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NT

Client: NT

LumCAT: 3-2384-L2

Luminaire: 92.70.411.00

Report No: 20250413-B006

Ballast type: AC

Test No: 20250413-C006

Voltage(V): 35.230

LampCAT: LUMILEDS LUXEON 1208

Current(A): 0.892

Lamp flux(lm): 3821.3

Power (W): 31.420

Number of Lamps: 1

PF: 0.000

Length(mm): 85

Width(mm): 85

Phm Type: C

Height(mm): 50

Photometric Results

Lumens(lm): 3692.66, Efficiency(%): 96.63% , Luminous Efficacy(lm/W): 117.53

Central intensity(cd): 8588.376, Maximum intensity(cd): 8665.114

Angle of maximum intensity: C=225.0 γ =2.0

Beam Angle(50%Imax): [C0/180]Total=35.6

[C90/270]Total=35.6

Field angle(10%Imax): [C0/180]Total=67.0

[C90/270]Total=68.5

Maximum s/h(1/2): C0_180=0.66 C90_270=0.54

Maximum s/h(1/4): C0_180=0.61 C90_270=0.55

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 96.60%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 99.658%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8621.683	0.000	0	0.00%	0.00%
1.0	8612.956	8.246	8.246	0.22%	0.22%
2.0	8580.649	24.678	32.924	0.65%	0.89%
3.0	8517.767	40.894	73.818	1.07%	2.00%
4.0	8447.957	56.790	130.608	1.49%	3.54%
5.0	8349.570	72.262	202.87	1.89%	5.49%
6.0	8216.679	87.060	289.93	2.28%	7.85%
7.0	8051.613	100.977	390.907	2.64%	10.59%
8.0	7849.644	113.802	504.709	2.98%	13.67%
9.0	7603.710	125.241	629.95	3.28%	17.06%
10.0	7320.674	135.060	765.01	3.53%	20.72%
11.0	6996.271	143.056	908.066	3.74%	24.59%
12.0	6635.564	149.015	1057.082	3.90%	28.63%
13.0	6252.476	152.949	1210.03	4.00%	32.77%
14.0	5847.472	154.878	1364.908	4.05%	36.96%
15.0	5476.640	155.462	1520.371	4.07%	41.17%
16.0	5014.949	153.731	1674.102	4.02%	45.34%
17.0	4639.387	150.344	1824.446	3.93%	49.41%
18.0	4238.713	146.381	1970.827	3.83%	53.37%
19.0	3820.187	140.208	2111.035	3.67%	57.17%
20.0	3438.031	132.846	2243.881	3.48%	60.77%
21.0	3066.600	124.902	2368.783	3.27%	64.15%
22.0	2740.465	116.695	2485.478	3.05%	67.31%
23.0	2420.125	108.283	2593.761	2.83%	70.24%
24.0	2175.258	100.472	2694.233	2.63%	72.96%
25.0	1962.697	94.088	2788.321	2.46%	75.51%
26.0	1806.424	88.971	2877.291	2.33%	77.92%
27.0	1672.200	85.105	2962.397	2.23%	80.22%
28.0	1570.350	82.094	3044.491	2.15%	82.45%
29.0	1469.632	79.534	3124.026	2.08%	84.60%
30.0	1334.455	75.710	3199.735	1.98%	86.65%
31.0	1224.518	71.212	3270.948	1.86%	88.58%
32.0	1130.341	67.464	3338.412	1.77%	90.41%
33.0	968.912	61.845	3400.257	1.62%	92.08%
34.0	843.601	54.852	3455.109	1.44%	93.57%
35.0	706.106	48.128	3503.237	1.26%	94.87%
36.0	560.964	40.344	3543.58	1.06%	95.96%
37.0	409.620	31.655	3575.235	0.83%	96.82%

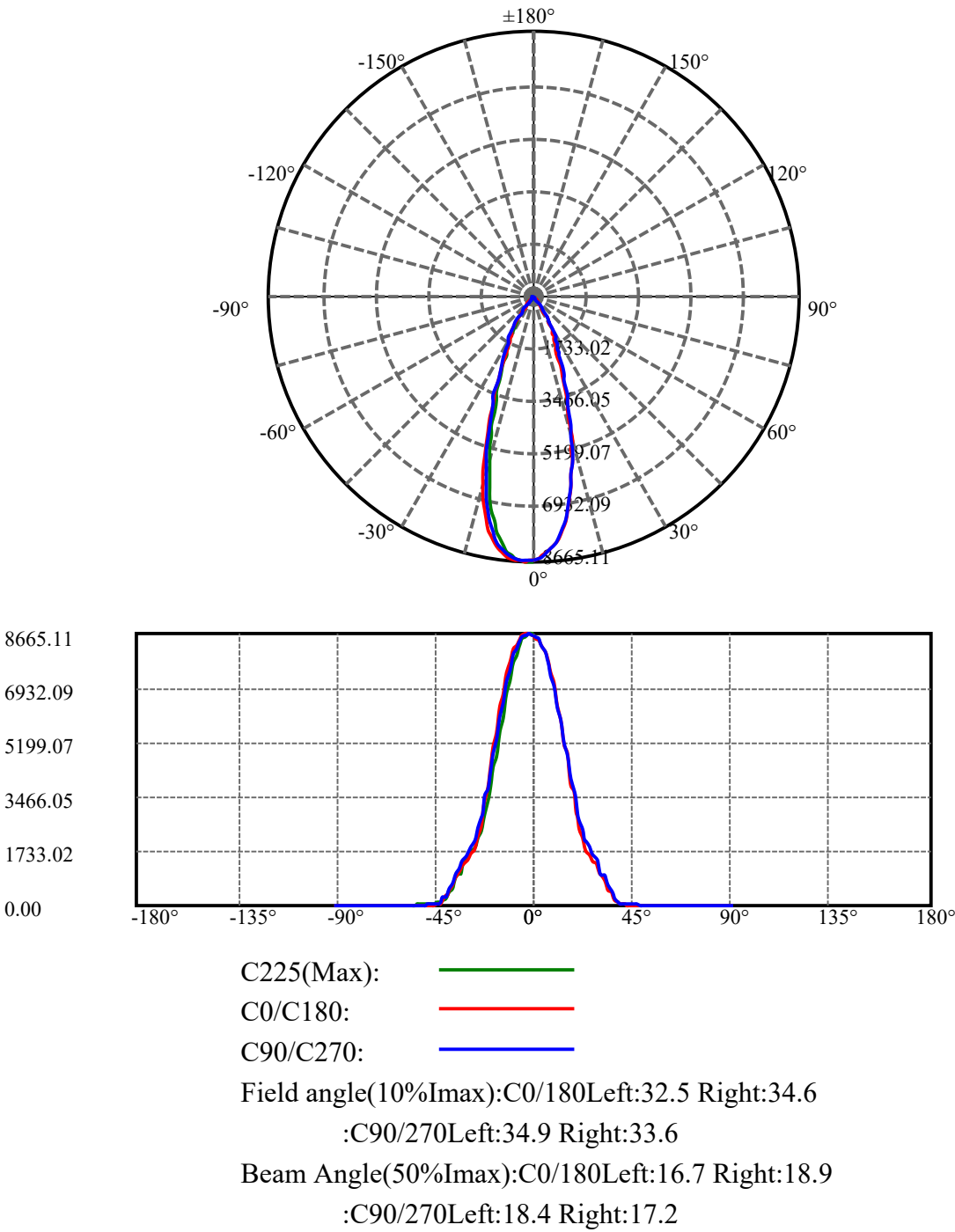
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	311.886	24.083	3599.318	0.63%	97.47%
39.0	216.684	18.042	3617.36	0.47%	97.96%
40.0	145.728	12.640	3630	0.33%	98.30%
41.0	109.331	9.083	3639.082	0.24%	98.55%
42.0	58.366	6.093	3645.175	0.16%	98.71%
43.0	48.041	3.942	3649.116	0.10%	98.82%
44.0	40.787	3.353	3652.469	0.09%	98.91%
45.0	34.938	2.910	3655.379	0.08%	98.99%
46.0	30.009	2.540	3657.919	0.07%	99.06%
47.0	26.532	2.249	3660.168	0.06%	99.12%
48.0	23.867	2.037	3662.205	0.05%	99.18%
49.0	21.536	1.865	3664.07	0.05%	99.23%
50.0	19.644	1.717	3665.787	0.04%	99.27%
51.0	18.065	1.595	3667.382	0.04%	99.32%
52.0	16.793	1.496	3668.878	0.04%	99.36%
53.0	15.667	1.412	3670.29	0.04%	99.39%
54.0	14.748	1.341	3671.631	0.04%	99.43%
55.0	13.942	1.281	3672.911	0.03%	99.47%
56.0	13.323	1.232	3674.143	0.03%	99.50%
57.0	12.596	1.185	3675.328	0.03%	99.53%
58.0	12.110	1.143	3676.471	0.03%	99.56%
59.0	11.684	1.112	3677.583	0.03%	99.59%
60.0	11.111	1.077	3678.66	0.03%	99.62%
61.0	10.711	1.041	3679.702	0.03%	99.65%
62.0	10.238	1.009	3680.711	0.03%	99.68%
63.0	9.785	0.974	3681.685	0.03%	99.70%
64.0	9.292	0.936	3682.621	0.02%	99.73%
65.0	8.773	0.894	3683.515	0.02%	99.75%
66.0	8.220	0.848	3684.363	0.02%	99.78%
67.0	7.694	0.800	3685.163	0.02%	99.80%
68.0	7.121	0.750	3685.914	0.02%	99.82%
69.0	6.548	0.697	3686.611	0.02%	99.84%
70.0	6.028	0.646	3687.257	0.02%	99.85%
71.0	5.502	0.596	3687.853	0.02%	99.87%
72.0	4.969	0.544	3688.397	0.01%	99.88%
73.0	4.490	0.495	3688.892	0.01%	99.90%
74.0	3.957	0.444	3689.336	0.01%	99.91%
75.0	3.451	0.391	3689.727	0.01%	99.92%

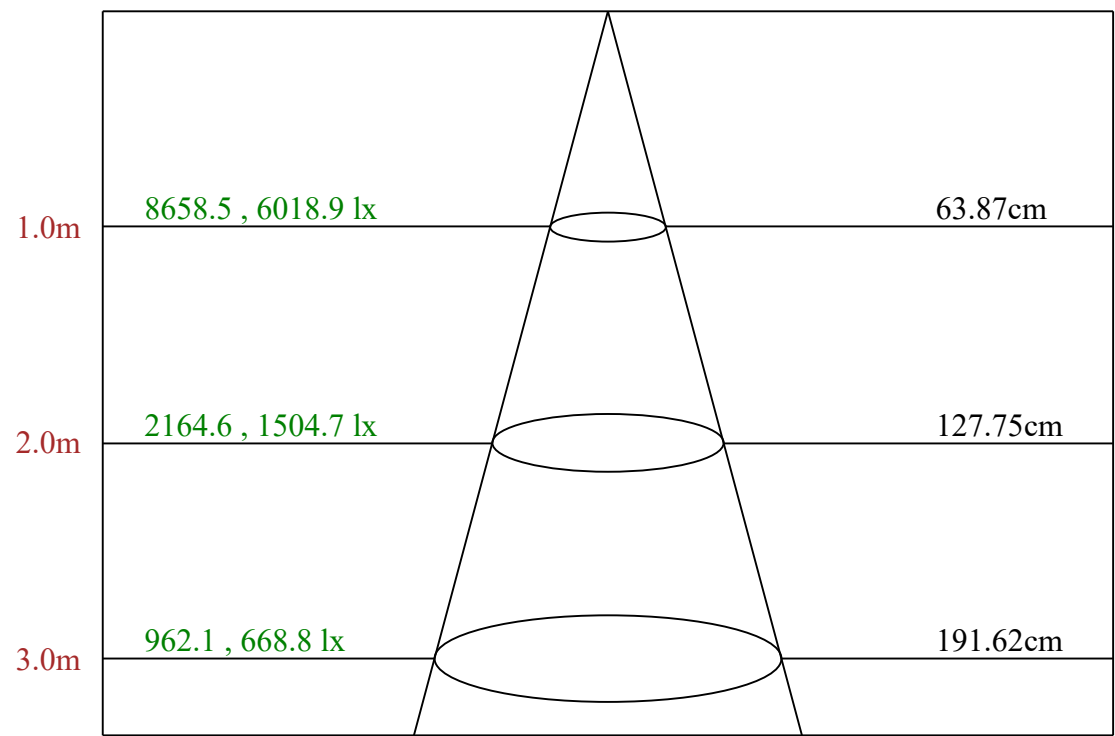
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.018	0.343	3690.071	0.01%	99.93%
77.0	2.658	0.303	3690.373	0.01%	99.94%
78.0	2.371	0.269	3690.642	0.01%	99.95%
79.0	2.138	0.242	3690.885	0.01%	99.95%
80.0	1.978	0.222	3691.107	0.01%	99.96%
81.0	1.852	0.207	3691.314	0.01%	99.96%
82.0	1.732	0.194	3691.508	0.01%	99.97%
83.0	1.632	0.183	3691.691	0.00%	99.97%
84.0	1.525	0.172	3691.863	0.00%	99.98%
85.0	1.412	0.160	3692.023	0.00%	99.98%
86.0	1.299	0.148	3692.172	0.00%	99.99%
87.0	1.206	0.137	3692.309	0.00%	99.99%
88.0	1.119	0.127	3692.436	0.00%	99.99%
89.0	1.026	0.118	3692.554	0.00%	100.00%
90.0	0.966	0.109	3692.663	0.00%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	3199.74	83.73%	86.65%
0-40	3630.00	94.99%	98.30%
0-60	3678.66	96.27%	99.62%
0-90	3692.55	96.63%	100.00%
0-120	3692.55	96.63%	100.00%
0-180	3692.66	96.63%	100.00%
60-90	13.89	0.36%	0.38%
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%
0-26.90	2954.13	77.31%	80.00%

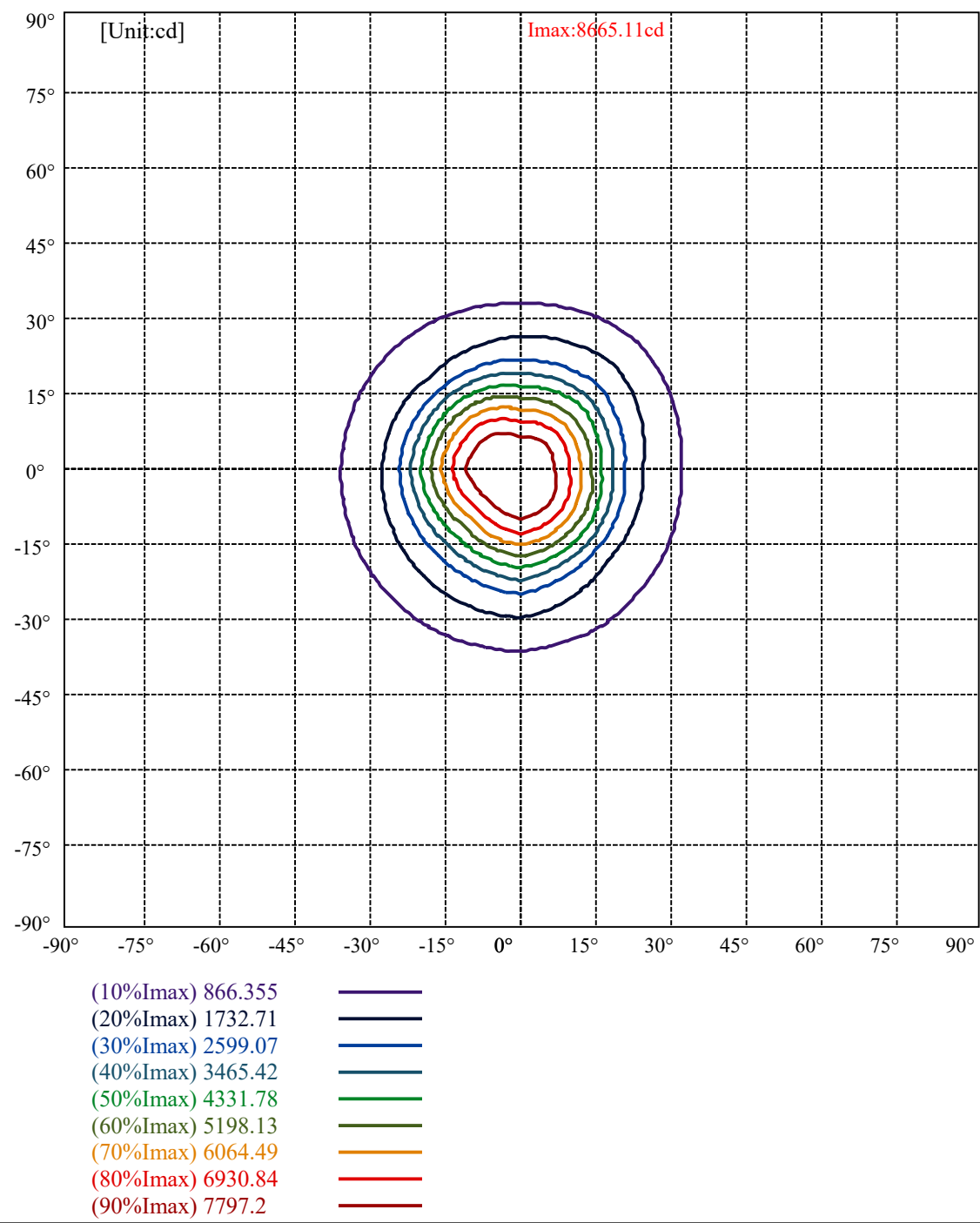
ZONAL LUMEN SUMMARY

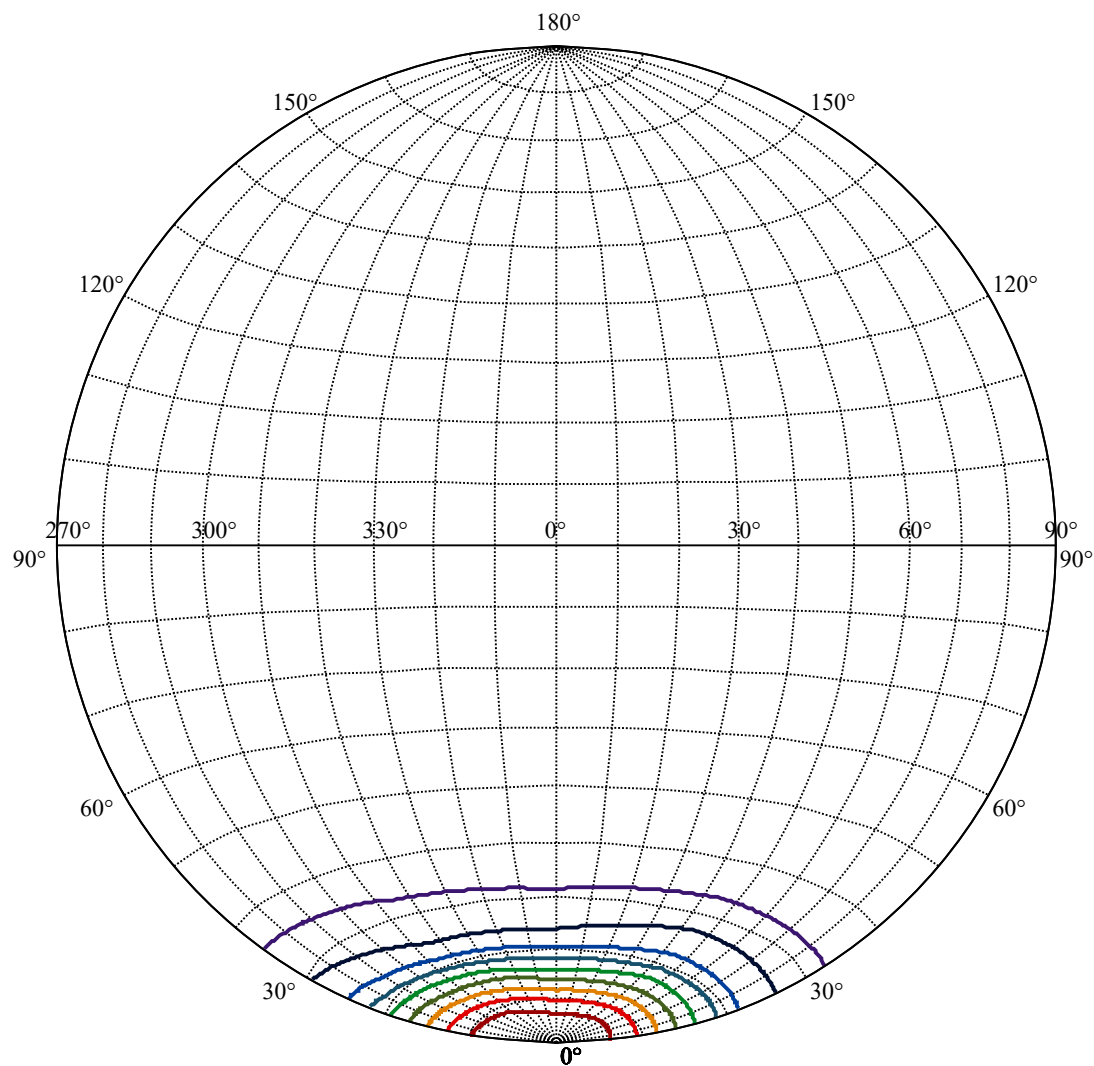
0-10	765.01
10-20	1478.87
20-30	955.85
30-40	430.26
40-50	35.79
50-60	12.87
60-70	8.60
70-80	3.85
80-90	1.45
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C225 plane 35.42



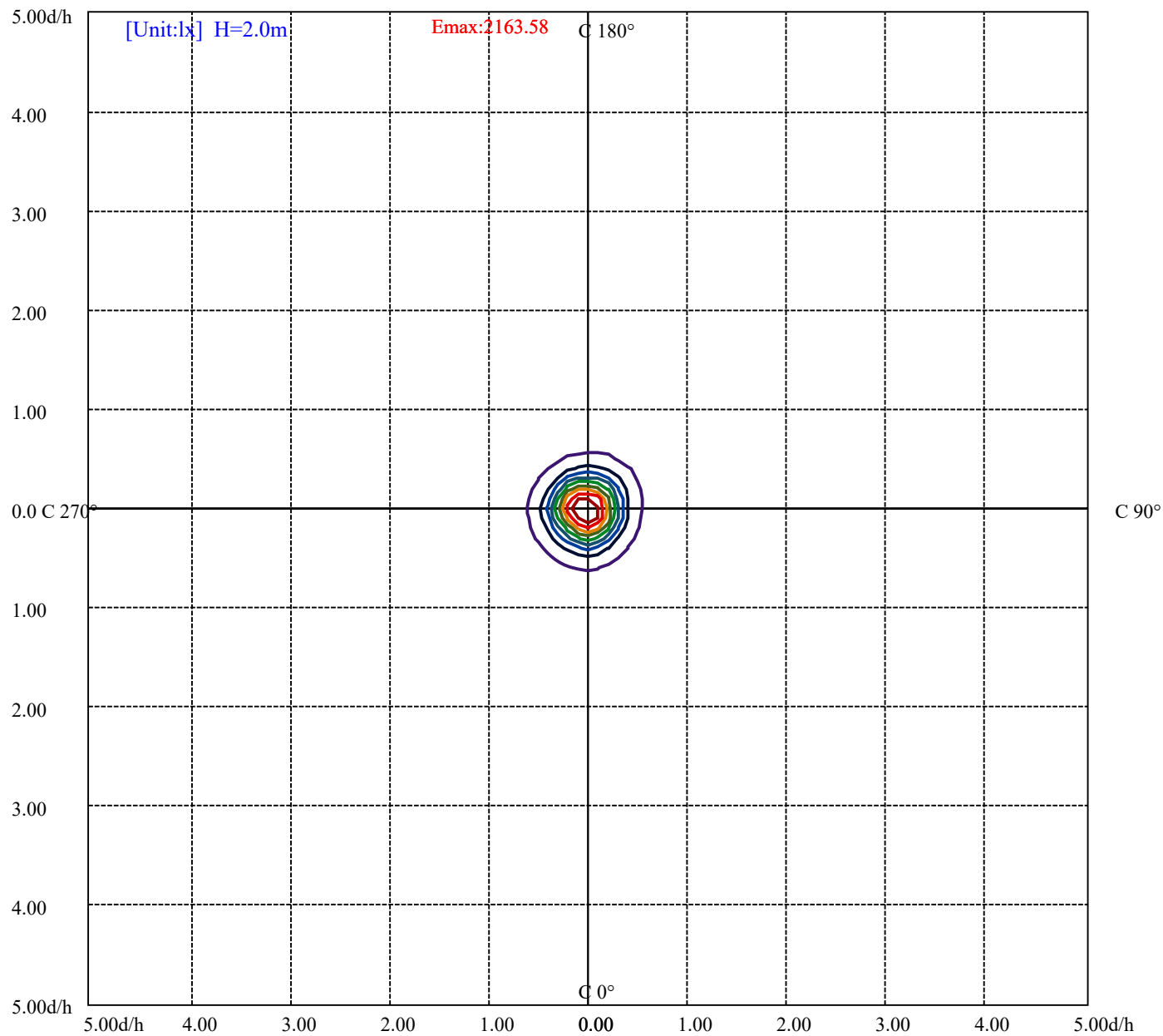


House

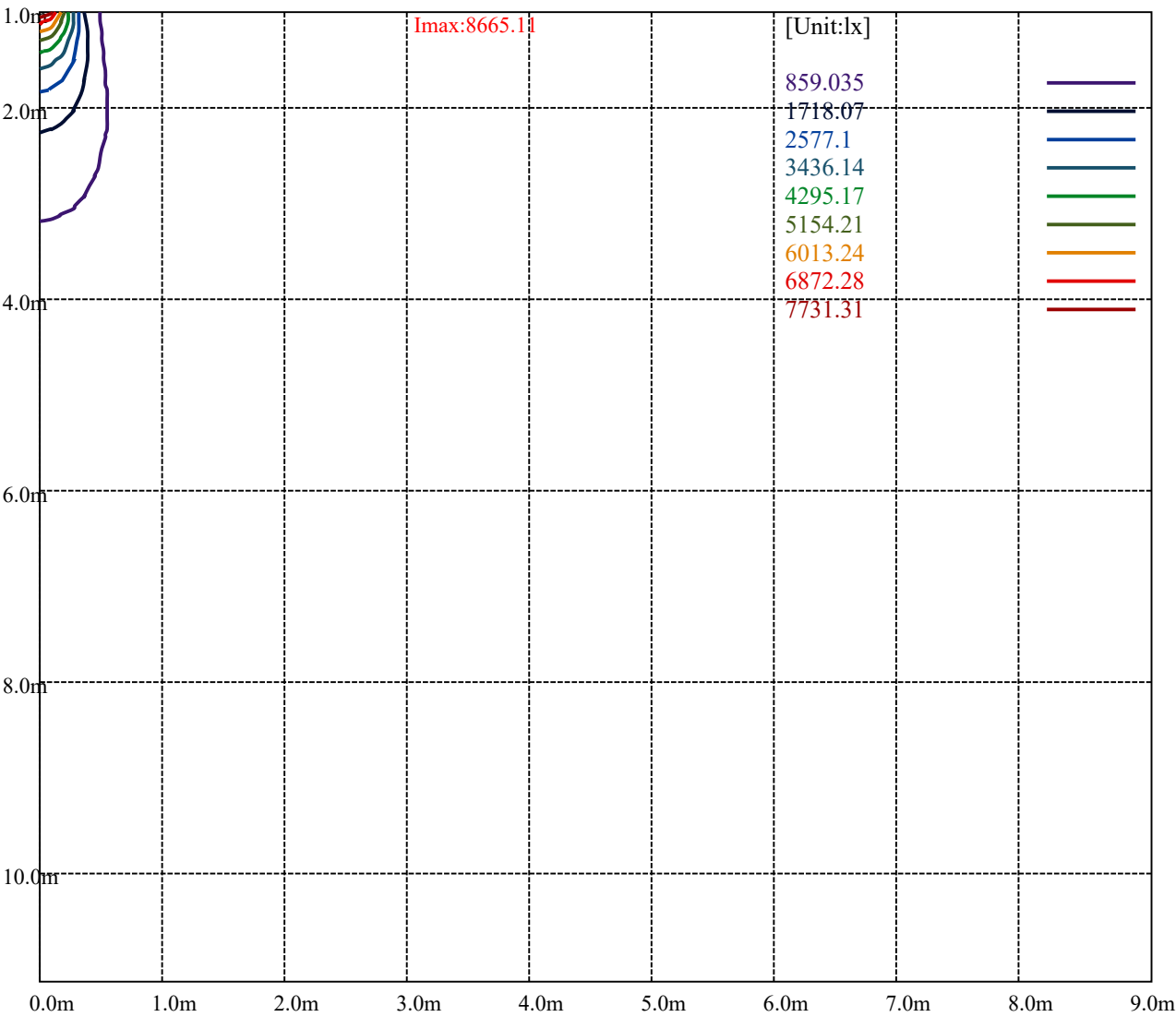
[Unit:cd]

Road

Imax:8665.11	
(10%Imax) 866.495	
(20%Imax) 1732.99	
(30%Imax) 2599.49	
(40%Imax) 3465.98	
(50%Imax) 4332.48	
(60%Imax) 5198.97	
(70%Imax) 6065.47	
(80%Imax) 6931.96	
(90%Imax) 7798.46	



(10%Emax) 216.3573	—
(20%Emax) 432.715	—
(30%Emax) 649.0725	—
(40%Emax) 865.43	—
(50%Emax) 1081.785	—
(60%Emax) 1298.142	—
(70%Emax) 1514.5	—
(80%Emax) 1730.858	—
(90%Emax) 1947.215	—



Luminance Limiting Curve(no luminous side)

Luminance Table

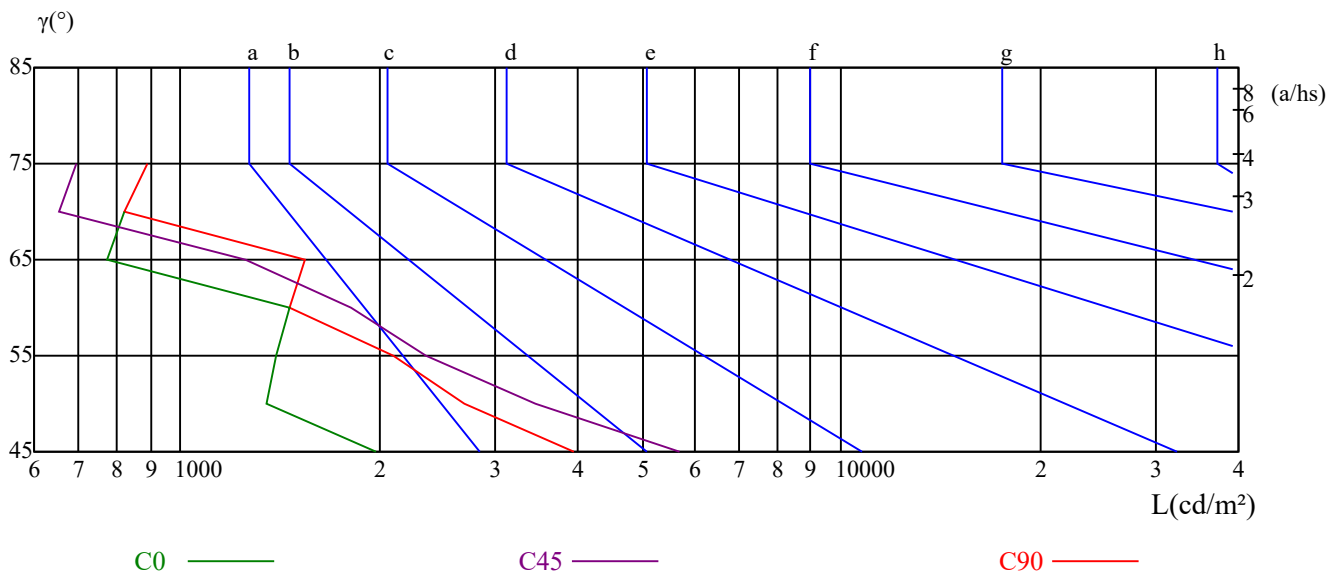
γ	45	50	55	60	65	70	75	80	85
C0	1970	1349	1398	1461	772	824	0	0	0
C45	5694	3457	2351	1813	1254	656	694	0	0
C90	3941	2698	2097	1461	1543	824	892	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1745	3491	2618	1425	2850	2850	0	0	0

Glare Table

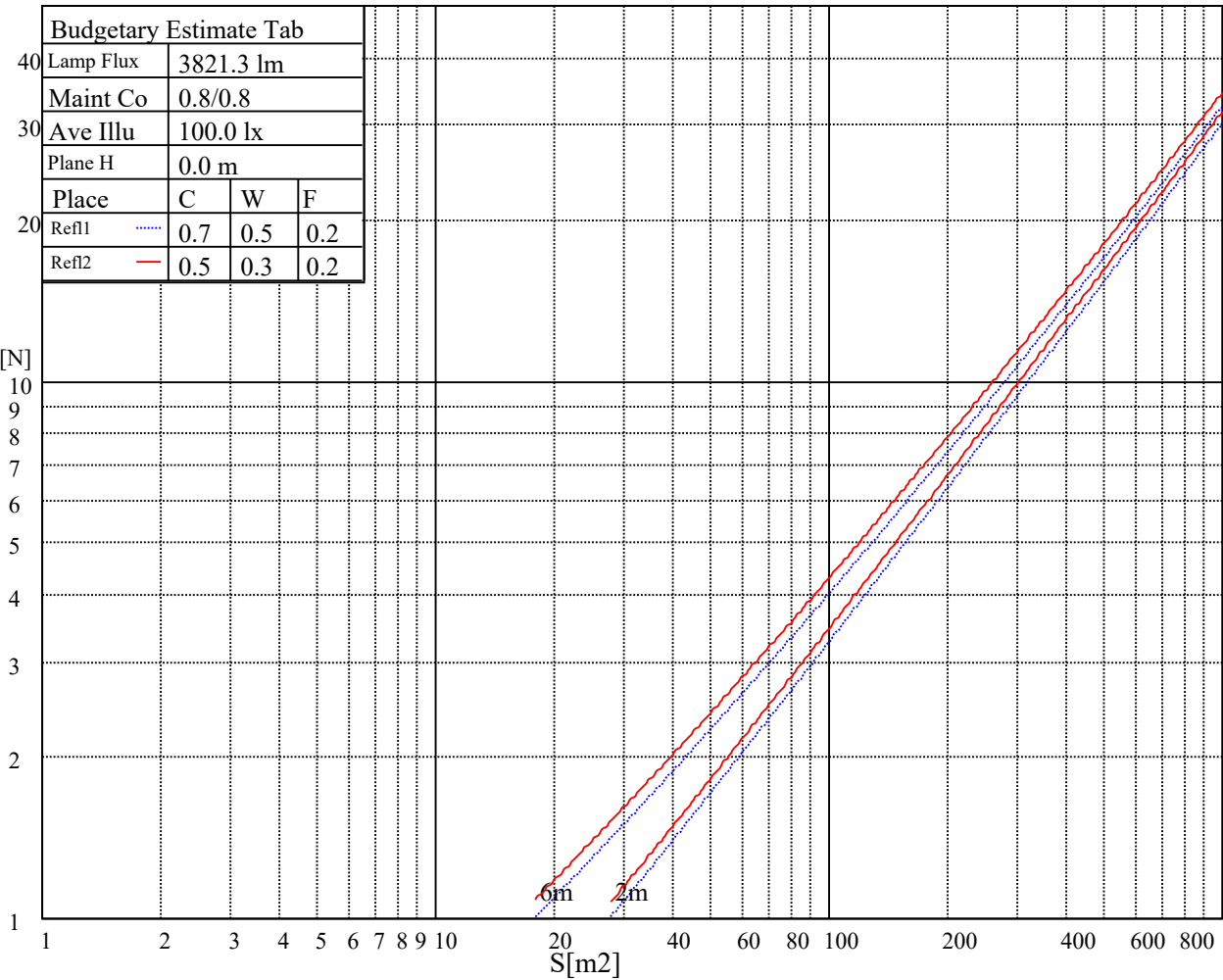
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

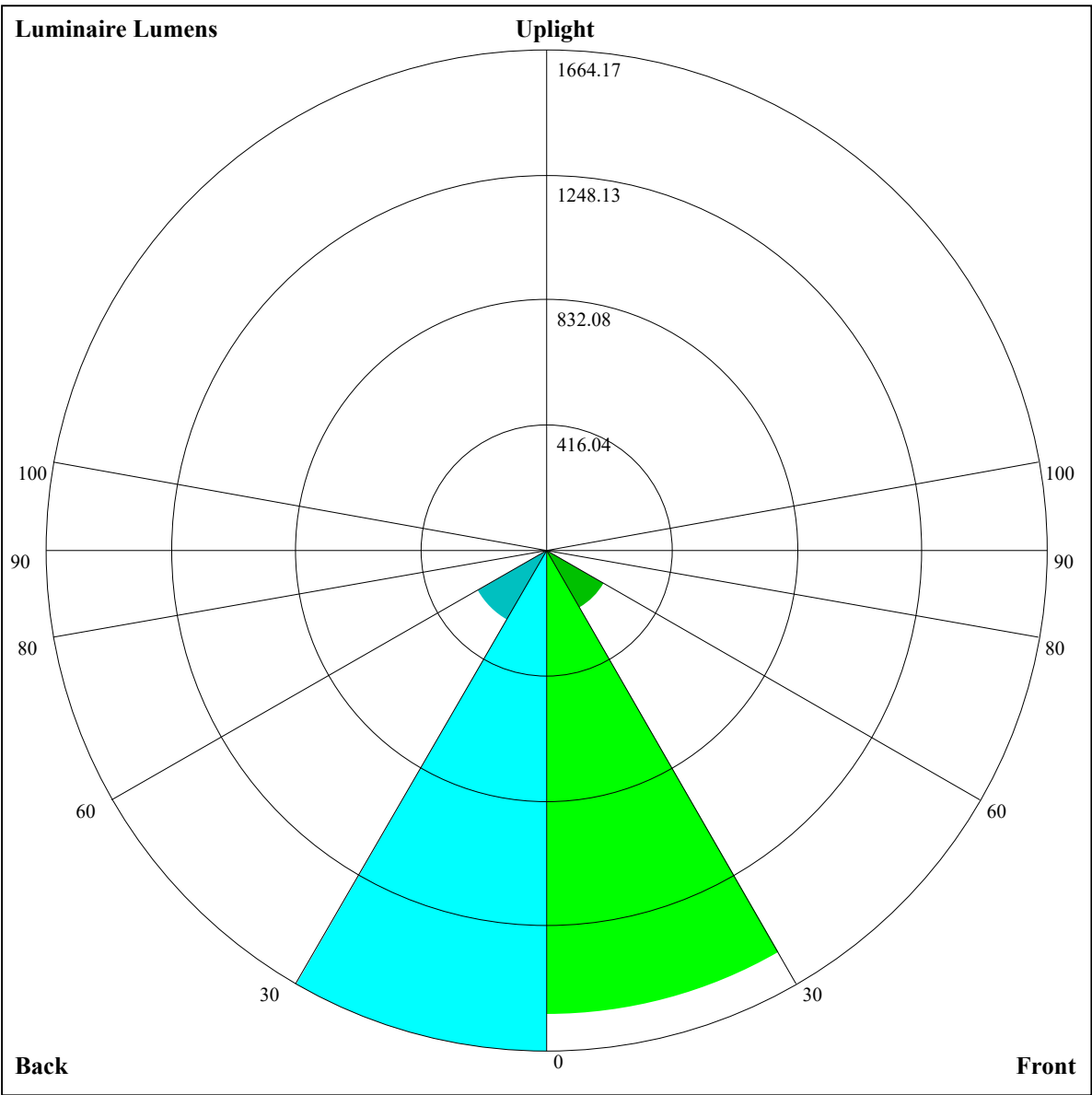


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	13.84	14.74	14.20	15.05	15.37	14.65	15.55	15.01	15.86	16.17
	3H	13.65	14.45	14.04	14.79	15.14	14.46	15.26	14.85	15.60	15.94
	4H	13.55	14.29	13.95	14.64	15.01	14.36	15.09	14.76	15.45	15.82
	6H	13.46	14.13	13.88	14.51	14.91	14.27	14.94	14.68	15.32	15.72
	8H	13.38	14.02	13.81	14.41	14.82	14.19	14.83	14.61	15.21	15.62
	12H	13.31	13.91	13.74	14.31	14.73	14.12	14.72	14.54	15.12	15.53
4H	2H	13.54	14.28	13.95	14.64	15.00	14.34	15.08	14.74	15.43	15.80
	3H	13.33	13.95	13.76	14.35	14.76	14.13	14.75	14.56	15.14	15.56
	4H	13.26	13.79	13.70	14.22	14.67	14.05	14.58	14.49	15.01	15.46
	6H	13.12	13.58	13.59	14.04	14.49	13.91	14.38	14.38	14.83	15.29
	8H	13.06	13.49	13.54	13.95	14.42	13.85	14.28	14.34	14.74	15.22
	12H	13.00	13.40	13.50	13.86	14.38	13.80	14.19	14.29	14.65	15.17
8H	4H	13.05	13.49	13.54	13.95	14.42	13.85	14.28	14.34	14.74	15.22
	6H	12.90	13.25	13.41	13.73	14.25	13.69	14.04	14.20	14.52	15.04
	8H	12.89	13.18	13.43	13.71	14.20	13.68	13.97	14.22	14.49	14.99
	12H	12.84	13.06	13.39	13.58	14.10	13.63	13.84	14.17	14.36	14.89
12H	4H	13.00	13.40	13.49	13.85	14.37	13.79	14.19	14.28	14.64	15.17
	6H	12.89	13.18	13.42	13.70	14.20	13.68	13.97	14.21	14.49	14.99
	8H	12.84	13.05	13.38	13.57	14.10	13.62	13.84	14.17	14.36	14.88
Variation with the observer position at spacings:											
S = 1.0H		6.3/-10.2					6.2/-10.4				
S = 1.5H		9.0/-10.8					8.9/-11.0				
S = 2.0H		11.0/-11.5					10.9/-11.6				
Standard tables:		BK0					BK0				
Uncorrected UGR		-4.5					-5.3				

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	1.03	1.03	1.03	0.99	0.99	0.99	0.97
1	1.08	1.06	1.04	1.06	1.04	1.03	1.02	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.94	0.92
2	1.02	0.99	0.96	1.00	0.97	0.95	0.97	0.95	0.93	0.95	0.93	0.91	0.92	0.90	0.89	0.87
3	0.97	0.93	0.89	0.95	0.92	0.89	0.93	0.90	0.87	0.91	0.88	0.86	0.88	0.86	0.85	0.83
4	0.92	0.87	0.84	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.83	0.80	0.79
5	0.87	0.83	0.79	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
6	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
7	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
8	0.76	0.71	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66
9	0.73	0.68	0.65	0.73	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.63
10	0.70	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.68	0.64	0.62	0.61



Luminaire Lumens:

FL=1545.44,FM=219.89,FH=6.55,FVH=0.77

BL=1664.17,BM=268.61,BH=6.31,BVH=0.77

UL=0,UH=0

BUG Rating:B3-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	8588.38	8529.76	8445.56	8342.71	8227.07	8096.51	7911.59	7694.17	7421.33
45.0	8651.79	8620.88	8555.34	8426.91	8356.03	8206.82	8023.50	7809.28	7559.88
90.0	8610.23	8561.73	8487.66	8368.29	8231.87	8061.34	7859.37	7619.56	7338.19
135.0	8636.34	8635.80	8619.28	8567.59	8488.72	8434.37	8320.33	8189.77	8023.50
180.0	8588.38	8635.27	8645.93	8648.59	8638.47	8594.24	8524.96	8422.11	8309.67
225.0	8651.79	8662.45	8665.11	8627.28	8571.86	8478.60	8354.97	8192.43	7991.53
270.0	8610.23	8636.87	8640.07	8625.15	8593.71	8530.82	8446.09	8330.45	8174.31
315.0	8636.34	8620.88	8586.24	8535.62	8475.93	8393.87	8292.62	8155.13	7978.74
360.0	8588.38	8529.76	8445.56	8342.71	8227.07	8096.51	7911.59	7694.17	7421.33
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7101.05	6733.35	6343.80	5939.33	5522.07	5104.28	4852.21	4267.62	3838.64
45.0	7256.66	6939.58	6580.94	6203.12	5804.51	5399.50	5005.16	4627.33	4402.98
90.0	7016.32	6667.27	6303.83	5921.21	5533.79	5157.03	4768.55	4391.26	4015.56
135.0	7822.07	7576.40	7274.78	6931.06	6542.57	6119.98	5689.40	5243.90	4789.33
180.0	8155.13	7967.55	7733.60	7444.77	7121.30	6749.87	6353.39	5937.73	5508.75
225.0	7741.07	7459.69	7134.09	6772.79	6397.62	5983.03	5556.18	5130.92	4725.38
270.0	7997.39	7766.64	7494.87	7170.86	6824.48	6449.32	6048.04	5648.37	5252.96
315.0	7740.00	7454.90	7104.25	6701.38	6273.46	5816.76	5540.19	4872.46	4581.50
360.0	7101.05	6733.35	6343.80	5939.33	5522.07	5104.28	4852.21	4267.62	3838.64
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3588.71	3013.71	2775.50	2424.85	2131.23	1906.88	1736.35	1604.19	1498.67
45.0	3882.34	3519.96	3304.14	2843.18	2666.79	2399.28	2181.32	2009.73	1872.24
90.0	3635.07	3411.79	2911.39	2716.35	2434.45	2124.83	2020.92	1865.31	1735.28
135.0	4338.50	3874.34	3421.91	2986.53	2579.93	2226.62	1939.38	1736.88	1614.31
180.0	5077.10	4640.65	4202.61	3764.03	3333.98	3002.52	2545.29	2220.75	2010.26
225.0	4418.97	3978.26	3608.96	3318.00	2908.73	2656.67	2377.96	2134.96	1959.63
270.0	4859.67	4475.99	4082.71	3704.35	3477.33	2972.14	2772.84	2474.41	2230.88
315.0	4109.35	3646.79	3197.03	2775.50	2391.28	2072.08	1828.01	1655.35	1530.12
360.0	3588.71	3013.71	2775.50	2424.85	2131.23	1906.88	1736.35	1604.19	1498.67
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1415.01	1348.93	1206.65	1019.60	959.91	807.45	653.18	502.79	413.48
45.0	1748.07	1634.03	1517.33	1395.82	1248.21	1092.60	928.47	760.08	602.34
90.0	1627.64	1533.85	1426.20	1061.54	991.51	959.17	789.92	623.39	467.25
135.0	1500.27	1396.36	1342.53	1288.71	1208.78	1095.80	960.45	816.56	670.55
180.0	1778.98	1663.87	1547.70	1457.64	1383.57	1315.89	1207.71	1075.55	931.67
225.0	1832.80	1737.95	1648.95	1550.90	1438.46	1297.77	1013.74	1013.74	919.89
270.0	2039.04	1886.63	1762.99	1650.55	1555.16	1463.50	1326.55	1175.20	1013.74
315.0	1435.79	1361.19	1304.70	1250.88	1010.54	1010.54	871.29	781.50	629.94
360.0	1415.01	1348.93	1206.65	1019.60	959.91	807.45	653.18	502.79	413.48
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	282.28	168.93	81.37	47.00	38.21	31.17	26.33	22.28	20.14
45.0	451.53	318.83	318.83	145.22	124.59	103.65	87.34	75.41	63.57
90.0	357.52	212.15	117.40	79.88	65.87	55.95	48.87	42.10	37.68
135.0	522.40	378.52	301.25	301.25	57.02	33.20	19.88	16.95	13.91
180.0	782.46	630.05	482.43	343.35	316.17	178.20	51.42	37.94	30.96
225.0	760.45	542.23	454.03	327.57	219.45	147.03	116.01	98.69	86.01
270.0	848.54	682.80	521.87	374.79	293.79	293.79	93.20	72.37	59.47
315.0	482.54	343.45	217.90	114.41	50.73	31.65	23.87	18.60	14.55
360.0	282.28	168.93	81.37	47.00	38.21	31.17	26.33	22.28	20.14

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	18.54	17.16	16.04	14.92	13.80	13.11	12.42	11.94	11.30
45.0	55.26	47.69	42.58	38.69	35.01	31.87	29.20	27.02	25.21
90.0	33.84	30.54	27.87	25.42	23.45	21.74	20.30	19.13	18.01
135.0	11.83	10.50	9.43	8.63	8.05	7.57	7.09	6.71	6.55
180.0	25.15	21.21	18.70	16.95	15.45	14.12	13.00	12.04	11.19
225.0	73.11	62.72	54.36	47.96	42.42	37.84	33.84	30.27	27.12
270.0	49.13	38.95	33.04	28.83	24.94	22.12	20.09	18.70	17.48
315.0	12.63	11.30	10.23	9.54	9.17	8.79	8.58	8.53	8.47
360.0	18.54	17.16	16.04	14.92	13.80	13.11	12.42	11.94	11.30
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	10.82	10.34	10.07	9.81	9.54	9.38	9.06	8.79	8.58
45.0	23.45	22.01	21.21	18.65	18.54	17.48	15.77	15.35	14.34
90.0	17.05	16.20	15.45	15.08	14.34	13.75	13.27	12.58	11.99
135.0	6.34	6.18	6.02	5.92	5.92	5.97	5.92	5.86	5.76
180.0	10.55	9.86	9.33	8.85	8.42	8.05	7.78	7.67	7.57
225.0	24.46	22.06	20.14	18.65	16.79	15.93	14.87	13.80	12.90
270.0	16.84	16.31	15.83	15.51	15.19	14.92	14.34	13.91	13.27
315.0	8.47	8.58	8.53	8.31	8.15	7.99	7.89	7.73	7.51
360.0	10.82	10.34	10.07	9.81	9.54	9.38	9.06	8.79	8.58
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	8.37	7.99	7.57	7.09	6.66	6.18	5.86	5.22	4.64
45.0	13.54	12.68	11.83	10.87	10.02	9.06	7.99	7.14	6.18
90.0	11.40	10.55	9.65	8.90	8.26	7.35	6.66	6.02	5.28
135.0	5.76	5.65	5.60	5.44	5.28	5.06	4.85	4.64	4.48
180.0	7.30	7.14	6.93	6.71	6.61	6.29	6.02	5.70	5.49
225.0	12.04	11.24	10.44	9.59	8.53	7.78	6.93	6.34	5.81
270.0	12.52	11.88	11.24	10.55	9.86	9.27	8.47	7.83	7.19
315.0	7.35	7.19	6.93	6.61	6.34	5.97	5.60	5.33	4.96
360.0	8.37	7.99	7.57	7.09	6.66	6.18	5.86	5.22	4.64
C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	4.10	3.68	3.09	2.50	2.08	1.97	1.87	1.65	1.55
45.0	5.44	5.01	4.26	3.78	3.14	2.66	2.56	2.50	2.40
90.0	4.48	3.84	3.25	2.72	2.29	1.97	1.87	1.76	1.60
135.0	4.21	3.89	3.52	3.20	2.98	2.56	2.24	2.08	1.97
180.0	5.22	4.74	4.32	3.84	3.46	3.04	2.56	2.18	1.92
225.0	5.28	4.74	4.32	3.68	3.25	2.98	2.72	2.34	2.24
270.0	6.50	5.92	5.17	4.53	3.94	3.41	2.88	2.34	2.08
315.0	4.53	4.10	3.73	3.36	2.98	2.66	2.29	2.24	2.08
360.0	4.10	3.68	3.09	2.50	2.08	1.97	1.87	1.65	1.55
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.44	1.39	1.28	1.23	1.17	1.07	1.01	0.91	0.91
45.0	2.24	2.18	2.13	1.92	1.71	1.49	1.33	1.23	1.12
90.0	1.44	1.33	1.23	1.17	1.17	1.01	1.01	0.96	0.85
135.0	1.87	1.71	1.55	1.49	1.39	1.28	1.17	1.07	1.01
180.0	1.81	1.65	1.55	1.44	1.28	1.23	1.12	1.07	0.96
225.0	2.08	2.03	1.92	1.81	1.71	1.60	1.44	1.33	1.12
270.0	1.97	1.76	1.65	1.49	1.39	1.33	1.28	1.23	1.12
315.0	1.97	1.81	1.76	1.65	1.49	1.39	1.28	1.17	1.12
360.0	1.44	1.39	1.28	1.23	1.17	1.07	1.01	0.91	0.91

Intensity data(cd)

C/ $\gamma(^{\circ})$	90.0
0.0	0.85
45.0	1.12
90.0	0.80
135.0	0.96
180.0	0.91
225.0	1.07
270.0	1.01
315.0	1.01
360.0	0.85