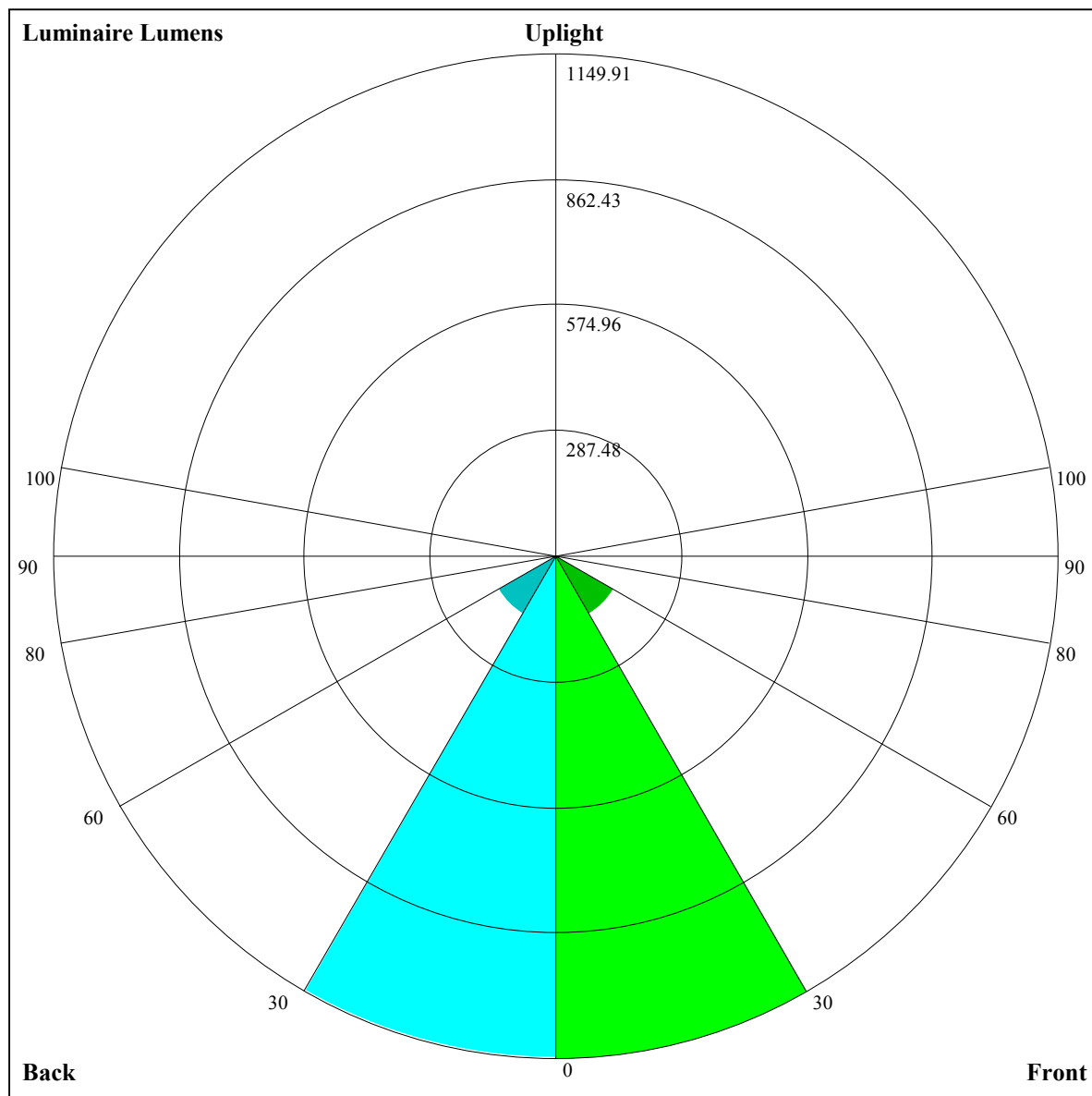
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	
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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.98	0.98	0.98	0.94	0.94	0.94	0.93
1	1.04	1.02	1.00	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.93	0.91	0.91	0.90	0.88
2	0.98	0.95	0.92	0.96	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.88	0.87	0.86	0.84
3	0.93	0.89	0.86	0.92	0.88	0.86	0.89	0.87	0.84	0.87	0.85	0.83	0.85	0.83	0.82	0.80
4	0.89	0.84	0.81	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.77
5	0.85	0.80	0.77	0.84	0.80	0.77	0.82	0.79	0.76	0.81	0.78	0.75	0.79	0.77	0.75	0.74
6	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.71
7	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.68
8	0.75	0.70	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.65
9	0.72	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
10	0.70	0.65	0.63	0.69	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.61





Luminaire Lumens:

FL=1149.91,FM=151.31,FH=11.17,FVH=1.24

BL=1146.13,BM=153.33,BH=11.26,BVH=1.22

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	9635.86	9500.46	9265.35	8936.05	8723.22	8156.60	7883.59	7424.51	6901.88
45.0	9663.14	9613.05	9465.35	9202.96	8860.88	8474.18	8051.84	7594.44	7094.62
90.0	9538.94	9314.92	8982.30	8596.75	8164.95	7879.70	7169.31	6860.62	6324.11
135.0	9687.11	9622.51	9438.07	9146.66	8770.05	8338.25	7886.37	7399.96	6894.04
180.0	9635.86	9663.14	9580.72	9402.96	9132.73	8782.83	8352.18	7884.16	7373.26
225.0	9663.14	9595.18	9436.97	9182.88	8839.12	8412.89	7938.78	7529.79	6902.40
270.0	9538.94	9664.82	9681.54	9605.22	9431.92	9144.98	8766.69	8325.95	7846.27
315.0	9687.11	9701.62	9590.19	9456.99	9186.24	8825.77	8392.81	7904.19	7386.03
360.0	9635.86	9500.46	9265.35	8936.05	8723.22	8156.60	7883.59	7424.51	6901.88
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	6356.38	5804.79	5250.99	4710.55	4202.95	3724.95	3295.93	2917.06	2587.18
45.0	6560.90	6017.09	5469.97	4931.20	4614.15	4108.81	3642.48	3221.82	2852.99
90.0	5567.47	5242.64	4716.12	4208.00	3724.95	3284.21	2895.88	2568.83	2288.57
135.0	6341.93	5792.02	5262.72	4744.55	4241.43	3749.44	3303.13	2912.59	2577.72
180.0	6846.16	6304.61	5761.38	5221.45	4698.30	4211.89	3733.30	3462.50	2903.13
225.0	6464.50	5921.80	5374.15	4851.52	4350.07	3872.02	3423.50	3022.34	2664.08
270.0	7335.36	6807.68	6265.03	5711.76	5175.78	4662.61	4264.24	3694.30	3339.93
315.0	6842.27	6304.61	5743.50	5204.74	4682.11	4192.39	3726.05	3286.42	2893.09
360.0	6356.38	5804.79	5250.99	4710.55	4202.95	3724.95	3295.93	2917.06	2587.18
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2301.40	2069.60	1864.02	1694.09	1552.54	1427.18	1316.85	1090.46	1070.86
45.0	2528.68	2256.82	2023.92	1830.02	1667.86	1524.15	1399.32	1285.10	1178.14
90.0	2057.87	1860.66	1690.73	1544.18	1417.72	1297.93	1084.73	1084.73	1000.58
135.0	2289.68	2142.61	1928.10	1680.16	1593.22	1460.61	1335.25	1218.82	1111.85
180.0	2692.51	2389.96	2137.03	1927.52	1747.55	1595.43	1464.50	1339.71	1226.07
225.0	2367.10	2115.27	1913.01	1733.62	1577.61	1448.36	1327.99	1066.34	1066.34
270.0	2945.44	2607.26	2316.43	2077.95	1872.91	1704.08	1563.68	1429.96	1309.65
315.0	2555.43	2267.97	2030.59	1875.69	1668.44	1528.57	1424.39	1306.28	1052.98
360.0	2301.40	2069.60	1864.02	1694.09	1552.54	1427.18	1316.85	1090.46	1070.86
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1027.18	922.52	816.24	705.34	598.37	501.71	419.24	350.85	293.46
45.0	1072.85	969.78	865.02	757.48	649.94	548.54	458.29	409.83	344.60
90.0	897.40	792.17	685.84	583.02	489.57	409.57	345.28	291.67	245.52
135.0	1006.52	906.23	803.16	704.55	604.84	511.75	429.86	361.31	304.49
180.0	1117.95	1010.99	908.49	807.04	703.44	602.58	507.86	424.86	358.00
225.0	1046.62	939.03	834.32	729.25	627.18	530.78	444.99	375.09	319.26
270.0	1194.85	1087.31	983.71	878.37	780.34	680.58	581.39	488.36	409.25
315.0	1052.98	990.75	890.88	789.33	689.09	589.91	496.35	415.40	350.75
360.0	1027.18	922.52	816.24	705.34	598.37	501.71	419.24	350.85	293.46
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	244.73	202.94	167.78	138.45	113.96	94.77	79.00	71.22	57.08
45.0	289.46	289.46	194.53	161.26	133.61	110.80	92.19	77.06	64.97
90.0	206.52	172.88	144.13	120.05	100.03	83.68	70.64	64.07	52.46
135.0	284.99	284.99	185.18	154.06	127.83	106.23	88.41	73.90	62.39
180.0	303.97	284.47	284.47	186.86	155.01	128.31	106.75	88.83	74.43
225.0	270.49	227.91	191.49	160.00	133.25	111.01	93.09	78.58	66.54
270.0	370.25	293.93	293.93	283.89	184.49	152.33	125.89	104.02	86.41
315.0	296.24	248.88	208.46	187.02	143.34	127.67	105.49	87.57	72.90
360.0	244.73	202.94	167.78	138.45	113.96	94.77	79.00	71.22	57.08

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	52.56	46.57	40.58	38.58	35.85	33.69	31.75	30.12	28.86
45.0	55.87	49.30	44.21	40.16	38.27	34.80	32.85	31.80	29.54
90.0	46.68	43.78	39.95	37.21	34.90	32.85	31.01	29.38	28.23
135.0	53.77	47.36	42.47	38.74	36.16	34.01	31.96	30.17	28.80
180.0	62.71	54.03	47.62	42.89	39.00	36.27	34.27	32.17	30.33
225.0	58.98	51.67	44.99	41.52	38.27	35.90	33.80	31.80	30.01
270.0	71.91	60.81	52.62	46.47	41.73	38.00	35.27	33.27	31.54
315.0	61.55	52.83	46.41	41.73	38.06	35.43	33.32	31.43	29.80
360.0	52.56	46.57	40.58	38.58	35.85	33.69	31.75	30.12	28.86
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.75	26.60	25.39	24.13	23.07	21.97	20.55	18.92	17.71
45.0	28.80	27.70	26.49	25.18	23.81	22.76	21.66	20.18	18.71
90.0	26.91	25.44	24.02	22.92	21.97	20.66	18.98	17.77	16.77
135.0	27.60	26.96	25.28	23.97	23.34	22.39	21.08	19.61	18.19
180.0	29.44	27.86	26.65	26.02	24.70	23.44	22.39	21.29	19.76
225.0	28.70	27.54	26.23	24.65	23.39	22.34	21.18	19.71	18.19
270.0	30.07	28.28	27.28	26.23	25.12	23.81	22.65	21.60	20.39
315.0	28.38	27.23	26.12	25.23	23.55	22.55	21.76	20.34	19.03
360.0	27.75	26.60	25.39	24.13	23.07	21.97	20.55	18.92	17.71
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	16.71	15.87	14.35	13.35	12.46	11.51	10.72	9.62	8.78
45.0	17.56	16.56	15.35	14.03	12.98	12.14	11.25	10.67	9.30
90.0	15.77	15.03	13.19	12.35	11.77	11.04	9.93	8.99	8.36
135.0	17.08	16.08	14.93	13.61	12.62	11.77	10.99	9.93	8.94
180.0	18.24	17.24	16.24	15.03	13.61	12.62	11.93	11.04	9.93
225.0	17.14	16.14	14.98	13.56	12.98	11.77	11.30	10.41	9.30
270.0	18.98	17.66	16.61	15.45	14.40	13.14	12.25	11.41	10.51
315.0	17.66	16.71	15.66	14.45	13.25	12.35	11.51	10.51	9.51
360.0	16.71	15.87	14.35	13.35	12.46	11.51	10.72	9.62	8.78
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	8.09	7.52	6.94	6.25	5.78	5.26	4.84	4.31	3.84
45.0	8.57	8.20	7.57	6.94	6.25	5.83	5.31	4.84	4.31
90.0	7.67	7.10	6.47	5.89	5.47	4.94	4.47	3.94	3.47
135.0	8.30	7.62	6.99	6.41	5.83	5.47	4.84	4.47	3.94
180.0	8.99	8.30	7.62	7.15	6.41	5.89	5.52	4.94	4.47
225.0	8.57	7.88	7.31	6.68	6.10	5.62	5.10	4.63	4.15
270.0	9.51	8.62	7.94	7.62	6.83	6.47	5.89	5.15	4.89
315.0	8.73	8.04	7.36	6.78	6.20	5.68	5.10	4.68	4.21
360.0	8.09	7.52	6.94	6.25	5.78	5.26	4.84	4.31	3.84
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.42	3.10	2.68	2.31	2.00	1.73	1.42	1.16	0.84
45.0	3.89	3.47	2.94	2.42	2.21	1.84	1.58	1.26	0.95
90.0	3.10	2.73	2.31	2.00	1.68	1.47	1.16	0.79	0.84
135.0	3.42	2.94	2.63	2.26	1.94	1.58	1.37	1.05	0.79
180.0	3.99	3.42	3.10	2.63	2.21	1.94	1.68	1.31	1.05
225.0	3.73	3.31	2.84	2.52	2.10	1.89	1.52	1.26	1.00
270.0	4.47	3.84	3.42	3.05	2.47	2.26	1.89	1.58	1.26
315.0	3.78	3.36	3.00	2.52	2.26	1.94	1.58	1.37	1.10
360.0	3.42	3.10	2.68	2.31	2.00	1.73	1.42	1.16	0.84

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	0.89
45.0	0.79
90.0	0.79
135.0	0.68
180.0	0.84
225.0	0.79
270.0	1.00
315.0	0.95
360.0	0.89