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NT

Client:

LumCAT: 2-2895-L

Luminaire: 92.70.411.00 LED HOLDER

Report No: 20250320-B003

Ballast type: AC

Test No: 20250320-C003

Voltage(V): 34.440

LampCAT: LUMILEDS LUXEON COB 1208 Current(A): 0.576

Lamp flux(lm): 2834.5 Power (W): 19.837

Number of Lamps: 1 PF: 0.000

Length(mm): 69 Width(mm): 69

Phm Type: C Height(mm): 44

Photometric Results

Lumens(lm): 2710.02, Efficiency(%): 95.61% , Luminous Efficacy(lm/W): 136.61

Central intensity(cd): 10570.390, Maximum intensity(cd): 10579.760

Angle of maximum intensity: C=45.0 γ =1.0

Beam Angle(50%Imax): [C0/180]Total=23.8

[C90/270]Total=23.6

Field angle(10%Imax): [C0/180]Total=54.7

[C90/270]Total=53.3

Maximum s/h(1/2): C0_180=0.40 C90_270=0.39

Maximum s/h(1/4): C0_180=0.43 C90_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 95.54%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.473%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10551.958	0.000	0	0.00%	0.00%
1.0	10493.728	10.070	10.07	0.36%	0.37%
2.0	10351.518	29.919	39.989	1.06%	1.48%
3.0	10109.455	48.936	88.925	1.73%	3.28%
4.0	9750.492	66.478	155.403	2.35%	5.73%
5.0	9305.794	81.979	237.382	2.89%	8.76%
6.0	8780.043	95.046	332.428	3.35%	12.27%
7.0	8222.250	105.533	437.961	3.72%	16.16%
8.0	7608.788	113.300	551.26	4.00%	20.34%
9.0	7027.952	118.623	669.883	4.18%	24.72%
10.0	6367.819	121.227	791.11	4.28%	29.19%
11.0	5796.346	121.545	912.655	4.29%	33.68%
12.0	5189.834	120.095	1032.75	4.24%	38.11%
13.0	4626.774	116.498	1149.248	4.11%	42.41%
14.0	4078.345	111.425	1260.673	3.93%	46.52%
15.0	3619.895	105.685	1366.358	3.73%	50.42%
16.0	3176.733	99.590	1465.947	3.51%	54.09%
17.0	2811.845	93.258	1559.206	3.29%	57.53%
18.0	2479.072	87.236	1646.441	3.08%	60.75%
19.0	2201.309	81.429	1727.87	2.87%	63.76%
20.0	1970.145	76.349	1804.22	2.69%	66.58%
21.0	1770.437	71.827	1876.046	2.53%	69.23%
22.0	1600.429	67.739	1943.785	2.39%	71.73%
23.0	1446.223	63.927	2007.712	2.26%	74.08%
24.0	1290.992	59.845	2067.558	2.11%	76.29%
25.0	1211.050	56.891	2124.449	2.01%	78.39%
26.0	1144.407	55.601	2180.049	1.96%	80.44%
27.0	1071.474	54.212	2234.261	1.91%	82.44%
28.0	1004.400	52.557	2286.818	1.85%	84.38%
29.0	915.233	50.223	2337.041	1.77%	86.24%
30.0	821.429	46.890	2383.931	1.65%	87.97%
31.0	725.108	43.038	2426.969	1.52%	89.56%
32.0	632.979	38.908	2465.876	1.37%	90.99%
33.0	534.742	34.402	2500.278	1.21%	92.26%
34.0	442.503	29.574	2529.852	1.04%	93.35%
35.0	355.853	24.794	2554.646	0.87%	94.27%
36.0	282.239	20.317	2574.963	0.72%	95.02%
37.0	237.031	16.936	2591.899	0.60%	95.64%

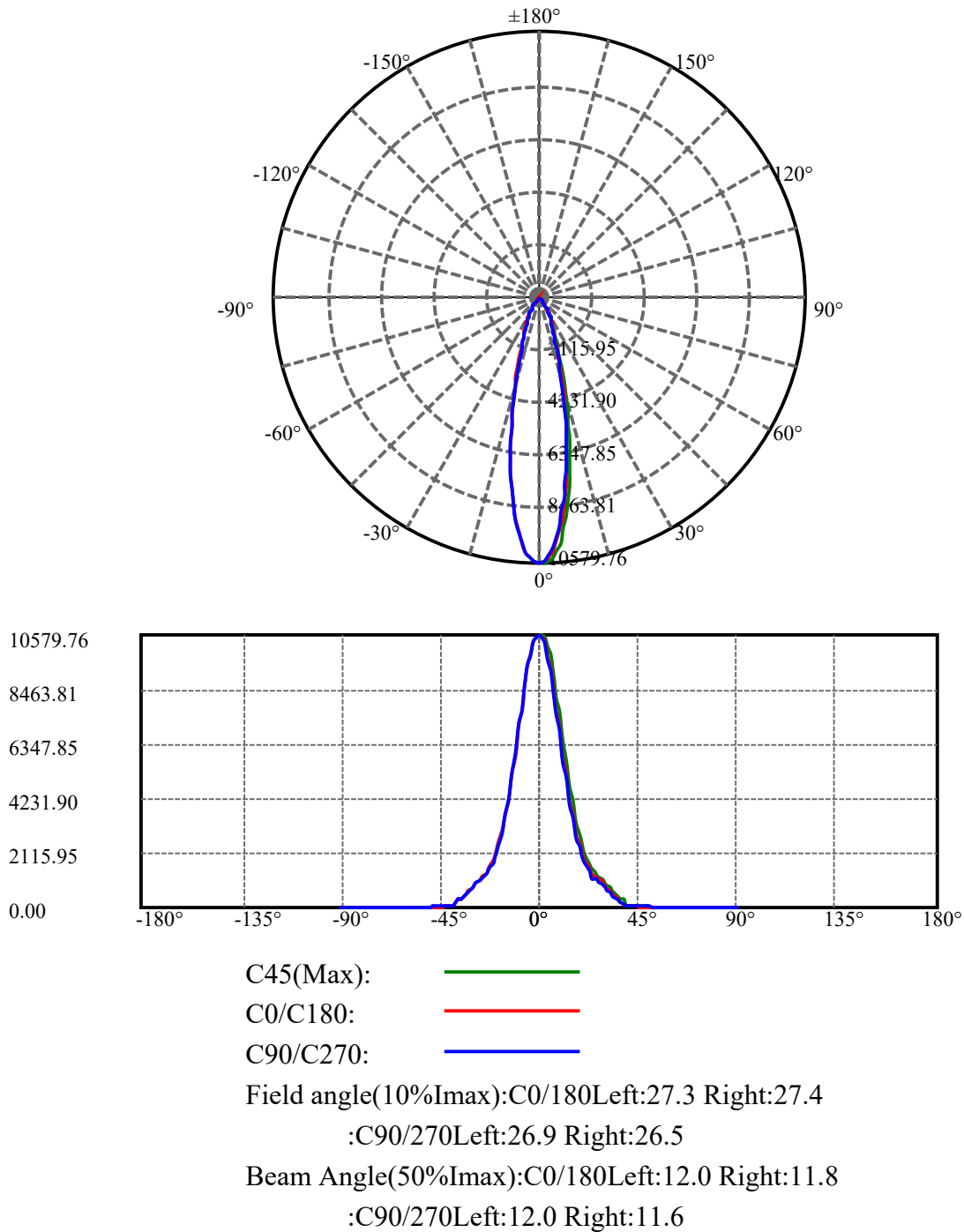
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	150.374	12.931	2604.83	0.46%	96.12%
39.0	82.005	7.932	2612.761	0.28%	96.41%
40.0	54.960	4.777	2617.538	0.17%	96.59%
41.0	45.830	3.589	2621.127	0.13%	96.72%
42.0	42.612	3.213	2624.341	0.11%	96.84%
43.0	40.359	3.073	2627.414	0.11%	96.95%
44.0	38.632	2.981	2630.395	0.11%	97.06%
45.0	36.986	2.906	2633.302	0.10%	97.17%
46.0	35.187	2.823	2636.124	0.10%	97.27%
47.0	33.292	2.724	2638.848	0.10%	97.37%
48.0	31.617	2.624	2641.472	0.09%	97.47%
49.0	30.212	2.539	2644.011	0.09%	97.56%
50.0	28.588	2.452	2646.462	0.09%	97.65%
51.0	27.213	2.361	2648.823	0.08%	97.74%
52.0	26.006	2.284	2651.107	0.08%	97.83%
53.0	24.843	2.212	2653.319	0.08%	97.91%
54.0	23.614	2.136	2655.454	0.08%	97.99%
55.0	22.546	2.060	2657.515	0.07%	98.06%
56.0	21.500	1.990	2659.505	0.07%	98.14%
57.0	20.519	1.921	2661.426	0.07%	98.21%
58.0	19.693	1.860	2663.286	0.07%	98.28%
59.0	19.012	1.809	2665.096	0.06%	98.34%
60.0	18.354	1.765	2666.861	0.06%	98.41%
61.0	17.791	1.725	2668.586	0.06%	98.47%
62.0	17.315	1.692	2670.277	0.06%	98.53%
63.0	16.803	1.659	2671.937	0.06%	98.59%
64.0	16.313	1.625	2673.562	0.06%	98.65%
65.0	15.852	1.592	2675.154	0.06%	98.71%
66.0	15.487	1.564	2676.717	0.06%	98.77%
67.0	15.143	1.540	2678.257	0.05%	98.83%
68.0	14.784	1.516	2679.773	0.05%	98.88%
69.0	14.404	1.489	2681.262	0.05%	98.94%
70.0	14.148	1.466	2682.729	0.05%	98.99%
71.0	13.950	1.452	2684.181	0.05%	99.05%
72.0	13.716	1.439	2685.62	0.05%	99.10%
73.0	13.511	1.424	2687.043	0.05%	99.15%
74.0	13.307	1.410	2688.453	0.05%	99.20%
75.0	13.160	1.398	2689.852	0.05%	99.26%

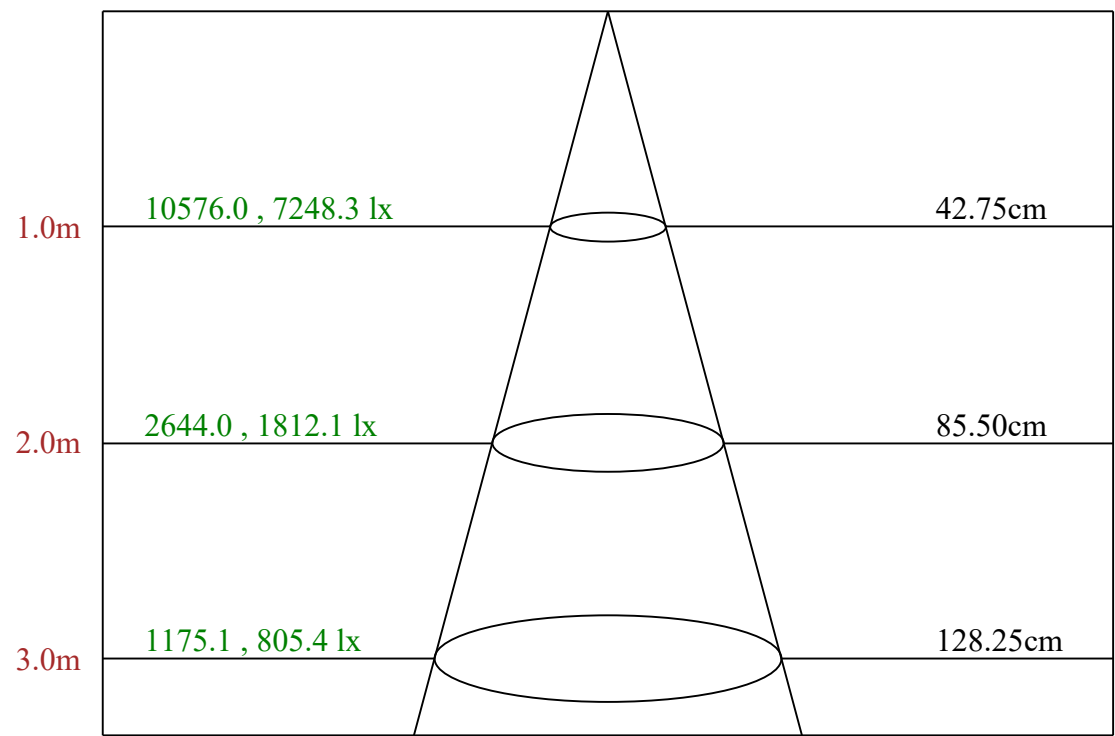
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	13.021	1.390	2691.241	0.05%	99.31%
77.0	12.912	1.383	2692.624	0.05%	99.36%
78.0	12.802	1.376	2694.001	0.05%	99.41%
79.0	12.692	1.370	2695.37	0.05%	99.46%
80.0	12.619	1.365	2696.735	0.05%	99.51%
81.0	12.531	1.360	2698.095	0.05%	99.56%
82.0	12.443	1.354	2699.449	0.05%	99.61%
83.0	12.370	1.349	2700.798	0.05%	99.66%
84.0	12.275	1.343	2702.141	0.05%	99.71%
85.0	12.195	1.336	2703.476	0.05%	99.76%
86.0	12.114	1.329	2704.805	0.05%	99.81%
87.0	12.019	1.321	2706.126	0.05%	99.86%
88.0	11.931	1.312	2707.438	0.05%	99.90%
89.0	11.763	1.299	2708.737	0.05%	99.95%
90.0	11.653	1.284	2710.02	0.05%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	2383.93	84.10%	87.97%
0-40	2617.54	92.35%	96.59%
0-60	2666.86	94.09%	98.41%
0-90	2708.74	95.56%	99.95%
0-120	2708.74	95.56%	99.95%
0-180	2710.02	95.61%	100.00%
60-90	41.88	1.48%	1.55%
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%
0-25.78	2168.02	76.49%	80.00%

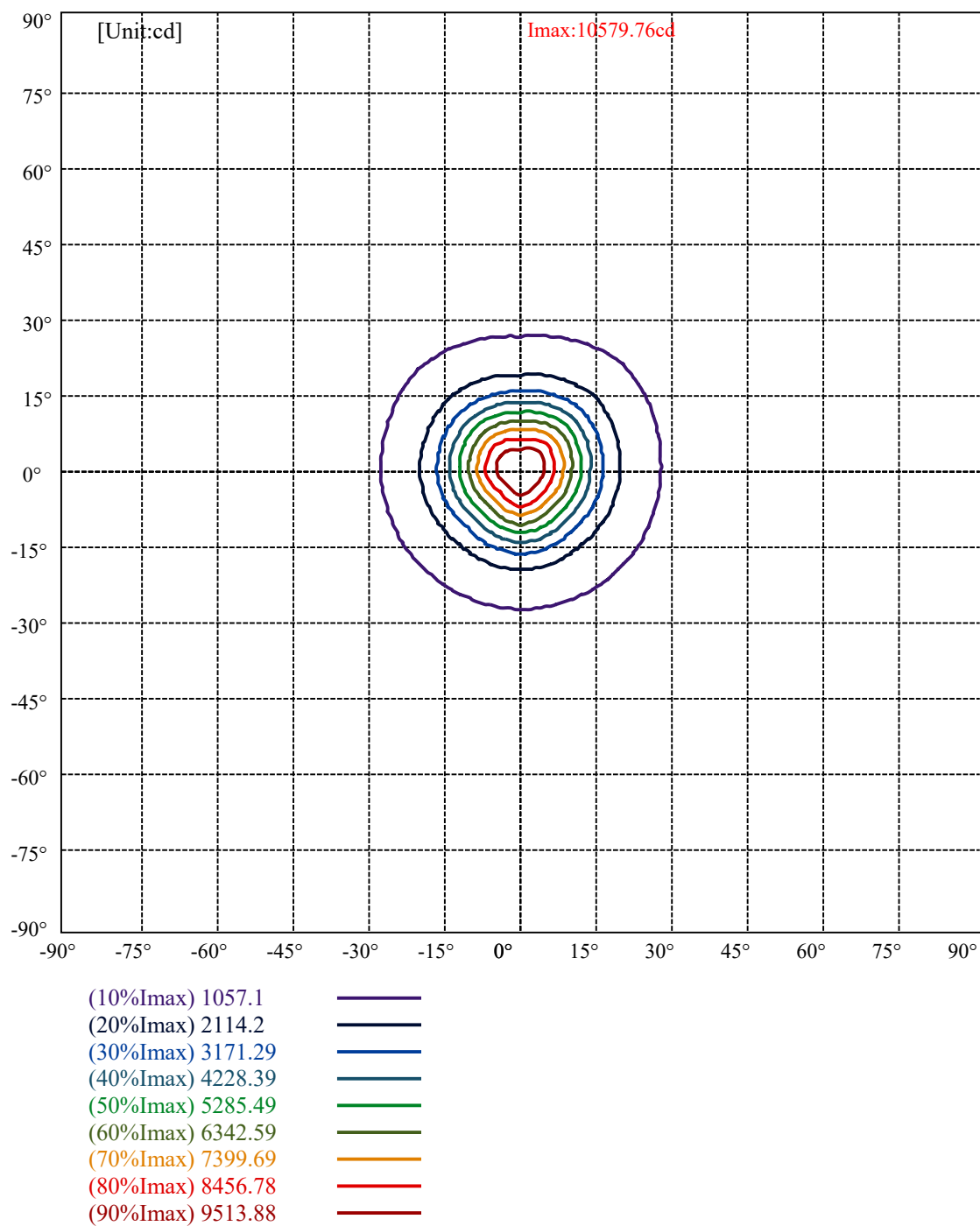
ZONAL LUMEN SUMMARY

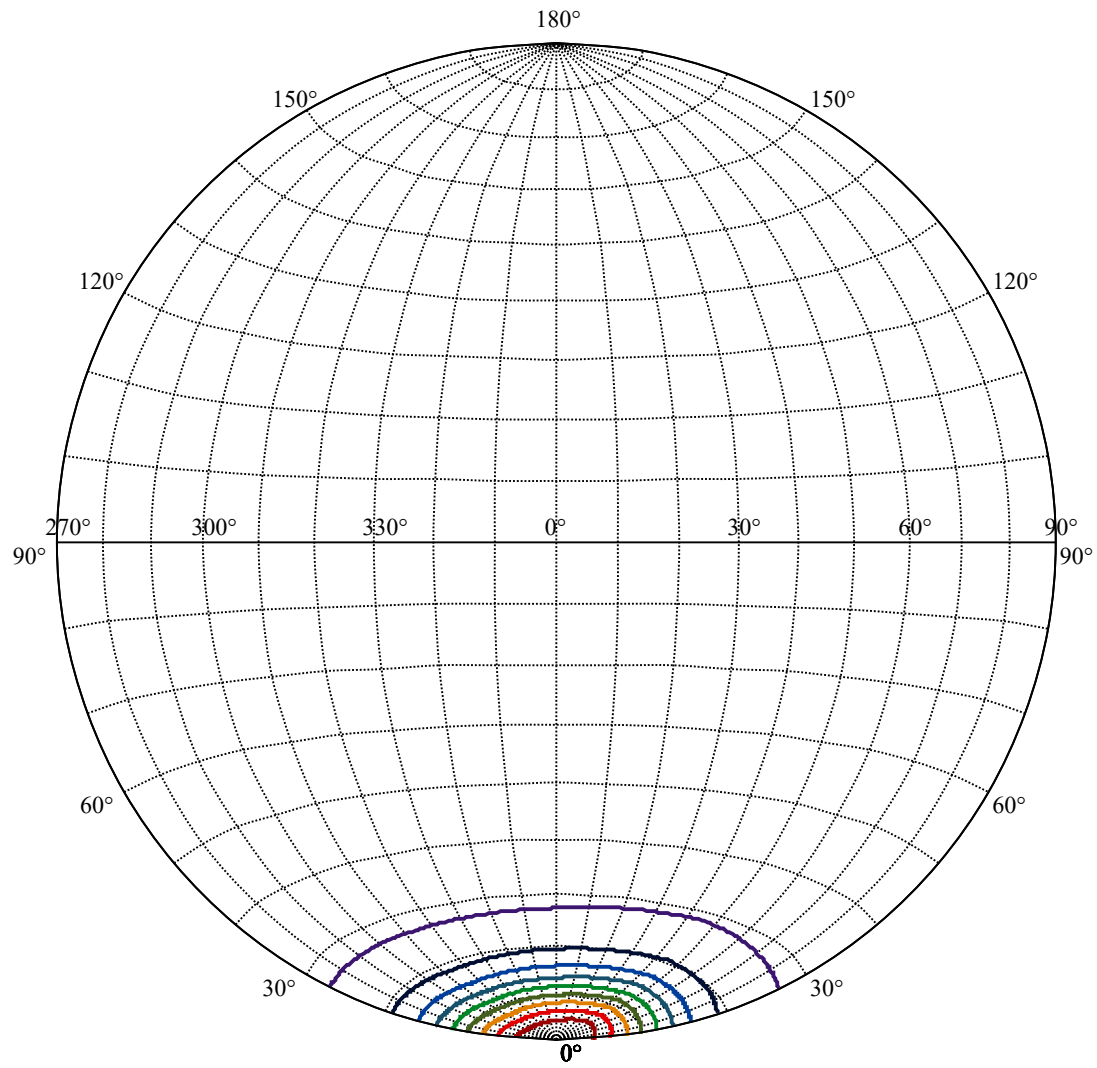
0-10	791.11
10-20	1013.11
20-30	579.71
30-40	233.61
40-50	28.92
50-60	20.40
60-70	15.87
70-80	14.01
80-90	12.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C45 plane 24.13



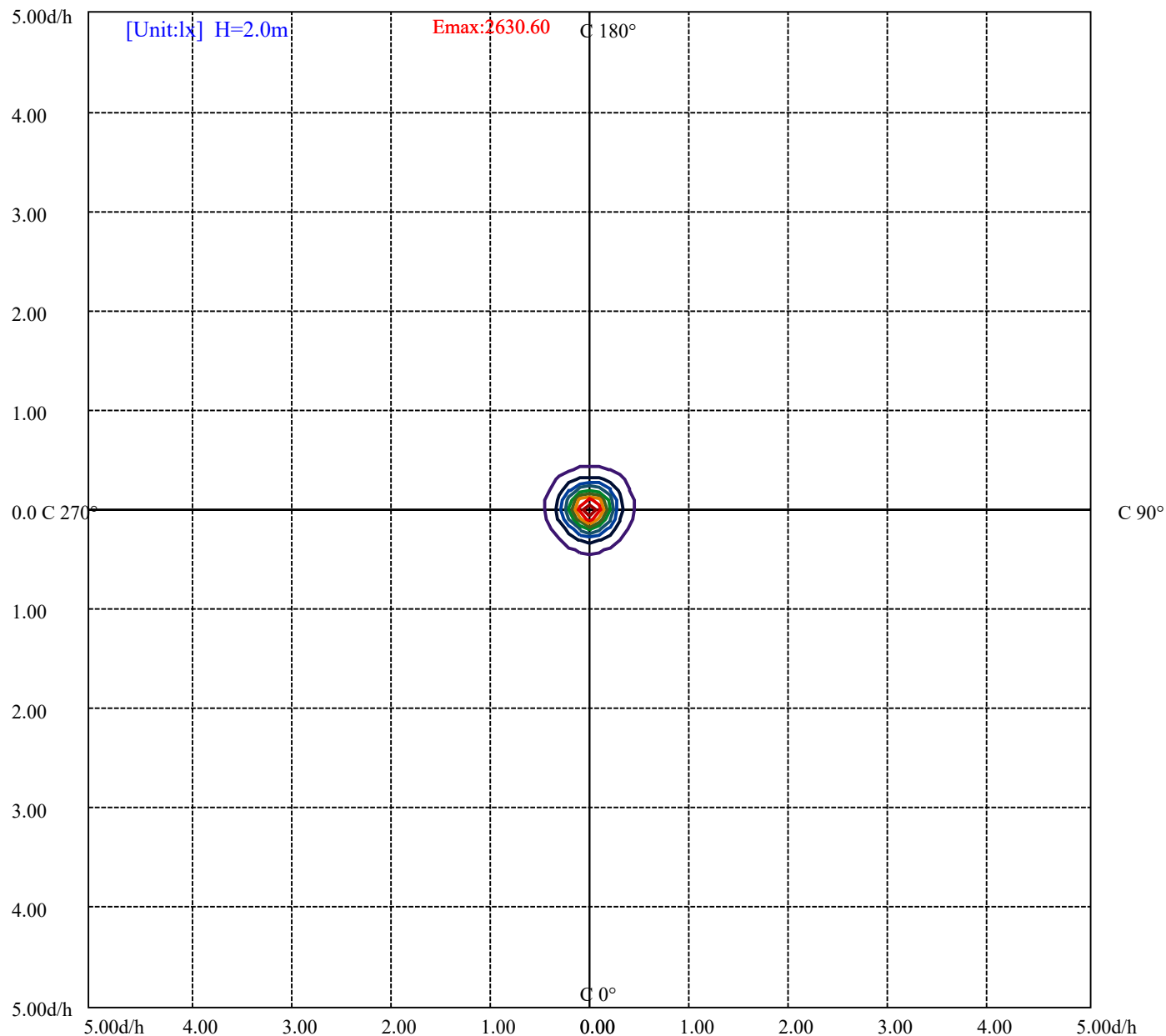


House

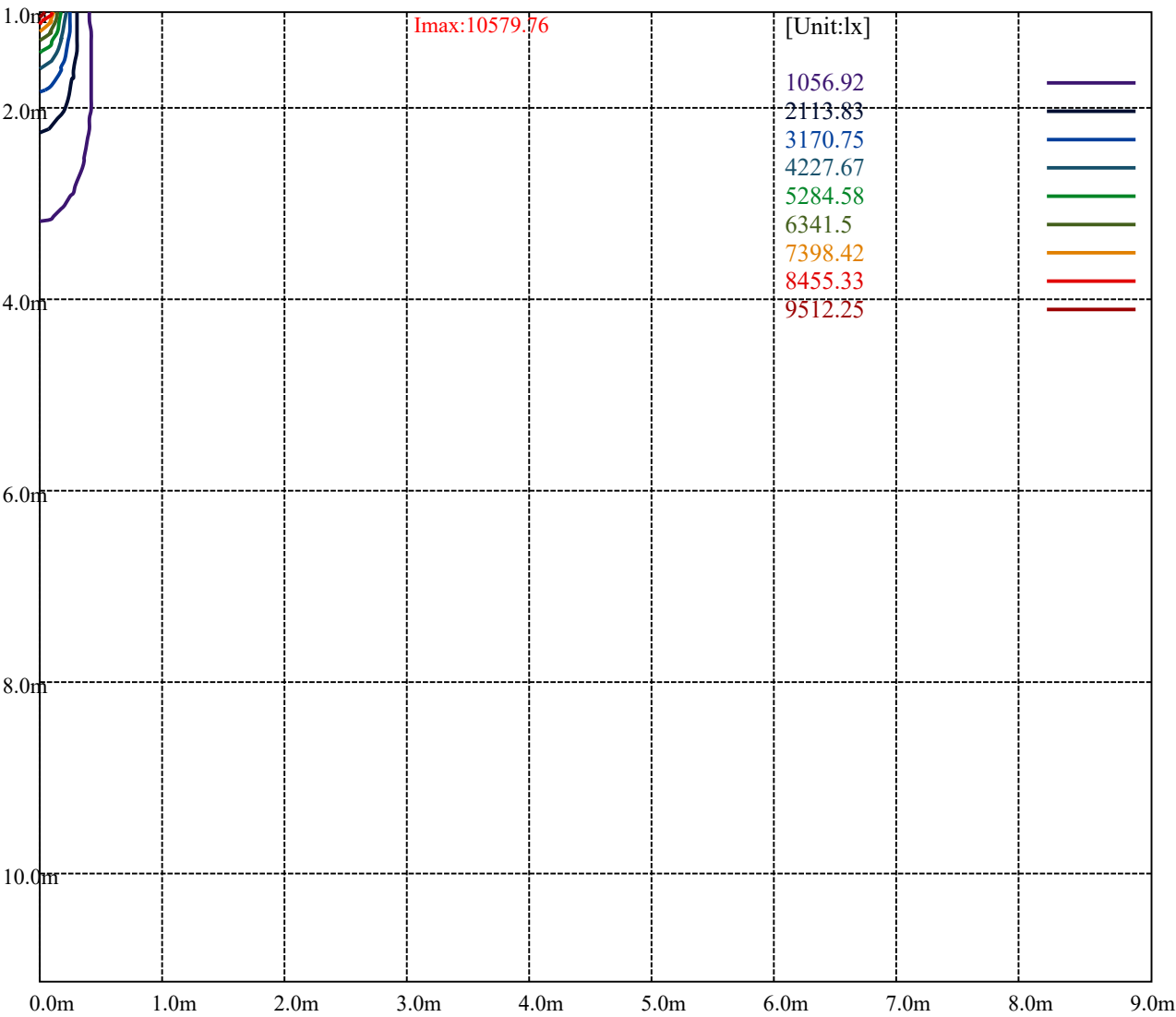
[Unit:cd]

Road

Imax:10579.76	
(10%Imax)	1058.09
(20%Imax)	2116.17
(30%Imax)	3174.26
(40%Imax)	4232.35
(50%Imax)	5290.43
(60%Imax)	6348.52
(70%Imax)	7406.61
(80%Imax)	8464.7
(90%Imax)	9522.78



(10%Emax)	263.06	
(20%Emax)	526.1175	
(30%Emax)	789.1775	
(40%Emax)	1052.235	
(50%Emax)	1315.295	
(60%Emax)	1578.355	
(70%Emax)	1841.412	
(80%Emax)	2104.472	
(90%Emax)	2367.53	



Luminance Limiting Curve(no luminous side)

Luminance Table

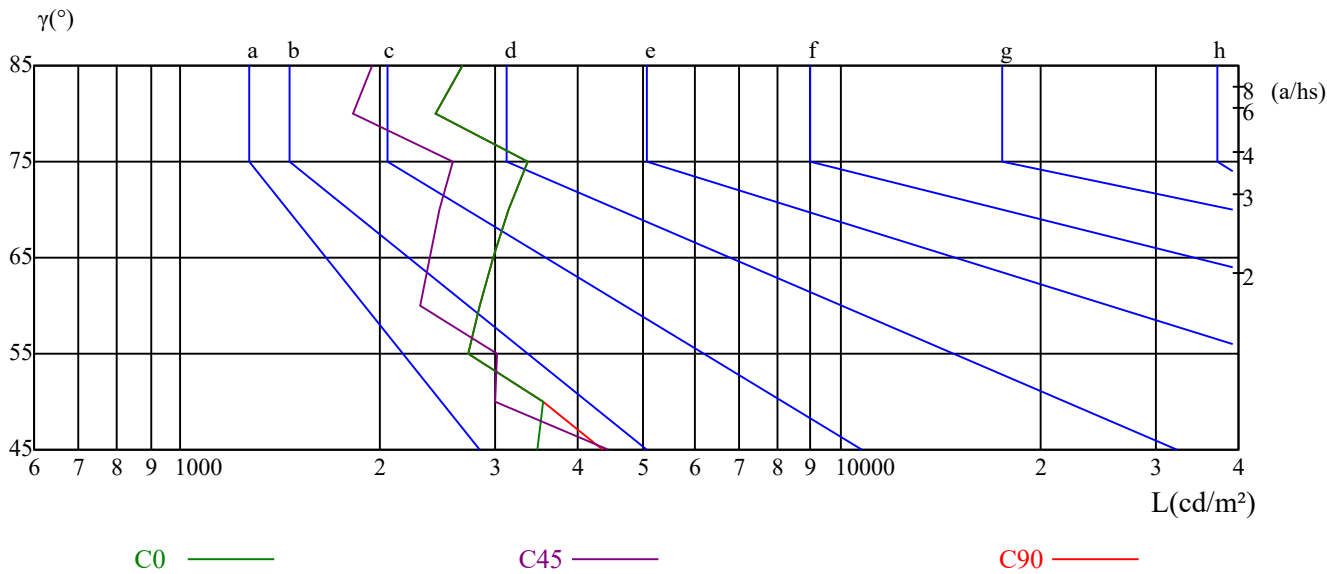
γ	45	50	55	60	65	70	75	80	85
C0	3476	3545	2734	2836	2970	3141	3361	2430	2675
C45	4457	2986	3023	2313	2380	2470	2588	1826	1956
C90	4345	3545	2734	2836	2970	3141	3361	2430	2675

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7385	7385	7385	12059	12059	12059	23875	23875	23875

Glare Table

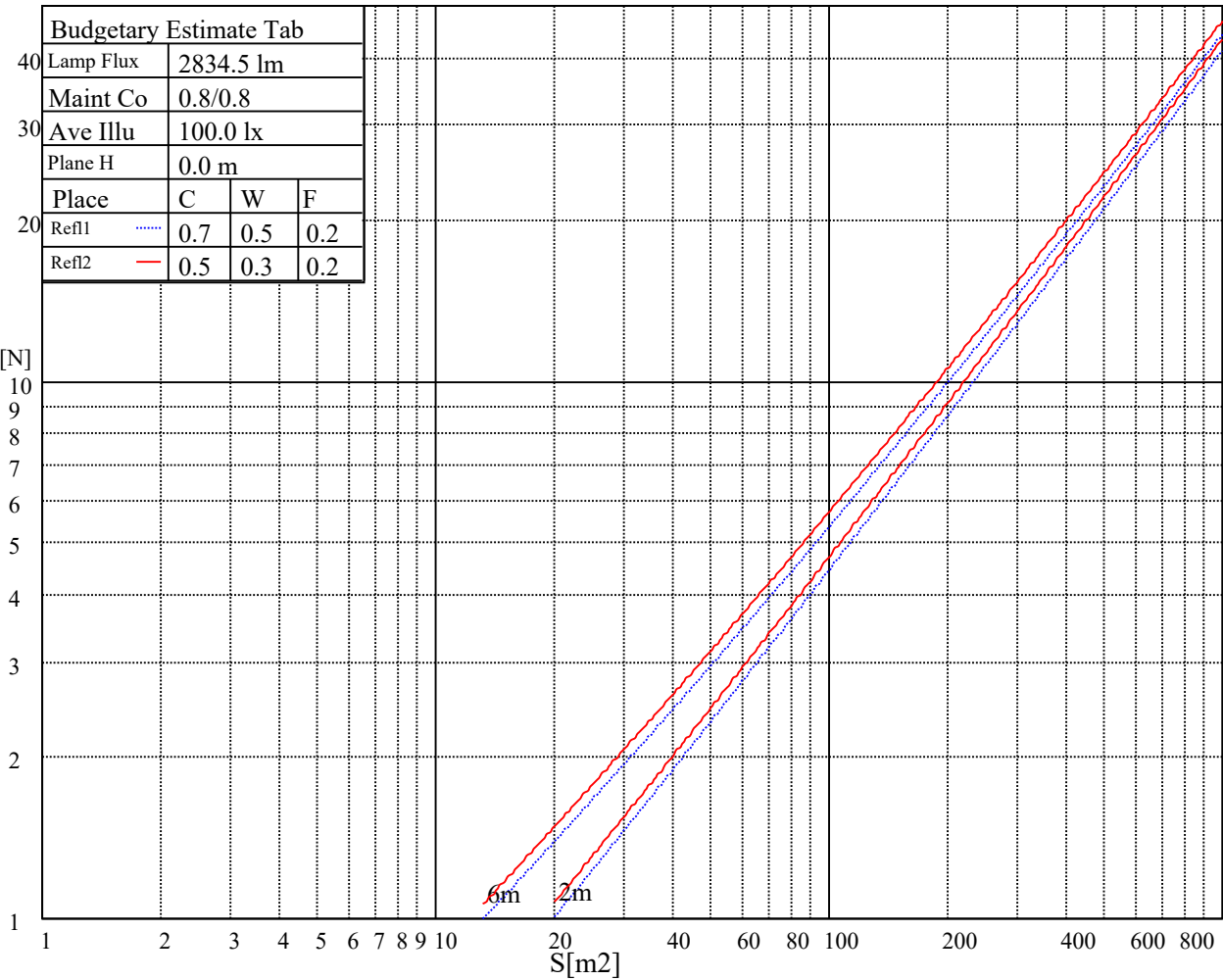
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

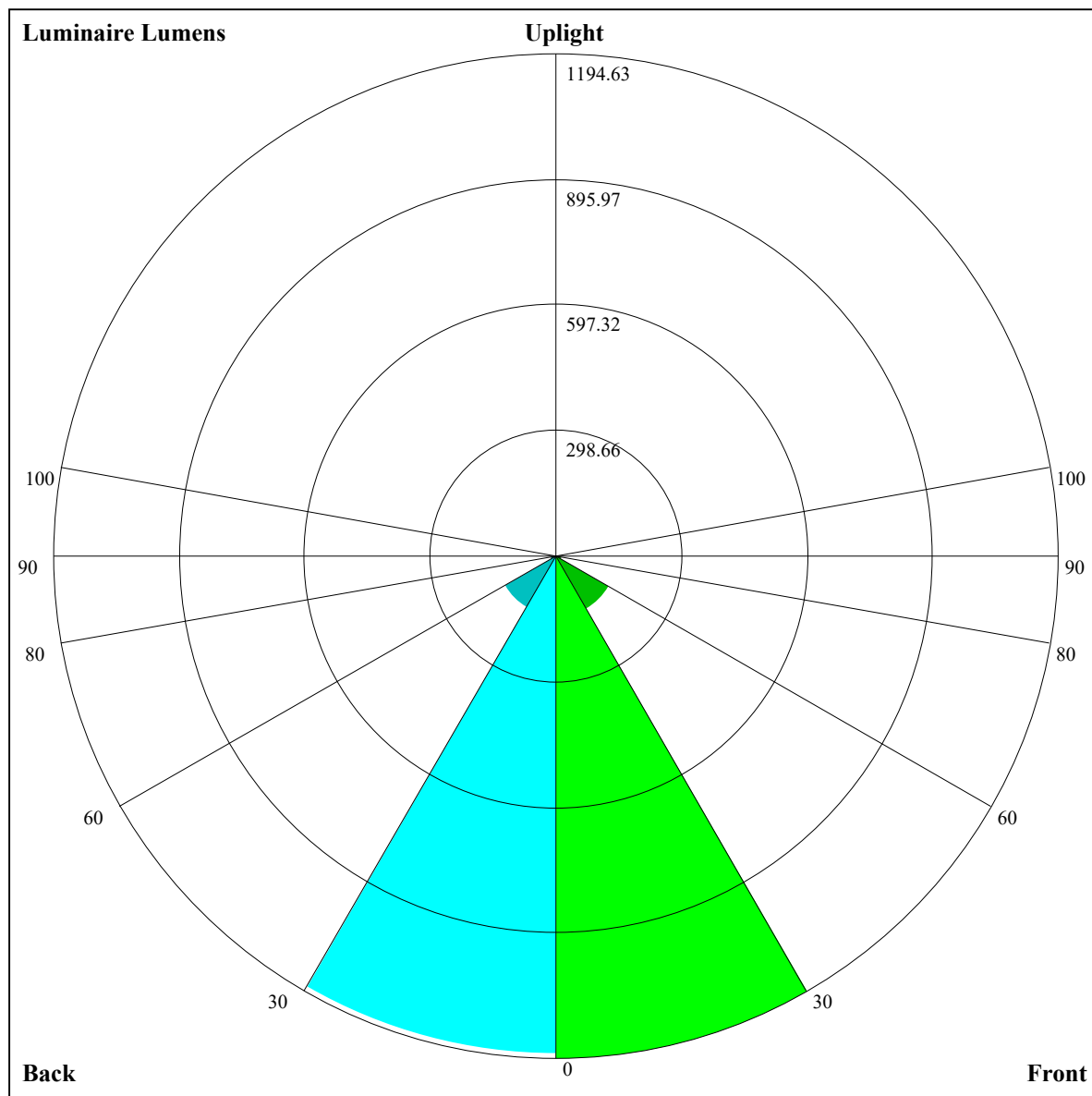


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.14	1.14	1.14	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	0.97	0.97	0.97	0.96
1	1.07	1.05	1.03	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94	0.93	0.93	0.91
2	1.01	0.98	0.95	1.00	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.91	0.90	0.88	0.87
3	0.96	0.92	0.89	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.88	0.86	0.84	0.83
4	0.92	0.87	0.84	0.91	0.87	0.84	0.89	0.85	0.83	0.87	0.84	0.82	0.85	0.83	0.81	0.80
5	0.88	0.83	0.80	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.78	0.82	0.80	0.78	0.76
6	0.84	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	0.73
7	0.81	0.76	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
8	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.68
9	0.75	0.71	0.68	0.75	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.67	0.66
10	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64



Luminaire Lumens:

FL=1194.63,FM=145.62,FH=14.97,FVH=6.65

BL=1182.91,BM=139.71,BH=15.24,BVH=6.65

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	10570.39	10500.17	10364.98	10135.57	9710.11	9294.60	8809.45	8158.68	7619.69
45.0	10521.23	10579.76	10522.99	10366.73	10131.47	9797.90	9255.98	8776.68	8136.44
90.0	10570.98	10486.71	10318.75	9979.90	9612.38	9164.10	8564.24	8032.27	7477.48
135.0	10545.23	10559.86	10476.76	10304.12	9949.47	9555.03	9096.80	8597.60	7950.93
180.0	10570.39	10534.69	10401.85	10175.95	9865.20	9364.24	8895.48	8372.87	7675.87
225.0	10521.23	10349.18	10103.38	9770.98	9364.24	8876.75	8214.28	7654.80	7087.13
270.0	10570.98	10527.09	10407.70	10195.26	9803.75	9395.26	8918.30	8396.87	7701.62
315.0	10545.23	10412.38	10215.75	9947.13	9567.32	8998.48	8485.82	7788.23	7221.15
360.0	10570.39	10500.17	10364.98	10135.57	9710.11	9294.60	8809.45	8158.68	7619.69
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	7053.19	6332.19	5766.28	5195.69	4529.11	4050.99	3610.31	3213.53	2775.78
45.0	7592.18	7032.71	6450.99	5738.19	5186.91	4651.43	4162.18	3593.93	3197.14
90.0	6919.76	6197.59	5617.05	5066.35	4538.48	3932.77	3491.51	2994.65	2655.22
135.0	7394.38	6691.52	6123.85	5563.21	4879.08	4368.18	3891.80	3356.91	2985.29
180.0	7118.74	6409.44	5842.94	5282.88	4757.94	4148.13	3709.80	3300.73	2934.96
225.0	6366.14	5804.91	5241.33	4595.83	4113.61	3562.32	3172.56	2831.96	2528.82
270.0	7141.56	6559.85	5978.13	5270.01	4723.99	4212.51	3633.72	3211.19	2836.06
315.0	6637.68	5914.34	5350.19	4806.51	4285.08	3700.44	3287.27	2910.97	2581.49
360.0	7053.19	6332.19	5766.28	5195.69	4529.11	4050.99	3610.31	3213.53	2775.78
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2483.17	2225.67	2003.87	1779.14	1625.23	1453.76	1333.79	1153.07	1153.07
45.0	2843.67	2541.69	2222.16	2006.80	1785.58	1633.42	1497.65	1348.42	1249.51
90.0	2366.71	2064.73	1862.83	1683.75	1502.33	1376.51	1148.56	1148.56	1085.88
135.0	2654.64	2369.05	2080.53	1875.12	1706.57	1553.83	1393.48	1288.72	1201.53
180.0	2552.22	2267.22	2043.66	1852.88	1644.54	1492.97	1335.54	1242.49	1160.56
225.0	2254.93	1975.19	1791.43	1632.25	1490.63	1270.00	1161.85	1161.85	1081.50
270.0	2445.13	2165.39	1945.93	1716.52	1564.36	1422.74	1303.94	1192.16	1117.25
315.0	2232.11	2001.53	1810.74	1617.04	1484.19	1366.56	1153.13	1153.13	1105.96
360.0	2483.17	2225.67	2003.87	1779.14	1625.23	1453.76	1333.79	1153.07	1153.07
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1084.71	1022.04	919.15	827.04	734.81	648.25	537.18	447.40	361.43
45.0	1173.43	1113.16	1025.96	942.86	853.90	761.44	649.66	561.29	472.92
90.0	1016.95	948.83	867.89	763.19	676.99	589.61	483.34	400.12	324.74
135.0	1113.74	1056.39	966.26	877.90	786.02	692.96	582.36	493.99	407.96
180.0	1076.87	1015.42	932.91	815.86	719.89	632.69	544.32	430.20	347.68
225.0	1014.55	916.87	826.45	732.47	617.35	526.23	441.14	356.46	261.89
270.0	1052.29	993.77	898.96	819.37	729.83	620.98	537.30	434.30	354.12
315.0	1039.24	968.72	884.27	792.75	682.08	591.66	502.65	416.27	316.08
360.0	1084.71	1022.04	919.15	827.04	734.81	648.25	537.18	447.40	361.43
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	282.43	194.29	131.15	79.30	46.76	40.67	38.33	35.41	34.12
45.0	368.75	309.06	309.06	128.63	79.71	55.42	46.41	44.71	42.72
90.0	236.90	173.64	120.91	72.92	56.47	53.31	51.21	49.28	47.40
135.0	327.20	307.89	220.63	108.09	67.24	51.50	49.28	46.17	43.48
180.0	311.40	311.40	121.55	74.38	47.58	38.74	36.23	33.83	32.13
225.0	192.71	131.38	69.70	45.18	38.39	35.93	33.53	32.25	31.13
270.0	296.77	296.77	130.45	86.67	58.00	47.75	45.41	43.25	41.61
315.0	241.76	171.82	99.55	60.86	45.53	43.31	40.50	37.98	36.46
360.0	282.43	194.29	131.15	79.30	46.76	40.67	38.33	35.41	34.12

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	32.83	30.61	28.73	26.92	25.40	23.70	22.53	21.83	21.01
45.0	40.85	38.62	36.99	35.17	33.30	31.31	29.67	28.21	26.63
90.0	45.06	42.90	40.09	38.10	36.40	34.06	32.25	30.55	29.20
135.0	42.02	39.50	37.69	36.05	34.65	32.71	31.31	29.79	28.50
180.0	31.13	30.02	28.44	26.98	26.04	25.11	24.05	23.06	22.12
225.0	29.79	28.56	26.86	25.63	24.64	23.76	23.06	22.18	21.36
270.0	39.68	38.04	36.28	34.24	32.83	31.19	29.79	28.79	27.45
315.0	34.53	33.24	31.25	29.85	28.44	26.86	25.05	23.64	22.47
360.0	32.83	30.61	28.73	26.92	25.40	23.70	22.53	21.83	21.01
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	19.90	18.90	18.02	17.21	16.74	16.21	16.04	15.74	15.57
45.0	25.57	24.35	22.88	21.77	20.37	19.43	18.43	17.73	17.09
90.0	27.56	26.16	24.76	23.47	22.47	21.36	20.31	19.55	19.02
135.0	26.80	25.63	24.40	22.77	21.77	21.07	20.31	19.66	18.96
180.0	21.24	20.13	19.31	18.67	18.08	17.73	17.38	17.03	16.85
225.0	20.60	19.90	18.96	18.43	18.02	17.56	17.21	16.68	16.27
270.0	26.10	25.11	24.23	23.29	22.12	21.36	20.54	19.66	18.84
315.0	21.13	20.19	19.43	18.55	17.97	17.38	16.62	16.27	15.92
360.0	19.90	18.90	18.02	17.21	16.74	16.21	16.04	15.74	15.57
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	15.27	15.04	14.81	14.63	14.46	14.22	13.93	13.75	13.58
45.0	16.62	16.21	15.74	15.22	14.86	14.51	14.16	13.99	13.75
90.0	18.32	17.79	17.09	16.74	16.09	15.63	14.92	14.81	14.63
135.0	18.08	17.50	17.03	16.39	16.09	15.74	15.22	14.63	14.34
180.0	16.50	16.04	15.63	15.27	14.92	14.57	14.34	14.05	13.87
225.0	15.80	15.22	14.86	14.51	14.22	13.99	13.75	13.64	13.46
270.0	18.26	17.62	16.85	16.50	16.09	15.63	15.10	14.63	14.40
315.0	15.57	15.10	14.81	14.63	14.40	13.99	13.81	13.69	13.58
360.0	15.27	15.04	14.81	14.63	14.46	14.22	13.93	13.75	13.58
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	13.40	13.23	13.11	12.99	12.82	12.76	12.58	12.47	12.41
45.0	13.58	13.40	13.23	13.05	12.87	12.76	12.70	12.58	12.52
90.0	14.28	13.93	13.69	13.52	13.40	13.28	13.17	13.05	12.93
135.0	14.16	13.99	13.58	13.46	13.28	13.23	13.11	12.93	12.87
180.0	13.58	13.34	13.17	12.99	12.87	12.70	12.58	12.52	12.41
225.0	13.23	13.11	12.99	12.87	12.76	12.64	12.52	12.41	12.41
270.0	14.10	13.87	13.58	13.34	13.23	13.11	12.99	12.93	12.82
315.0	13.40	13.23	13.11	13.05	12.93	12.82	12.76	12.64	12.58
360.0	13.40	13.23	13.11	12.99	12.82	12.76	12.58	12.47	12.41
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	12.35	12.29	12.23	12.17	12.11	12.11	12.00	12.00	11.88
45.0	12.47	12.35	12.29	12.23	12.23	12.11	12.06	12.00	11.94
90.0	12.82	12.70	12.58	12.41	12.29	12.17	12.11	12.00	11.82
135.0	12.76	12.64	12.58	12.47	12.41	12.29	12.11	12.00	11.88
180.0	12.35	12.29	12.23	12.17	12.11	12.06	12.00	11.88	11.59
225.0	12.35	12.29	12.23	12.17	12.06	12.00	11.94	11.76	11.53
270.0	12.70	12.58	12.47	12.35	12.23	12.11	12.00	11.94	11.76
315.0	12.47	12.41	12.35	12.23	12.11	12.06	11.94	11.88	11.70
360.0	12.35	12.29	12.23	12.17	12.11	12.11	12.00	12.00	11.88

Intensity data(cd)

Appendix Page: 19 Total:19

C/ γ (°)	90.0
0.0	11.76
45.0	11.82
90.0	11.70
135.0	11.65
180.0	11.47
225.0	11.53
270.0	11.65
315.0	11.65
360.0	11.76