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NT

Client:

LumCAT: 2-2645-L

Luminaire: 92.70.412.00

Report No: 20231117-B020

Ballast type: AC

Test No: 20231117-C020

LampCAT: P2141-036-1206-P3090-1

Lamp flux(lm): 3111.0

Number of Lamps: 1

Length(mm): 0

Phm Type: C

Voltage(V): 35.890

Current(A): 0.700

Power (W): 25.123

PF: 0.000

Width(mm): 0

Height(mm): 0

Photometric Results

Lumens(lm): 2881.27, Efficiency(%): 92.62% , Luminous Efficacy(lm/W): 114.69

Central intensity(cd): 6275.714, Maximum intensity(cd): 6275.714

Angle of maximum intensity: C=0.0 γ =0.0

Beam Angle(50%Imax): [C0/180]Total=38.8

[C90/270]Total=38.8

Field angle(10%Imax): [C0/180]Total=63.6

[C90/270]Total=63.6

Maximum s/h(1/2): C0_180=0.64 C90_270=0.64

Maximum s/h(1/4): C0_180=0.62 C90_270=0.62

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 92.62%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 98.007%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	6275.714	0.000	0	0.00%	0.00%
1.0	6266.858	6.001	6.001	0.19%	0.21%
2.0	6236.690	17.946	23.948	0.58%	0.83%
3.0	6179.745	29.696	53.644	0.95%	1.86%
4.0	6108.547	41.133	94.777	1.32%	3.29%
5.0	6010.086	52.134	146.91	1.68%	5.10%
6.0	5908.928	62.638	209.548	2.01%	7.27%
7.0	5784.451	72.581	282.128	2.33%	9.79%
8.0	5645.237	81.800	363.929	2.63%	12.63%
9.0	5500.003	90.326	454.255	2.90%	15.77%
10.0	5339.339	98.092	552.347	3.15%	19.17%
11.0	5173.347	105.043	657.39	3.38%	22.82%
12.0	4973.452	110.919	768.309	3.57%	26.67%
13.0	4775.978	115.701	884.01	3.72%	30.68%
14.0	4552.557	119.404	1003.415	3.84%	34.83%
15.0	4318.965	121.792	1125.207	3.91%	39.05%
16.0	4070.911	122.935	1248.142	3.95%	43.32%
17.0	3787.293	122.373	1370.515	3.93%	47.57%
18.0	3521.734	120.510	1491.025	3.87%	51.75%
19.0	3250.709	117.827	1608.852	3.79%	55.84%
20.0	2978.093	114.004	1722.856	3.66%	59.80%
21.0	2710.735	109.237	1832.093	3.51%	63.59%
22.0	2435.005	103.406	1935.499	3.32%	67.18%
23.0	2190.273	97.051	2032.55	3.12%	70.54%
24.0	1945.541	90.424	2122.974	2.91%	73.68%
25.0	1681.061	82.461	2205.435	2.65%	76.54%
26.0	1496.920	75.017	2280.451	2.41%	79.15%
27.0	1307.646	68.614	2349.066	2.21%	81.53%
28.0	1132.694	61.784	2410.85	1.99%	83.67%
29.0	996.434	55.704	2466.554	1.79%	85.61%
30.0	863.011	50.205	2516.759	1.61%	87.35%
31.0	724.835	44.187	2560.946	1.42%	88.88%
32.0	608.426	38.196	2599.142	1.23%	90.21%
33.0	500.625	32.673	2631.815	1.05%	91.34%
34.0	404.579	27.394	2659.21	0.88%	92.29%
35.0	334.163	22.943	2682.152	0.74%	93.09%
36.0	280.643	19.576	2701.728	0.63%	93.77%
37.0	218.937	16.294	2718.021	0.52%	94.33%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	182.605	13.403	2731.424	0.43%	94.80%
39.0	146.099	11.220	2742.644	0.36%	95.19%
40.0	111.365	8.979	2751.623	0.29%	95.50%
41.0	92.018	7.242	2758.865	0.23%	95.75%
42.0	77.163	6.147	2765.012	0.20%	95.97%
43.0	66.750	5.331	2770.343	0.17%	96.15%
44.0	59.367	4.760	2775.103	0.15%	96.32%
45.0	53.465	4.336	2779.439	0.14%	96.47%
46.0	48.815	4.000	2783.439	0.13%	96.60%
47.0	45.106	3.735	2787.175	0.12%	96.73%
48.0	41.923	3.518	2790.693	0.11%	96.86%
49.0	39.349	3.338	2794.03	0.11%	96.97%
50.0	36.900	3.179	2797.21	0.10%	97.08%
51.0	34.900	3.038	2800.247	0.10%	97.19%
52.0	33.178	2.921	2803.169	0.09%	97.29%
53.0	31.690	2.822	2805.99	0.09%	97.39%
54.0	30.403	2.737	2808.727	0.09%	97.48%
55.0	29.213	2.661	2811.388	0.09%	97.57%
56.0	28.216	2.595	2813.983	0.08%	97.66%
57.0	27.310	2.539	2816.522	0.08%	97.75%
58.0	26.507	2.489	2819.011	0.08%	97.84%
59.0	25.781	2.445	2821.455	0.08%	97.92%
60.0	25.103	2.404	2823.859	0.08%	98.01%
61.0	24.508	2.368	2826.227	0.08%	98.09%
62.0	23.899	2.333	2828.559	0.07%	98.17%
63.0	23.380	2.299	2830.859	0.07%	98.25%
64.0	22.820	2.267	2833.126	0.07%	98.33%
65.0	22.308	2.233	2835.359	0.07%	98.41%
66.0	21.830	2.202	2837.561	0.07%	98.48%
67.0	21.318	2.170	2839.731	0.07%	98.56%
68.0	20.813	2.134	2841.865	0.07%	98.63%
69.0	20.363	2.101	2843.966	0.07%	98.71%
70.0	19.913	2.069	2846.034	0.07%	98.78%
71.0	19.471	2.036	2848.07	0.07%	98.85%
72.0	19.055	2.003	2850.073	0.06%	98.92%
73.0	18.917	1.986	2852.059	0.06%	98.99%
74.0	19.484	2.019	2854.078	0.06%	99.06%
75.0	20.370	2.106	2856.183	0.07%	99.13%

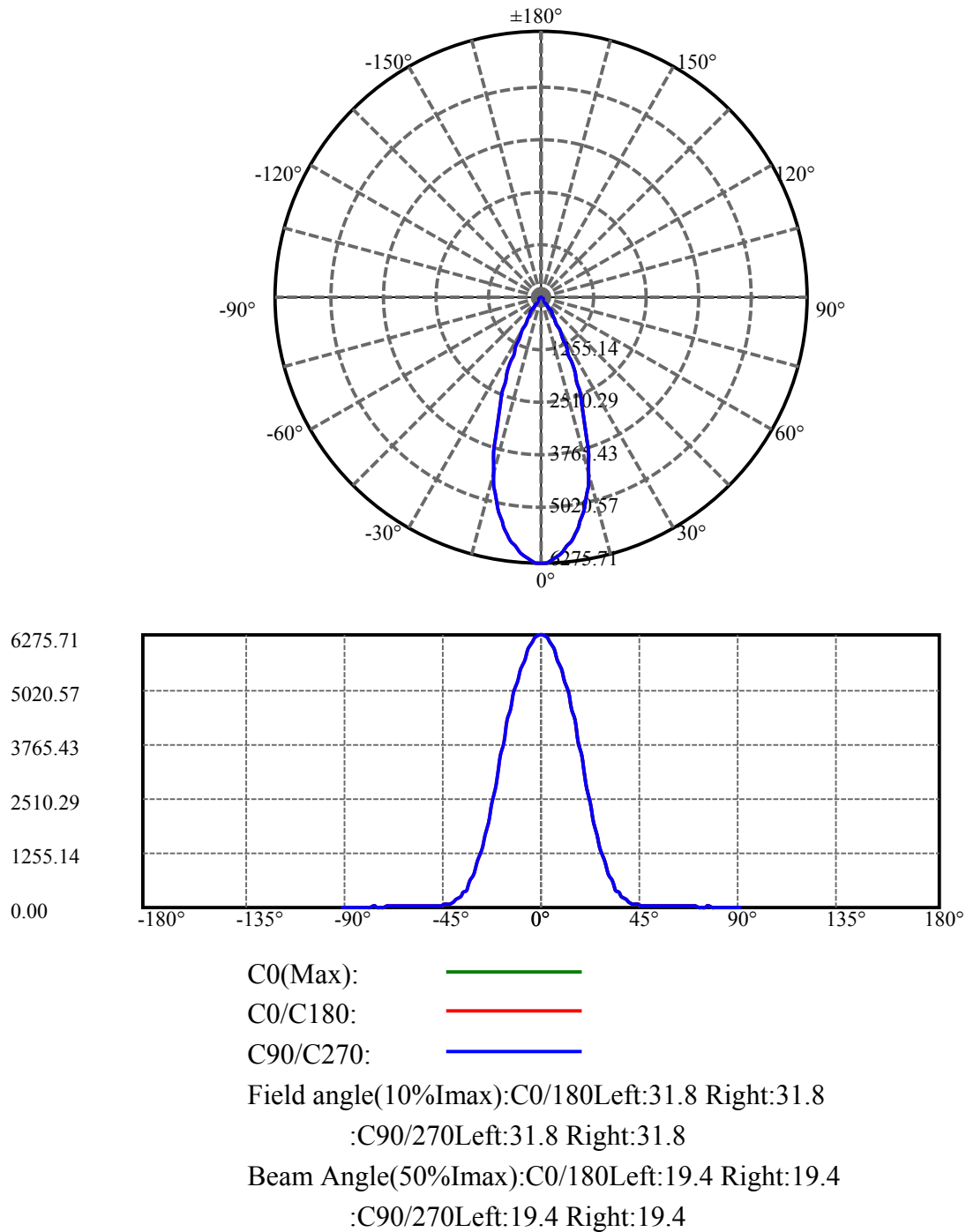
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	20.232	2.155	2858.339	0.07%	99.20%
77.0	19.443	2.115	2860.454	0.07%	99.28%
78.0	18.052	2.007	2862.461	0.06%	99.35%
79.0	17.021	1.884	2864.346	0.06%	99.41%
80.0	16.129	1.787	2866.133	0.06%	99.47%
81.0	15.513	1.711	2867.844	0.06%	99.53%
82.0	15.029	1.656	2869.5	0.05%	99.59%
83.0	14.586	1.610	2871.11	0.05%	99.65%
84.0	14.212	1.569	2872.679	0.05%	99.70%
85.0	13.721	1.525	2874.203	0.05%	99.75%
86.0	13.257	1.475	2875.678	0.05%	99.81%
87.0	12.974	1.436	2877.113	0.05%	99.86%
88.0	12.676	1.405	2878.519	0.05%	99.90%
89.0	12.538	1.382	2879.901	0.04%	99.95%
90.0	12.434	1.369	2881.27	0.04%	100.00%

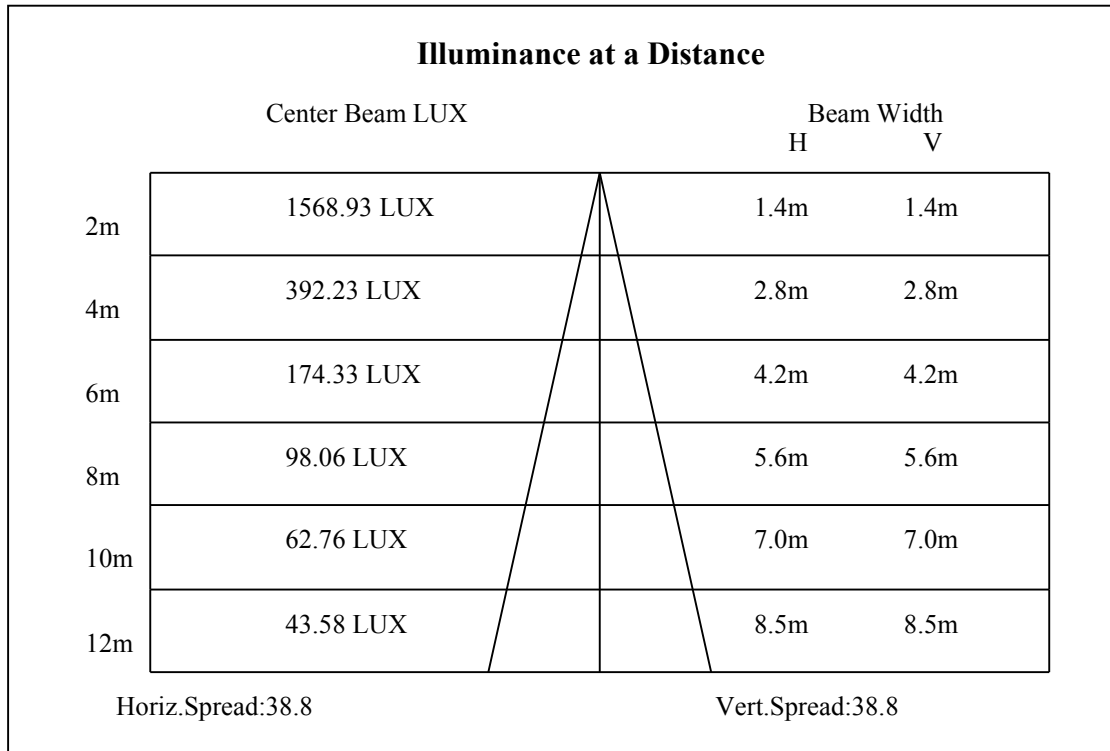
ZONAL LUMEN SUMMARY

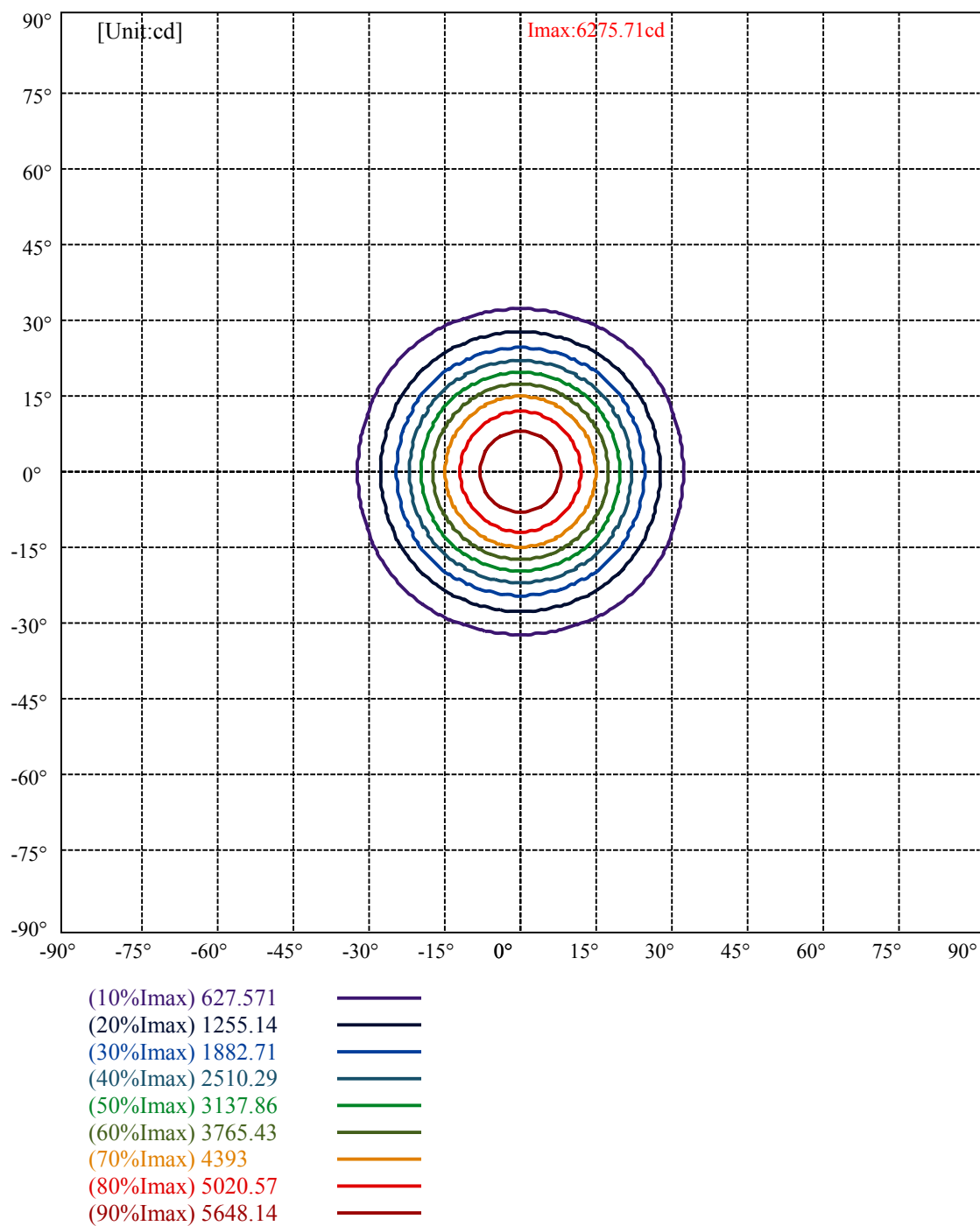
Zone	Lumens	%Lamp	%Fixt
0-30	2516.76	80.90%	87.35%
0-40	2751.62	88.45%	95.50%
0-60	2823.86	90.77%	98.01%
0-90	2879.90	92.57%	99.95%
0-120	2879.90	92.57%	99.95%
0-180	2881.27	92.62%	100.00%
60-90	56.04	1.80%	1.95%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.36	2305.02	74.09%	80.00%

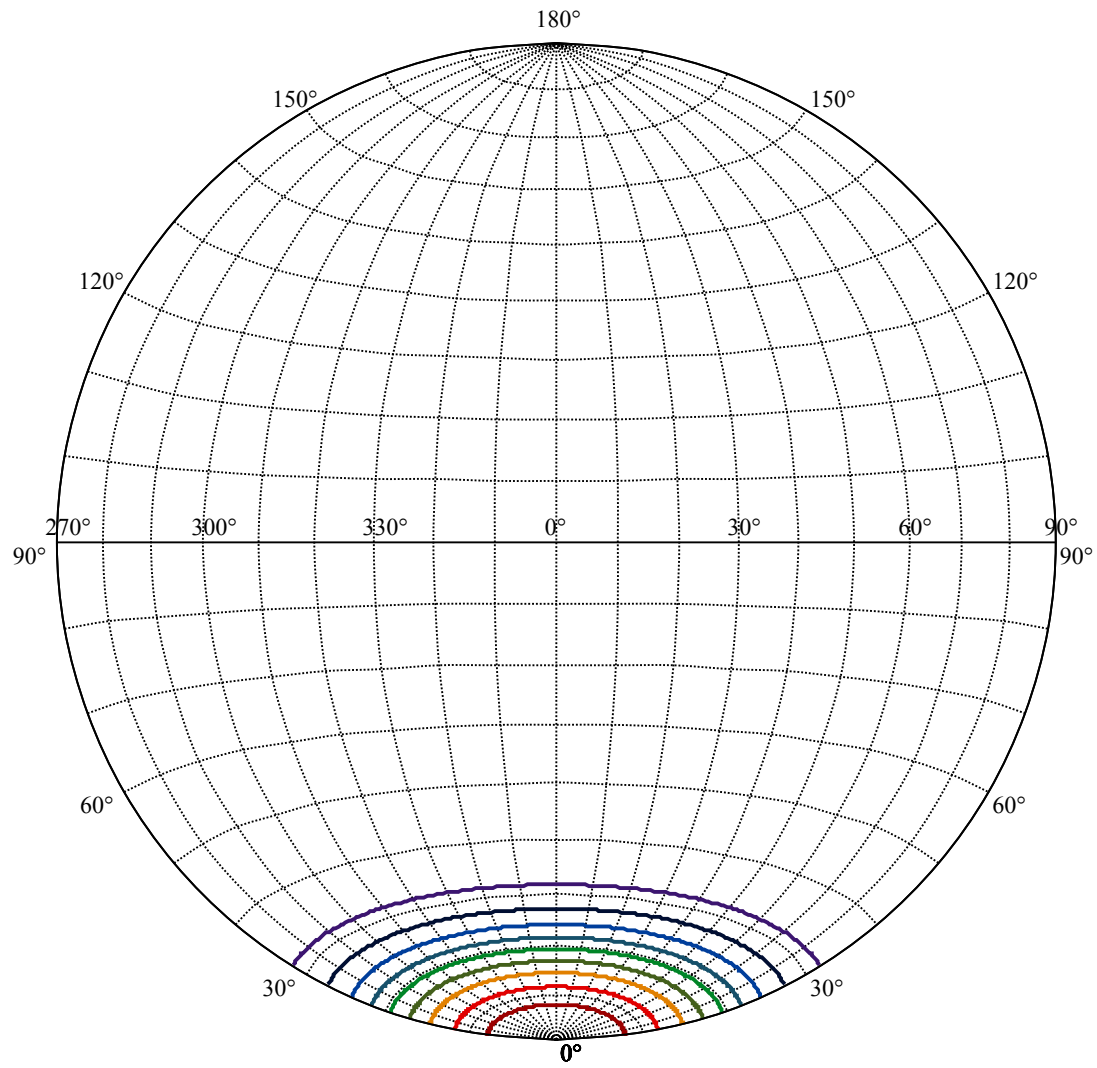
ZONAL LUMEN SUMMARY

0-10	552.35
10-20	1170.51
20-30	793.90
30-40	234.86
40-50	45.59
50-60	26.65
60-70	22.17
70-80	20.10
80-90	13.77
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







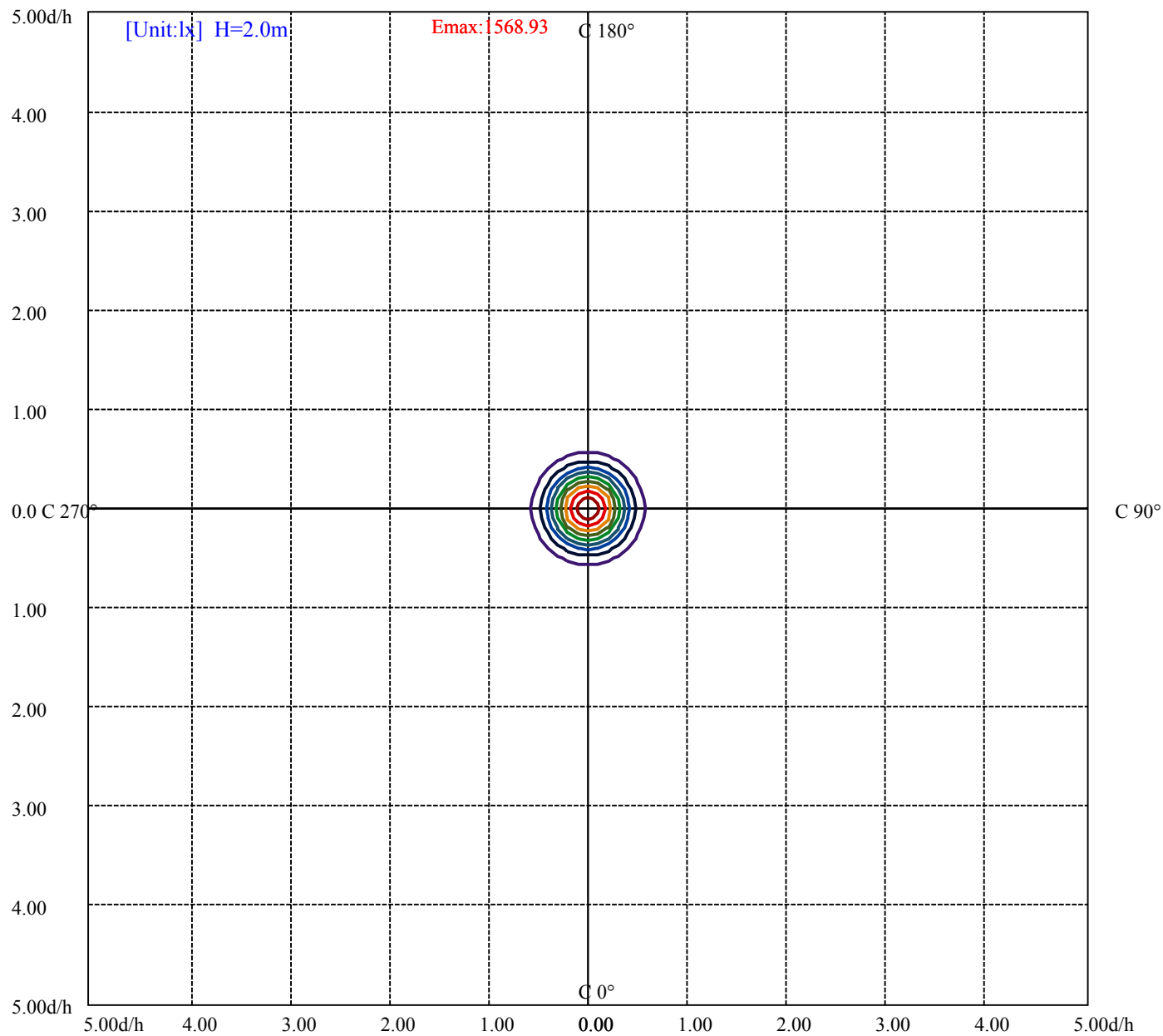


House

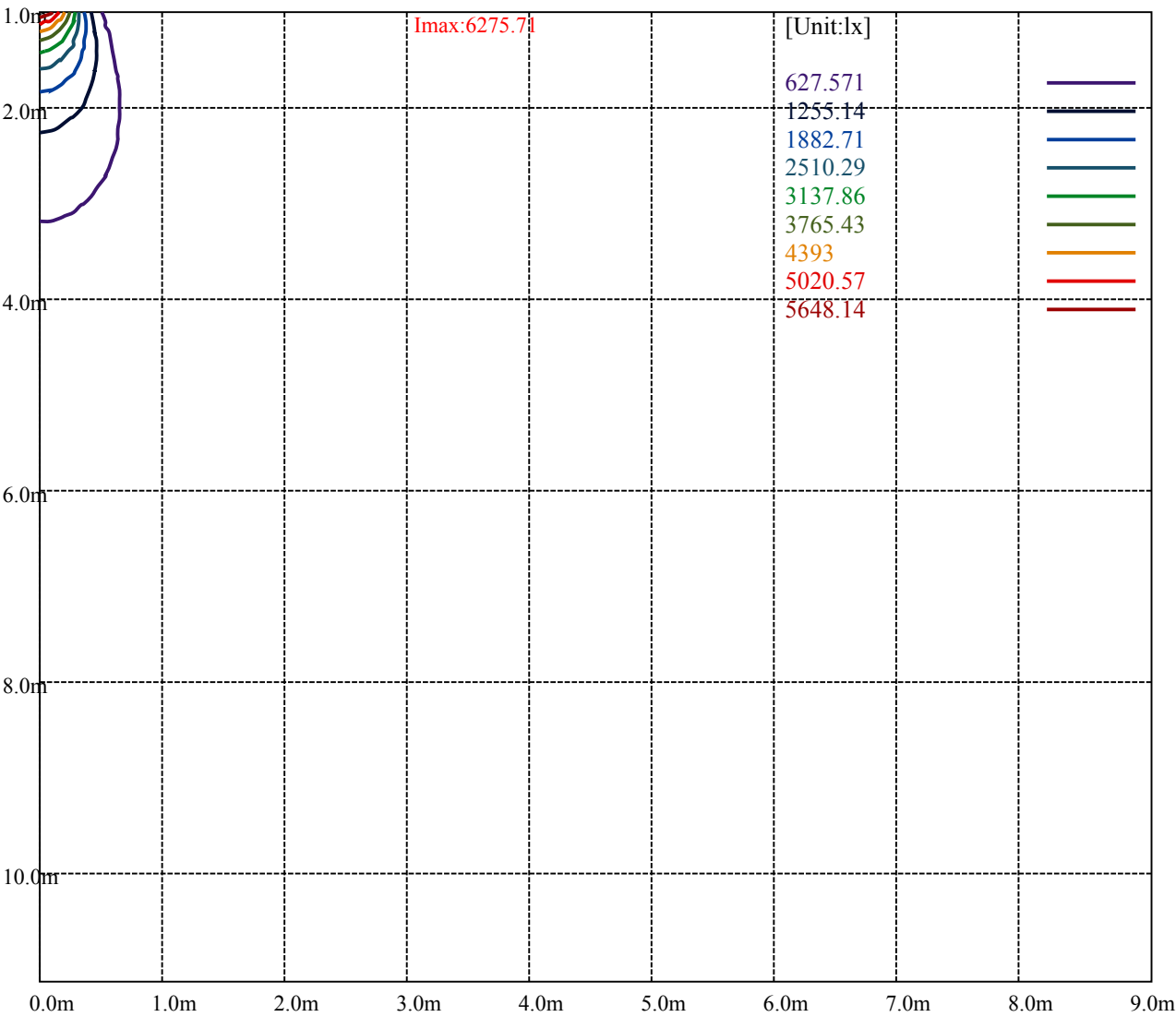
[Unit:cd]

Road

Imax:6275.71	
(10%Imax)	627.571
(20%Imax)	1255.14
(30%Imax)	1882.71
(40%Imax)	2510.29
(50%Imax)	3137.86
(60%Imax)	3765.43
(70%Imax)	4393
(80%Imax)	5020.57
(90%Imax)	5648.14



(10%E _{max}) 156.8927	—
(20%E _{max}) 313.785	—
(30%E _{max}) 470.6775	—
(40%E _{max}) 627.5725	—
(50%E _{max}) 784.465	—
(60%E _{max}) 941.3575	—
(70%E _{max}) 1098.25	—
(80%E _{max}) 1255.142	—
(90%E _{max}) 1412.035	—



Luminance Table

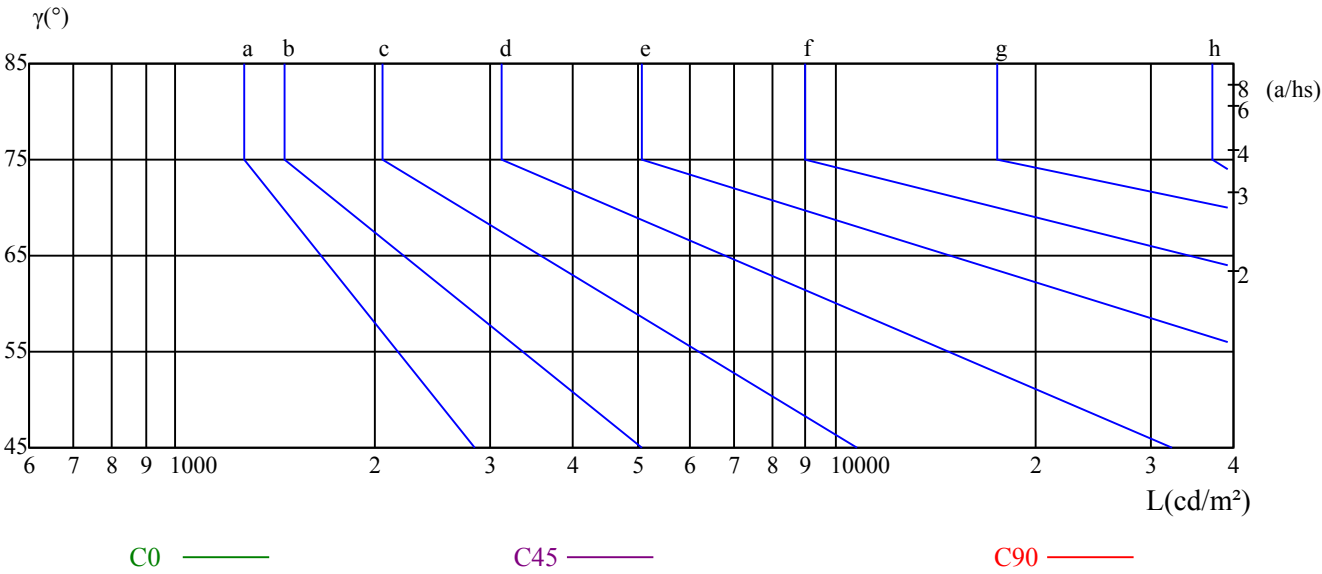
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

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

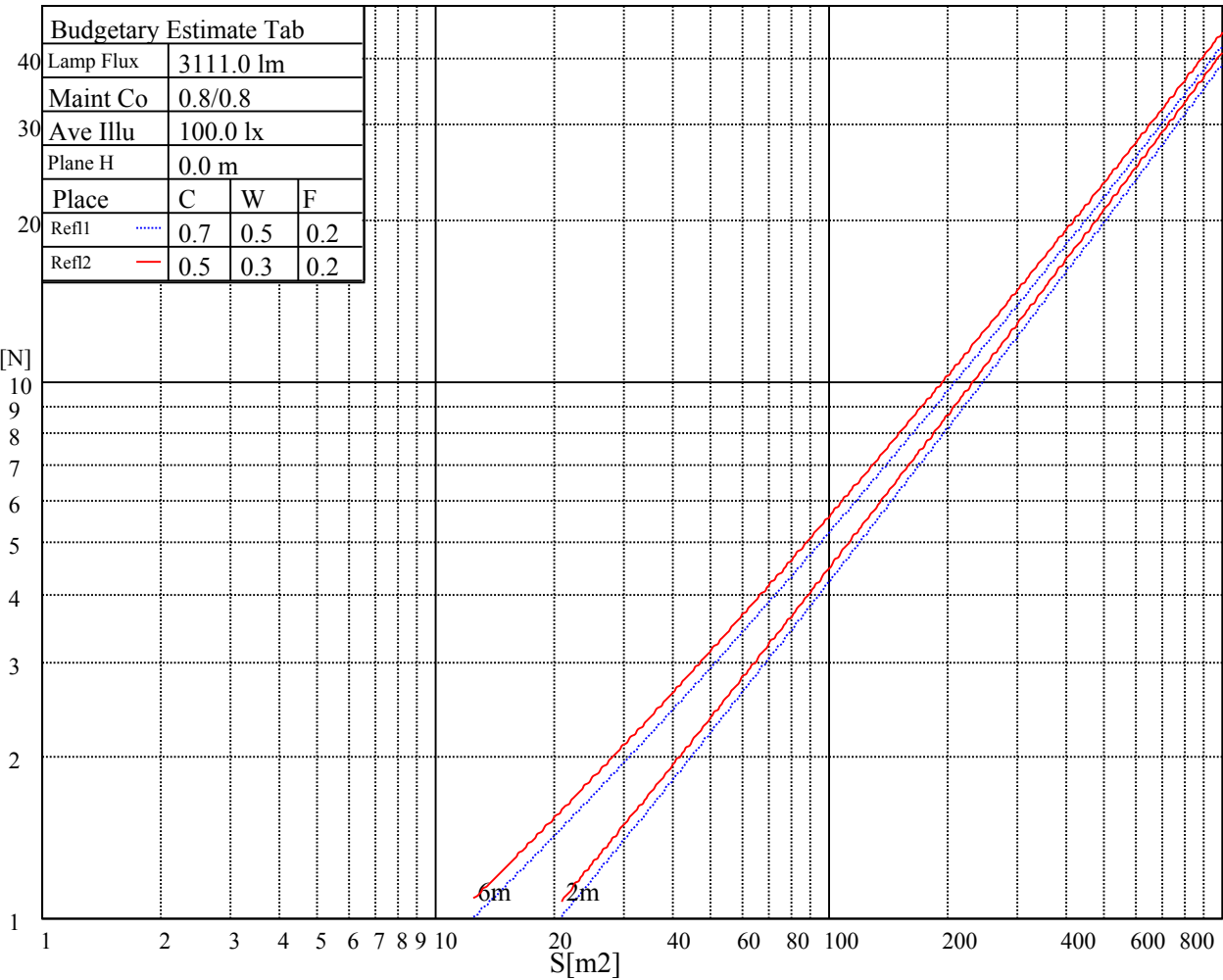
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

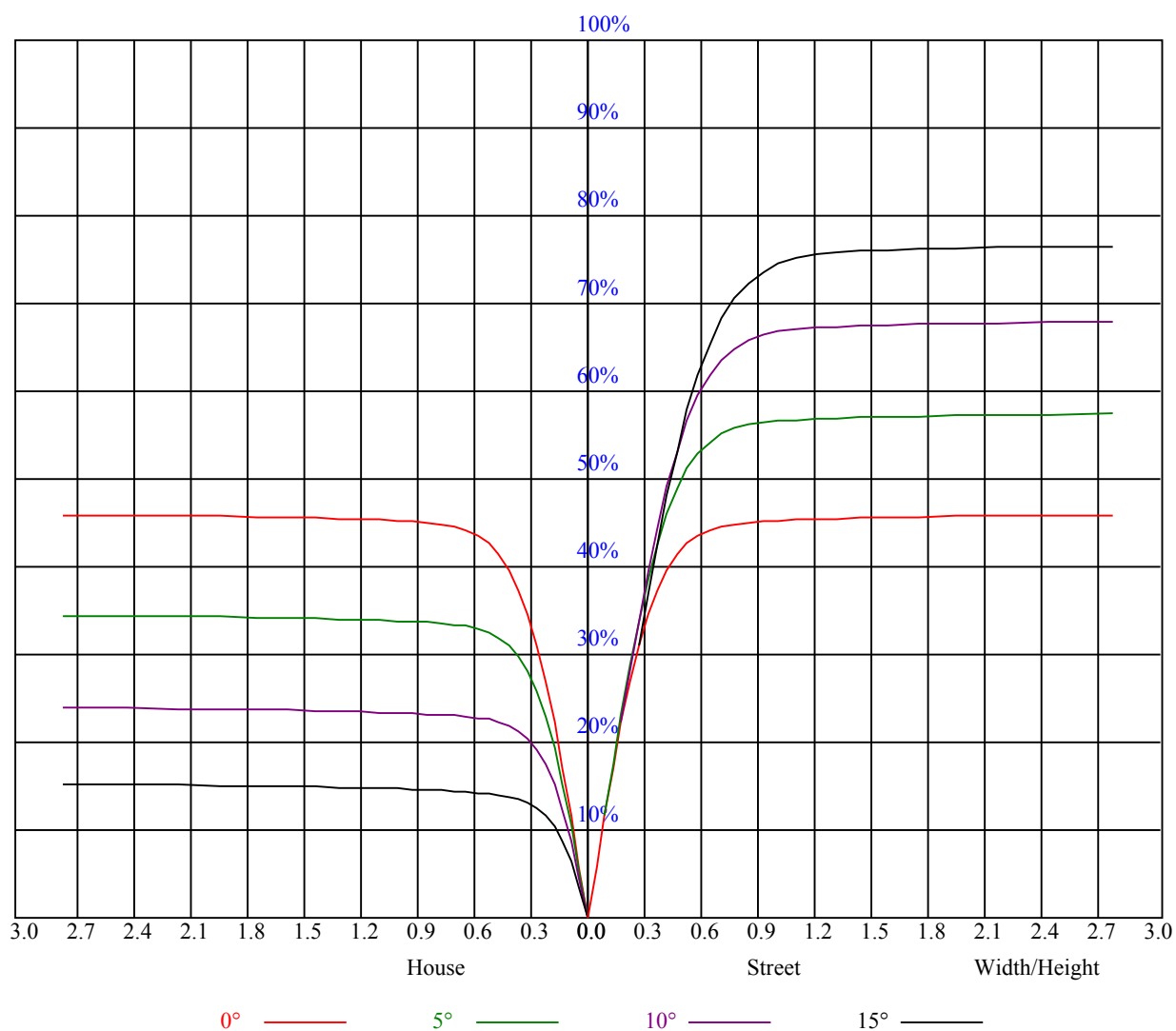


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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	1.10	1.10	1.10	1.08	1.08	1.08	1.03	1.03	1.03	0.99	0.99	0.99	0.95	0.95	0.95	0.93
1	1.03	1.01	0.99	1.01	0.99	0.97	0.97	0.96	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.87
2	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.84	0.83
3	0.92	0.88	0.84	0.90	0.87	0.84	0.88	0.85	0.82	0.86	0.83	0.81	0.84	0.82	0.80	0.78
4	0.87	0.82	0.79	0.86	0.82	0.79	0.84	0.80	0.78	0.82	0.79	0.77	0.81	0.78	0.76	0.75
5	0.83	0.78	0.74	0.82	0.77	0.74	0.80	0.76	0.74	0.79	0.75	0.73	0.77	0.75	0.72	0.71
6	0.79	0.74	0.71	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.74	0.71	0.69	0.68
7	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.70	0.67	0.72	0.69	0.66	0.72	0.68	0.66	0.65
8	0.72	0.67	0.64	0.71	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.69	0.66	0.63	0.62
9	0.69	0.64	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.61	0.66	0.63	0.61	0.59
10	0.66	0.62	0.59	0.66	0.61	0.59	0.65	0.61	0.58	0.65	0.61	0.58	0.64	0.61	0.58	0.57



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	6247.76	6203.48	6132.07	6026.90	5920.07	5781.68	5657.69	5532.04	5362.66
45.0	6289.28	6254.96	6205.14	6139.27	6028.01	5913.98	5801.06	5654.37	5477.24
90.0	6262.71	6206.25	6130.96	6055.68	5944.98	5797.18	5653.82	5513.22	5368.75
135.0	6303.11	6281.53	6247.21	6165.28	6094.43	5993.69	5887.96	5723.56	5592.37
180.0	6247.76	6301.45	6314.74	6273.22	6247.76	6173.59	6096.09	6023.58	5901.80
225.0	6289.28	6318.61	6299.24	6277.10	6224.51	6138.16	6060.67	5929.48	5808.81
270.0	6262.71	6287.06	6317.51	6292.60	6272.67	6219.53	6138.16	6060.11	5936.12
315.0	6303.11	6281.53	6246.65	6207.91	6135.95	6062.88	5975.97	5839.25	5714.15
360.0	6247.76	6203.48	6132.07	6026.90	5920.07	5781.68	5657.69	5532.04	5362.66
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5201.58	5029.43	4848.42	4588.26	4383.45	4148.75	3908.52	3651.12	3338.38
45.0	5339.41	5146.78	4980.72	4803.03	4558.37	4356.33	4126.06	3888.04	3589.13
90.0	5171.69	5000.64	4814.10	4570.55	4366.29	4095.06	3864.23	3611.82	3363.84
135.0	5470.60	5320.59	5113.01	4942.52	4753.21	4541.76	4266.10	4031.40	3730.28
180.0	5745.70	5622.27	5496.61	5298.45	5116.89	4945.29	4696.75	4468.70	4166.47
225.0	5674.85	5499.38	5344.39	5178.33	4986.25	4735.50	4516.85	4279.94	4033.06
270.0	5814.34	5688.69	5552.52	5349.37	5179.99	4996.22	4786.98	4499.69	4256.69
315.0	5581.86	5406.94	5237.00	5057.10	4863.37	4601.54	4386.22	4136.57	3820.51
360.0	5201.58	5029.43	4848.42	4588.26	4383.45	4148.75	3908.52	3651.12	3338.38
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3086.52	2772.11	2515.82	2278.35	1992.73	1775.74	1575.92	1083.05	1083.05
45.0	3343.36	3085.41	2831.34	2528.00	2296.07	2065.80	1789.03	1583.67	1403.21
90.0	3047.22	2793.14	2542.39	2296.62	2004.35	1782.94	1579.79	1269.81	1070.37
135.0	3486.72	3230.44	2896.10	2653.10	2404.56	2172.63	1885.34	1673.89	1484.58
180.0	3920.14	3683.23	3423.62	3147.41	2829.12	2580.58	2333.71	2113.95	1849.92
225.0	3716.44	3457.94	3199.99	2879.49	2630.96	2391.28	2111.74	1906.93	1666.70
270.0	4004.83	3746.33	3446.87	3188.92	2859.01	2584.46	2343.12	2074.65	1860.99
315.0	3568.65	3237.08	2968.61	2713.99	2463.24	2168.75	1945.68	1742.53	1556.54
360.0	3086.52	2772.11	2515.82	2278.35	1992.73	1775.74	1575.92	1083.05	1083.05
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1046.07	902.60	742.85	627.71	527.35	439.18	346.24	283.08	229.88
45.0	1191.76	1032.90	856.32	729.56	615.53	515.34	408.51	337.10	291.16
90.0	1031.79	884.61	723.14	609.89	509.92	401.54	329.58	269.57	208.52
135.0	1308.56	1108.73	960.38	825.32	673.65	565.71	471.61	372.53	307.21
180.0	1642.89	1466.87	1263.72	1106.52	918.87	782.15	660.92	528.07	438.40
225.0	1493.99	1089.14	1089.14	976.88	835.62	706.26	590.12	463.97	383.43
270.0	1672.23	1502.85	1299.15	1136.41	985.85	839.16	680.85	571.80	474.93
315.0	1073.86	1073.86	1036.77	891.80	731.89	618.08	517.17	410.50	339.76
360.0	1046.07	902.60	742.85	627.71	527.35	439.18	346.24	283.08	229.88
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	176.91	142.76	110.98	92.50	78.71	68.80	59.73	54.30	49.82
45.0	291.16	168.16	135.73	110.98	92.77	76.11	66.87	58.40	53.31
90.0	169.49	138.77	114.31	91.94	78.99	69.52	62.33	55.46	51.04
135.0	292.27	226.73	153.16	124.99	98.81	83.75	72.90	64.76	58.62
180.0	362.57	297.25	282.86	220.53	149.84	122.00	95.76	80.65	69.63
225.0	313.69	255.35	196.84	158.59	127.81	99.03	82.86	68.42	60.61
270.0	374.74	307.21	292.27	227.39	153.83	125.27	98.53	83.53	72.29
315.0	264.31	215.27	174.70	141.87	110.15	91.67	78.33	68.47	59.62
360.0	176.91	142.76	110.98	92.50	78.71	68.80	59.73	54.30	49.82

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	46.16	42.18	39.63	37.47	34.98	33.32	31.99	30.44	29.39
45.0	49.10	44.78	41.74	39.25	37.09	34.65	33.05	31.72	30.56
90.0	46.44	43.29	40.63	37.86	35.87	34.15	32.44	31.16	30.06
135.0	52.53	48.71	45.28	41.68	39.25	36.59	34.82	33.27	31.61
180.0	60.06	54.52	50.21	45.78	42.79	40.19	37.47	35.48	33.71
225.0	54.86	50.26	45.67	42.57	39.91	37.64	35.15	33.38	31.88
270.0	64.21	56.63	52.03	48.10	44.78	41.29	38.86	36.26	34.37
315.0	54.36	50.15	45.67	42.68	40.13	37.36	35.43	33.71	31.94
360.0	46.16	42.18	39.63	37.47	34.98	33.32	31.99	30.44	29.39
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	28.40	27.46	26.68	25.96	25.19	24.63	24.08	23.58	23.03
45.0	29.23	28.29	27.51	26.57	25.91	25.30	24.63	24.02	23.47
90.0	29.12	28.06	27.23	26.51	25.85	25.13	24.58	24.02	23.47
135.0	30.44	29.39	28.51	27.57	26.74	26.13	25.57	24.85	24.30
180.0	32.22	30.61	29.45	28.45	27.57	26.63	25.85	25.24	24.58
225.0	30.28	29.17	28.12	27.07	26.35	25.57	24.80	24.24	23.69
270.0	32.88	31.16	29.95	28.89	27.79	26.96	26.18	25.52	24.74
315.0	30.67	29.56	28.29	27.46	26.68	25.91	25.13	24.58	23.91
360.0	28.40	27.46	26.68	25.96	25.19	24.63	24.08	23.58	23.03
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	22.53	22.03	21.59	21.09	20.65	20.15	19.76	19.37	18.93
45.0	22.92	22.47	21.98	21.53	20.98	20.54	20.09	19.71	19.21
90.0	22.97	22.36	21.92	21.53	21.03	20.48	20.09	19.71	19.26
135.0	23.86	23.30	22.75	22.36	21.75	21.37	20.92	20.37	19.98
180.0	24.02	23.47	22.86	22.42	21.92	21.31	20.92	20.48	20.04
225.0	23.14	22.53	22.09	21.64	21.15	20.54	20.15	19.60	19.21
270.0	24.19	23.58	23.03	22.42	21.92	21.42	20.81	20.37	19.82
315.0	23.41	22.81	22.25	21.64	21.15	20.70	20.15	19.71	19.32
360.0	22.53	22.03	21.59	21.09	20.65	20.15	19.76	19.37	18.93
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	18.65	18.82	19.48	18.99	18.10	17.10	16.55	16.00	15.55
45.0	18.82	18.82	20.20	23.25	23.91	23.47	21.42	19.21	17.10
90.0	18.82	18.49	18.16	19.48	21.15	20.31	17.33	16.27	15.72
135.0	19.65	20.37	24.69	29.45	28.17	24.85	20.31	18.21	16.61
180.0	19.54	19.15	18.76	18.43	18.21	18.76	19.04	18.05	16.94
225.0	18.76	18.32	17.93	17.60	17.21	16.88	16.44	16.05	15.55
270.0	19.32	18.93	18.60	18.05	17.71	17.33	16.94	16.38	16.00
315.0	18.88	18.43	18.05	17.71	17.38	16.83	16.38	16.00	15.55
360.0	18.65	18.82	19.48	18.99	18.10	17.10	16.55	16.00	15.55
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	15.17	14.72	14.34	14.06	13.17	12.95	12.73	12.45	12.57
45.0	15.67	15.06	14.67	14.28	13.84	13.01	12.79	12.51	12.40
90.0	15.22	14.72	14.28	13.95	13.01	12.73	12.57	12.34	12.34
135.0	15.94	15.39	14.78	14.34	14.00	13.12	12.79	12.51	12.29
180.0	16.16	15.72	15.17	14.78	14.39	14.06	13.67	13.06	12.84
225.0	15.22	14.78	14.39	14.06	13.78	13.45	13.12	12.90	12.68
270.0	15.61	15.17	14.72	14.28	13.89	13.56	13.23	12.95	12.73
315.0	15.11	14.67	14.34	13.95	13.67	13.17	12.90	12.68	12.45
360.0	15.17	14.72	14.34	14.06	13.17	12.95	12.73	12.45	12.57

Intensity data(cd)

Appendix Page: 19 Total:19

C/γ(°)	90.0
0.0	12.51
45.0	12.40
90.0	12.34
135.0	12.34
180.0	12.68
225.0	12.45
270.0	12.51
315.0	12.23
360.0	12.51