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NT

Client: NT

LumCAT: 1-1602-L

Luminaire: 92.70.410.00 LED HOLDER

Report No: 20250317-B001

Ballast type: DC

Test No: 20250317-C001

Voltage(V): 35.000

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

Lamp flux(lm): 1718.2 Power (W): 10.535

Number of Lamps: 1 PF: 0.000

Length(mm): 50 Width(mm): 50

Phm Type: C Height(mm): 33

Photometric Results

Lumens(lm): 1660.85, Efficiency(%): 96.66% , Luminous Efficacy(lm/W): 157.65

Central intensity(cd): 9607.112, Maximum intensity(cd): 9790.873

Angle of maximum intensity: C=135.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=16.1

[C90/270]Total=16.0

Field angle(10%Imax): [C0/180]Total=46.0

[C90/270]Total=45.9

Maximum s/h(1/2): C0_180=0.31 C90_270=0.26

Maximum s/h(1/4): C0_180=0.35 C90_270=0.31

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.34%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.953%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9688.897	0.000	0	0.00%	0.00%
1.0	9593.798	9.226	9.226	0.54%	0.56%
2.0	9230.300	27.018	36.245	1.57%	2.18%
3.0	8717.936	42.926	79.171	2.50%	4.77%
4.0	8042.440	56.102	135.273	3.27%	8.14%
5.0	7297.814	65.993	201.266	3.84%	12.12%
6.0	6462.406	72.314	273.58	4.21%	16.47%
7.0	5682.447	75.383	348.963	4.39%	21.01%
8.0	4906.439	75.783	424.745	4.41%	25.57%
9.0	4267.373	74.349	499.094	4.33%	30.05%
10.0	3712.726	72.217	571.311	4.20%	34.40%
11.0	3263.932	69.711	641.022	4.06%	38.60%
12.0	2885.364	67.221	708.243	3.91%	42.64%
13.0	2574.536	64.795	773.038	3.77%	46.54%
14.0	2308.991	62.509	835.547	3.64%	50.31%
15.0	2076.291	60.203	895.75	3.50%	53.93%
16.0	1856.173	57.622	953.371	3.35%	57.40%
17.0	1684.775	55.142	1008.514	3.21%	60.72%
18.0	1506.355	52.615	1061.128	3.06%	63.89%
19.0	1314.459	49.076	1110.205	2.86%	66.85%
20.0	1245.110	46.847	1157.052	2.73%	69.67%
21.0	1151.657	46.023	1203.075	2.68%	72.44%
22.0	1060.691	44.458	1247.533	2.59%	75.11%
23.0	967.999	42.567	1290.1	2.48%	77.68%
24.0	879.505	40.393	1330.493	2.35%	80.11%
25.0	791.802	38.002	1368.495	2.21%	82.40%
26.0	712.424	35.507	1404.003	2.07%	84.54%
27.0	642.614	33.151	1437.154	1.93%	86.53%
28.0	578.063	30.905	1468.059	1.80%	88.39%
29.0	516.885	28.647	1496.706	1.67%	90.12%
30.0	448.231	26.058	1522.764	1.52%	91.69%
31.0	381.113	23.079	1545.843	1.34%	93.08%
32.0	314.573	19.931	1565.774	1.16%	94.28%
33.0	255.151	16.784	1582.558	0.98%	95.29%
34.0	227.543	14.608	1597.166	0.85%	96.17%
35.0	143.109	11.511	1608.677	0.67%	96.86%
36.0	78.442	7.054	1615.731	0.41%	97.28%
37.0	42.443	3.943	1619.674	0.23%	97.52%

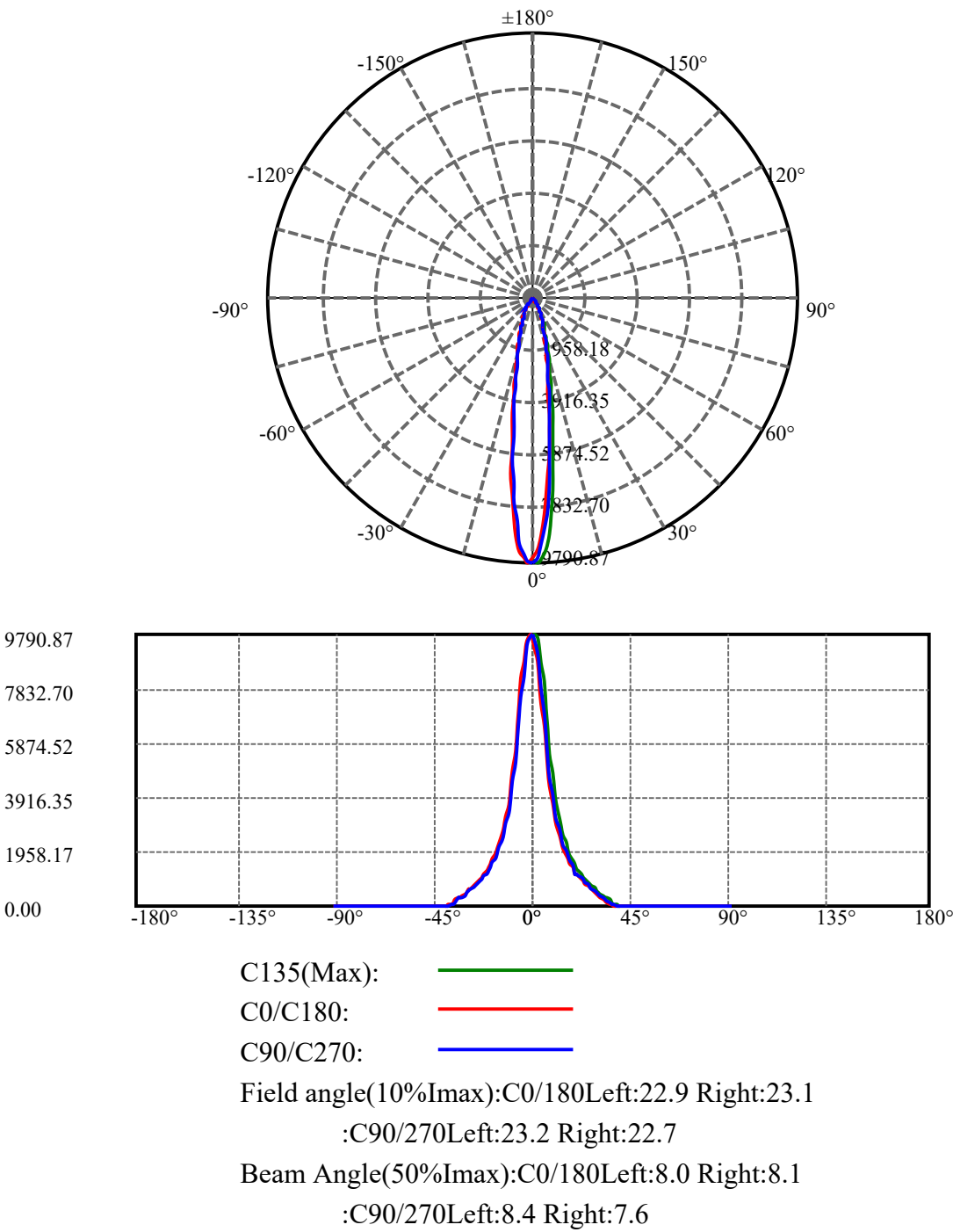
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	21.822	2.145	1621.819	0.12%	97.65%
39.0	13.285	1.198	1623.017	0.07%	97.72%
40.0	11.690	0.871	1623.888	0.05%	97.77%
41.0	10.717	0.798	1624.686	0.05%	97.82%
42.0	9.861	0.748	1625.434	0.04%	97.87%
43.0	9.451	0.715	1626.149	0.04%	97.91%
44.0	9.122	0.701	1626.85	0.04%	97.95%
45.0	8.837	0.690	1627.54	0.04%	97.99%
46.0	8.617	0.683	1628.223	0.04%	98.04%
47.0	8.464	0.679	1628.902	0.04%	98.08%
48.0	8.332	0.679	1629.581	0.04%	98.12%
49.0	8.222	0.680	1630.261	0.04%	98.16%
50.0	8.120	0.681	1630.942	0.04%	98.20%
51.0	8.025	0.683	1631.625	0.04%	98.24%
52.0	7.937	0.685	1632.31	0.04%	98.28%
53.0	7.864	0.687	1632.998	0.04%	98.32%
54.0	7.827	0.692	1633.689	0.04%	98.36%
55.0	7.754	0.696	1634.385	0.04%	98.41%
56.0	7.718	0.699	1635.084	0.04%	98.45%
57.0	7.681	0.704	1635.788	0.04%	98.49%
58.0	7.623	0.708	1636.496	0.04%	98.53%
59.0	7.586	0.711	1637.207	0.04%	98.58%
60.0	7.557	0.715	1637.922	0.04%	98.62%
61.0	7.527	0.720	1638.642	0.04%	98.66%
62.0	7.491	0.724	1639.366	0.04%	98.71%
63.0	7.440	0.726	1640.092	0.04%	98.75%
64.0	7.432	0.730	1640.822	0.04%	98.79%
65.0	7.425	0.735	1641.557	0.04%	98.84%
66.0	7.388	0.739	1642.296	0.04%	98.88%
67.0	7.374	0.742	1643.038	0.04%	98.93%
68.0	7.359	0.746	1643.785	0.04%	98.97%
69.0	7.323	0.749	1644.534	0.04%	99.02%
70.0	7.330	0.753	1645.286	0.04%	99.06%
71.0	7.308	0.757	1646.043	0.04%	99.11%
72.0	7.286	0.759	1646.801	0.04%	99.15%
73.0	7.279	0.762	1647.563	0.04%	99.20%
74.0	7.271	0.765	1648.328	0.04%	99.25%
75.0	7.264	0.768	1649.096	0.04%	99.29%

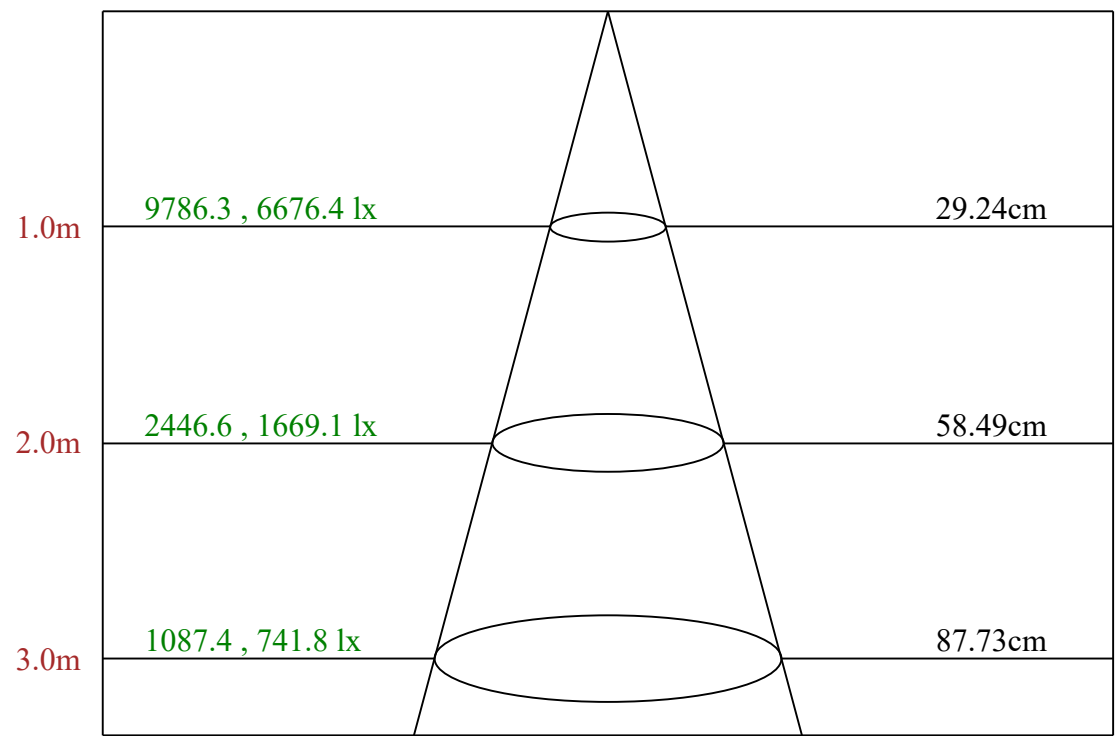
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.257	0.771	1649.867	0.04%	99.34%
77.0	7.257	0.774	1650.641	0.05%	99.39%
78.0	7.257	0.777	1651.418	0.05%	99.43%
79.0	7.242	0.779	1652.197	0.05%	99.48%
80.0	7.257	0.782	1652.978	0.05%	99.53%
81.0	7.228	0.783	1653.762	0.05%	99.57%
82.0	7.220	0.783	1654.545	0.05%	99.62%
83.0	7.220	0.785	1655.33	0.05%	99.67%
84.0	7.213	0.786	1656.116	0.05%	99.71%
85.0	7.228	0.788	1656.904	0.05%	99.76%
86.0	7.206	0.789	1657.693	0.05%	99.81%
87.0	7.206	0.789	1658.482	0.05%	99.86%
88.0	7.206	0.789	1659.272	0.05%	99.90%
89.0	7.206	0.790	1660.061	0.05%	99.95%
90.0	7.184	0.789	1660.85	0.05%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1522.76	88.63%	91.69%
0-40	1623.89	94.51%	97.77%
0-60	1637.92	95.33%	98.62%
0-90	1660.06	96.62%	99.95%
0-120	1660.06	96.62%	99.95%
0-180	1660.85	96.66%	100.00%
60-90	22.14	1.29%	1.33%
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%
0-23.96	1328.68	77.33%	80.00%

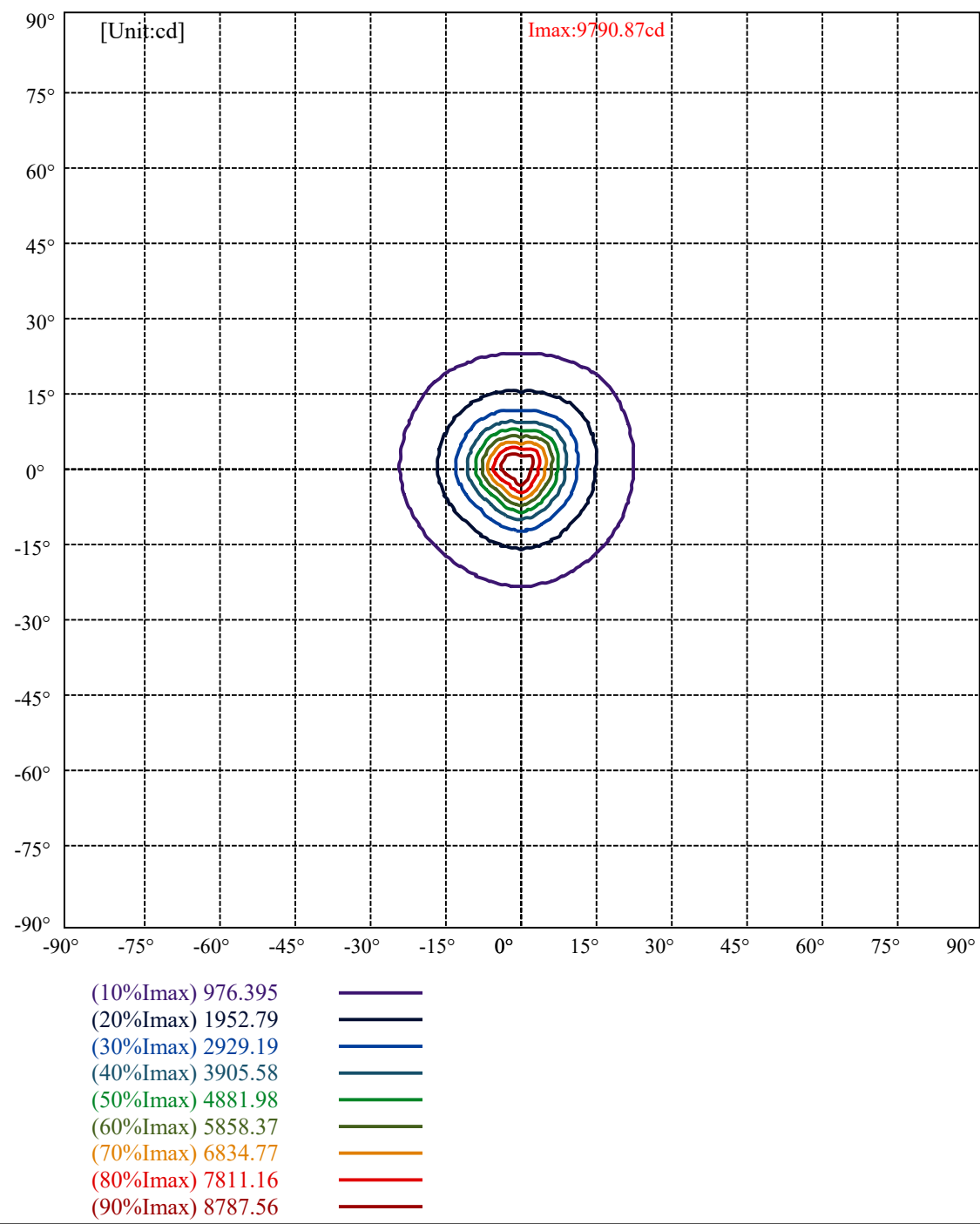
ZONAL LUMEN SUMMARY

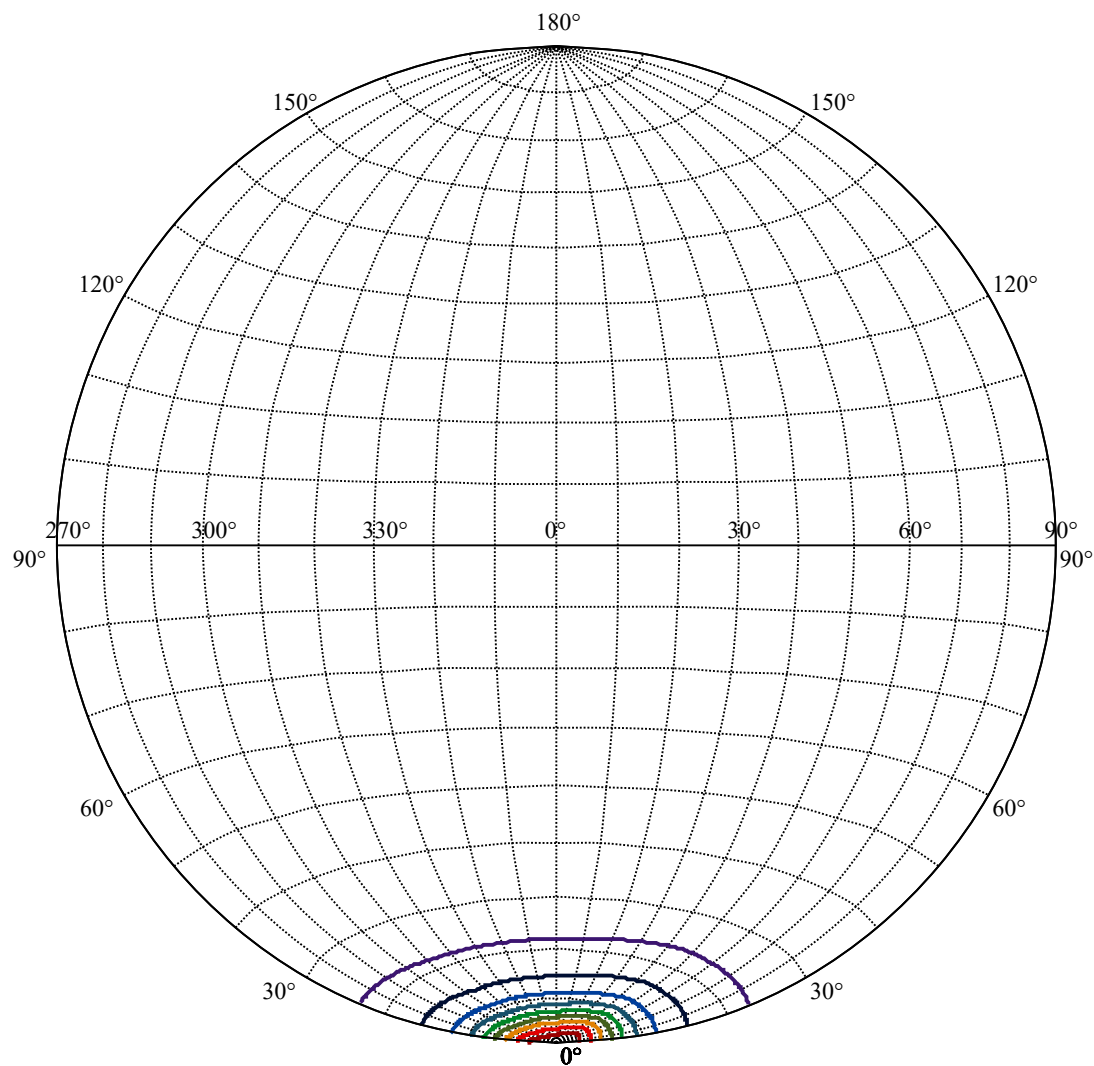
0-10	571.31
10-20	585.74
20-30	365.71
30-40	101.12
40-50	7.05
50-60	6.98
60-70	7.36
70-80	7.69
80-90	7.08
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C135 plane 16.64





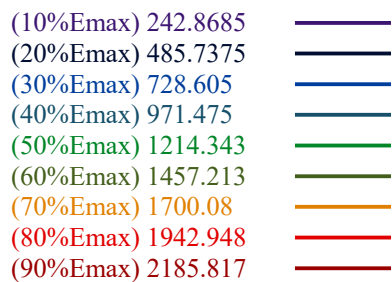
House

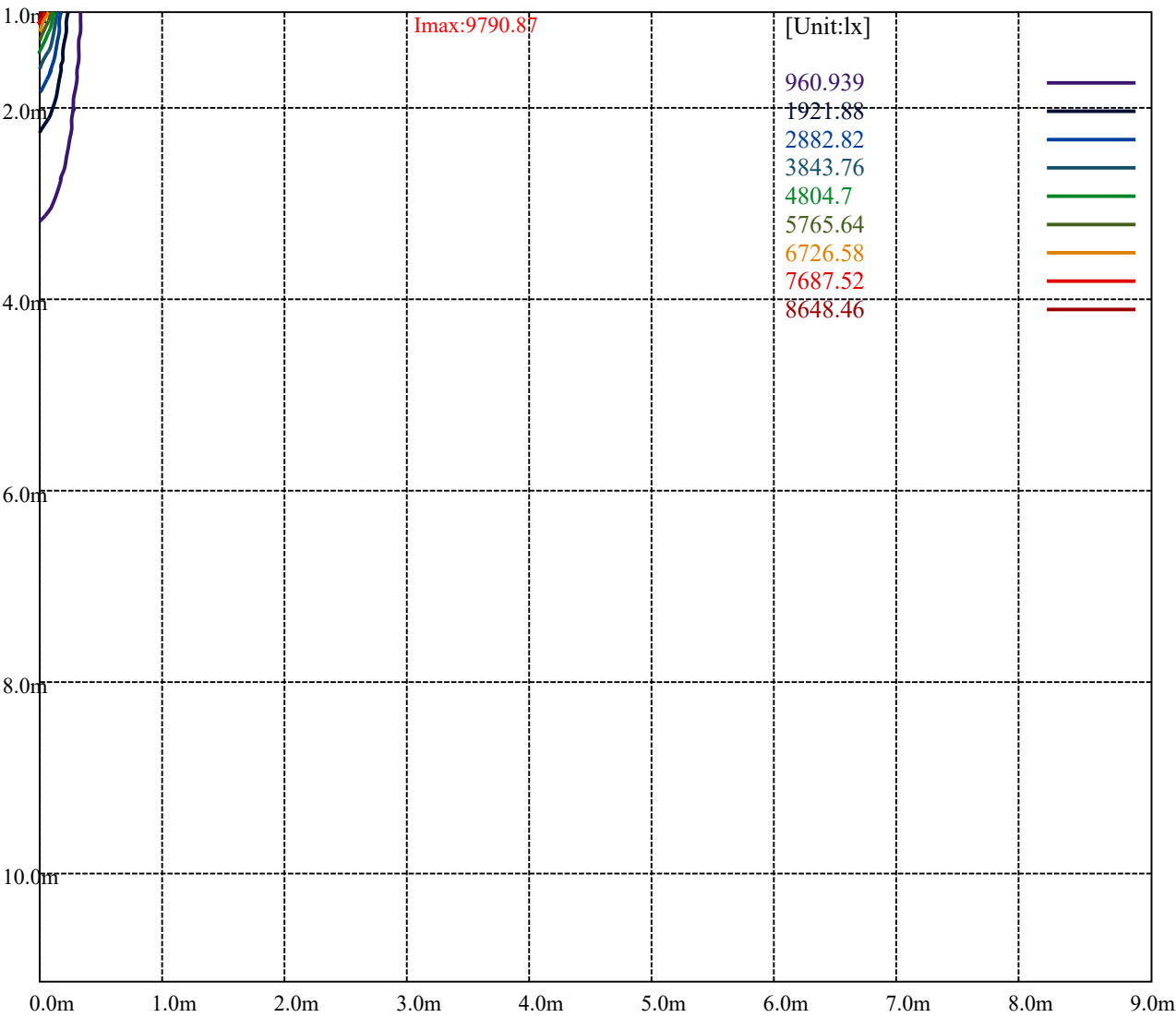
[Unit:cd]

Road

Imax:9790.87

(10%Imax)	979.081	—
(20%Imax)	1958.16	—
(30%Imax)	2937.24	—
(40%Imax)	3916.33	—
(50%Imax)	4895.41	—
(60%Imax)	5874.49	—
(70%Imax)	6853.57	—
(80%Imax)	7832.65	—
(90%Imax)	8811.73	—





Luminance Table

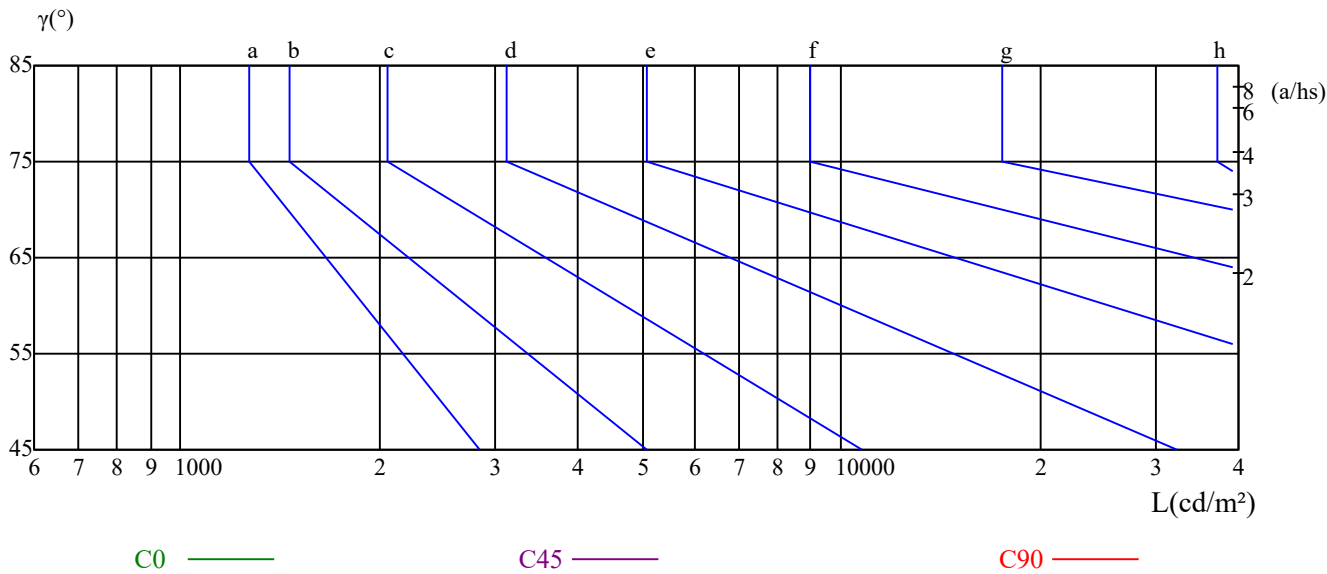
γ	45	50	55	60	65	70	75	80	85
C0	199	204	210	218	229	304	324	284	387
C45	438	226	235	248	264	355	385	345	481
C90	311	338	373	420	485	724	900	981	1883

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
554	554	554	1122	1013	1067	2995	2995	2840

Glare Table

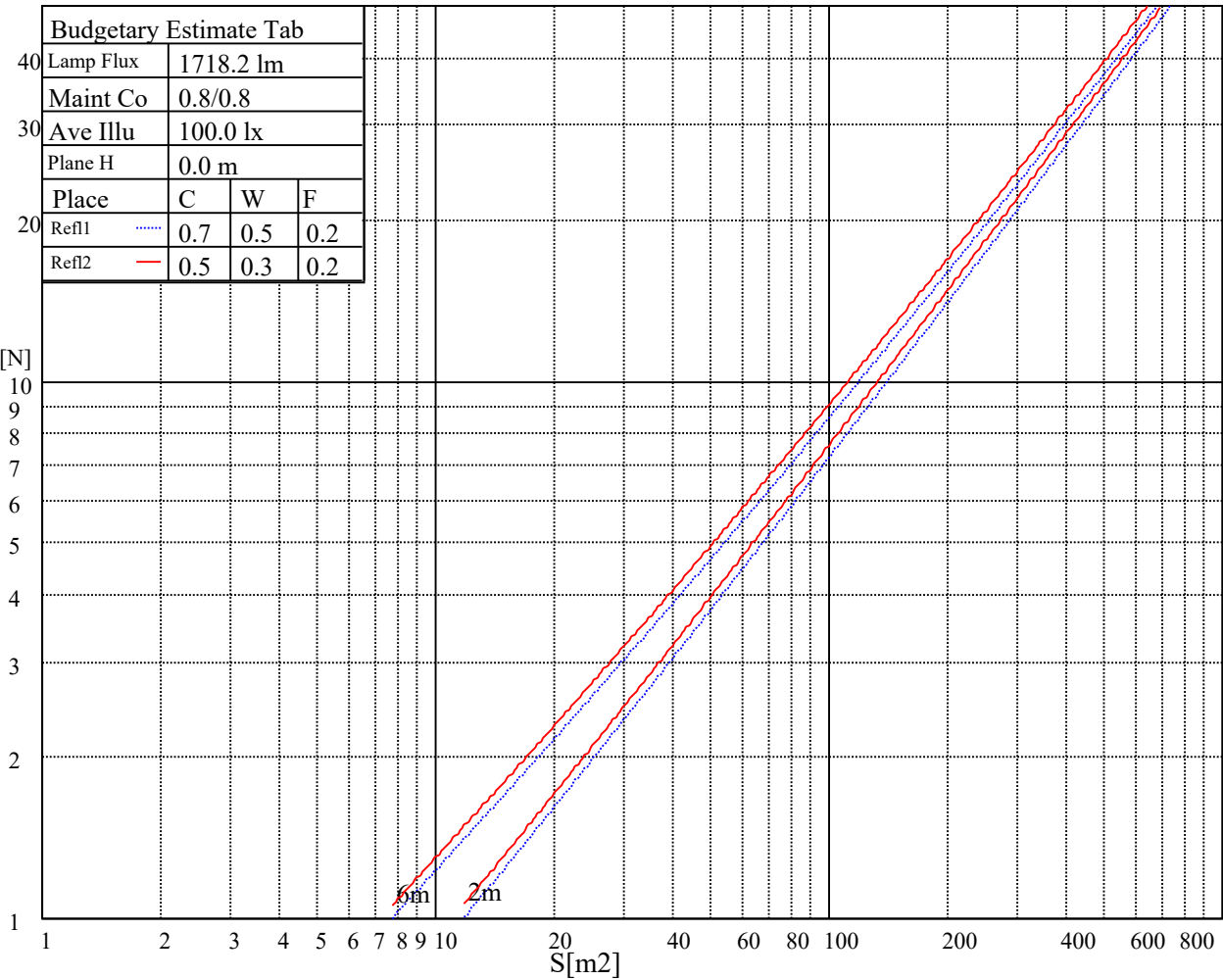
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

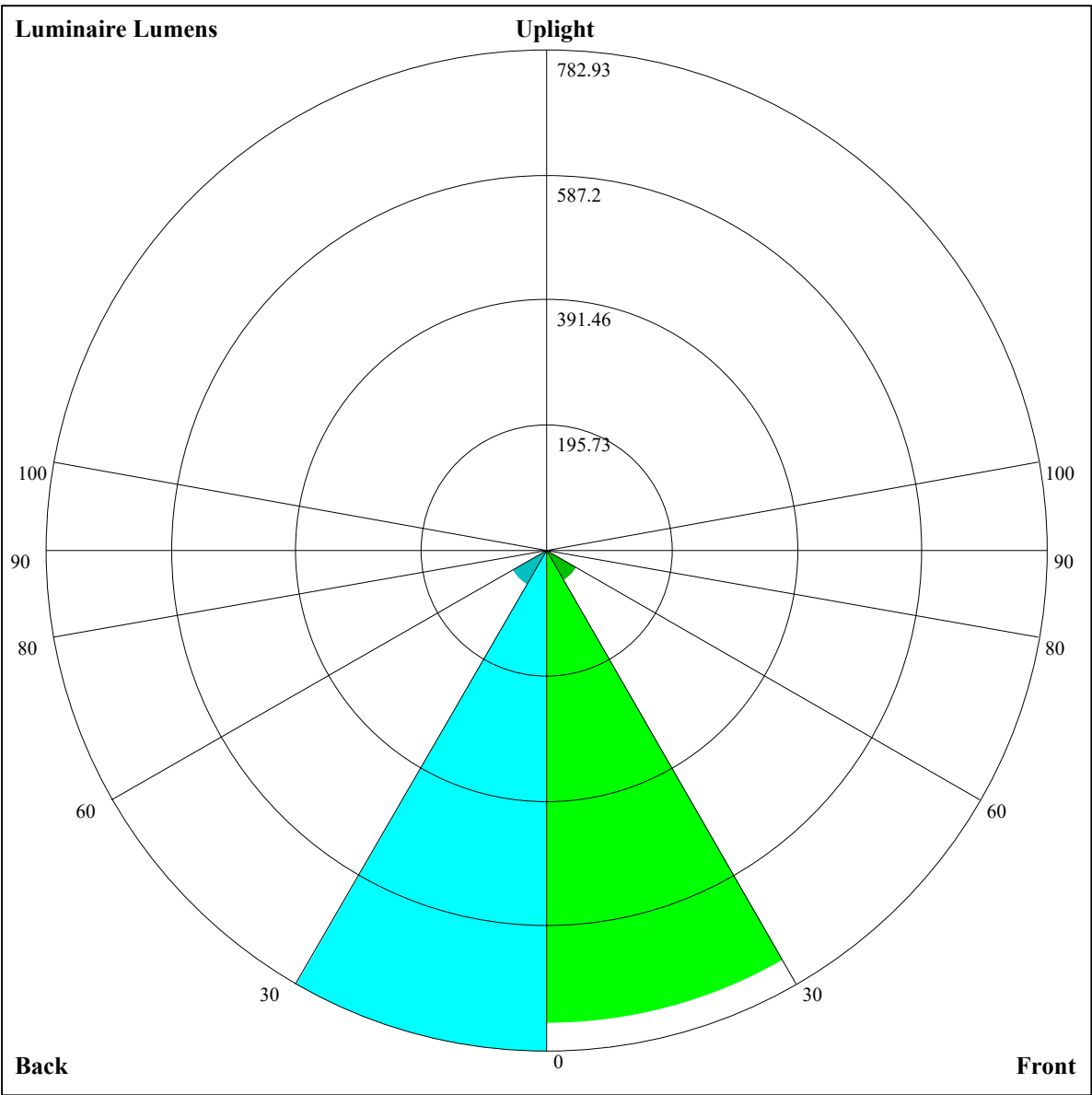


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	4.56	5.47	4.92	5.78	6.10	5.60	6.51	5.96	6.82	7.14
	3H	4.77	5.58	5.16	5.92	6.26	5.83	6.64	6.22	6.98	7.32
	4H	5.03	5.78	5.43	6.13	6.50	6.16	6.91	6.56	7.27	7.64
	6H	5.46	6.14	5.88	6.52	6.92	6.80	7.49	7.22	7.87	8.27
	8H	5.71	6.36	6.13	6.75	7.16	7.25	7.90	7.67	8.29	8.70
	12H	6.01	6.63	6.43	7.02	7.44	7.84	8.46	8.27	8.86	9.28
4H	2H	4.39	5.14	4.79	5.49	5.86	5.38	6.14	5.79	6.49	6.86
	3H	4.76	5.40	5.19	5.79	6.21	5.77	6.40	6.19	6.80	7.22
	4H	5.24	5.79	5.68	6.22	6.67	6.33	6.88	6.77	7.30	7.75
	6H	5.87	6.36	6.35	6.81	7.26	7.21	7.69	7.68	8.15	8.60
	8H	6.29	6.74	6.78	7.20	7.67	7.86	8.31	8.35	8.76	9.24
	12H	6.77	7.18	7.26	7.63	8.15	8.68	9.09	9.17	9.54	10.07
8H	4H	5.41	5.86	5.90	6.32	6.79	6.40	6.85	6.89	7.31	7.78
	6H	6.27	6.64	6.78	7.12	7.63	7.50	7.87	8.01	8.35	8.86
	8H	6.90	7.20	7.43	7.73	8.22	8.36	8.66	8.90	9.19	9.69
	12H	7.57	7.80	8.11	8.31	8.84	9.39	9.62	9.94	10.14	10.66
12H	4H	5.47	5.88	5.96	6.34	6.86	6.42	6.83	6.91	7.28	7.80
	6H	6.46	6.77	7.00	7.29	7.79	7.62	7.92	8.16	8.45	8.95
	8H	7.14	7.37	7.68	7.89	8.41	8.51	8.74	9.06	9.26	9.79
Variation with the observer position at spacings:											
S = 1.0H		5.4/-4.5					5.4/-4.3				
S = 1.5H		6.8/-3.1					7.0/-3.0				
S = 2.0H		7.7/-2.2					8.1/-2.2				
Standard tables:		BK4					BK4				
Uncorrected UGR		-9.7					-11.1				

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	1.15	1.15	1.15	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	0.98	0.98	0.98	0.96
1	1.08	1.06	1.05	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.92
2	1.03	1.00	0.97	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.94	0.92	0.93	0.91	0.90	0.89
3	0.98	0.94	0.91	0.97	0.93	0.91	0.94	0.92	0.89	0.92	0.90	0.88	0.90	0.88	0.87	0.85
4	0.94	0.90	0.87	0.93	0.89	0.86	0.91	0.88	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	0.88	0.84	0.82	0.86	0.83	0.81	0.85	0.82	0.80	0.79
6	0.87	0.82	0.79	0.86	0.82	0.79	0.85	0.81	0.79	0.84	0.81	0.78	0.82	0.80	0.78	0.77
7	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.76	0.81	0.78	0.76	0.80	0.77	0.75	0.74
8	0.81	0.77	0.74	0.80	0.76	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.73	0.72
9	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.76	0.73	0.71	0.70
10	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.74	0.71	0.69	0.68



Luminaire Lumens:

FL=740.49,FM=53.73,FH=7.53,FVH=3.94

BL=782.93,BM=61.87,BH=7.54,BVH=3.94

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	9607.11	9291.09	8787.80	8011.79	7283.77	6514.78	5776.81	4929.41	4327.21
45.0	9715.38	9731.18	9468.41	9059.93	8292.70	7579.89	6831.98	6087.57	5226.12
90.0	9763.95	9591.90	9130.15	8556.05	7867.82	6904.54	6165.40	5273.52	4615.14
135.0	9669.15	9790.87	9666.22	9277.63	8742.15	8070.31	7126.34	6368.48	5454.94
180.0	9607.11	9763.37	9624.08	9338.49	8834.03	8209.59	7315.37	6532.34	5581.35
225.0	9715.38	9480.70	8944.64	8353.56	7662.41	6899.86	5961.75	5217.92	4537.31
270.0	9763.95	9721.82	9472.51	9028.32	8271.04	7568.77	6806.81	6050.70	5142.43
315.0	9669.15	9379.46	8748.59	8117.71	7385.60	6634.75	5714.78	4999.64	4367.01
360.0	9607.11	9291.09	8787.80	8011.79	7283.77	6514.78	5776.81	4929.41	4327.21

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3686.98	3277.90	2933.79	2565.68	2311.70	2093.41	1852.88	1680.82	1531.01
45.0	4589.39	4034.60	3463.42	3085.95	2772.85	2496.63	2247.91	1983.97	1800.80
90.0	4038.70	3460.49	3088.29	2767.59	2493.70	2202.85	1996.85	1807.82	1646.88
135.0	4779.59	4183.83	3682.88	3180.17	2845.42	2549.30	2301.16	2033.13	1837.67
180.0	4894.88	4275.71	3638.99	3223.48	2877.02	2585.58	2278.92	2054.78	1857.56
225.0	3963.20	3390.27	3020.99	2704.38	2377.24	2146.66	1944.18	1724.72	1566.12
270.0	4489.32	3805.78	3359.84	2997.58	2612.50	2355.00	2133.79	1878.05	1703.65
315.0	3696.92	3273.22	2923.26	2558.08	2305.85	2042.49	1854.64	1686.09	1534.52
360.0	3686.98	3277.90	2933.79	2565.68	2311.70	2093.41	1852.88	1680.82	1531.01

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1398.75	1157.17	1157.17	1068.39	985.17	882.34	799.53	716.43	647.26
45.0	1600.06	1458.44	1334.37	1202.11	1112.57	1030.05	935.25	853.90	766.70
90.0	1470.14	1166.88	1166.88	1121.70	1034.68	955.91	855.48	772.20	689.92
135.0	1669.12	1522.81	1364.80	1252.44	1153.54	1047.03	968.61	867.95	780.75
180.0	1682.00	1498.23	1374.17	1261.80	1165.24	1053.46	968.61	865.61	787.77
225.0	1392.31	1145.23	1145.23	1080.62	1002.14	903.76	820.02	733.52	662.36
270.0	1551.49	1415.72	1267.07	1166.41	1073.95	992.60	891.94	810.01	723.40
315.0	1286.97	1151.20	1151.20	1059.78	958.25	878.83	796.61	714.79	641.23
360.0	1398.75	1157.17	1157.17	1068.39	985.17	882.34	799.53	716.43	647.26

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	592.42	509.38	447.05	386.72	322.40	251.88	188.09	135.71	76.78
45.0	685.94	628.59	564.22	498.67	433.71	358.22	296.18	296.18	164.97
90.0	620.69	564.22	502.36	438.68	364.54	301.33	234.79	175.39	112.19
135.0	701.74	638.54	575.33	508.62	448.34	366.41	309.64	309.64	238.07
180.0	704.67	632.69	582.94	513.89	432.54	371.68	304.96	304.96	237.13
225.0	597.92	540.98	475.55	396.72	338.14	278.57	206.99	152.39	98.38
270.0	646.15	593.48	535.54	457.12	395.09	333.05	302.62	302.62	134.25
315.0	591.37	516.64	452.09	385.43	314.15	255.45	197.92	143.44	83.10
360.0	592.42	509.38	447.05	386.72	322.40	251.88	188.09	135.71	76.78

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	37.69	16.97	13.11	11.59	10.36	9.89	9.54	9.13	8.78
45.0	110.02	56.30	28.50	14.75	12.93	11.12	10.30	9.89	9.48
90.0	66.42	35.58	16.27	13.40	11.35	10.18	9.71	9.31	8.95
135.0	120.03	74.38	36.81	16.80	13.99	12.41	10.36	9.95	9.60
180.0	118.51	75.96	38.57	15.16	13.17	12.17	10.18	9.60	9.25
225.0	46.58	21.59	12.82	11.47	10.42	9.95	9.60	9.19	8.95
270.0	86.96	38.98	16.21	12.00	11.06	10.12	9.71	9.36	9.01
315.0	41.32	19.78	12.29	11.12	10.24	9.89	9.48	9.19	8.95
360.0	37.69	16.97	13.11	11.59	10.36	9.89	9.54	9.13	8.78

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	8.60	8.37	8.31	8.19	8.08	7.96	7.90	7.84	7.78
45.0	9.07	8.84	8.66	8.49	8.31	8.19	8.08	7.96	7.90
90.0	8.72	8.49	8.31	8.25	8.13	8.02	7.96	7.84	7.78
135.0	9.19	8.95	8.72	8.54	8.43	8.31	8.19	8.08	7.96
180.0	8.95	8.66	8.49	8.37	8.25	8.13	8.08	7.96	7.90
225.0	8.72	8.54	8.37	8.25	8.13	8.08	7.96	7.90	7.84
270.0	8.72	8.49	8.43	8.25	8.19	8.08	7.96	7.90	7.84
315.0	8.72	8.60	8.43	8.31	8.25	8.19	8.08	8.02	7.90
360.0	8.60	8.37	8.31	8.19	8.08	7.96	7.90	7.84	7.78

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	7.72	7.67	7.61	7.61	7.55	7.55	7.49	7.49	7.43
45.0	7.84	7.78	7.72	7.72	7.67	7.61	7.61	7.55	7.49
90.0	7.72	7.67	7.67	7.61	7.61	7.55	7.49	7.49	7.49
135.0	7.96	7.84	7.84	7.78	7.67	7.67	7.67	7.61	7.55
180.0	7.84	7.78	7.72	7.67	7.61	7.61	7.55	7.55	7.49
225.0	7.84	7.72	7.72	7.67	7.61	7.55	7.55	7.49	7.49
270.0	7.78	7.72	7.67	7.67	7.61	7.61	7.55	7.55	7.49
315.0	7.90	7.84	7.78	7.72	7.67	7.55	7.55	7.49	7.49
360.0	7.72	7.67	7.61	7.61	7.55	7.55	7.49	7.49	7.43

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	7.43	7.37	7.43	7.37	7.32	7.32	7.26	7.32	7.32
45.0	7.43	7.43	7.37	7.43	7.37	7.37	7.37	7.32	7.32
90.0	7.43	7.43	7.43	7.37	7.37	7.32	7.32	7.32	7.26
135.0	7.49	7.49	7.43	7.43	7.43	7.43	7.37	7.37	7.32
180.0	7.43	7.43	7.43	7.37	7.37	7.37	7.32	7.32	7.32
225.0	7.43	7.43	7.43	7.37	7.37	7.32	7.32	7.32	7.32
270.0	7.43	7.43	7.43	7.37	7.37	7.37	7.32	7.37	7.32
315.0	7.43	7.43	7.43	7.37	7.37	7.37	7.32	7.32	7.32
360.0	7.43	7.37	7.43	7.37	7.32	7.32	7.26	7.32	7.32

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.20	7.20
45.0	7.32	7.32	7.32	7.26	7.26	7.26	7.26	7.26	7.26
90.0	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26
135.0	7.32	7.32	7.32	7.26	7.26	7.32	7.32	7.26	7.32
180.0	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26
225.0	7.26	7.26	7.26	7.26	7.26	7.20	7.20	7.20	7.26
270.0	7.32	7.32	7.26	7.32	7.26	7.26	7.26	7.26	7.26
315.0	7.32	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.26
360.0	7.26	7.26	7.26	7.26	7.26	7.26	7.26	7.20	7.20

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.20	7.20	7.20	7.26	7.20	7.20	7.20	7.20	7.20
45.0	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
90.0	7.26	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
135.0	7.26	7.26	7.26	7.26	7.26	7.20	7.26	7.26	7.26
180.0	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20
225.0	7.20	7.20	7.20	7.20	7.26	7.20	7.20	7.20	7.20
270.0	7.26	7.26	7.26	7.20	7.26	7.20	7.20	7.20	7.20
315.0	7.26	7.26	7.26	7.20	7.26	7.26	7.20	7.20	7.20
360.0	7.20	7.20	7.20	7.26	7.20	7.20	7.20	7.20	7.20

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	7.20
45.0	7.14
90.0	7.20
135.0	7.20
180.0	7.20
225.0	7.14
270.0	7.20
315.0	7.20
360.0	7.20