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NT

LumCAT: 2-2687-L  
Luminaire: 92.70.412.00  
LampCAT: P2141-036-1206-P3090-1  
Ballast type: AC  
Report No: 2024227-B012  
Test No: 2024227-C012  
Number of Lamps: 1  
Lamp flux(lm): 3316.0  
Length(mm): 0  
Phm Type: C  
Voltage(V): 36.0800  
Current(A): 0.7010  
Power (W): 25.2920  
PF: 0.0000  
Width(mm): 0  
Height(mm): 0

### Photometric Results

Lumens(lm): 2761.51, Efficiency(%): 83.28% , Luminous Efficacy(lm/W): 109.19  
Central intensity(cd): 10520.940, Maximum intensity(cd): 10520.940  
Angle of maximum intensity: C=0.0  $\gamma$ =0.0  
Beam Angle(50%Imax): [C0/180]Total=22.6  
[C90/270]Total=22.6  
Field angle(10%Imax): [C0/180]Total=55.2  
[C90/270]Total=55.2  
Maximum s/h(1/2): C0\_180=0.38 C90\_270=0.38  
Maximum s/h(1/4): C0\_180=0.43 C90\_270=0.43  
Up flux rate of lamp(%): 0.00%  
Down flux rate of lamp(%): 83.28%  
Up flux rate of LUM(%): - -  
Down flux rate of LUM(%): 100.00%  
CIE Type : Direct lighting  
Output flux ratio in  $\pi$  solid angle : 97.846%

Equipment: GMS1980  
Temperature(°C): 25.0

Date: 2024/2/27  
Humidity(%): 60.0%

Operator: NT07  
Distance(m): 7.65

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	10520.941	0.000	0	0.00%	0.00%
1.0	10462.857	10.040	10.04	0.30%	0.36%
2.0	10224.963	29.693	39.733	0.90%	1.44%
3.0	9880.046	48.085	87.818	1.45%	3.18%
4.0	9434.910	64.653	152.471	1.95%	5.52%
5.0	8879.677	78.788	231.26	2.38%	8.37%
6.0	8307.035	90.321	321.581	2.72%	11.65%
7.0	7718.518	99.470	421.051	3.00%	15.25%
8.0	7106.665	106.101	527.152	3.20%	19.09%
9.0	6514.271	110.390	637.542	3.33%	23.09%
10.0	5944.847	112.750	750.293	3.40%	27.17%
11.0	5434.458	113.703	863.995	3.43%	31.29%
12.0	4900.660	112.978	976.973	3.41%	35.38%
13.0	4450.256	110.972	1087.945	3.35%	39.40%
14.0	4050.913	108.814	1196.759	3.28%	43.34%
15.0	3677.832	106.104	1302.863	3.20%	47.18%
16.0	3329.550	102.678	1405.54	3.10%	50.90%
17.0	3031.524	99.059	1504.599	2.99%	54.48%
18.0	2769.490	95.646	1600.246	2.88%	57.95%
19.0	2533.351	92.259	1692.504	2.78%	61.29%
20.0	2316.086	88.758	1781.262	2.68%	64.50%
21.0	2105.186	84.897	1866.16	2.56%	67.58%
22.0	1920.182	80.891	1947.051	2.44%	70.51%
23.0	1741.249	76.827	2023.878	2.32%	73.29%
24.0	1553.538	72.036	2095.914	2.17%	75.90%
25.0	1431.738	67.879	2163.792	2.05%	78.36%
26.0	1248.278	63.262	2227.054	1.91%	80.65%
27.0	1130.633	58.201	2285.255	1.76%	82.75%
28.0	1007.831	54.141	2339.396	1.63%	84.71%
29.0	855.072	48.739	2388.135	1.47%	86.48%
30.0	724.143	42.638	2430.774	1.29%	88.02%
31.0	600.836	36.872	2467.646	1.11%	89.36%
32.0	487.646	31.184	2498.83	0.94%	90.49%
33.0	384.639	25.698	2524.527	0.77%	91.42%
34.0	310.806	21.046	2545.574	0.63%	92.18%
35.0	259.233	17.703	2563.277	0.53%	92.82%
36.0	198.274	14.567	2577.844	0.44%	93.35%
37.0	172.868	12.105	2589.949	0.37%	93.79%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	137.477	10.359	2600.308	0.31%	94.16%
39.0	121.837	8.851	2609.159	0.27%	94.48%
40.0	109.488	8.068	2617.226	0.24%	94.78%
41.0	98.289	7.399	2624.625	0.22%	95.04%
42.0	89.049	6.806	2631.432	0.21%	95.29%
43.0	80.381	6.276	2637.708	0.19%	95.52%
44.0	72.714	5.778	2643.486	0.17%	95.73%
45.0	66.284	5.342	2648.828	0.16%	95.92%
46.0	60.417	4.955	2653.783	0.15%	96.10%
47.0	55.626	4.615	2658.398	0.14%	96.27%
48.0	51.310	4.323	2662.721	0.13%	96.42%
49.0	47.601	4.062	2666.783	0.12%	96.57%
50.0	44.375	3.835	2670.618	0.12%	96.71%
51.0	41.748	3.644	2674.261	0.11%	96.84%
52.0	39.430	3.483	2677.745	0.11%	96.97%
53.0	37.469	3.345	2681.09	0.10%	97.09%
54.0	35.735	3.227	2684.316	0.10%	97.20%
55.0	34.163	3.120	2687.437	0.09%	97.32%
56.0	32.875	3.029	2690.466	0.09%	97.43%
57.0	31.858	2.960	2693.426	0.09%	97.53%
58.0	30.973	2.906	2696.331	0.09%	97.64%
59.0	30.300	2.865	2699.196	0.09%	97.74%
60.0	29.737	2.836	2702.032	0.09%	97.85%
61.0	29.261	2.816	2704.847	0.08%	97.95%
62.0	28.676	2.792	2707.639	0.08%	98.05%
63.0	27.944	2.754	2710.393	0.08%	98.15%
64.0	26.913	2.692	2713.085	0.08%	98.25%
65.0	25.808	2.609	2715.694	0.08%	98.34%
66.0	24.558	2.513	2718.207	0.08%	98.43%
67.0	23.431	2.413	2720.62	0.07%	98.52%
68.0	22.421	2.323	2722.943	0.07%	98.60%
69.0	21.763	2.254	2725.197	0.07%	98.69%
70.0	21.302	2.212	2727.408	0.07%	98.77%
71.0	20.754	2.174	2729.582	0.07%	98.84%
72.0	20.263	2.133	2731.715	0.06%	98.92%
73.0	19.846	2.097	2733.812	0.06%	99.00%
74.0	19.232	2.054	2735.867	0.06%	99.07%
75.0	18.654	2.002	2737.869	0.06%	99.14%

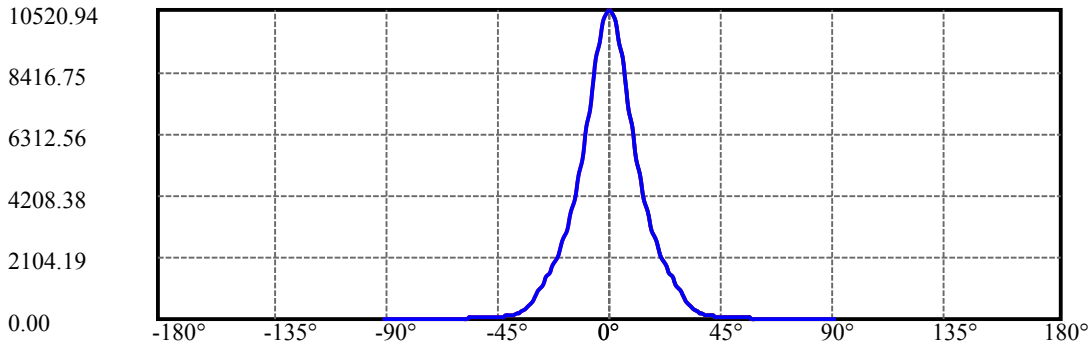
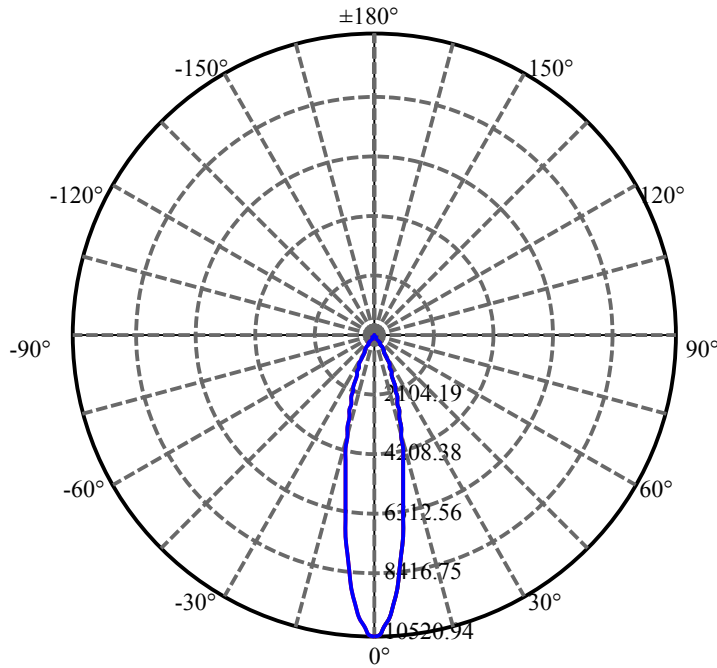
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	18.040	1.948	2739.816	0.06%	99.21%
77.0	17.425	1.891	2741.707	0.06%	99.28%
78.0	16.723	1.828	2743.535	0.06%	99.35%
79.0	15.999	1.758	2745.293	0.05%	99.41%
80.0	15.318	1.688	2746.982	0.05%	99.47%
81.0	14.770	1.627	2748.609	0.05%	99.53%
82.0	14.331	1.578	2750.187	0.05%	99.59%
83.0	13.936	1.537	2751.723	0.05%	99.65%
84.0	13.548	1.497	2753.221	0.05%	99.70%
85.0	13.168	1.458	2754.679	0.04%	99.75%
86.0	12.816	1.420	2756.099	0.04%	99.80%
87.0	12.495	1.385	2757.484	0.04%	99.85%
88.0	12.275	1.357	2758.841	0.04%	99.90%
89.0	12.143	1.338	2760.18	0.04%	99.95%
90.0	12.100	1.329	2761.509	0.04%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2430.77	73.30%	88.02%
0-40	2617.23	78.93%	94.78%
0-60	2702.03	81.48%	97.85%
0-90	2760.18	83.24%	99.95%
0-120	2760.18	83.24%	99.95%
0-180	2761.51	83.28%	100.00%
60-90	58.15	1.75%	2.11%
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%
0-25.72	2209.21	66.62%	80.00%

ZONAL LUMEN SUMMARY

0-10	750.29
10-20	1030.97
20-30	649.51
30-40	186.45
40-50	53.39
50-60	31.41
60-70	25.38
70-80	19.57
80-90	13.20
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



C0(Max): —————

C0/C180: —————

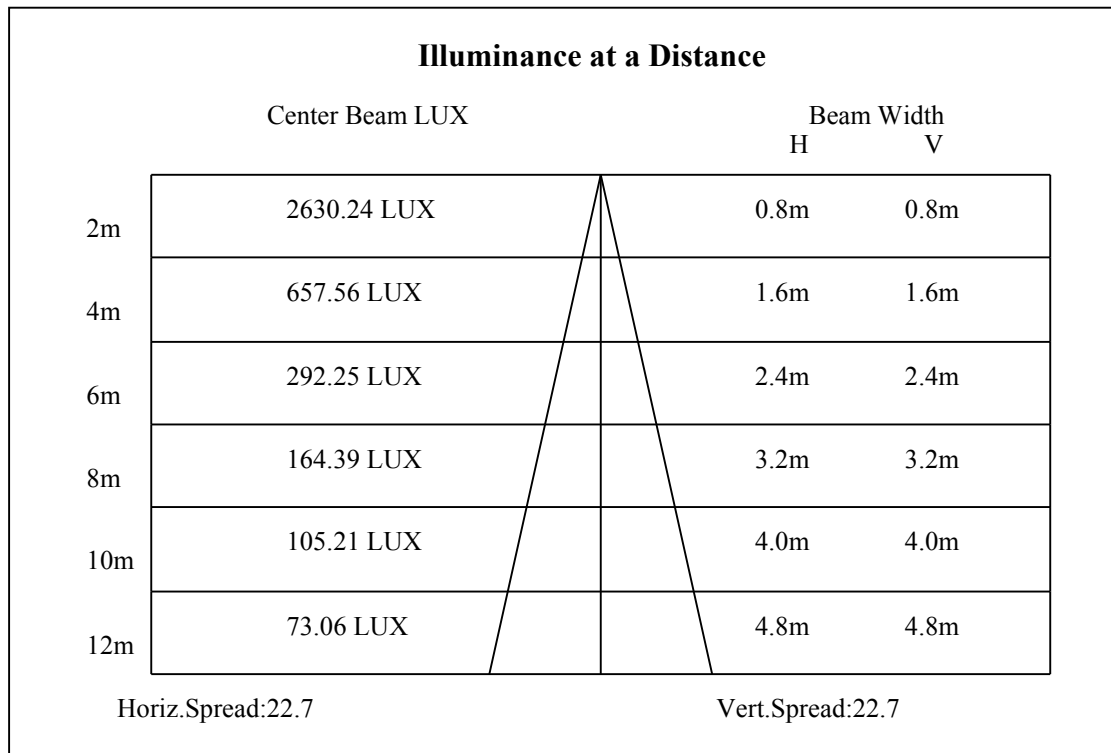
C90/C270: —————

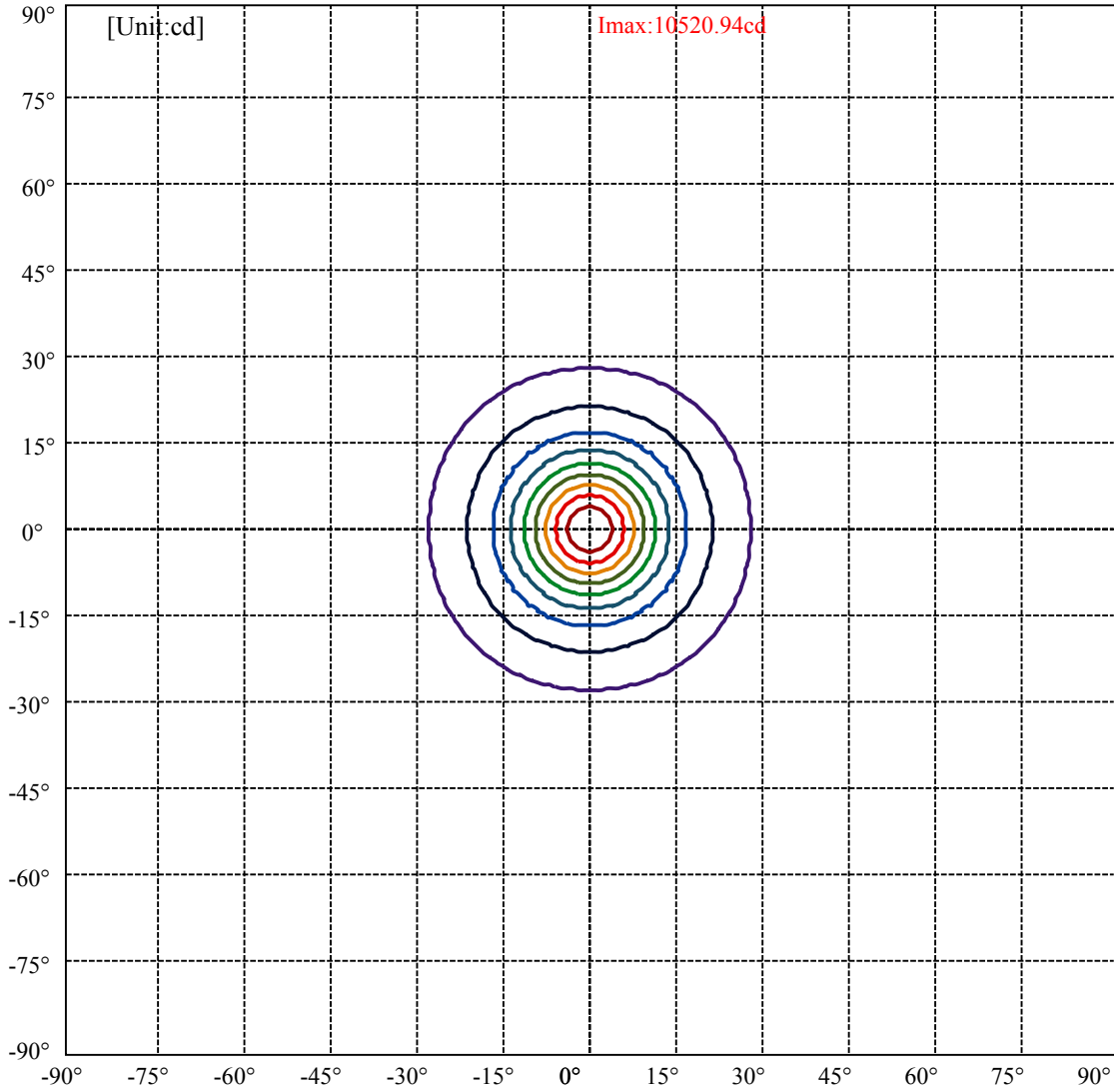
Field angle(10%Imax):C0/180Left:27.6 Right:27.6

:C90/270Left:27.6 Right:27.6

Beam Angle(50%Imax):C0/180Left:11.3 Right:11.3

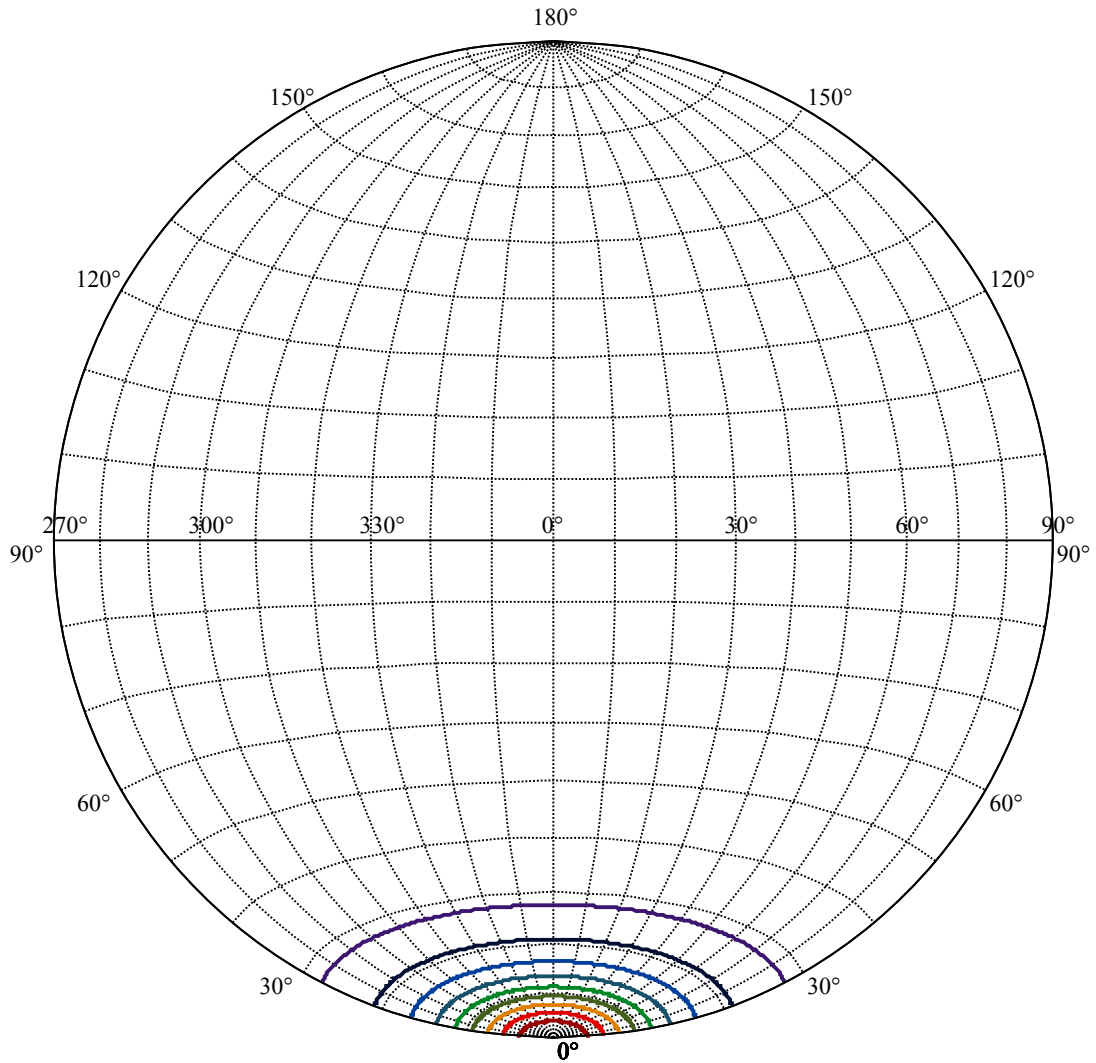
:C90/270Left:11.3 Right:11.3





(10%Imax) 1052.09	—
(20%Imax) 2104.19	—
(30%Imax) 3156.28	—
(40%Imax) 4208.38	—
(50%Imax) 5260.47	—
(60%Imax) 6312.56	—
(70%Imax) 7364.66	—
(80%Imax) 8416.75	—
(90%Imax) 9468.85	—





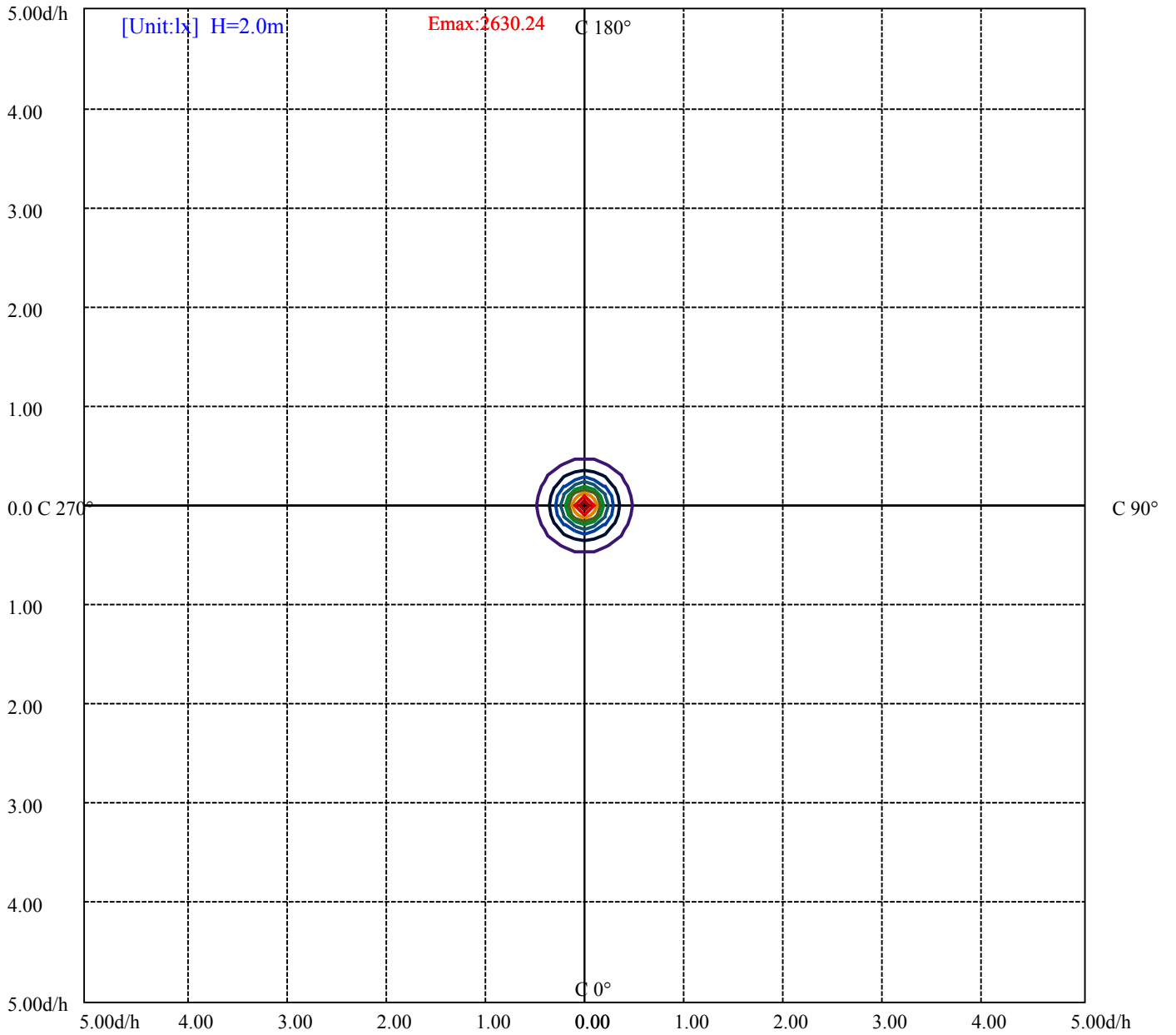
House

[Unit:cd]

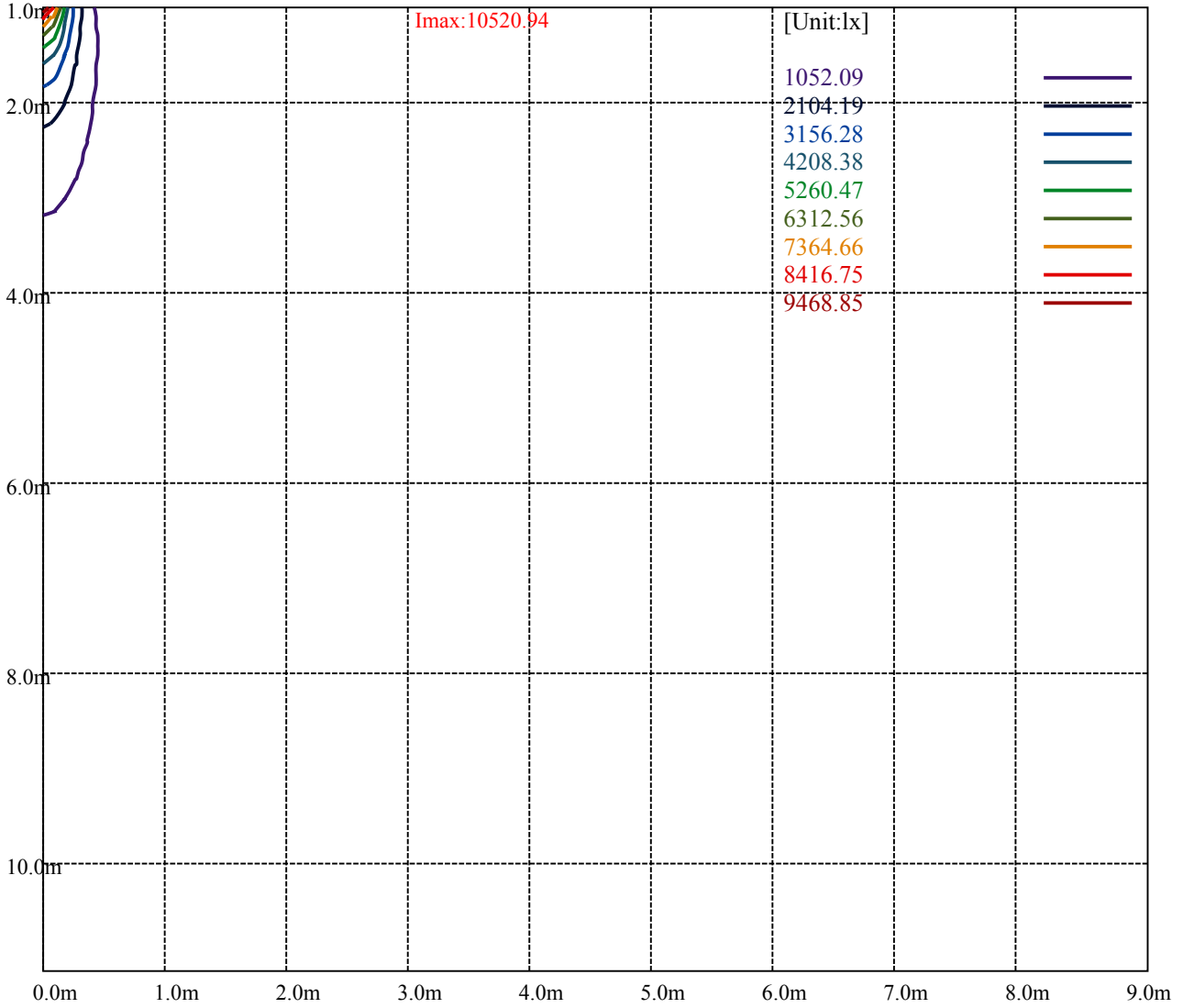
Road

I<sub>max</sub>:10520.94

(10%I <sub>max</sub> )	1052.09	—
(20%I <sub>max</sub> )	2104.19	—
(30%I <sub>max</sub> )	3156.28	—
(40%I <sub>max</sub> )	4208.38	—
(50%I <sub>max</sub> )	5260.47	—
(60%I <sub>max</sub> )	6312.56	—
(70%I <sub>max</sub> )	7364.66	—
(80%I <sub>max</sub> )	8416.75	—
(90%I <sub>max</sub> )	9468.85	—



(10%Emax) 263.0225	—
(20%Emax) 526.0475	—
(30%Emax) 789.07	—
(40%Emax) 1052.093	—
(50%Emax) 1315.118	—
(60%Emax) 1578.14	—
(70%Emax) 1841.162	—
(80%Emax) 2104.188	—
(90%Emax) 2367.21	—



Luminance Table

$\gamma$	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

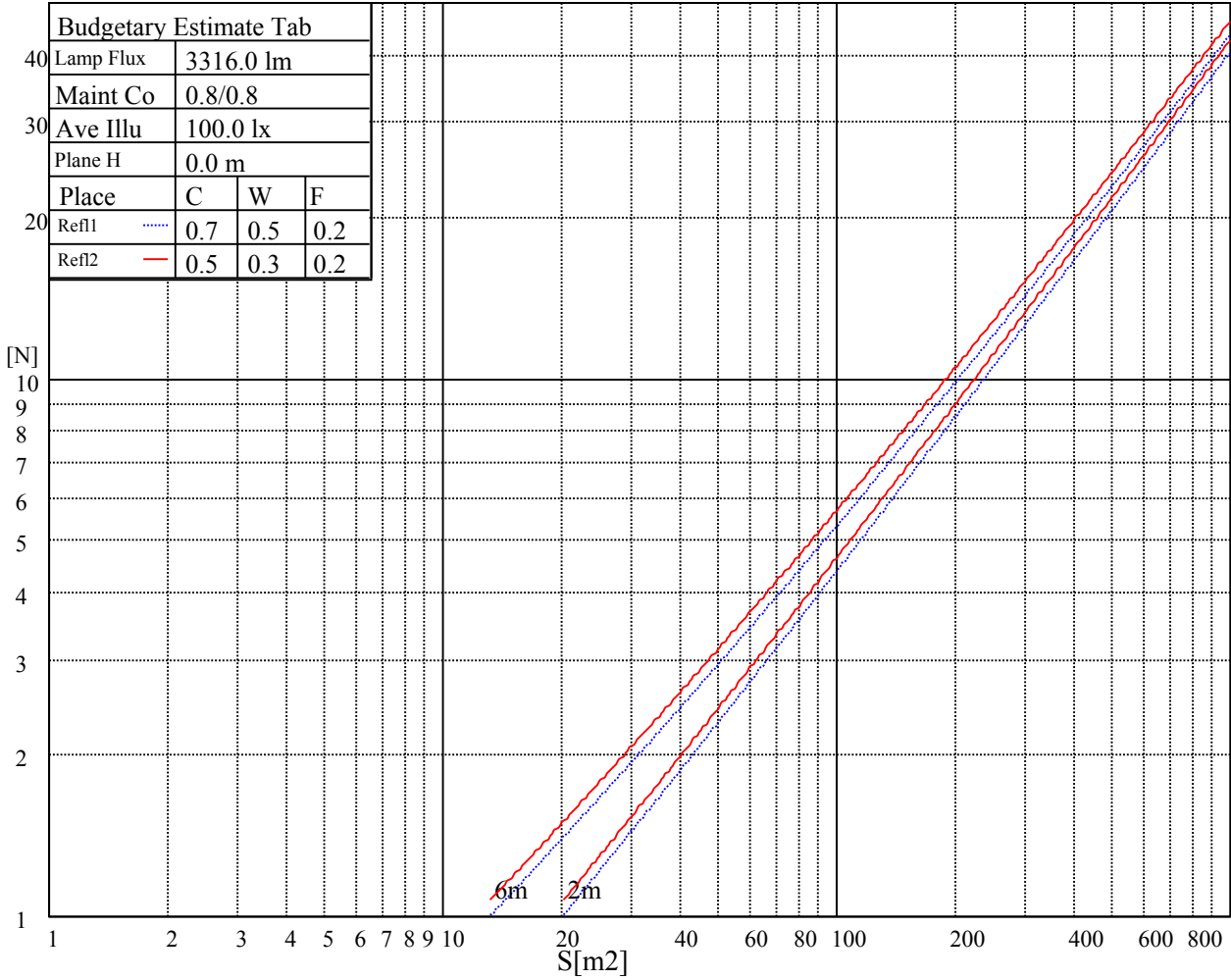
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

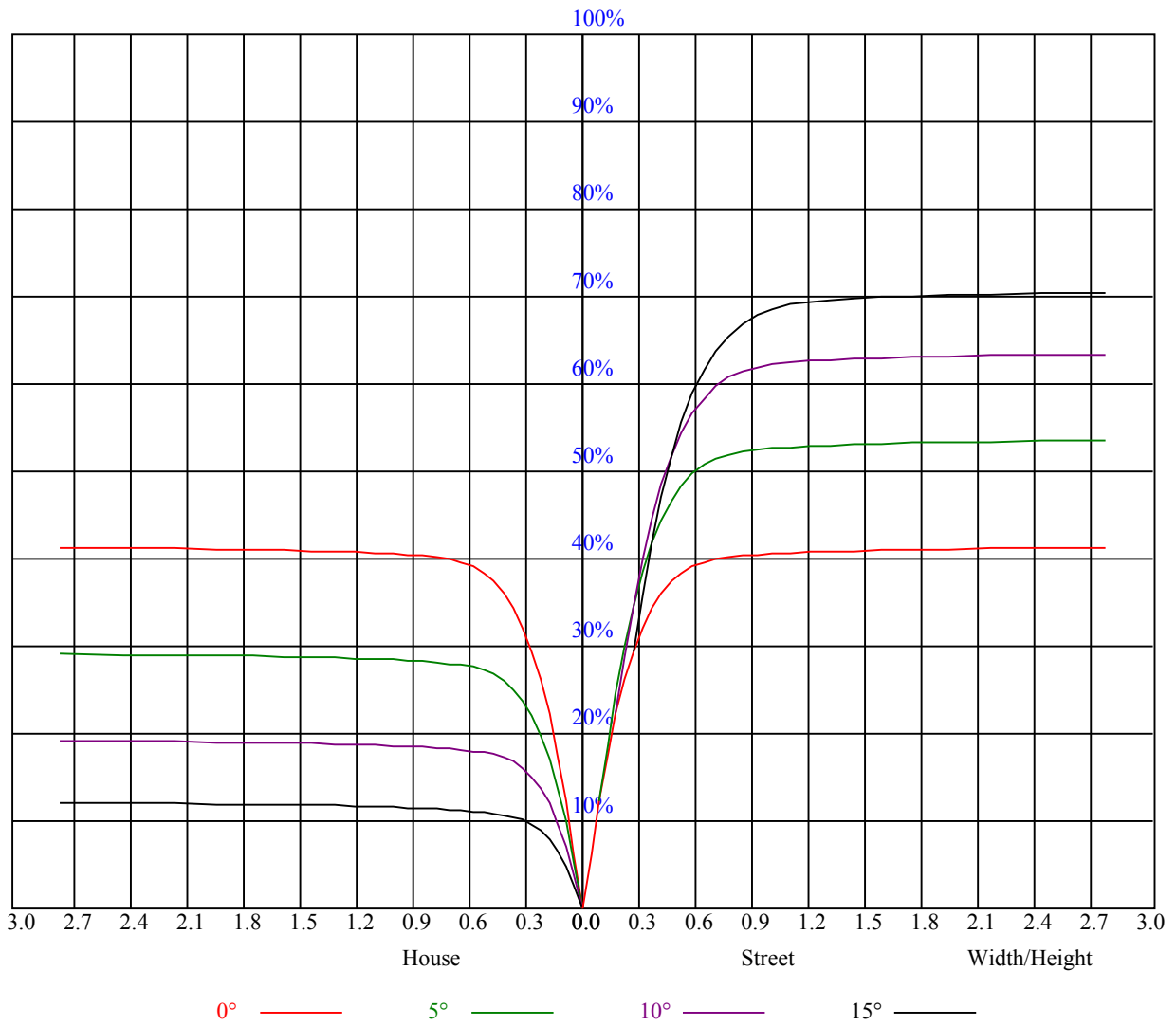


Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	
	3H	非数字	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				

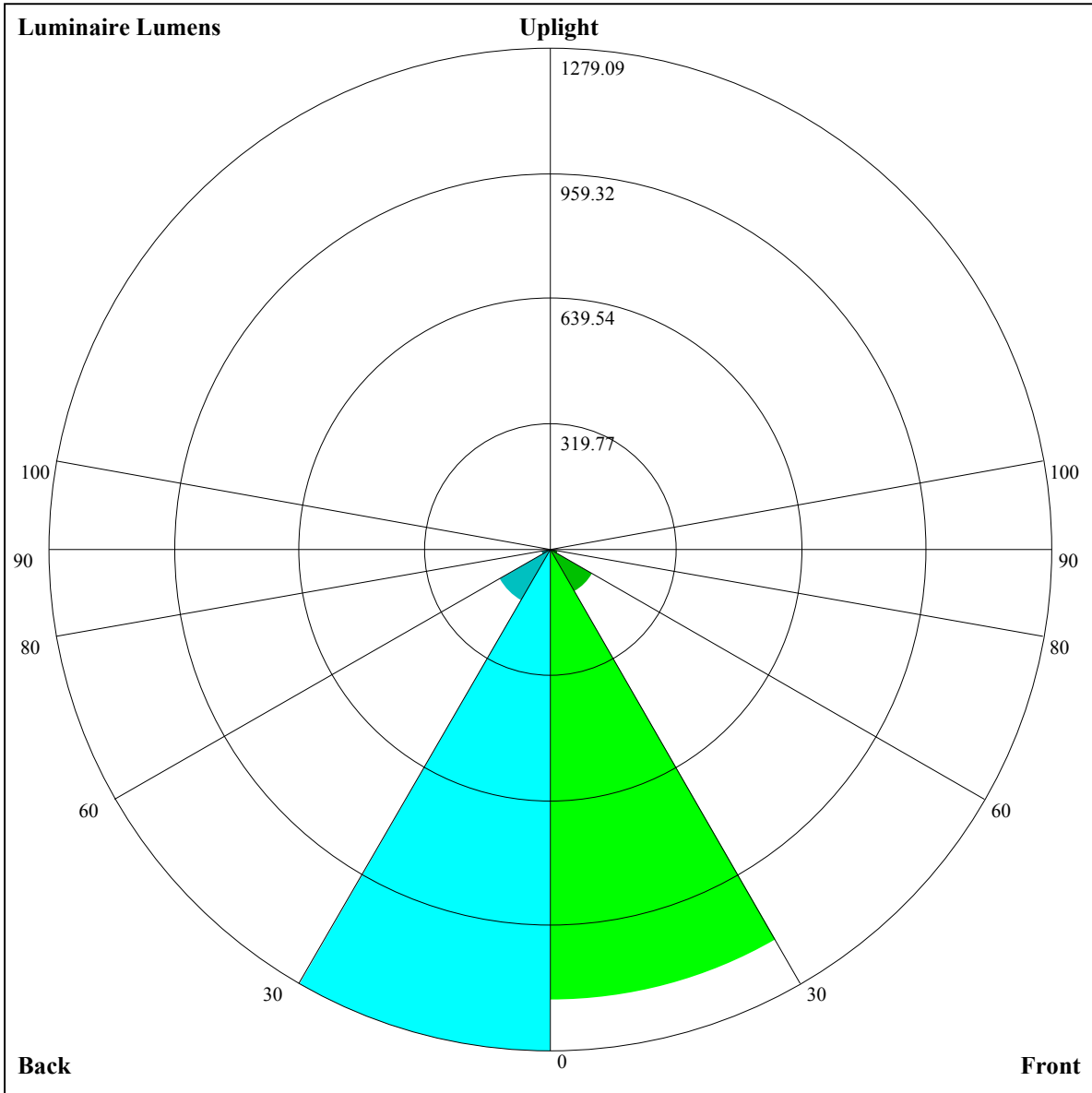
UGR calculation is based on CIE Publ. 117 ,S/H = 0.25



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 RHOF=20 CU															
0	0.99	0.99	0.99	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.83
1	0.93	0.91	0.89	0.91	0.90	0.88	0.88	0.87	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79
2	0.88	0.85	0.82	0.86	0.84	0.81	0.84	0.82	0.80	0.81	0.79	0.78	0.79	0.78	0.76	0.75
3	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.77	0.75	0.78	0.76	0.74	0.76	0.74	0.73	0.72
4	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.71	0.75	0.72	0.70	0.73	0.71	0.70	0.68
5	0.76	0.72	0.69	0.75	0.71	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.66
6	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.63
7	0.69	0.65	0.63	0.69	0.65	0.62	0.68	0.65	0.62	0.67	0.64	0.62	0.66	0.64	0.61	0.61
8	0.67	0.63	0.60	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.59	0.64	0.61	0.59	0.58
9	0.64	0.60	0.58	0.64	0.60	0.58	0.63	0.60	0.57	0.63	0.60	0.57	0.62	0.59	0.57	0.56
10	0.62	0.58	0.56	0.62	0.58	0.56	0.61	0.58	0.55	0.61	0.58	0.55	0.60	0.57	0.55	0.54







Luminaire Lumens:

FL=1151.37,FM=125.01,FH=22.43,FVH=7.2

BL=1279.09,BM=150.2,BH=22.68,BVH=7.36

UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	10277.19	9905.58	9435.64	8891.38	8173.90	7619.69	7068.99	6382.52	5864.01
45.0	10627.74	10431.11	10114.50	9571.41	9046.47	8477.63	7769.51	7214.13	6661.09
90.0	10500.17	10230.38	9761.61	9269.44	8719.91	8008.28	7451.14	6896.94	6213.39
135.0	10678.66	10635.35	10357.96	10053.64	9603.60	8935.27	8371.12	7811.06	7109.96
180.0	10277.19	10592.05	10675.73	10628.33	10424.67	10024.38	9588.97	9075.14	8364.09
225.0	10627.74	10662.86	10524.74	10261.98	9903.24	9304.55	8762.63	8186.19	7602.72
270.0	10500.17	10651.15	10651.74	10433.45	10147.27	9748.74	9236.08	8550.20	7976.09
315.0	10678.66	10594.39	10277.78	9930.74	9460.22	8918.89	8207.84	7631.98	7061.97
360.0	10277.19	9905.58	9435.64	8891.38	8173.90	7619.69	7068.99	6382.52	5864.01
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	5257.13	4804.17	4381.05	3995.97	3570.52	3271.47	2996.41	2754.13	2491.95
45.0	6005.05	5508.78	5045.87	4509.22	4115.95	3754.86	3429.48	3066.64	2816.75
90.0	5697.22	5096.20	4649.09	4240.60	3870.74	3536.57	3157.93	2894.58	2660.49
135.0	6564.53	6039.00	5539.80	4958.67	4523.85	4127.07	3759.54	3346.96	3063.71
180.0	7793.50	7228.76	6539.36	6009.73	5378.86	4918.29	4482.88	4079.66	3629.62
225.0	6892.25	6343.90	5813.10	5201.54	4751.50	4236.50	3863.13	3523.70	3217.04
270.0	7401.40	6705.57	6164.82	5512.88	5031.82	4581.79	4179.74	3719.75	3394.36
315.0	6503.08	5832.41	5342.58	4776.66	4358.81	3980.76	3553.54	3250.98	2978.27
360.0	5257.13	4804.17	4381.05	3995.97	3570.52	3271.47	2996.41	2754.13	2491.95
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	2304.09	2122.67	1944.76	1755.15	1626.40	1347.25	1163.84	1163.84	1019.99
45.0	2598.46	2398.90	2171.83	1990.99	1788.51	1649.81	1521.06	1339.05	1191.58
90.0	2455.08	2220.99	2044.25	1830.06	1686.68	1557.34	1135.04	1135.04	1100.11
135.0	2814.41	2539.94	2337.45	2107.45	1933.64	1772.71	1633.42	1467.80	1323.84
180.0	3318.87	3035.62	2784.56	2497.21	2287.70	2099.26	1923.11	1729.98	1598.31
225.0	2876.44	2635.33	2424.06	2232.11	2005.62	1834.74	1688.43	1527.50	1137.50
270.0	3106.43	2846.01	2550.47	2335.11	2156.03	1941.84	1766.85	1624.64	1470.73
315.0	2682.14	2467.37	2271.32	2093.41	1876.88	1727.06	1596.55	1466.05	1144.17
360.0	2304.09	2122.67	1944.76	1755.15	1626.40	1347.25	1163.84	1163.84	1019.99
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	852.15	728.20	611.62	478.25	380.86	293.14	222.03	170.48	150.70
45.0	1048.20	911.25	753.83	635.61	526.76	428.44	319.01	299.69	299.69
90.0	928.40	803.22	682.66	569.83	439.80	346.39	265.34	201.96	158.89
135.0	1178.12	1038.83	872.04	749.15	632.69	523.25	399.77	313.15	313.15
180.0	1433.27	1288.14	1147.68	972.70	841.61	714.62	572.99	469.41	374.60
225.0	1137.50	1101.74	932.15	804.27	652.06	541.63	441.49	351.08	256.15
270.0	1323.25	1187.48	1002.55	872.63	742.12	594.06	490.48	396.26	314.32
315.0	1144.17	1003.78	838.04	710.70	590.78	459.64	366.00	284.42	206.35
360.0	852.15	728.20	611.62	478.25	380.86	293.14	222.03	170.48	150.70
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	134.95	118.74	107.27	96.97	85.85	78.01	71.05	63.56	58.29
45.0	158.71	137.00	122.55	107.62	97.32	88.19	78.30	71.34	65.25
90.0	141.21	126.53	113.88	100.37	91.00	81.17	74.32	68.12	61.27
135.0	174.57	153.45	137.00	119.68	107.86	95.04	86.32	78.83	72.04
180.0	310.81	310.81	172.52	153.50	137.64	121.02	109.55	99.14	87.78
225.0	201.20	170.83	153.04	134.48	121.90	110.55	100.25	88.95	81.23
270.0	295.01	215.42	158.54	143.09	126.41	114.82	104.11	94.46	84.16
315.0	169.72	150.17	135.01	118.98	107.92	97.50	88.49	78.65	71.69
360.0	134.95	118.74	107.27	96.97	85.85	78.01	71.05	63.56	58.29

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	53.72	48.69	45.30	42.49	39.97	37.45	35.64	34.18	32.83
45.0	59.99	54.37	50.39	46.88	43.77	40.61	38.62	36.81	35.11
90.0	56.71	52.61	49.04	45.12	42.49	40.20	38.27	36.17	34.76
135.0	64.61	59.52	55.07	51.09	46.70	43.66	41.20	39.09	36.93
180.0	79.94	73.04	65.37	60.16	55.60	50.68	47.23	44.18	41.61
225.0	72.74	66.83	61.57	56.01	52.09	48.63	45.00	42.43	40.20
270.0	76.90	69.12	63.56	58.82	53.55	49.98	46.82	44.01	41.55
315.0	65.66	59.17	54.72	49.92	46.64	43.77	41.20	38.57	36.75
360.0	53.72	48.69	45.30	42.49	39.97	37.45	35.64	34.18	32.83
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	31.43	30.55	29.61	29.20	28.91	28.62	28.21	27.74	26.69
45.0	33.83	32.71	31.54	30.78	30.08	29.73	29.55	29.14	28.56
90.0	33.53	32.25	31.37	30.67	30.02	29.79	29.32	28.85	28.27
135.0	35.46	33.83	32.66	31.78	30.78	30.14	29.73	29.44	28.85
180.0	39.33	36.93	35.29	33.83	32.36	31.31	30.26	29.55	29.09
225.0	38.27	36.23	34.76	33.53	32.48	31.31	30.61	30.02	29.61
270.0	38.92	37.10	35.52	33.77	32.60	31.66	30.67	30.14	29.73
315.0	35.11	33.71	32.25	31.31	30.55	29.85	29.55	29.20	28.62
360.0	31.43	30.55	29.61	29.20	28.91	28.62	28.21	27.74	26.69
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	25.28	23.99	22.71	21.77	20.95	20.01	19.84	20.07	20.01
45.0	27.80	26.45	25.40	23.94	22.94	22.30	22.18	22.30	22.65
90.0	27.15	25.52	24.46	23.23	22.36	22.06	22.41	22.88	21.83
135.0	28.32	27.51	26.10	24.70	23.53	22.30	21.19	20.37	19.55
180.0	28.68	28.15	27.62	26.69	25.11	23.94	22.71	21.71	20.60
225.0	28.97	28.15	26.98	25.69	24.58	23.06	22.12	21.19	20.42
270.0	29.26	28.56	27.80	26.16	24.99	23.88	22.71	21.71	21.36
315.0	28.09	26.98	25.40	24.29	23.00	21.83	20.95	20.19	19.61
360.0	25.28	23.99	22.71	21.77	20.95	20.01	19.84	20.07	20.01
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	19.90	19.78	19.31	18.61	17.50	16.91	16.09	14.81	14.22
45.0	23.00	22.53	21.89	21.65	21.13	20.01	18.49	17.44	15.80
90.0	20.66	20.42	19.66	18.73	18.20	17.50	16.68	15.86	14.81
135.0	18.96	18.49	18.08	17.56	17.15	16.74	16.27	15.74	15.33
180.0	19.84	19.20	18.55	18.08	17.62	17.09	16.62	16.21	15.68
225.0	19.66	19.20	18.67	18.14	17.67	17.21	16.56	16.09	15.68
270.0	21.19	20.66	19.66	18.84	18.02	17.38	16.91	16.27	15.86
315.0	18.90	18.49	18.02	17.62	17.03	16.56	16.15	15.57	15.16
360.0	19.90	19.78	19.31	18.61	17.50	16.91	16.09	14.81	14.22
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	13.87	13.52	13.23	12.87	12.52	12.29	11.94	12.23	12.11
45.0	14.69	14.10	13.69	13.28	12.93	12.47	12.23	11.94	12.11
90.0	14.22	13.81	13.46	13.17	12.76	12.47	12.29	12.00	12.11
135.0	14.92	14.40	13.99	13.52	13.17	12.76	12.47	12.23	12.00
180.0	15.27	14.81	14.40	14.05	13.64	13.34	13.11	12.70	12.41
225.0	15.16	14.75	14.34	13.87	13.52	13.11	12.70	12.41	12.23
270.0	15.33	14.86	14.40	13.99	13.58	13.28	12.82	12.47	12.23
315.0	14.69	14.40	13.99	13.64	13.23	12.82	12.41	12.23	11.94
360.0	13.87	13.52	13.23	12.87	12.52	12.29	11.94	12.23	12.11

Intensity data(cd)

C/γ(°)	90.0
0.0	12.11
45.0	12.00
90.0	12.06
135.0	12.06
180.0	12.23
225.0	12.17
270.0	12.06
315.0	12.11
360.0	12.11