



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: 2-2756-L

Luminaire: 92.70.411.00

Report No: 2024913-B006

Ballast type: AC

Test No: 2024913-C006

Voltage(V): 36.720

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): 2599.10, Efficiency(%): 91.74% , Luminous Efficacy(lm/W): 122.02

Central intensity(cd): 5619.832, Maximum intensity(cd): 5619.832

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=37.0

[C90/270]Total=37.0

Field angle(10%Imax): [C0/180]Total=67.8

[C90/270]Total=67.8

Maximum s/h(1/2): C0_180=0.60 C90_270=0.60

Maximum s/h(1/4): C0_180=0.63 C90_270=0.63

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 91.74%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.354%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2024/9/13
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.25

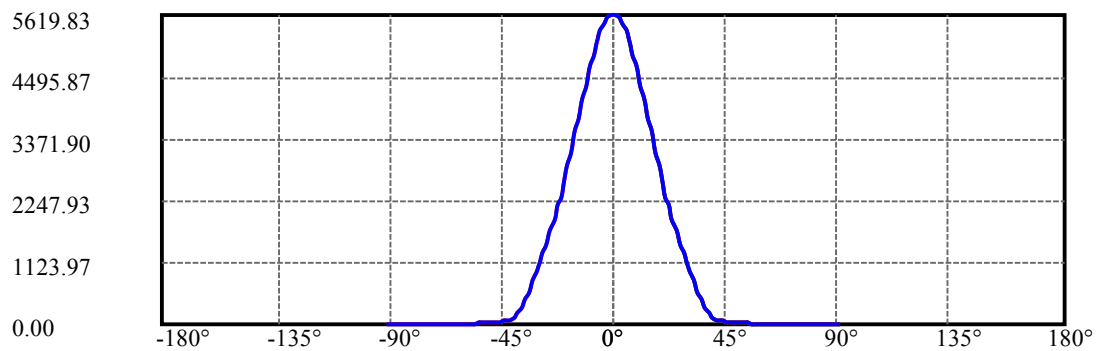
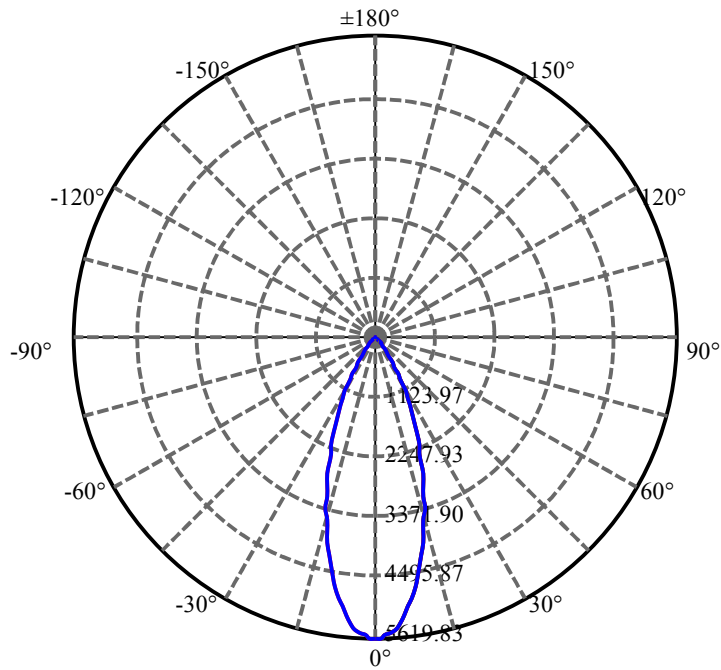
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	5619.831	0.000	0	0.00%	0.00%
1.0	5610.160	5.373	5.373	0.19%	0.21%
2.0	5568.425	16.045	21.418	0.57%	0.82%
3.0	5518.011	26.515	47.933	0.94%	1.84%
4.0	5438.064	36.673	84.607	1.29%	3.26%
5.0	5338.320	46.359	130.966	1.64%	5.04%
6.0	5214.220	55.456	186.422	1.96%	7.17%
7.0	5065.323	63.805	250.227	2.25%	9.63%
8.0	4899.423	71.316	321.543	2.52%	12.37%
9.0	4721.118	77.969	399.512	2.75%	15.37%
10.0	4530.027	83.719	483.232	2.96%	18.59%
11.0	4335.703	88.587	571.819	3.13%	22.00%
12.0	4135.066	92.598	664.416	3.27%	25.56%
13.0	3929.756	95.709	760.125	3.38%	29.25%
14.0	3722.496	97.948	858.074	3.46%	33.01%
15.0	3519.125	99.416	957.49	3.51%	36.84%
16.0	3314.644	100.134	1057.624	3.53%	40.69%
17.0	3101.739	99.920	1157.544	3.53%	44.54%
18.0	2904.012	99.022	1256.566	3.50%	48.35%
19.0	2706.226	97.607	1354.172	3.45%	52.10%
20.0	2511.075	95.491	1449.664	3.37%	55.78%
21.0	2320.516	92.776	1542.44	3.27%	59.35%
22.0	2152.264	89.882	1632.322	3.17%	62.80%
23.0	1970.706	86.511	1718.833	3.05%	66.13%
24.0	1843.663	83.396	1802.229	2.94%	69.34%
25.0	1700.548	80.588	1882.817	2.84%	72.44%
26.0	1572.401	77.258	1960.075	2.73%	75.41%
27.0	1424.069	73.309	2033.384	2.59%	78.23%
28.0	1281.566	68.501	2101.885	2.42%	80.87%
29.0	1159.371	63.862	2165.747	2.25%	83.33%
30.0	1060.041	59.924	2225.671	2.12%	85.63%
31.0	926.631	55.286	2280.957	1.95%	87.76%
32.0	801.013	49.495	2330.452	1.75%	89.66%
33.0	676.545	43.529	2373.981	1.54%	91.34%
34.0	555.533	37.286	2411.268	1.32%	92.77%
35.0	448.122	31.170	2442.437	1.10%	93.97%
36.0	349.048	25.382	2467.819	0.90%	94.95%
37.0	271.209	20.229	2488.049	0.71%	95.73%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	220.059	16.398	2504.447	0.58%	96.36%
39.0	156.833	12.864	2517.311	0.45%	96.85%
40.0	102.510	9.045	2526.356	0.32%	97.20%
41.0	83.785	6.634	2532.99	0.23%	97.46%
42.0	70.361	5.600	2538.59	0.20%	97.67%
43.0	60.651	4.853	2543.443	0.17%	97.86%
44.0	53.285	4.300	2547.744	0.15%	98.02%
45.0	47.083	3.857	2551.601	0.14%	98.17%
46.0	41.938	3.481	2555.082	0.12%	98.31%
47.0	37.365	3.154	2558.236	0.11%	98.43%
48.0	33.338	2.858	2561.095	0.10%	98.54%
49.0	29.882	2.596	2563.691	0.09%	98.64%
50.0	26.958	2.370	2566.061	0.08%	98.73%
51.0	24.468	2.176	2568.236	0.08%	98.81%
52.0	22.359	2.009	2570.246	0.07%	98.89%
53.0	20.611	1.869	2572.115	0.07%	98.96%
54.0	18.857	1.740	2573.854	0.06%	99.03%
55.0	17.424	1.620	2575.474	0.06%	99.09%
56.0	16.255	1.522	2576.996	0.05%	99.15%
57.0	15.184	1.437	2578.433	0.05%	99.20%
58.0	14.212	1.359	2579.793	0.05%	99.26%
59.0	13.298	1.286	2581.079	0.05%	99.31%
60.0	12.595	1.223	2582.302	0.04%	99.35%
61.0	11.787	1.164	2583.466	0.04%	99.40%
62.0	11.137	1.105	2584.57	0.04%	99.44%
63.0	10.486	1.052	2585.622	0.04%	99.48%
64.0	9.908	1.001	2586.623	0.04%	99.52%
65.0	9.369	0.954	2587.577	0.03%	99.56%
66.0	8.831	0.908	2588.485	0.03%	99.59%
67.0	8.344	0.864	2589.348	0.03%	99.62%
68.0	7.898	0.823	2590.171	0.03%	99.66%
69.0	7.470	0.784	2590.955	0.03%	99.69%
70.0	7.030	0.745	2591.7	0.03%	99.72%
71.0	6.616	0.705	2592.405	0.02%	99.74%
72.0	6.235	0.668	2593.073	0.02%	99.77%
73.0	5.854	0.632	2593.706	0.02%	99.79%
74.0	5.447	0.594	2594.3	0.02%	99.82%
75.0	5.092	0.557	2594.856	0.02%	99.84%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	4.711	0.520	2595.377	0.02%	99.86%
77.0	4.363	0.484	2595.861	0.02%	99.88%
78.0	3.988	0.447	2596.308	0.02%	99.89%
79.0	3.627	0.409	2596.717	0.01%	99.91%
80.0	3.265	0.372	2597.088	0.01%	99.92%
81.0	2.911	0.334	2597.422	0.01%	99.94%
82.0	2.595	0.299	2597.721	0.01%	99.95%
83.0	2.286	0.265	2597.986	0.01%	99.96%
84.0	2.017	0.234	2598.221	0.01%	99.97%
85.0	1.800	0.208	2598.429	0.01%	99.97%
86.0	1.544	0.183	2598.612	0.01%	99.98%
87.0	1.347	0.158	2598.77	0.01%	99.99%
88.0	1.130	0.136	2598.906	0.00%	99.99%
89.0	0.887	0.111	2599.016	0.00%	100.00%
90.0	0.723	0.088	2599.105	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2225.67	78.56%	85.63%
0-40	2526.36	89.18%	97.20%
0-60	2582.30	91.15%	99.35%
0-90	2599.02	91.74%	100.00%
0-120	2599.02	91.74%	100.00%
0-180	2599.10	91.74%	100.00%
60-90	16.71	0.59%	0.64%
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%
0-27.67	2079.28	73.40%	80.00%

ZONAL LUMEN SUMMARY	
0-10	483.23
10-20	966.43
20-30	776.01
30-40	300.69
40-50	39.70
50-60	16.24
60-70	9.40
70-80	5.39
80-90	1.93
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: —————

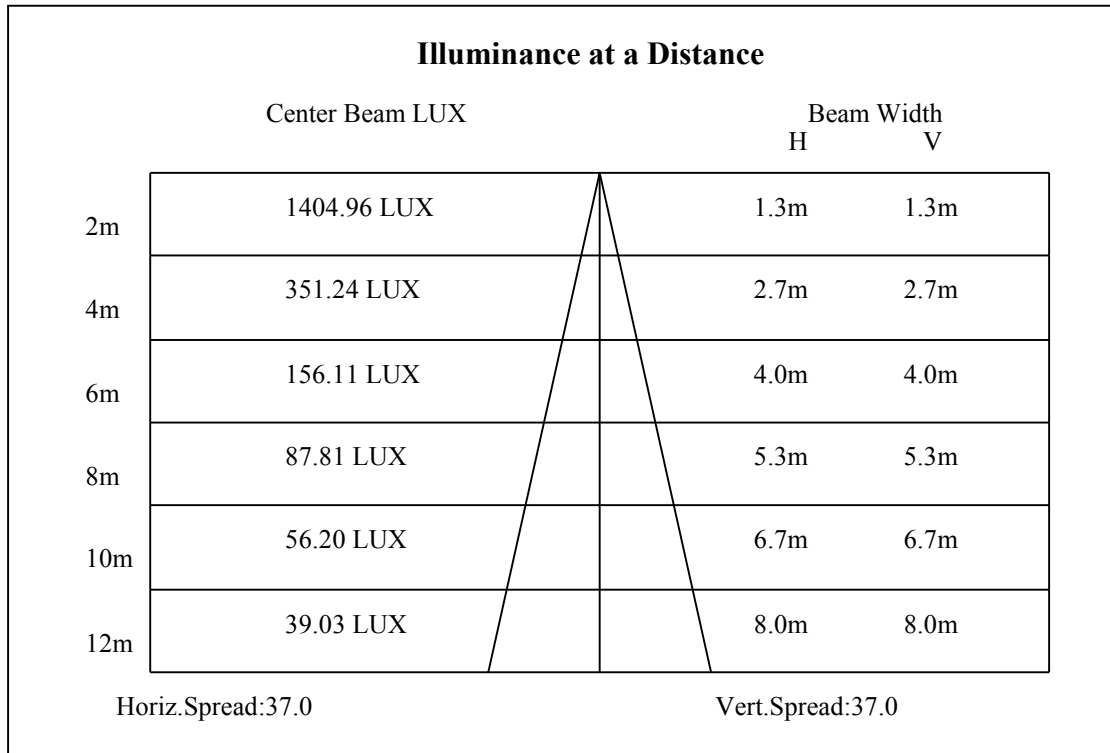
C90/C270: —————

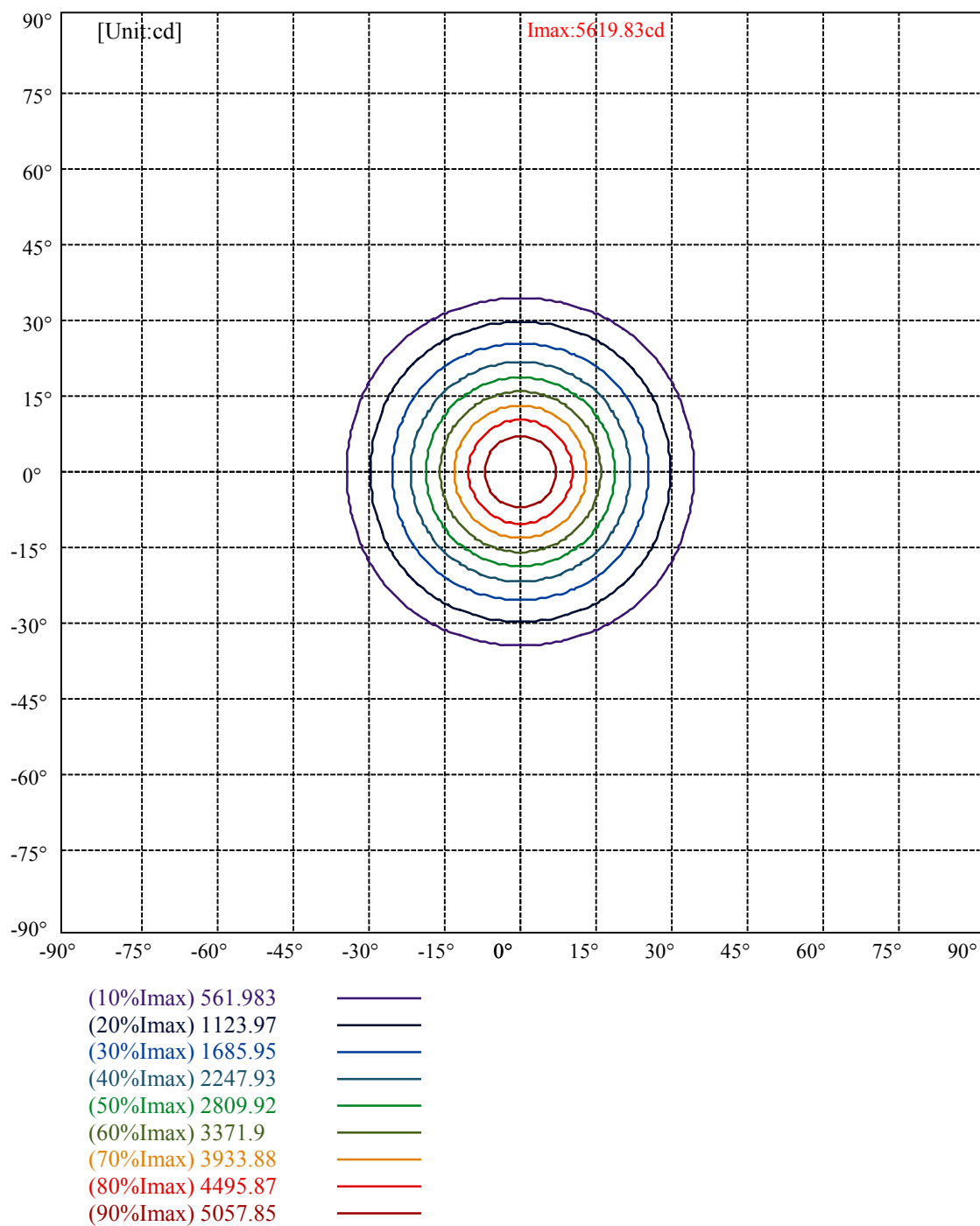
Field angle(10%Imax):C0/180Left:33.9 Right:33.9

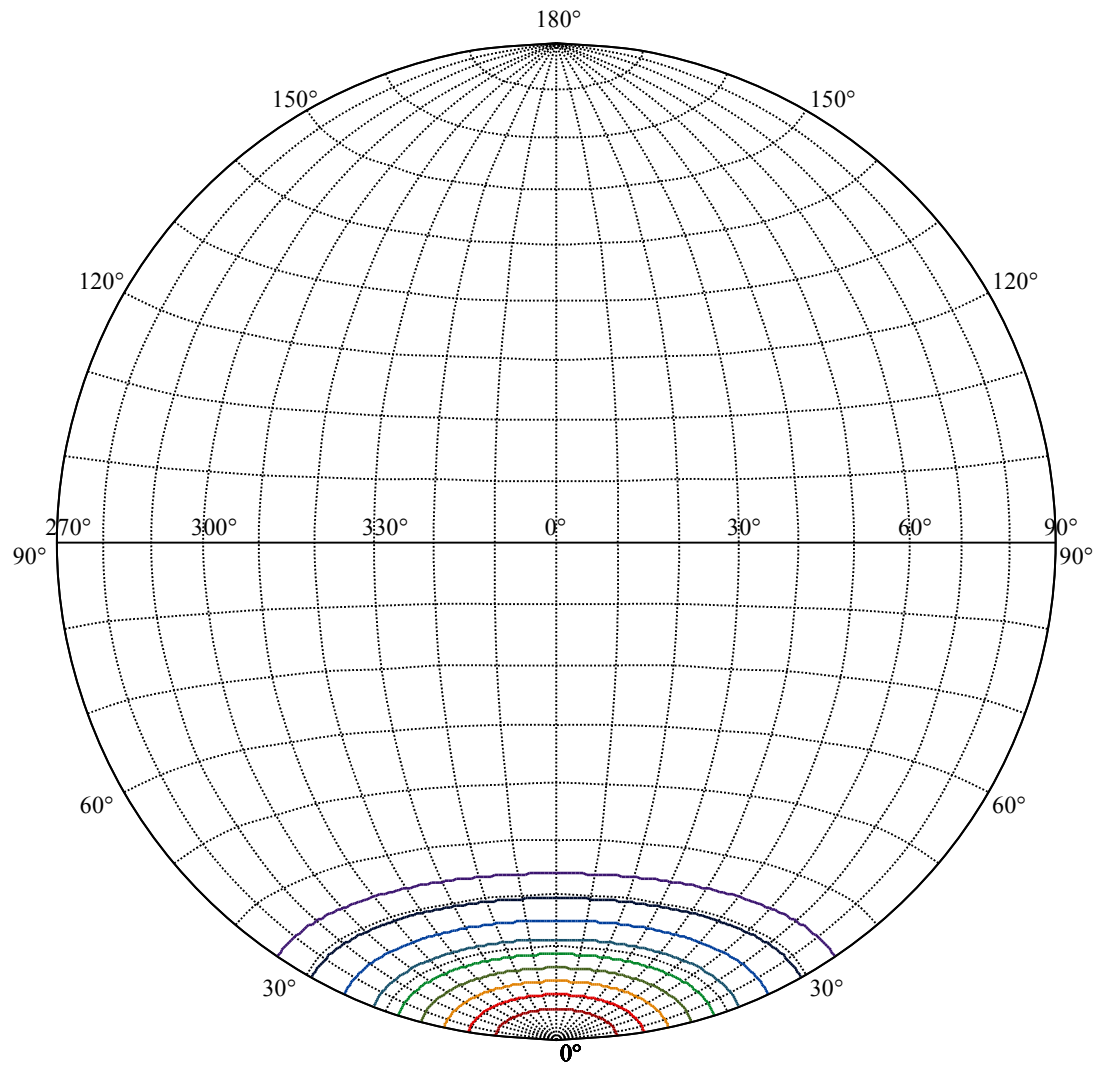
:C90/270Left:33.9 Right:33.9

Beam Angle(50%Imax):C0/180Left:18.5 Right:18.5

:C90/270Left:18.5 Right:18.5





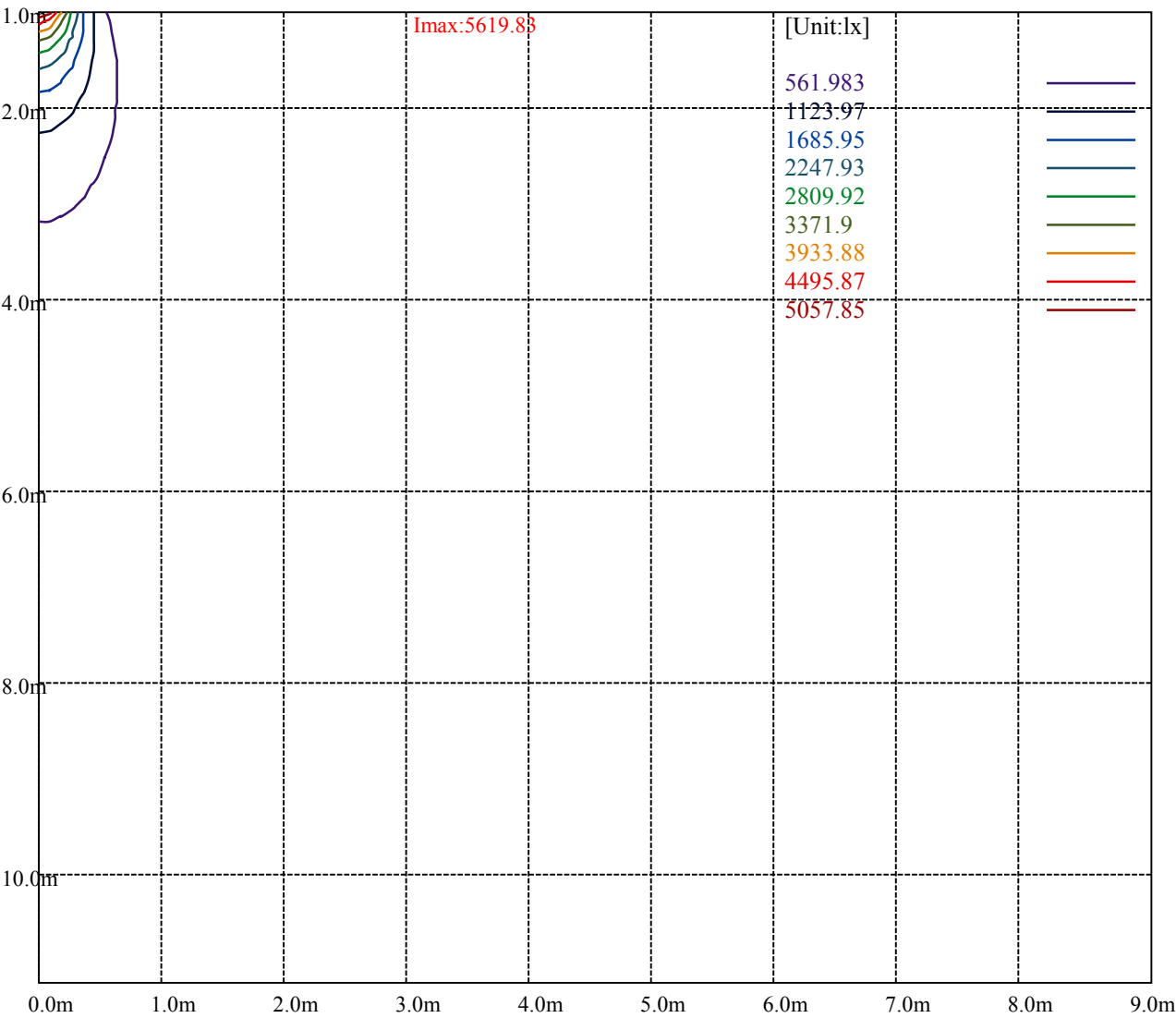


House

[Unit:cd]

Road

Imax:5619.83	
(10%Imax) 561.983	—
(20%Imax) 1123.97	—
(30%Imax) 1685.95	—
(40%Imax) 2247.93	—
(50%Imax) 2809.92	—
(60%Imax) 3371.9	—
(70%Imax) 3933.88	—
(80%Imax) 4495.87	—
(90%Imax) 5057.85	—



Luminance Table

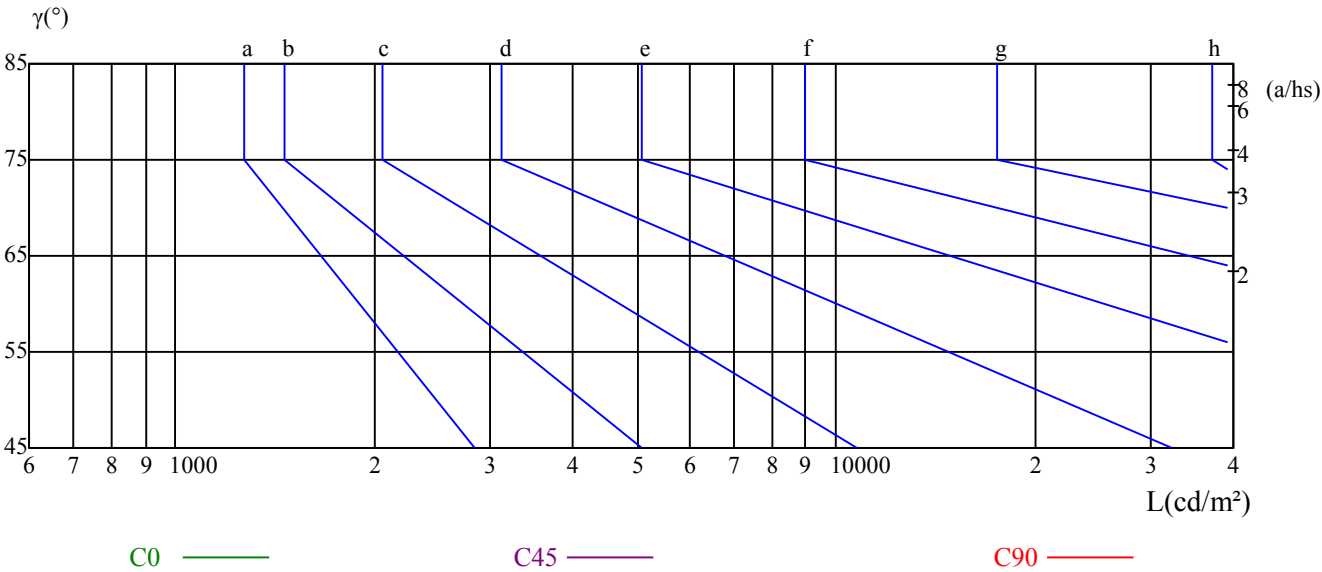
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

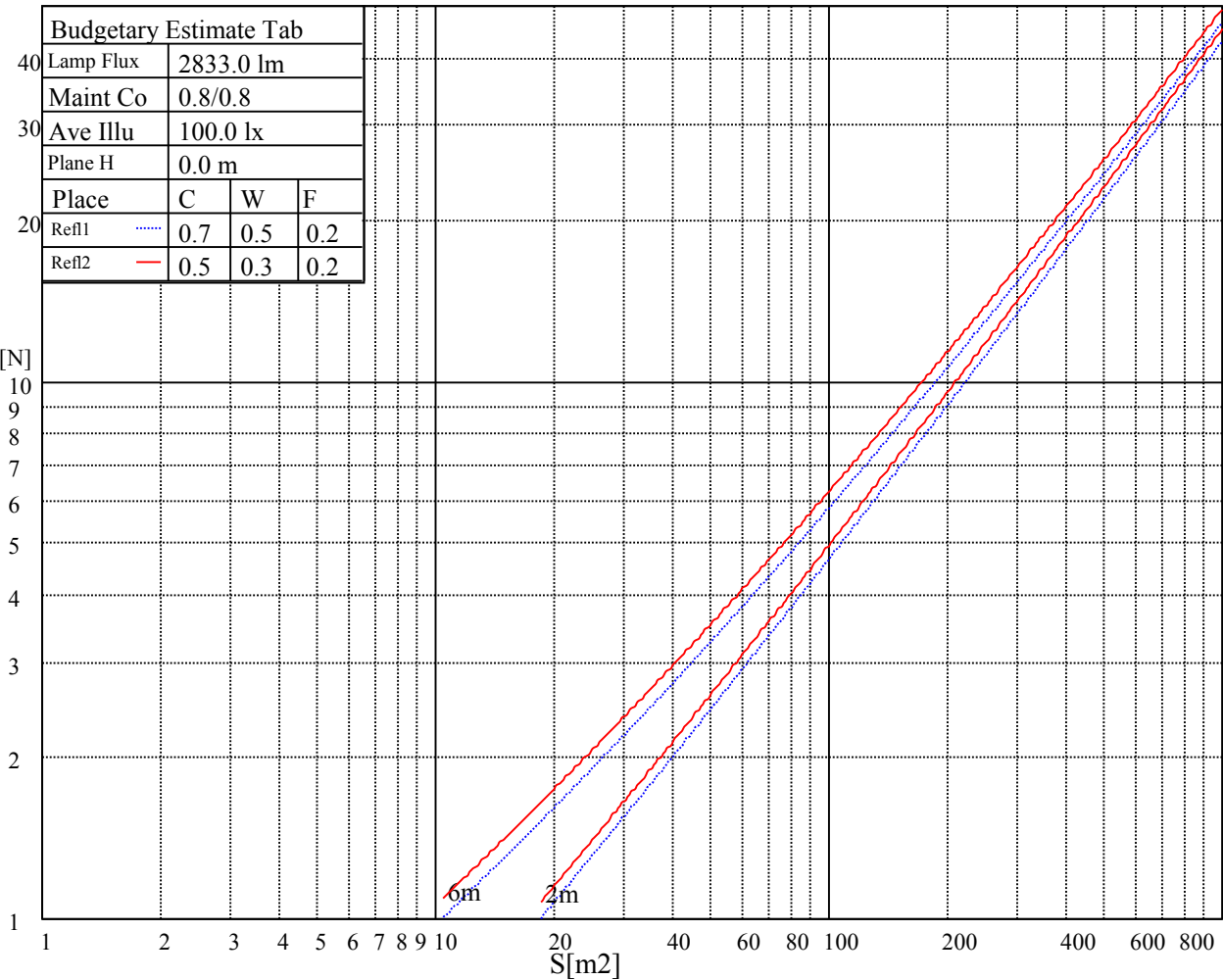
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

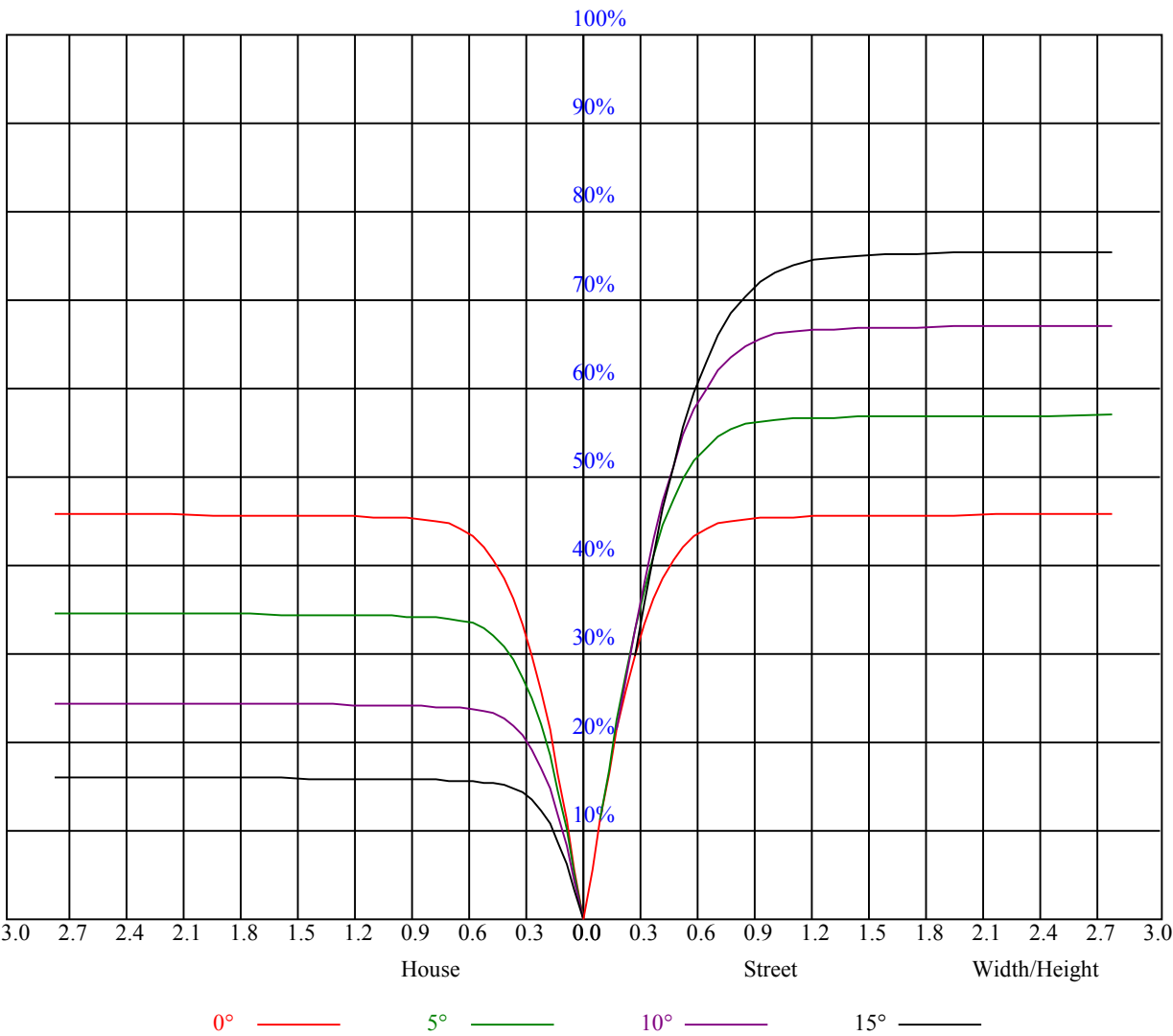


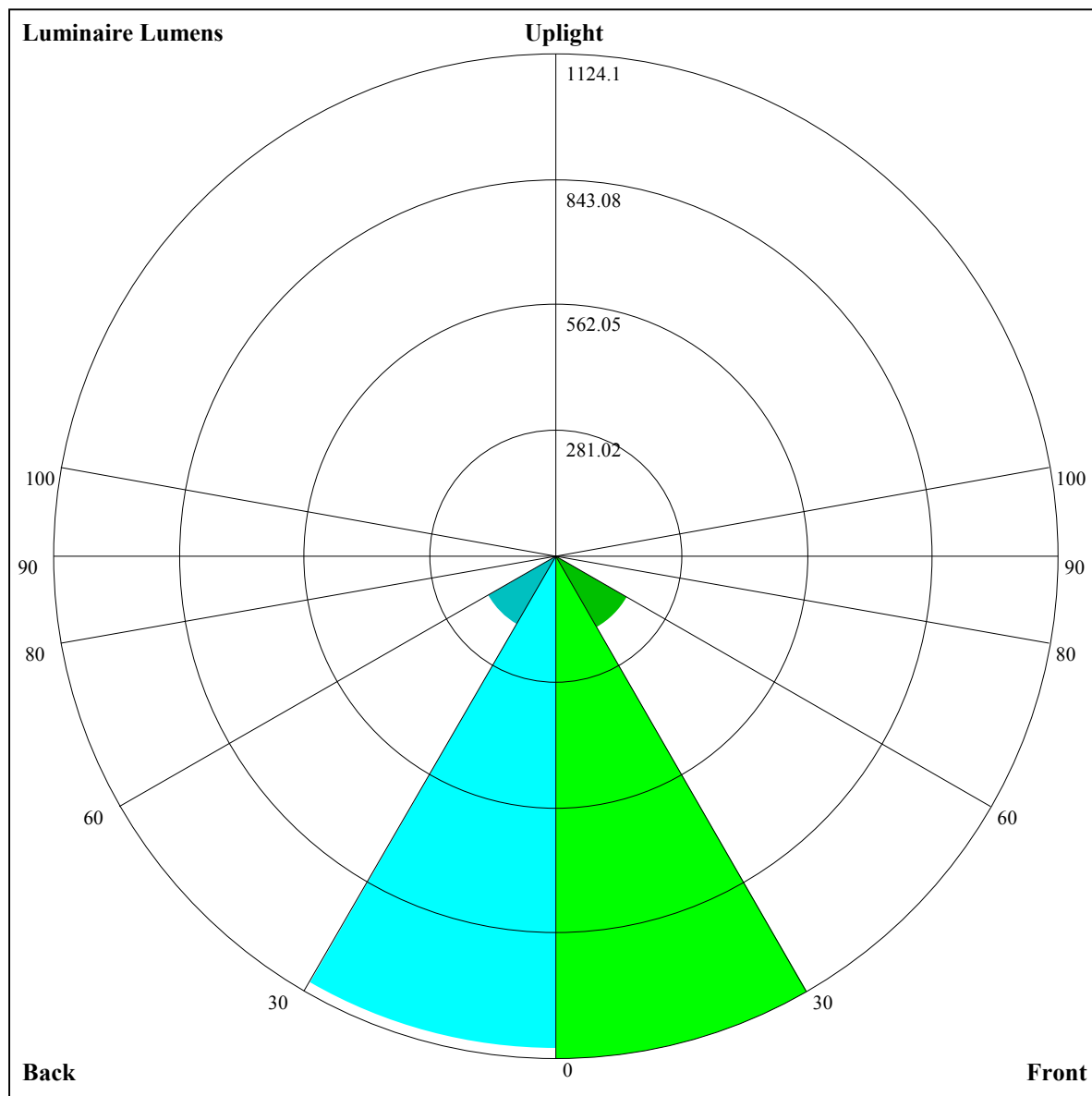
Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.92
1	1.02	1.00	0.99	1.00	0.99	0.97	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.87
2	0.96	0.93	0.90	0.95	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.86	0.87	0.85	0.84	0.82
3	0.91	0.87	0.84	0.90	0.86	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.79	0.78
4	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.81	0.79	0.76	0.80	0.77	0.75	0.74
5	0.82	0.77	0.74	0.81	0.77	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.70
6	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.73	0.70	0.68	0.67
7	0.74	0.69	0.66	0.74	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.64
8	0.71	0.66	0.63	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61
9	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.66	0.62	0.59	0.65	0.62	0.59	0.58
10	0.65	0.60	0.57	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.63	0.59	0.57	0.56





Luminaire Lumens:

FL=1124.1,FM=183.4,FH=7.42,FVH=1.03

BL=1102.5,BM=176.94,BH=7.37,BVH=1.01

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

Appendix Page: 18 Total:20

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	5639.90	5639.33	5601.43	5560.80	5486.11	5377.46	5252.10	5097.77	4920.59
45.0	5614.25	5629.29	5618.14	5579.72	5527.89	5443.21	5339.04	5198.64	5034.80
90.0	5613.15	5580.30	5473.28	5423.14	5316.17	5198.06	5048.21	4876.59	4691.05
135.0	5623.71	5591.97	5548.50	5465.50	5354.07	5255.46	5121.74	4978.56	4807.47
180.0	5639.90	5623.19	5584.19	5503.40	5430.97	5330.10	5197.49	5032.02	4875.49
225.0	5605.37	5564.69	5496.72	5437.07	5337.93	5205.84	5063.77	4897.77	4715.54
270.0	5598.64	5616.51	5604.21	5596.43	5532.94	5456.57	5356.85	5242.06	5103.92
315.0	5623.71	5636.01	5620.93	5578.04	5518.43	5439.85	5334.57	5199.17	5046.53
360.0	5639.90	5639.33	5601.43	5560.80	5486.11	5377.46	5252.10	5097.77	4920.59
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4737.83	4530.57	4328.31	4111.02	3882.06	3655.30	3440.79	3230.70	3005.63
45.0	4864.87	4681.01	4486.58	4283.21	4084.32	3867.02	3655.83	3447.47	3229.60
90.0	4503.82	4303.82	4111.02	3910.44	3696.51	3495.93	3298.72	3086.42	2871.33
135.0	4620.82	4428.08	4238.06	4043.05	3841.95	3648.57	3444.11	3242.42	3033.49
180.0	4695.51	4501.03	4306.03	4112.70	3913.23	3714.33	3516.54	3315.96	3105.92
225.0	4528.89	4335.04	4141.66	3951.70	3755.01	3549.44	3354.43	3154.96	2952.70
270.0	4945.66	4773.52	4586.87	4393.54	4194.59	3993.49	3794.01	3600.11	3394.54
315.0	4871.55	4687.16	4487.10	4274.86	4070.39	3855.88	3648.57	3439.11	3220.71
360.0	4737.83	4530.57	4328.31	4111.02	3882.06	3655.30	3440.79	3230.70	3005.63
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2792.23	2579.98	2372.67	2179.35	1999.95	1839.48	1755.38	1619.40	1488.46
45.0	3011.20	2830.12	2614.51	2411.67	2222.24	2038.37	1873.49	1725.84	1591.01
90.0	2663.55	2498.61	2262.92	2081.84	1944.23	1762.05	1653.93	1518.58	1393.22
135.0	2822.34	2614.51	2424.50	2238.95	2061.82	1896.88	1804.37	1606.05	1525.26
180.0	2904.76	2703.66	2585.55	2322.00	2215.56	2045.10	1832.22	1749.81	1622.18
225.0	2757.11	2564.89	2376.04	2202.74	2038.37	1880.74	1797.16	1662.29	1533.04
270.0	3183.34	3060.24	2782.19	2665.76	2472.43	2218.93	2114.17	1952.59	1801.58
315.0	3097.56	2797.80	2670.23	2461.82	2263.50	2084.10	1918.58	1769.83	1624.44
360.0	2792.23	2579.98	2372.67	2179.35	1999.95	1839.48	1755.38	1619.40	1488.46
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1373.14	1085.10	1085.10	1007.99	882.94	764.89	646.20	533.09	423.39
45.0	1460.08	1339.13	1216.56	1088.99	960.26	835.48	711.22	591.43	479.48
90.0	1081.84	1081.84	998.69	863.50	733.51	609.09	493.25	382.76	285.20
135.0	1402.10	1218.24	1136.93	1003.21	868.33	739.66	619.29	507.86	405.36
180.0	1499.61	1378.14	1251.67	1114.64	978.14	841.05	712.91	593.69	480.58
225.0	1412.72	1247.78	1063.50	1008.20	871.33	741.24	615.61	495.24	387.60
270.0	1671.22	1538.08	1416.61	1287.89	1149.70	1010.41	872.27	741.87	614.30
315.0	1491.83	1364.21	1105.92	1105.92	968.83	866.28	741.60	598.32	509.07
360.0	1373.14	1085.10	1085.10	1007.99	882.94	764.89	646.20	533.09	423.39
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	323.94	234.27	163.36	122.16	89.99	78.90	67.39	58.61	52.19
45.0	376.93	283.89	283.89	204.94	110.07	86.89	73.59	62.71	54.93
90.0	206.68	143.55	103.76	89.72	75.16	64.39	56.40	50.30	44.84
135.0	312.33	278.32	206.31	108.54	83.89	73.48	60.39	53.30	47.36
180.0	378.61	322.31	322.31	143.29	110.70	89.62	76.64	65.81	57.24
225.0	291.41	209.25	145.28	118.74	85.41	77.37	65.86	56.40	50.30
270.0	497.29	388.07	308.96	308.96	152.59	108.54	85.10	71.59	60.81
315.0	405.20	310.01	226.60	158.32	112.27	91.09	77.53	66.49	58.61
360.0	323.94	234.27	163.36	122.16	89.99	78.90	67.39	58.61	52.19

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	46.36	41.26	36.79	33.01	29.75	26.91	24.55	22.60	20.71
45.0	48.88	43.63	38.90	34.59	30.91	27.86	25.23	23.07	21.18
90.0	39.89	35.58	31.91	28.75	26.02	23.65	21.71	19.87	18.29
135.0	41.00	37.21	33.17	29.59	26.60	24.18	22.02	20.18	18.61
180.0	51.04	45.52	40.74	36.32	32.54	29.22	26.54	24.28	22.29
225.0	44.78	39.84	35.58	31.80	28.54	25.86	23.50	21.55	19.76
270.0	52.88	46.68	41.26	36.69	32.64	29.12	26.23	23.71	21.71
315.0	51.83	45.78	40.58	35.95	32.06	28.86	25.97	23.60	22.34
360.0	46.36	41.26	36.79	33.01	29.75	26.91	24.55	22.60	20.71
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.03	17.66	16.40	15.30	14.24	13.35	12.88	11.77	11.04
45.0	19.40	17.87	16.61	15.45	14.61	13.61	12.83	12.04	11.35
90.0	16.98	15.87	14.77	13.77	12.93	12.19	11.62	10.88	10.14
135.0	17.19	15.93	14.88	13.93	13.09	12.30	11.56	10.88	10.51
180.0	20.50	18.92	17.56	16.29	15.66	14.24	13.35	12.88	12.09
225.0	18.13	16.87	15.72	14.61	13.61	12.72	12.30	11.35	10.99
270.0	19.92	18.24	16.93	16.19	14.77	14.14	13.25	12.40	11.67
315.0	19.71	18.03	17.19	15.93	14.77	13.82	12.98	12.09	11.30
360.0	19.03	17.66	16.40	15.30	14.24	13.35	12.88	11.77	11.04
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	10.67	9.78	9.41	8.88	8.36	7.88	7.46	6.99	6.57
45.0	10.62	10.04	9.51	8.94	8.46	7.94	7.62	7.10	6.73
90.0	9.67	9.20	8.62	8.20	7.73	7.36	6.89	6.52	6.04
135.0	9.72	9.41	8.88	8.41	7.94	7.57	7.25	6.73	6.36
180.0	11.25	10.62	10.09	9.41	8.83	8.41	7.94	7.52	6.99
225.0	10.30	9.67	9.15	8.62	8.20	7.67	7.25	6.89	6.52
270.0	11.04	10.46	9.83	9.30	8.83	8.41	7.88	7.46	7.04
315.0	10.62	10.09	9.46	8.88	8.41	7.94	7.46	7.04	6.68
360.0	10.67	9.78	9.41	8.88	8.36	7.88	7.46	6.99	6.57
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	6.10	5.78	5.31	4.94	4.57	4.15	3.84	3.36	3.05
45.0	6.36	5.94	5.57	5.15	4.78	4.57	3.99	3.78	3.42
90.0	5.73	5.31	4.94	4.52	4.15	3.78	3.47	3.05	2.68
135.0	5.99	5.68	5.20	4.89	4.57	4.15	3.84	3.42	3.10
180.0	6.62	6.20	5.78	5.41	4.99	4.63	4.21	3.99	3.47
225.0	6.10	5.68	5.31	4.99	4.63	4.15	3.84	3.57	3.15
270.0	6.73	6.36	5.94	5.57	5.20	4.89	4.57	4.10	3.84
315.0	6.25	5.89	5.52	5.26	4.78	4.57	4.15	3.73	3.42
360.0	6.10	5.78	5.31	4.94	4.57	4.15	3.84	3.36	3.05
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.73	2.47	2.16	1.89	1.73	1.42	1.26	1.05	0.79
45.0	3.00	2.63	2.31	2.05	1.84	1.58	1.37	1.16	0.89
90.0	2.42	2.21	1.89	1.68	1.47	1.26	1.10	0.89	0.79
135.0	2.79	2.42	2.10	1.89	1.68	1.42	1.21	1.00	0.63
180.0	3.10	2.73	2.42	2.16	1.84	1.68	1.37	1.21	0.95
225.0	2.84	2.52	2.21	2.00	1.79	1.52	1.37	1.10	0.89
270.0	3.47	3.10	2.79	2.37	2.16	1.94	1.68	1.42	1.16
315.0	2.94	2.68	2.42	2.10	1.89	1.52	1.42	1.21	1.00
360.0	2.73	2.47	2.16	1.89	1.73	1.42	1.26	1.05	0.79

Intensity data(cd)

Appendix Page: 20 Total:20

C/ $\gamma(^{\circ})$	90.0
0.0	0.79
45.0	0.68
90.0	0.68
135.0	0.63
180.0	0.63
225.0	0.63
270.0	0.89
315.0	0.84
360.0	0.79