



NATA LIGHTING CO.,LED
www.nata.cn
Email:info@nata.cn
Tel:+86 0750-377 0000 (10 lines) Fax:+86 0750-377 1111
Address:380 JinOu Road, JiangMen City, GuangDong, China 529040

NT

Client: NT

LumCAT: 1-1596-L

Luminaire: 92.70.410.00 LED HOLDER

Report No: 20250314-B002

Ballast type: AC

Test No: 20250314-C002

Voltage(V): 34.820

LampCAT: LUMILEDS LUXEON COB 1203 Current(A): 0.301

Lamp flux(lm): 1561.2 Power (W): 10.480

Number of Lamps: 1 PF: 0.000

Length(mm): 45 Width(mm): 45

Phm Type: C Height(mm): 32

Photometric Results

Lumens(lm): 1486.05, Efficiency(%): 95.19% , Luminous Efficacy(lm/W): 141.80

Central intensity(cd): 6002.746, Maximum intensity(cd): 6261.735

Angle of maximum intensity: C=135.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=23.9

[C90/270]Total=24.1

Field angle(10%Imax): [C0/180]Total=53.2

[C90/270]Total=53.4

Maximum s/h(1/2): C0_180=0.50 C90_270=0.41

Maximum s/h(1/4): C0_180=0.49 C90_270=0.43

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.09%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 100.050%

Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2025/3/14
Humidity(%): 60.0%

Operator: NT
Distance(m): 7.30

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6111.191	0.000	0	0.00%	0.00%
1.0	6074.354	5.831	5.831	0.37%	0.39%
2.0	5976.700	17.297	23.127	1.11%	1.56%
3.0	5849.337	28.284	51.411	1.81%	3.46%
4.0	5656.494	38.514	89.925	2.47%	6.05%
5.0	5400.768	47.568	137.493	3.05%	9.25%
6.0	5135.784	55.372	192.865	3.55%	12.98%
7.0	4829.433	61.854	254.719	3.96%	17.14%
8.0	4500.833	66.775	321.494	4.28%	21.63%
9.0	4158.445	70.179	391.673	4.50%	26.36%
10.0	3807.730	72.091	463.764	4.62%	31.21%
11.0	3458.481	72.604	536.368	4.65%	36.09%
12.0	3118.891	71.900	608.268	4.61%	40.93%
13.0	2790.557	70.130	678.399	4.49%	45.65%
14.0	2482.608	67.496	745.895	4.32%	50.19%
15.0	2208.497	64.402	810.296	4.13%	54.53%
16.0	1939.316	60.777	871.073	3.89%	58.62%
17.0	1703.641	56.731	927.804	3.63%	62.43%
18.0	1487.237	52.611	980.415	3.37%	65.97%
19.0	1354.479	49.440	1029.855	3.17%	69.30%
20.0	1181.672	46.419	1076.273	2.97%	72.43%
21.0	1079.562	43.420	1119.693	2.78%	75.35%
22.0	984.906	41.486	1161.18	2.66%	78.14%
23.0	891.782	39.378	1200.558	2.52%	80.79%
24.0	806.038	37.120	1237.678	2.38%	83.29%
25.0	729.460	34.914	1272.592	2.24%	85.64%
26.0	659.490	32.786	1305.378	2.10%	87.84%
27.0	585.251	30.453	1335.831	1.95%	89.89%
28.0	511.790	27.775	1363.606	1.78%	91.76%
29.0	435.959	24.796	1388.402	1.59%	93.43%
30.0	362.652	21.562	1409.964	1.38%	94.88%
31.0	293.388	18.257	1428.221	1.17%	96.11%
32.0	244.235	15.402	1443.623	0.99%	97.15%
33.0	171.141	12.237	1455.86	0.78%	97.97%
34.0	127.796	9.047	1464.907	0.58%	98.58%
35.0	85.750	6.632	1471.539	0.42%	99.02%
36.0	47.621	4.247	1475.785	0.27%	99.31%
37.0	27.864	2.462	1478.247	0.16%	99.48%

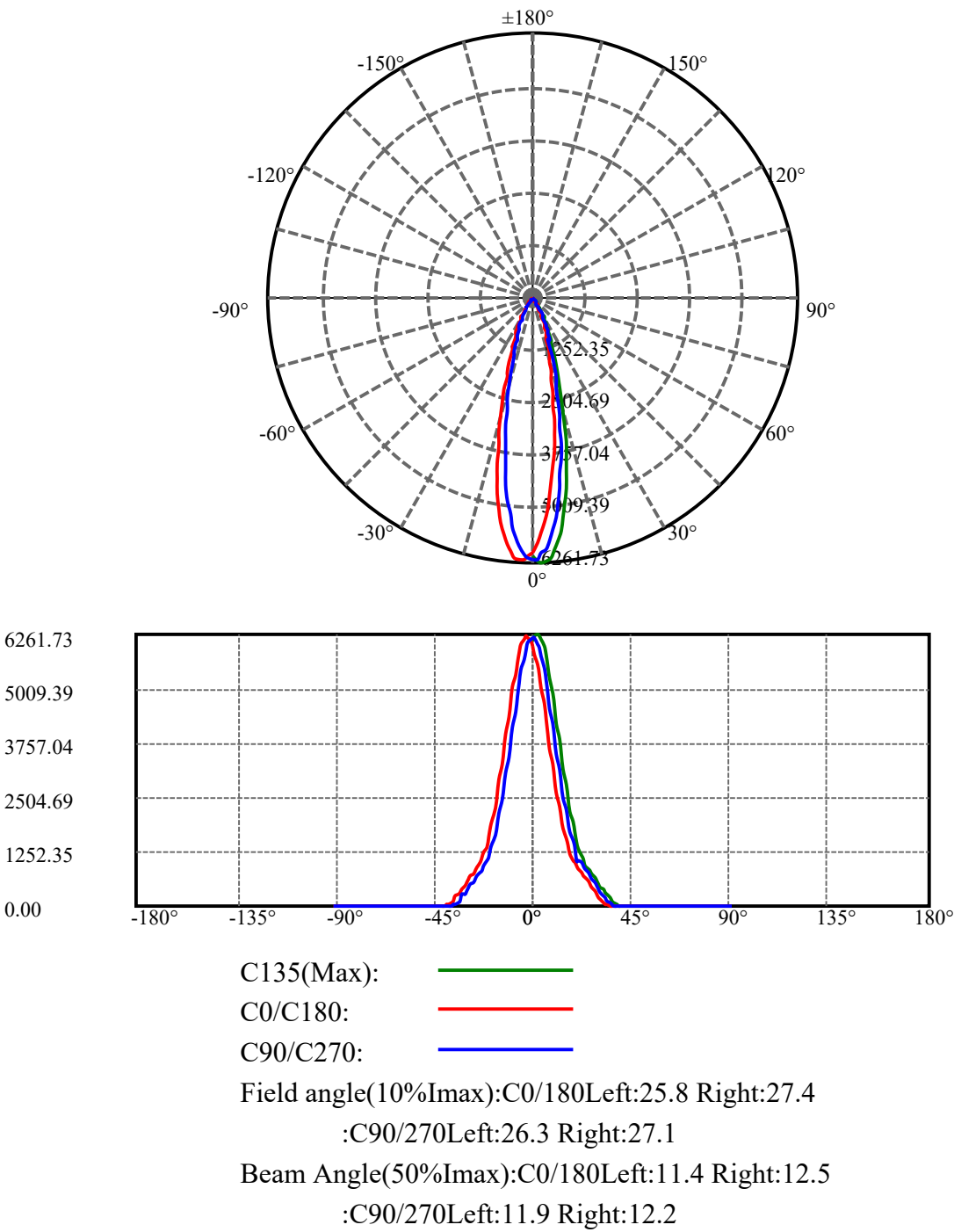
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	16.333	1.475	1479.723	0.09%	99.57%
39.0	10.412	0.913	1480.635	0.06%	99.64%
40.0	7.934	0.640	1481.275	0.04%	99.68%
41.0	6.515	0.514	1481.79	0.03%	99.71%
42.0	5.436	0.434	1482.224	0.03%	99.74%
43.0	4.576	0.371	1482.595	0.02%	99.77%
44.0	3.937	0.321	1482.916	0.02%	99.79%
45.0	3.404	0.282	1483.198	0.02%	99.81%
46.0	2.991	0.250	1483.448	0.02%	99.83%
47.0	2.625	0.223	1483.672	0.01%	99.84%
48.0	2.351	0.201	1483.873	0.01%	99.85%
49.0	2.112	0.183	1484.056	0.01%	99.87%
50.0	1.878	0.166	1484.222	0.01%	99.88%
51.0	1.699	0.151	1484.374	0.01%	99.89%
52.0	1.512	0.138	1484.512	0.01%	99.90%
53.0	1.372	0.125	1484.637	0.01%	99.91%
54.0	1.246	0.115	1484.752	0.01%	99.91%
55.0	1.146	0.107	1484.859	0.01%	99.92%
56.0	1.013	0.098	1484.957	0.01%	99.93%
57.0	0.933	0.089	1485.046	0.01%	99.93%
58.0	0.833	0.082	1485.127	0.01%	99.94%
59.0	0.766	0.075	1485.202	0.00%	99.94%
60.0	0.693	0.069	1485.271	0.00%	99.95%
61.0	0.613	0.062	1485.333	0.00%	99.95%
62.0	0.573	0.057	1485.39	0.00%	99.96%
63.0	0.513	0.053	1485.443	0.00%	99.96%
64.0	0.480	0.049	1485.492	0.00%	99.96%
65.0	0.433	0.045	1485.537	0.00%	99.97%
66.0	0.393	0.041	1485.578	0.00%	99.97%
67.0	0.380	0.039	1485.617	0.00%	99.97%
68.0	0.333	0.036	1485.653	0.00%	99.97%
69.0	0.306	0.033	1485.686	0.00%	99.98%
70.0	0.293	0.031	1485.717	0.00%	99.98%
71.0	0.266	0.029	1485.746	0.00%	99.98%
72.0	0.246	0.027	1485.772	0.00%	99.98%
73.0	0.220	0.024	1485.797	0.00%	99.98%
74.0	0.187	0.021	1485.818	0.00%	99.98%
75.0	0.187	0.020	1485.838	0.00%	99.99%

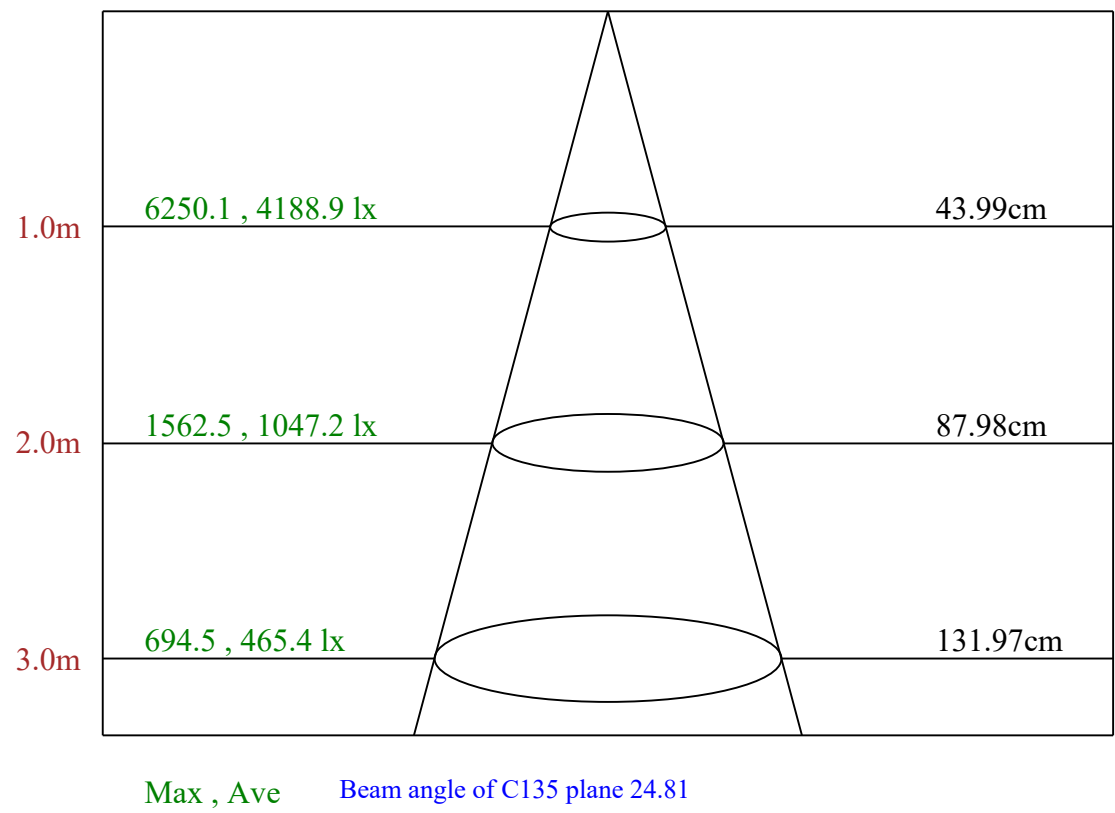
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	0.173	0.019	1485.857	0.00%	99.99%
77.0	0.147	0.017	1485.874	0.00%	99.99%
78.0	0.140	0.015	1485.889	0.00%	99.99%
79.0	0.160	0.016	1485.905	0.00%	99.99%
80.0	0.147	0.017	1485.922	0.00%	99.99%
81.0	0.127	0.015	1485.937	0.00%	99.99%
82.0	0.113	0.013	1485.95	0.00%	99.99%
83.0	0.107	0.012	1485.961	0.00%	99.99%
84.0	0.127	0.013	1485.974	0.00%	100.00%
85.0	0.100	0.012	1485.987	0.00%	100.00%
86.0	0.100	0.011	1485.997	0.00%	100.00%
87.0	0.113	0.012	1486.009	0.00%	100.00%
88.0	0.107	0.012	1486.021	0.00%	100.00%
89.0	0.120	0.012	1486.034	0.00%	100.00%
90.0	0.107	0.012	1486.046	0.00%	100.00%

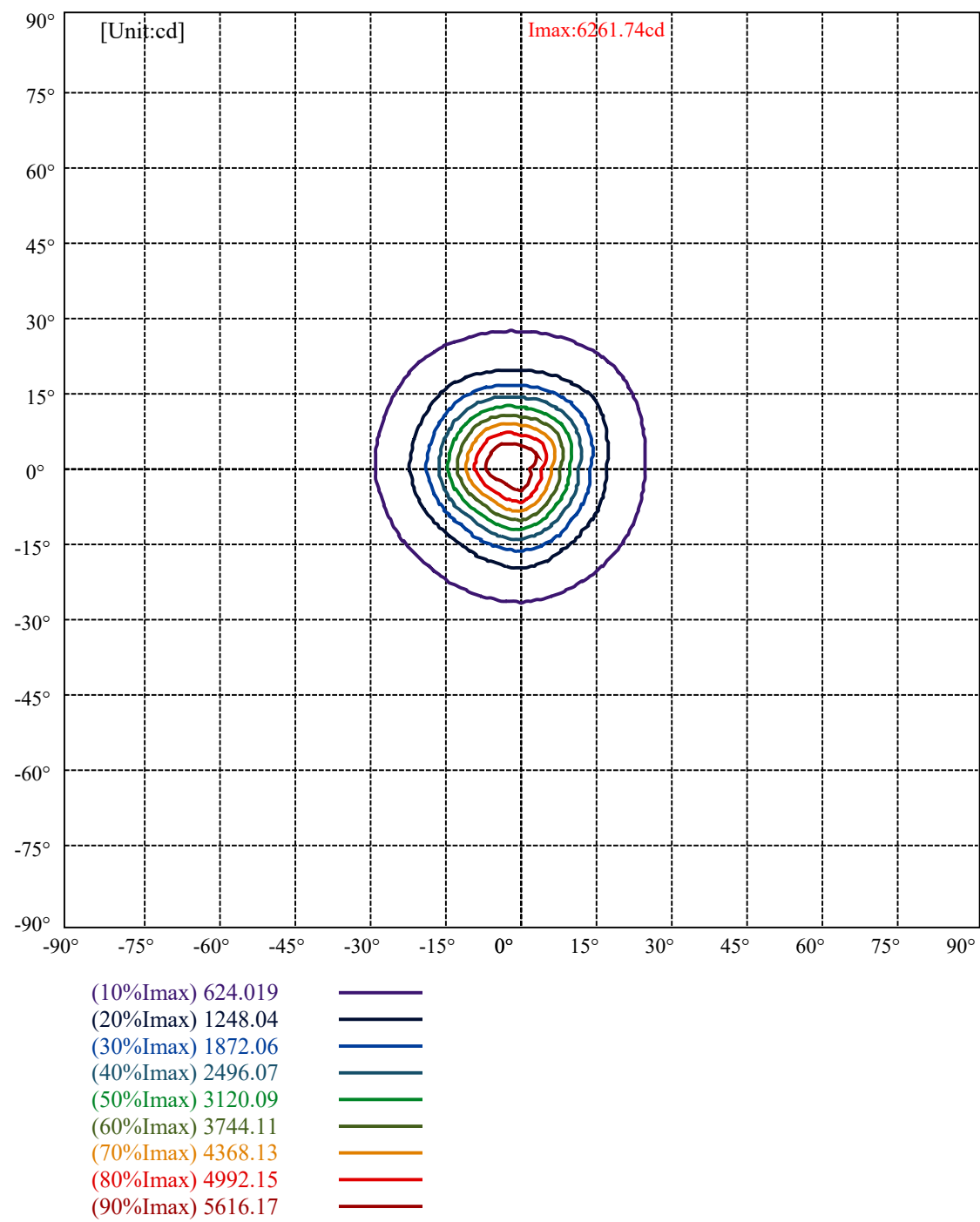
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1409.96	90.31%	94.88%
0-40	1481.28	94.88%	99.68%
0-60	1485.27	95.14%	99.95%
0-90	1486.03	95.19%	100.00%
0-120	1486.03	95.19%	100.00%
0-180	1486.05	95.19%	100.00%
60-90	0.76	0.05%	0.05%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-22.70	1188.84	76.15%	80.00%

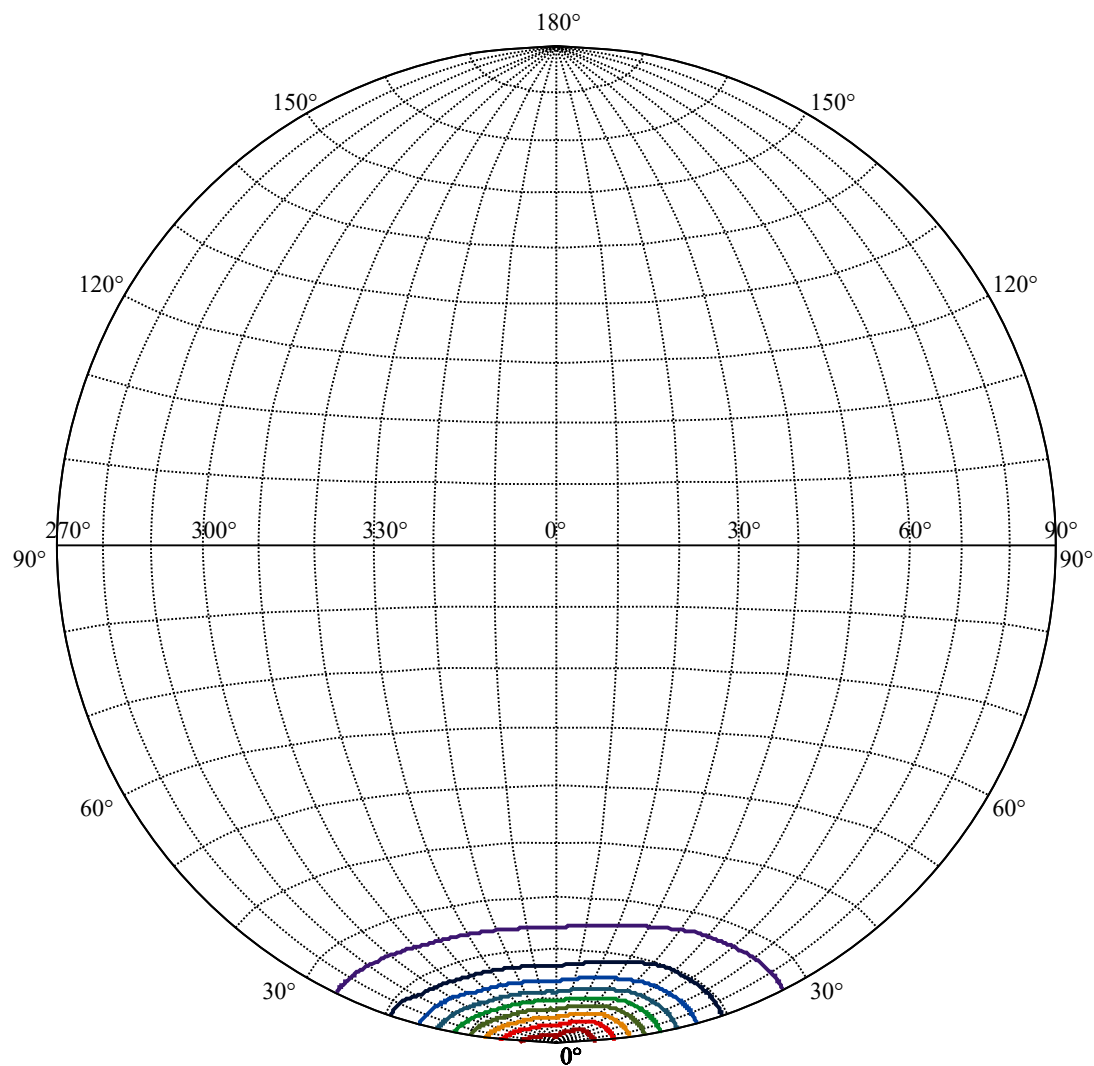
ZONAL LUMEN SUMMARY

0-10	463.76
10-20	612.51
20-30	333.69
30-40	71.31
40-50	2.95
50-60	1.05
60-70	0.45
70-80	0.21
80-90	0.11
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







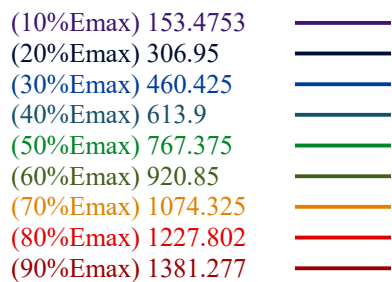


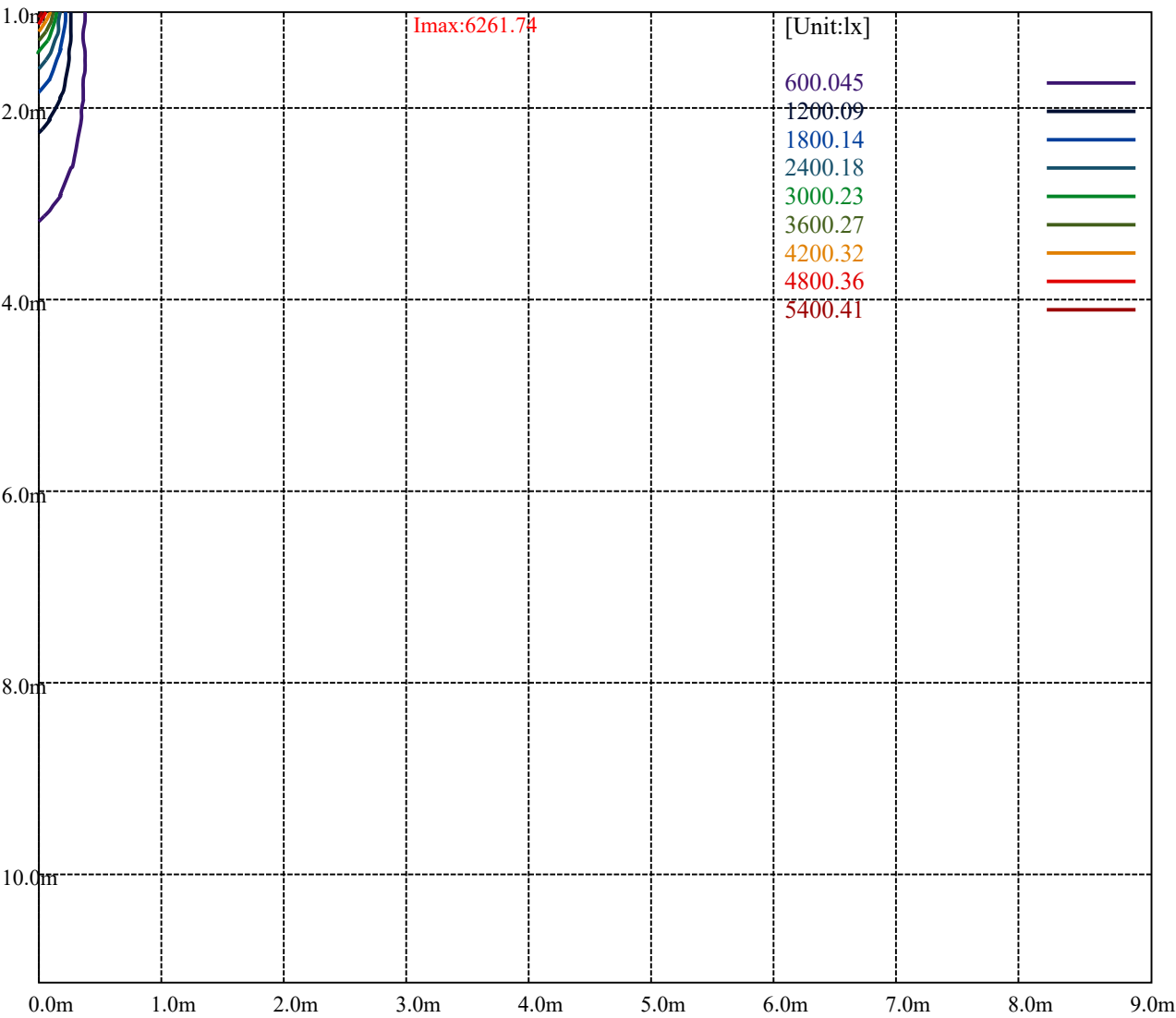
House

[Unit:cd]

Road

Imax:6261.74	
(10%Imax) 626.158	
(20%Imax) 1252.32	
(30%Imax) 1878.47	
(40%Imax) 2504.63	
(50%Imax) 3130.79	
(60%Imax) 3756.95	
(70%Imax) 4383.1	
(80%Imax) 5009.26	
(90%Imax) 5635.42	





Luminance Table

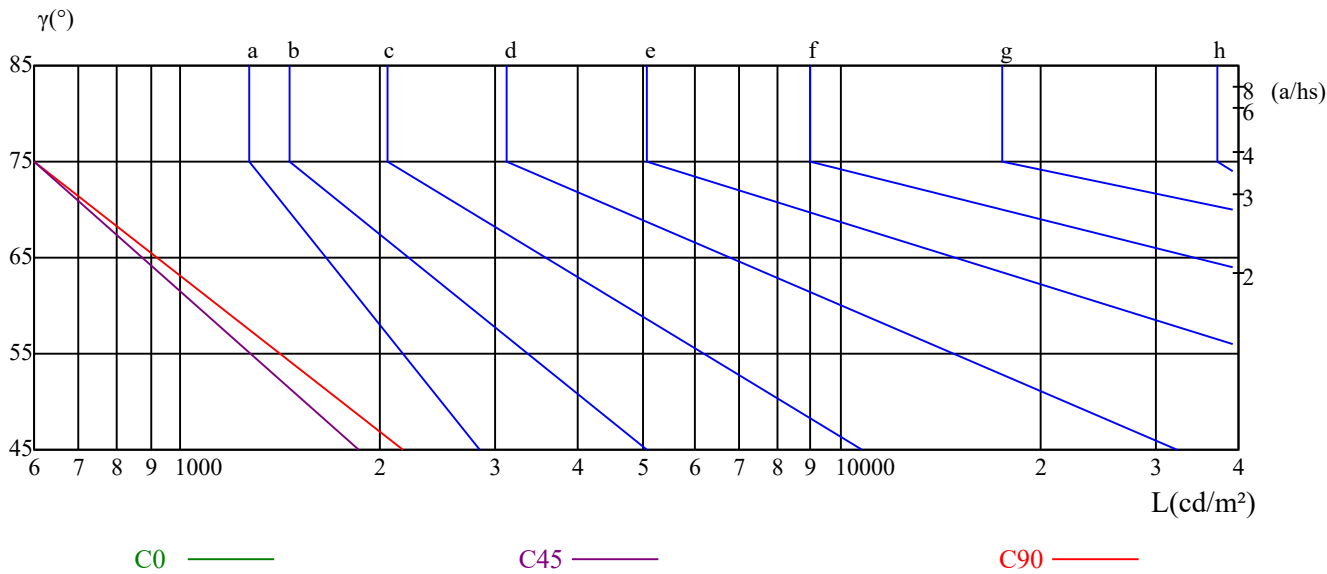
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	83	60	66
C45	1856	0	0	0	0	0	64	45	48
C90	2175	0	0	0	0	0	83	0	66

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	153	153	76	302	302	151

Glare Table

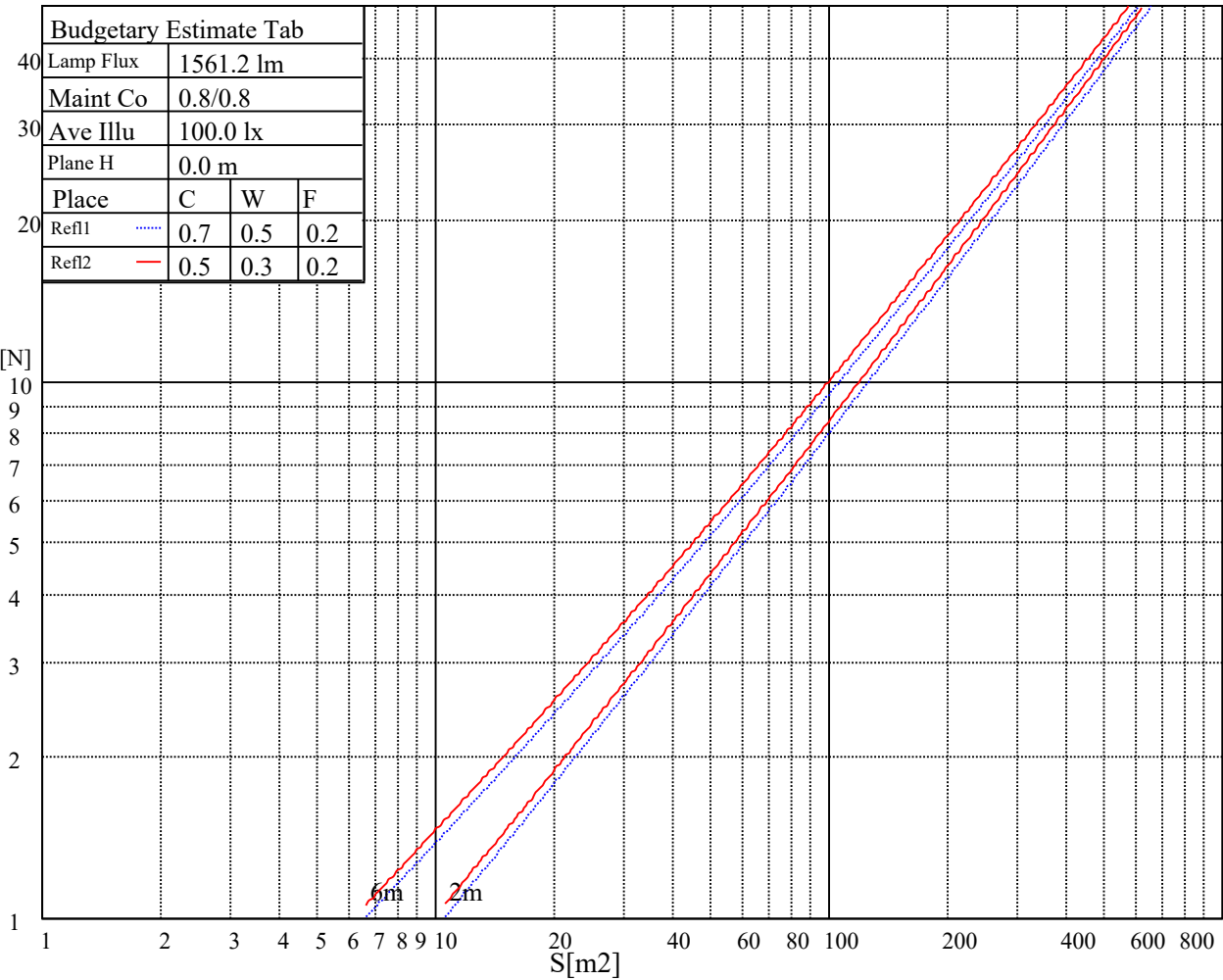
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

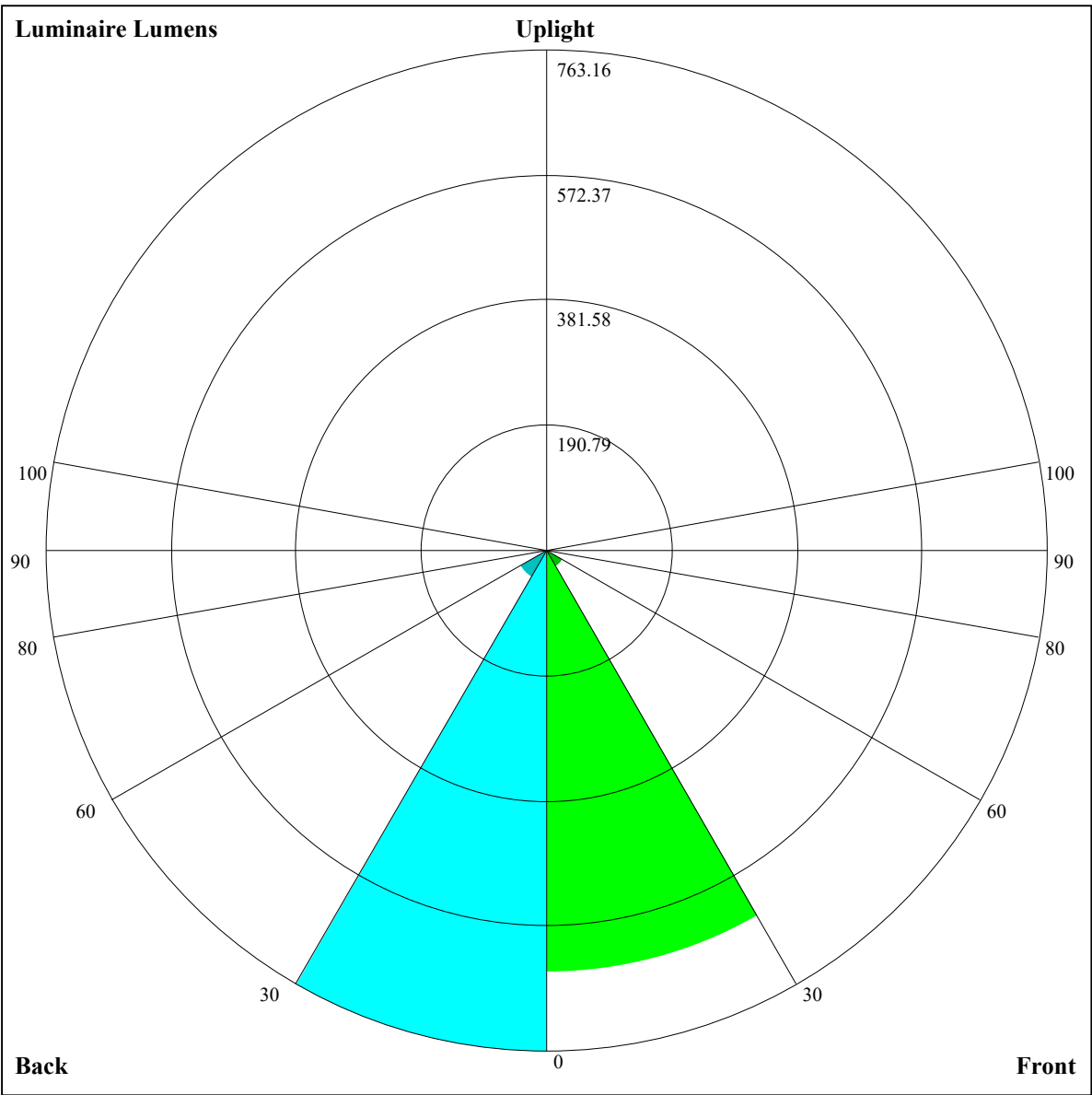


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	7.04	7.91	7.40	8.22	8.54	11.22	12.10	11.59	12.41	12.73
	3H	6.81	7.59	7.20	7.93	8.28	11.00	11.78	11.39	12.11	12.46
	4H	6.70	7.42	7.10	7.78	8.15	10.88	11.60	11.29	11.96	12.33
	6H	6.60	7.26	7.03	7.64	8.04	10.79	11.44	11.21	11.82	12.22
	8H	6.53	7.15	6.95	7.54	7.95	10.71	11.33	11.13	11.72	12.13
	12H	6.45	7.04	6.88	7.44	7.86	10.63	11.22	11.06	11.62	12.04
4H	2H	6.70	7.42	7.10	7.77	8.14	10.88	11.60	11.29	11.96	12.33
	3H	6.44	7.04	6.86	7.44	7.85	10.62	11.22	11.04	11.62	12.04
	4H	6.35	6.87	6.79	7.29	7.74	10.53	11.05	10.97	11.47	11.92
	6H	6.20	6.65	6.67	7.11	7.56	10.38	10.83	10.85	11.29	11.74
	8H	6.14	6.56	6.62	7.02	7.49	10.31	10.73	10.80	11.19	11.67
	12H	6.08	6.47	6.57	6.92	7.45	10.26	10.64	10.75	11.10	11.62
8H	4H	6.13	6.55	6.62	7.02	7.49	10.31	10.73	10.80	11.19	11.67
	6H	5.97	6.31	6.48	6.79	7.31	10.15	10.49	10.65	10.97	11.48
	8H	5.95	6.23	6.49	6.76	7.26	10.13	10.41	10.66	10.93	11.43
	12H	5.90	6.10	6.44	6.62	7.15	10.07	10.28	10.61	10.79	11.32
12H	4H	6.08	6.46	6.57	6.92	7.44	10.25	10.64	10.75	11.10	11.62
	6H	5.95	6.23	6.49	6.76	7.25	10.12	10.41	10.66	10.93	11.43
	8H	5.89	6.10	6.44	6.62	7.15	10.07	10.27	10.61	10.79	11.32
Variation with the observer position at spacings:											
S = 1.0H		7.1/-19.9					6.9/-16.5				
S = 1.5H		9.9/-21.4					9.7/-18.1				
S = 2.0H		11.9/-22.0					11.7/-18.1				
Standard tables:		BK0					BK0				
Uncorrected UGR		-8.0					-12.2				

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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.13	1.13	1.13	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	0.97	0.97	0.97	0.95
1	1.07	1.05	1.04	1.05	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92
2	1.02	0.99	0.97	1.00	0.98	0.96	0.97	0.95	0.93	0.95	0.93	0.92	0.92	0.91	0.90	0.88
3	0.97	0.94	0.91	0.96	0.93	0.90	0.94	0.91	0.89	0.92	0.89	0.88	0.90	0.88	0.86	0.85
4	0.93	0.89	0.86	0.92	0.89	0.86	0.90	0.87	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.82
5	0.90	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.79
6	0.86	0.82	0.79	0.86	0.82	0.79	0.84	0.81	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.76
7	0.83	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
8	0.80	0.76	0.73	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.75	0.72	0.72
9	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
10	0.75	0.71	0.69	0.75	0.71	0.69	0.74	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.67



Luminaire Lumens:

FL=643.49,FM=29.06,FH=0.29,FVH=0.06

BL=763.16,BM=47.57,BH=0.36,BVH=0.06

UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

Appendix Page: 17 Total:19

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	6002.75	5783.19	5542.32	5320.63	5007.82	4667.83	4317.72	3969.73	3614.29
45.0	6137.57	6108.79	6032.05	5890.84	5688.87	5435.21	5144.24	4824.50	4477.05
90.0	6187.13	6169.54	6036.85	5934.00	5739.49	5494.89	5208.72	4891.12	4554.86
135.0	6117.32	6224.96	6261.73	6227.63	6147.69	5984.09	5778.39	5531.13	5243.90
180.0	6002.75	6118.38	6201.52	6208.44	6149.83	6019.80	5839.15	5611.06	5343.02
225.0	6137.57	6090.67	5968.64	5867.39	5673.95	5329.69	5161.30	4845.82	4511.16
270.0	6187.13	6158.35	6052.31	5882.84	5671.81	5427.21	5139.45	4824.50	4481.85
315.0	6117.32	5940.93	5718.18	5462.92	5172.49	4847.42	4497.30	4137.60	3780.55
360.0	6002.75	5783.19	5542.32	5320.63	5007.82	4667.83	4317.72	3969.73	3614.29

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3265.24	2917.25	2591.65	2293.76	2017.72	1775.25	1565.82	1387.30	1186.93
45.0	4123.74	3770.43	3422.98	3077.66	2747.79	2438.71	2158.40	1907.41	1683.06
90.0	4201.54	3839.17	3488.52	3146.40	2812.81	2504.26	2213.29	1956.44	1729.95
135.0	4919.36	4570.31	4203.68	3849.30	3486.39	3132.01	2797.88	2481.88	2190.91
180.0	5047.79	4713.66	4352.89	3982.52	3614.29	3256.18	2904.46	2571.40	2263.39
225.0	4159.44	3800.27	3444.29	3098.97	2759.52	2438.71	2144.55	1877.03	1640.43
270.0	4127.47	3768.83	3417.65	3072.86	2747.26	2436.58	2147.75	1884.49	1649.49
315.0	3422.98	3081.92	2746.19	2429.65	2138.69	1879.17	1735.82	1448.58	1284.98
360.0	3265.24	2917.25	2591.65	2293.76	2017.72	1775.25	1565.82	1387.30	1186.93

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1045.55	1003.45	943.50	854.77	782.03	718.88	649.71	568.98	492.08
45.0	1492.81	1357.99	1219.44	1096.87	991.35	899.16	821.89	754.21	689.20
90.0	1530.12	1363.85	1060.52	1060.52	1018.37	923.20	840.01	767.96	700.92
135.0	1927.13	1694.78	1493.35	1323.35	1178.93	1102.20	946.59	856.00	806.97
180.0	1985.75	1836.00	1609.52	1344.67	1250.34	1113.39	997.75	898.63	815.50
225.0	1440.59	1209.84	1031.37	1031.37	925.65	834.95	761.03	697.41	627.65
270.0	1444.85	1338.80	1128.31	1052.10	940.73	817.10	771.27	707.85	637.51
315.0	1031.11	1031.11	967.37	872.84	791.84	725.38	660.05	584.64	506.10
360.0	1045.55	1003.45	943.50	854.77	782.03	718.88	649.71	568.98	492.08

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	414.12	340.36	266.82	200.96	142.60	92.35	50.68	23.71	12.31
45.0	614.06	536.26	457.92	382.78	304.98	291.12	212.04	134.24	68.32
90.0	630.79	552.03	470.44	391.04	313.45	239.54	175.75	118.73	70.93
135.0	739.83	673.21	599.67	522.40	444.07	369.99	296.99	267.68	206.87
180.0	747.82	681.74	605.53	527.73	452.06	377.99	307.64	277.27	218.81
225.0	548.19	474.60	396.74	325.34	256.91	192.59	137.59	87.98	47.06
270.0	561.84	486.16	411.03	338.02	281.00	281.00	130.56	83.61	45.78
315.0	425.36	349.96	279.51	212.95	152.04	109.30	57.87	29.15	15.93
360.0	414.12	340.36	266.82	200.96	142.60	92.35	50.68	23.71	12.31

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	10.23	8.10	6.39	5.54	4.58	4.05	3.52	2.98	2.72
45.0	43.91	19.66	11.62	9.59	7.67	6.18	5.28	4.48	3.78
90.0	35.01	15.29	11.56	9.54	8.37	6.08	5.44	4.64	4.00
135.0	107.38	62.30	34.59	13.64	11.24	9.65	7.19	6.08	5.12
180.0	119.32	83.19	37.94	21.21	13.27	10.82	8.74	6.93	5.92
225.0	23.23	12.63	10.55	9.27	6.45	5.33	4.85	4.21	3.57
270.0	31.07	12.84	11.14	8.95	7.09	5.92	5.06	4.32	3.73
315.0	10.82	8.90	6.87	5.54	4.80	4.10	3.41	2.98	2.66
360.0	10.23	8.10	6.39	5.54	4.58	4.05	3.52	2.98	2.72

Intensity data(cd)

Appendix Page: 18 Total:19

C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	2.40	2.24	2.03	1.76	1.60	1.44	1.33	1.17	1.07
45.0	3.30	2.93	2.61	2.29	2.08	1.87	1.71	1.44	1.33
90.0	3.46	2.98	2.66	2.40	2.13	1.87	1.71	1.55	1.39
135.0	4.37	3.73	3.25	2.88	2.61	2.29	2.08	1.81	1.71
180.0	5.01	4.26	3.68	3.25	2.93	2.61	2.29	2.08	1.87
225.0	3.09	2.72	2.34	2.18	1.92	1.71	1.55	1.44	1.28
270.0	3.25	2.88	2.56	2.34	2.08	1.81	1.71	1.49	1.33
315.0	2.34	2.18	1.87	1.71	1.55	1.44	1.23	1.12	1.01
360.0	2.40	2.24	2.03	1.76	1.60	1.44	1.33	1.17	1.07
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	1.01	0.91	0.75	0.69	0.64	0.59	0.53	0.48	0.48
45.0	1.23	1.17	1.01	0.91	0.85	0.75	0.69	0.64	0.53
90.0	1.23	1.12	1.01	0.91	0.80	0.75	0.69	0.59	0.59
135.0	1.49	1.33	1.23	1.12	1.01	0.96	0.80	0.75	0.69
180.0	1.71	1.60	1.33	1.28	1.17	1.01	0.96	0.85	0.75
225.0	1.12	1.07	0.96	0.91	0.75	0.69	0.69	0.53	0.53
270.0	1.23	1.12	1.01	0.96	0.80	0.80	0.64	0.59	0.59
315.0	0.96	0.85	0.80	0.69	0.64	0.59	0.53	0.48	0.43
360.0	1.01	0.91	0.75	0.69	0.64	0.59	0.53	0.48	0.48
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	0.43	0.37	0.37	0.32	0.32	0.32	0.27	0.21	0.21
45.0	0.48	0.48	0.43	0.37	0.32	0.32	0.32	0.27	0.21
90.0	0.48	0.43	0.43	0.37	0.37	0.37	0.32	0.27	0.27
135.0	0.59	0.59	0.48	0.53	0.48	0.37	0.37	0.37	0.32
180.0	0.75	0.69	0.53	0.53	0.59	0.48	0.43	0.43	0.43
225.0	0.48	0.43	0.43	0.37	0.37	0.27	0.27	0.32	0.27
270.0	0.53	0.48	0.43	0.37	0.37	0.32	0.27	0.27	0.27
315.0	0.37	0.37	0.37	0.27	0.21	0.21	0.21	0.21	0.16
360.0	0.43	0.37	0.37	0.32	0.32	0.32	0.27	0.21	0.21
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	0.21	0.21	0.16	0.16	0.16	0.16	0.11	0.11	0.11
45.0	0.27	0.21	0.16	0.16	0.16	0.16	0.11	0.16	0.11
90.0	0.27	0.21	0.21	0.16	0.21	0.11	0.11	0.16	0.16
135.0	0.27	0.27	0.27	0.21	0.21	0.21	0.21	0.21	0.21
180.0	0.32	0.32	0.21	0.27	0.21	0.16	0.16	0.21	0.16
225.0	0.21	0.16	0.16	0.21	0.16	0.11	0.16	0.16	0.16
270.0	0.27	0.21	0.16	0.16	0.16	0.16	0.16	0.16	0.16
315.0	0.16	0.16	0.16	0.16	0.11	0.11	0.11	0.11	0.11
360.0	0.21	0.21	0.16	0.16	0.16	0.16	0.11	0.11	0.11
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.16	0.11	0.11	0.16	0.11	0.11	0.11	0.16	0.16
45.0	0.11	0.11	0.11	0.16	0.11	0.11	0.16	0.11	0.16
90.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.16	0.11
135.0	0.16	0.16	0.11	0.16	0.16	0.11	0.11	0.11	0.11
180.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.16
225.0	0.11	0.11	0.11	0.11	0.05	0.11	0.11	0.11	0.11
270.0	0.16	0.11	0.11	0.11	0.11	0.11	0.11	0.05	0.11
315.0	0.11	0.11	0.11	0.11	0.05	0.05	0.11	0.05	0.05
360.0	0.16	0.11	0.11	0.16	0.11	0.11	0.11	0.16	0.16

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.16
45.0	0.11
90.0	0.16
135.0	0.11
180.0	0.11
225.0	0.05
270.0	0.05
315.0	0.11
360.0	0.16