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## SOTEN

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LumCAT: T1159

Luminaire: GM5011 A15

Report No:

Voltage(V): 220.5000

Test No:

Current(A): 0.0990

LampCAT: Lumileds-1204HD-3090

Power (W): 21.0900

Lamp flux(lm): 1872.0

PF: 0.9600

Number of Lamps: 1

Ballast type: LC 21/500/42 FIXC SC ADV2 500MA

Length(mm): -65

Width(mm): -65

Phm Type: C

Height(mm): 57

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## Photometric Results

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Lumens(lm): 1452.51

Efficiency(%): 77.59%

Lumens(lm)/Power(W): 68.87

Central intensity(cd): 7025.048

Maximum intensity(cd): 7025.048

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=21.5

[C90/270]Total=21.5

Field angle(10%Imax): [C0/180]Total=48.3

[C90/270]Total=48.3

Maximum s/h(1/2): C0\_180=0.38 C90\_270=0.38

Maximum s/h(1/4): C0\_180=0.55 C90\_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 77.59%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 99.571%



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Equipment: GMS-1800  
Temperature(°C): 25.0

Date: 2022/3/3  
Humidity(%): 60.0%

Operator: New  
Distance(m): 6.81

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	7025.048	.000	.000	.000%	.000%
1.0	6979.573	6.701	6.701	.358%	.358%
2.0	6845.884	19.844	26.545	1.060%	1.418%
3.0	6637.950	32.249	58.793	1.723%	3.141%
4.0	6346.863	43.464	102.258	2.322%	5.462%
5.0	5968.258	52.979	155.237	2.830%	8.293%
6.0	5582.647	60.703	215.940	3.243%	11.535%
7.0	5180.051	66.804	282.744	3.569%	15.104%
8.0	4733.141	70.947	353.691	3.790%	18.894%
9.0	4263.353	72.912	426.602	3.895%	22.789%
10.0	3818.345	73.136	499.739	3.907%	26.695%
11.0	3413.429	72.260	571.999	3.860%	30.556%
12.0	3049.349	70.647	642.646	3.774%	34.329%
13.0	2708.516	68.331	710.978	3.650%	37.980%
14.0	2406.663	65.474	776.452	3.498%	41.477%
15.0	2167.546	62.797	839.248	3.355%	44.832%
16.0	1916.969	59.850	899.098	3.197%	48.029%
17.0	1720.682	56.648	955.746	3.026%	51.055%
18.0	1527.180	53.550	1009.296	2.861%	53.915%
19.0	1362.170	50.269	1059.565	2.685%	56.601%
20.0	1184.213	46.606	1106.171	2.490%	59.090%
21.0	1029.736	42.512	1148.683	2.271%	61.361%
22.0	937.719	39.537	1188.220	2.112%	63.473%
23.0	826.583	37.020	1225.240	1.978%	65.451%
24.0	716.746	33.743	1258.982	1.802%	67.253%
25.0	623.800	30.481	1289.463	1.628%	68.882%
26.0	528.441	27.199	1316.662	1.453%	70.335%
27.0	434.567	23.560	1340.222	1.259%	71.593%
28.0	350.113	19.866	1360.089	1.061%	72.654%
29.0	276.378	16.391	1376.479	.876%	73.530%
30.0	226.588	13.580	1390.059	.725%	74.255%
31.0	190.486	11.607	1401.666	.620%	74.875%
32.0	125.892	9.064	1410.730	.484%	75.360%
33.0	84.454	6.197	1416.927	.331%	75.691%
34.0	60.232	4.379	1421.305	.234%	75.924%
35.0	43.248	3.214	1424.519	.172%	76.096%
36.0	33.364	2.439	1426.958	.130%	76.226%
37.0	27.007	1.969	1428.927	.105%	76.332%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	23.155	1.674	1430.602	.089%	76.421%
39.0	20.510	1.490	1432.092	.080%	76.501%
40.0	18.283	1.353	1433.445	.072%	76.573%
41.0	16.473	1.238	1434.683	.066%	76.639%
42.0	14.849	1.138	1435.821	.061%	76.700%
43.0	13.457	1.049	1436.870	.056%	76.756%
44.0	12.018	.962	1437.831	.051%	76.807%
45.0	10.766	.876	1438.707	.047%	76.854%
46.0	9.745	.802	1439.509	.043%	76.897%
47.0	8.724	.735	1440.243	.039%	76.936%
48.0	7.842	.670	1440.913	.036%	76.972%
49.0	7.053	.612	1441.525	.033%	77.005%
50.0	6.450	.563	1442.088	.030%	77.035%
51.0	5.893	.522	1442.610	.028%	77.062%
52.0	5.383	.484	1443.094	.026%	77.088%
53.0	5.012	.452	1443.546	.024%	77.113%
54.0	4.733	.430	1443.975	.023%	77.135%
55.0	4.455	.410	1444.386	.022%	77.157%
56.0	4.269	.394	1444.780	.021%	77.178%
57.0	4.130	.384	1445.164	.021%	77.199%
58.0	4.037	.378	1445.542	.020%	77.219%
59.0	3.944	.373	1445.915	.020%	77.239%
60.0	3.851	.368	1446.283	.020%	77.259%
61.0	3.805	.365	1446.648	.020%	77.278%
62.0	3.712	.362	1447.010	.019%	77.298%
63.0	3.619	.357	1447.367	.019%	77.317%
64.0	3.527	.351	1447.718	.019%	77.335%
65.0	3.387	.342	1448.060	.018%	77.354%
66.0	3.248	.331	1448.391	.018%	77.371%
67.0	3.063	.317	1448.708	.017%	77.388%
68.0	2.923	.303	1449.012	.016%	77.404%
69.0	2.691	.286	1449.298	.015%	77.420%
70.0	2.506	.267	1449.565	.014%	77.434%
71.0	2.320	.249	1449.814	.013%	77.447%
72.0	2.135	.232	1450.046	.012%	77.460%
73.0	1.810	.206	1450.252	.011%	77.471%
74.0	1.531	.176	1450.428	.009%	77.480%
75.0	1.253	.147	1450.575	.008%	77.488%

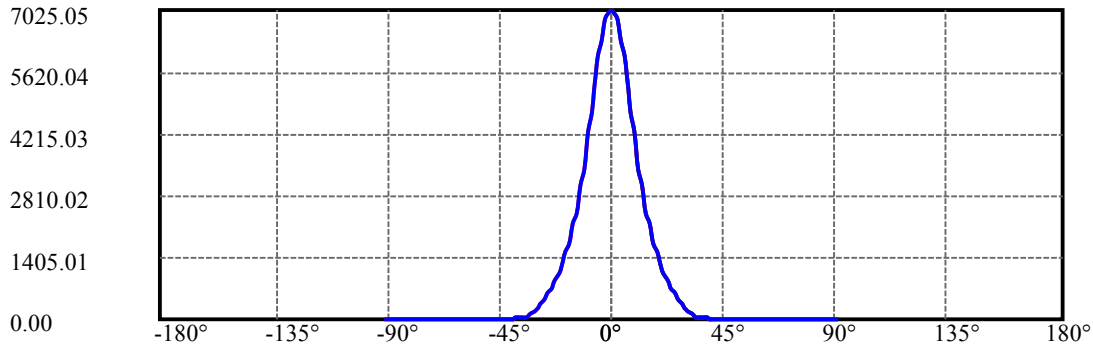
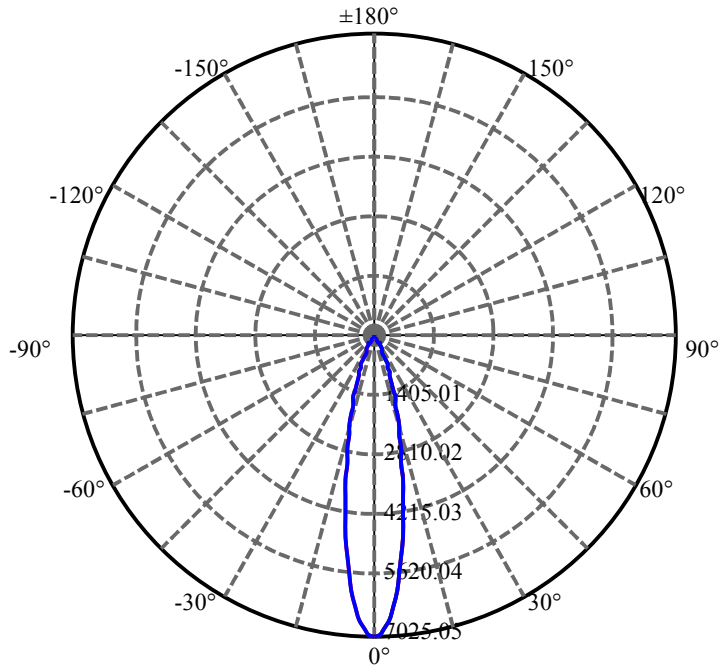
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	1.160	.128	1450.703	.007%	77.495%
77.0	1.206	.126	1450.829	.007%	77.502%
78.0	1.206	.129	1450.959	.007%	77.508%
79.0	1.160	.127	1451.086	.007%	77.515%
80.0	1.160	.125	1451.211	.007%	77.522%
81.0	1.160	.125	1451.336	.007%	77.529%
82.0	1.206	.128	1451.465	.007%	77.536%
83.0	1.206	.131	1451.596	.007%	77.543%
84.0	1.160	.129	1451.725	.007%	77.549%
85.0	1.206	.129	1451.854	.007%	77.556%
86.0	1.206	.132	1451.986	.007%	77.563%
87.0	1.206	.132	1452.118	.007%	77.570%
88.0	1.206	.132	1452.250	.007%	77.577%
89.0	1.206	.132	1452.382	.007%	77.585%
90.0	1.206	.132	1452.515	.007%	77.592%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1390.06	74.26%	95.70%
0-40	1433.45	76.57%	98.69%
0-60	1446.28	77.26%	99.57%
0-90	1452.38	77.58%	99.99%
0-120	1452.38	77.58%	99.99%
0-180	1452.52	77.59%	100.00%
60-90	6.47	0.35%	0.45%
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%
0-21.34	1162.01	62.07%	80.00%

## ZONAL LUMEN SUMMARY

0-10	499.74
10-20	606.43
20-30	283.89
30-40	43.39
40-50	8.64
50-60	4.20
60-70	3.28
70-80	1.65
80-90	1.17
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: —————

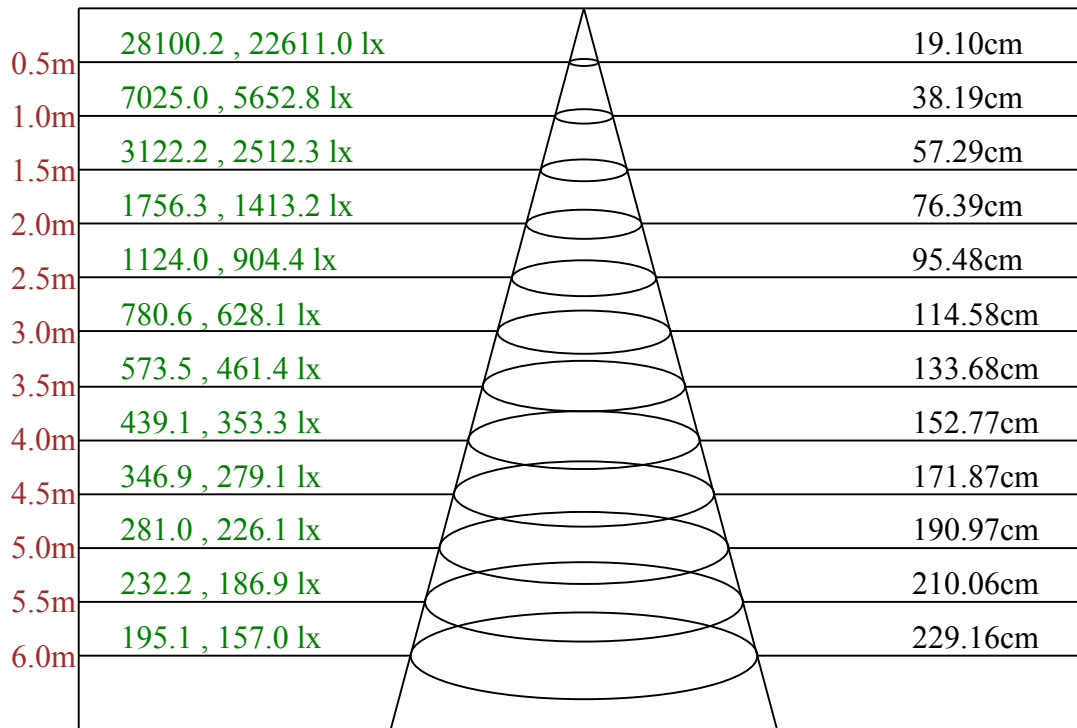
C90/C270: —————

Field angle(10%Imax):C0/180Left:24.2 Right:24.2

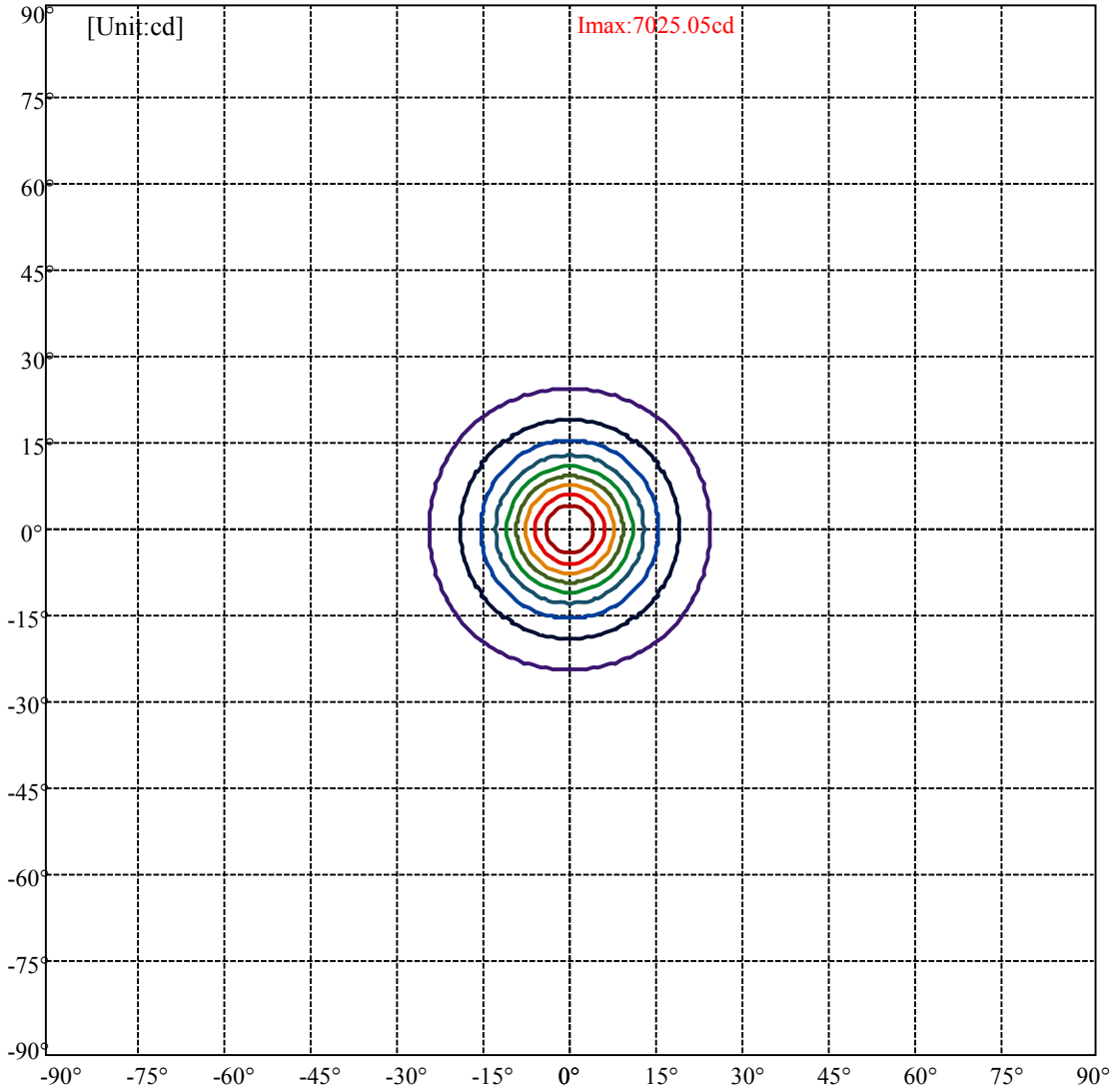
:C90/270Left:24.2 Right:24.2

Beam Angle(50%Imax):C0/180Left:10.8 Right:10.8

:C90/270Left:10.8 Right:10.8

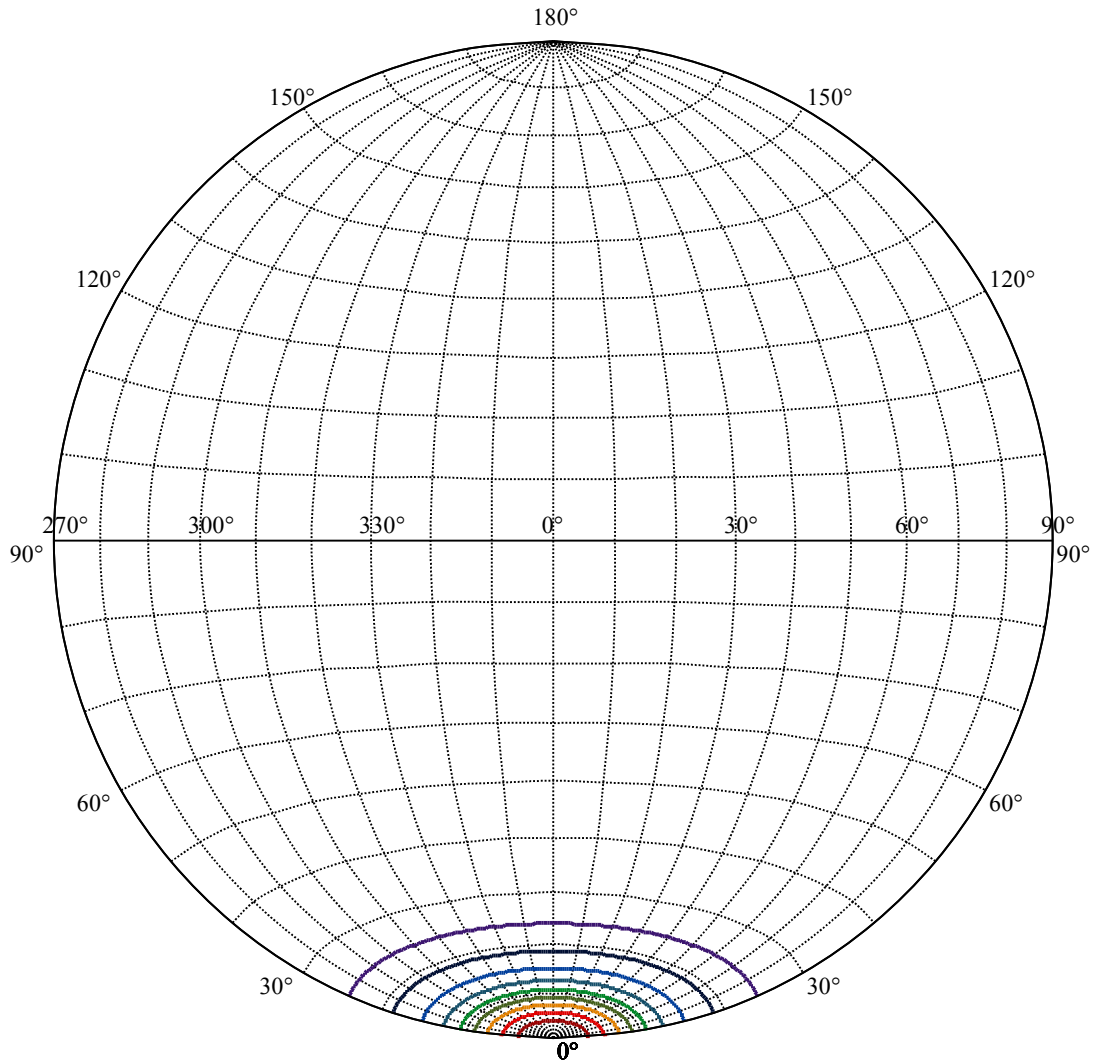


Max , Ave      Beam angle of C0plane21.62



(10%Imax) 702.505	—
(20%Imax) 1405.01	—
(30%Imax) 2107.51	—
(40%Imax) 2810.02	—
(50%Imax) 3512.52	—
(60%Imax) 4215.03	—
(70%Imax) 4917.53	—
(80%Imax) 5620.04	—
(90%Imax) 6322.54	—





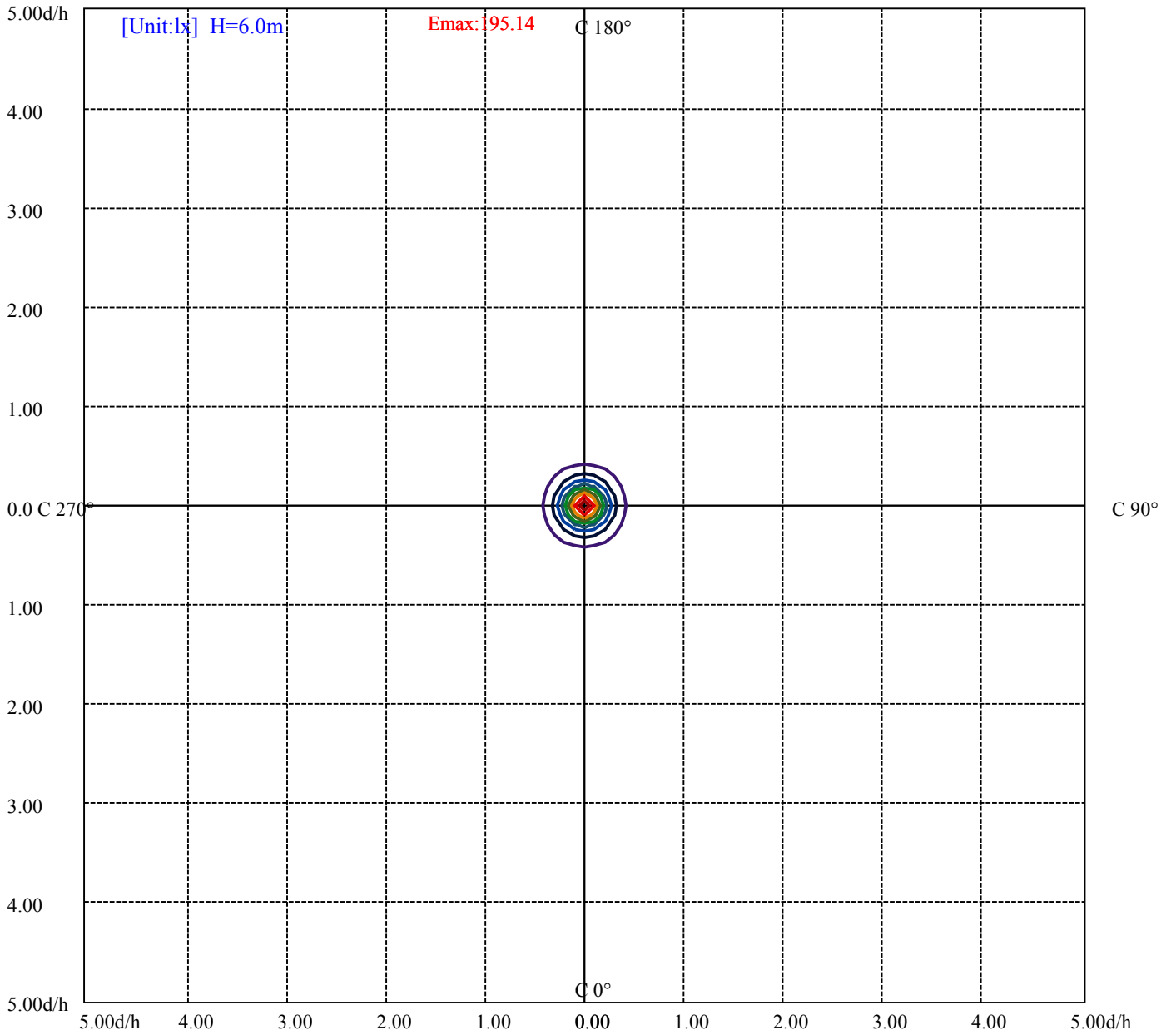
House

[Unit:cd]

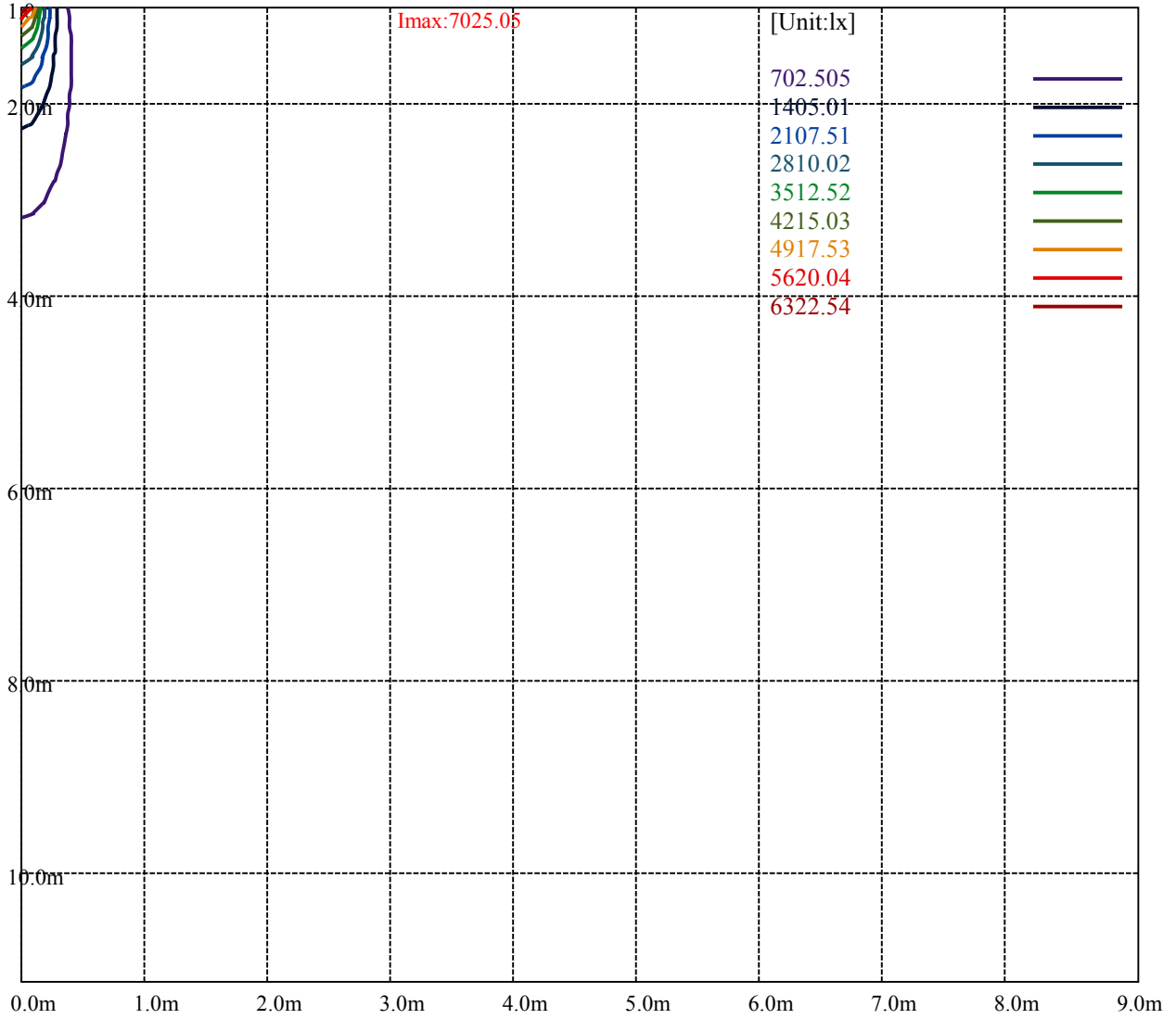
Road

Imax:7025.05

(10%Imax) 702.505	—
(20%Imax) 1405.01	—
(30%Imax) 2107.51	—
(40%Imax) 2810.02	—
(50%Imax) 3512.52	—
(60%Imax) 4215.03	—
(70%Imax) 4917.53	—
(80%Imax) 5620.04	—
(90%Imax) 6322.54	—



(10%Emax) 19.514	—
(20%Emax) 39.02806	—
(30%Emax) 58.54195	—
(40%Emax) 78.05611	—
(50%Emax) 97.57	—
(60%Emax) 117.0839	—
(70%Emax) 136.5981	—
(80%Emax) 156.1119	—
(90%Emax) 175.6261	—



Luminance Table

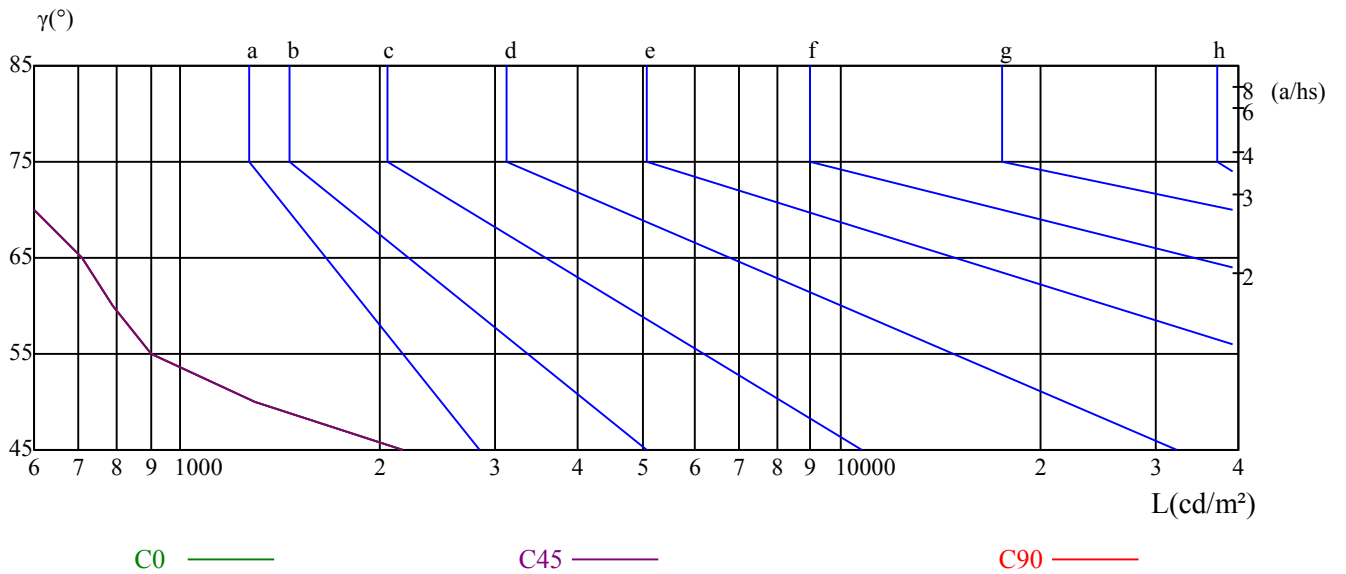
$\gamma$	45	50	55	60	65	70	75	80	85
C0	2168	1297	902	791	712	543	282	275	303
C45	2168	1297	902	791	712	543	282	275	303
C90	2168	1297	902	791	712	543	282	275	303

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2416	2416	2416	1459	1459	1459	4172	4172	4172

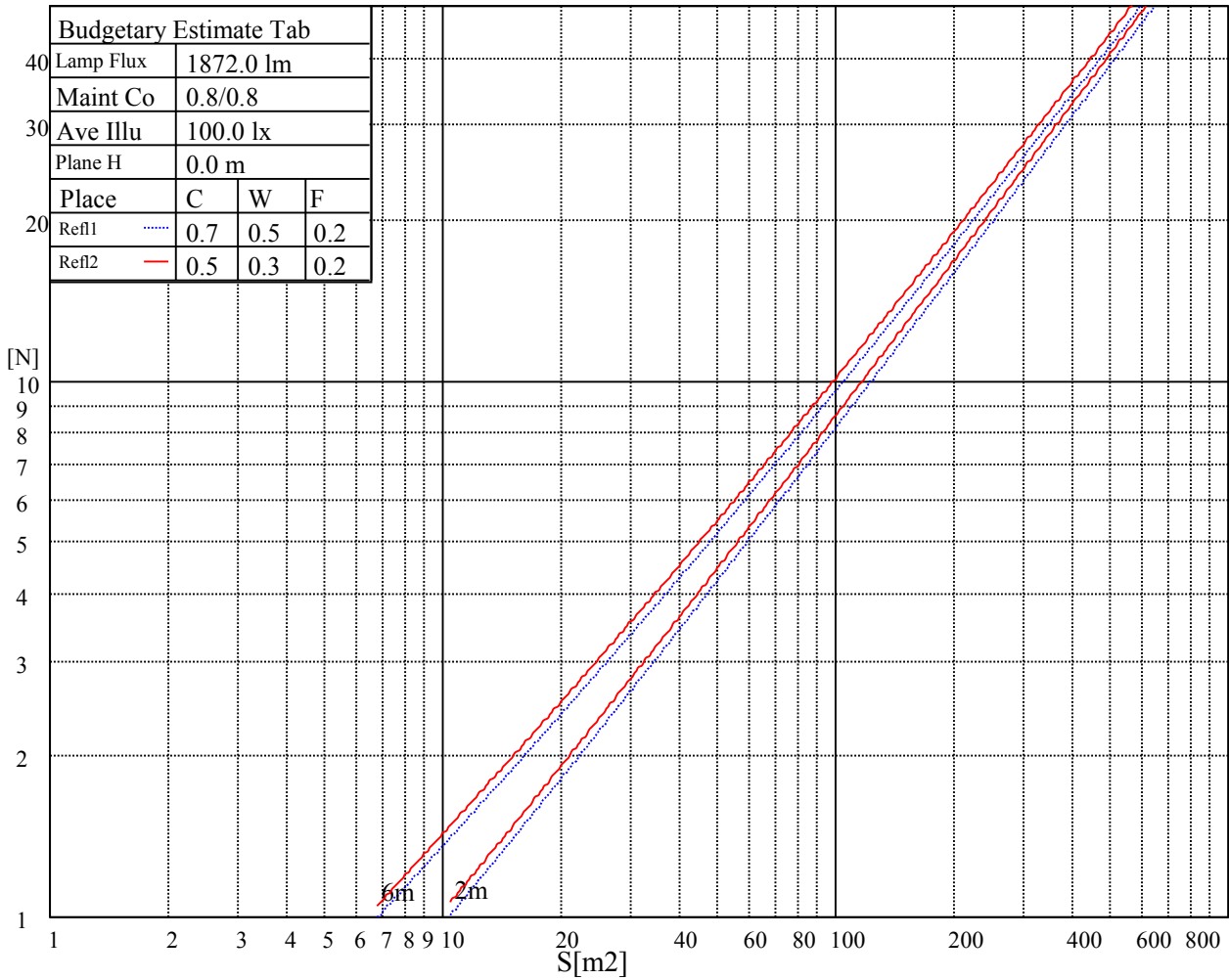
Glare Table

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

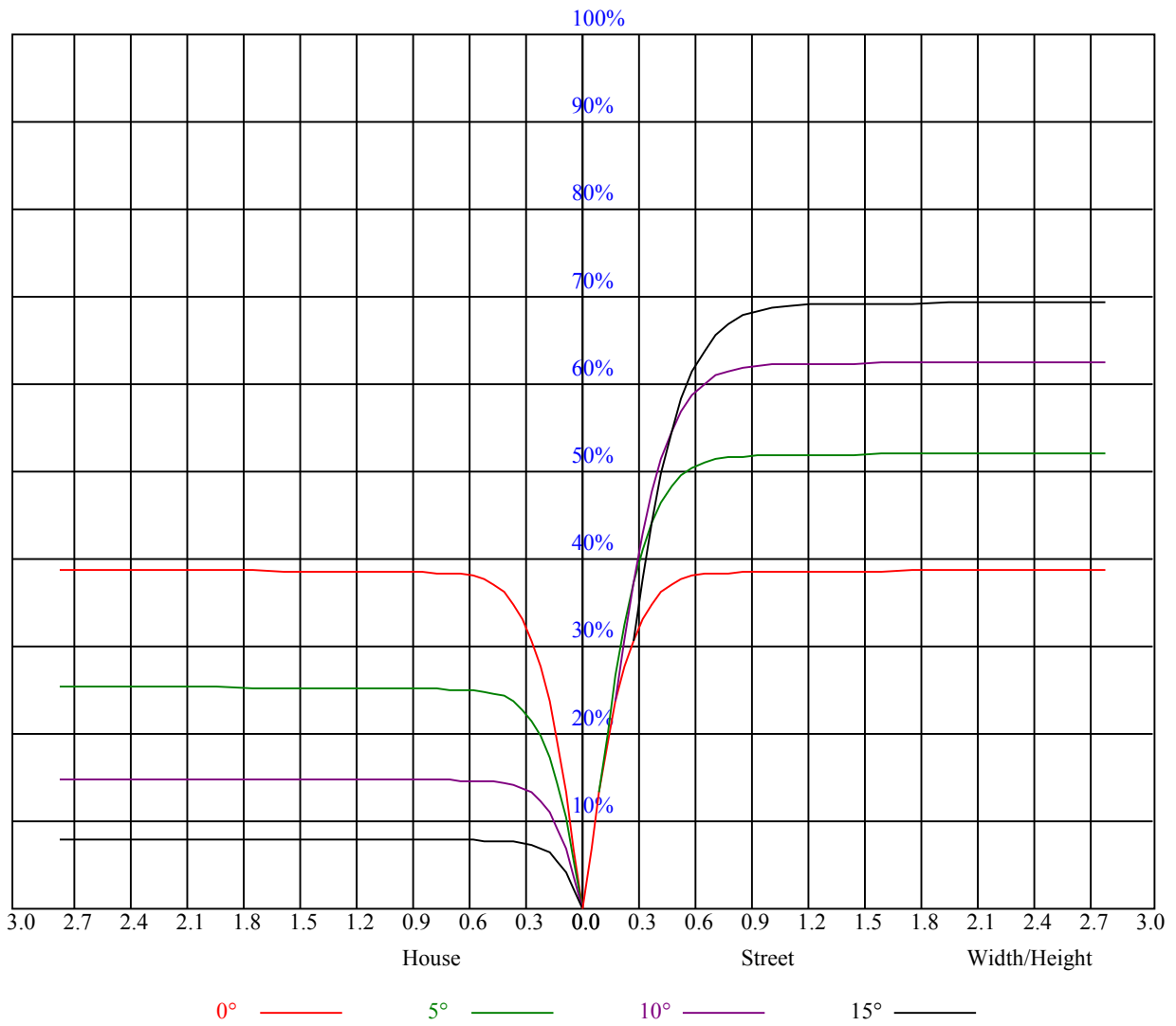
Luminance Limiting Curve



Illuminatin 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	1.1	1.7	1.4	1.9	2.1	1.1	1.7	1.4	1.9	2.1
	3H	1.2	1.7	1.5	2.0	2.2	1.2	1.7	1.5	2.0	2.2
	4H	1.1	1.5	1.4	1.8	2.1	1.1	1.5	1.4	1.8	2.1
	6H	1.1	1.6	1.5	1.9	2.2	1.1	1.6	1.5	1.9	2.2
	8H	1.2	1.6	1.5	1.9	2.2	1.2	1.6	1.5	1.9	2.2
	12H	1.0	1.3	1.4	1.7	2.1	1.0	1.3	1.4	1.7	2.1
4H	2H	0.9	1.4	1.2	1.7	2.0	0.9	1.4	1.2	1.7	2.0
	3H	1.0	1.3	1.4	1.7	2.1	1.0	1.3	1.4	1.7	2.1
	4H	1.1	1.4	1.5	1.8	2.2	1.1	1.4	1.5	1.8	2.2
	6H	1.2	1.5	1.6	1.9	2.3	1.2	1.5	1.6	1.9	2.3
	8H	1.0	1.2	1.5	1.6	2.1	1.0	1.2	1.5	1.6	2.1
	12H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
8H	4H	0.9	1.1	1.4	1.5	2.0	0.9	1.1	1.4	1.5	2.0
	6H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
	8H	1.1	1.3	1.6	1.8	2.3	1.1	1.3	1.6	1.8	2.3
	12H	1.2	1.4	1.7	1.9	2.4	1.2	1.4	1.7	1.9	2.4
12H	4H	0.9	1.1	1.4	1.6	2.1	0.9	1.1	1.4	1.6	2.1
	6H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
	8H	1.1	1.3	1.6	1.8	2.3	1.1	1.3	1.6	1.8	2.3
Variation with the observer position at spacings:											
S = 1.0H		5.8/-5.4					5.8/-5.4				
S = 1.5H		8.4/-5.5					8.4/-5.5				
S = 2.0H		10.2/-5.2					10.2/-5.2				
Standard tables:		BK1					BK1				
Uncorrected UGR		-12.1					-12.1				



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	0.92	0.92	0.92	0.90	0.90	0.90	0.86	0.86	0.86	0.83	0.83	0.83	0.79	0.79	0.79	0.78
1	0.87	0.86	0.85	0.86	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75
2	0.83	0.81	0.79	0.82	0.80	0.78	0.80	0.78	0.76	0.77	0.76	0.75	0.75	0.74	0.73	0.72
3	0.80	0.77	0.75	0.79	0.76	0.74	0.77	0.75	0.73	0.75	0.73	0.72	0.73	0.72	0.71	0.70
4	0.76	0.73	0.71	0.76	0.73	0.71	0.74	0.72	0.70	0.73	0.71	0.69	0.71	0.70	0.68	0.67
5	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.67	0.69	0.68	0.66	0.65
6	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.68	0.66	0.64	0.68	0.66	0.64	0.63
7	0.69	0.65	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.67	0.64	0.62	0.66	0.64	0.62	0.61
8	0.66	0.63	0.61	0.66	0.63	0.61	0.65	0.63	0.61	0.65	0.62	0.60	0.64	0.62	0.60	0.59
9	0.64	0.61	0.59	0.64	0.61	0.59	0.64	0.61	0.59	0.63	0.60	0.59	0.62	0.60	0.59	0.58
10	0.63	0.59	0.57	0.62	0.59	0.57	0.62	0.59	0.57	0.61	0.59	0.57	0.61	0.59	0.57	0.56





## 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	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
45.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
90.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
135.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
180.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
225.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
270.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
315.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14
360.0	7025.05	6979.57	6845.89	6637.95	6346.86	5968.26	5582.65	5180.05	4733.14

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
45.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
90.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
135.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
180.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
225.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
270.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
315.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68
360.0	4263.35	3818.35	3413.43	3049.35	2708.52	2406.66	2167.55	1916.97	1720.68

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
45.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
90.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
135.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
180.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
225.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
270.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
315.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44
360.0	1527.18	1362.17	1184.21	1029.74	937.72	826.58	716.75	623.80	528.44

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
45.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
90.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
135.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
180.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
225.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
270.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
315.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25
360.0	434.57	350.11	276.38	226.59	190.49	125.89	84.45	60.23	43.25

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
45.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
90.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
135.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
180.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
225.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
270.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
315.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02
360.0	33.36	27.01	23.16	20.51	18.28	16.47	14.85	13.46	12.02

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	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
45.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
90.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
135.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
180.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
225.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
270.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
315.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01
360.0	10.77	9.74	8.72	7.84	7.05	6.45	5.89	5.38	5.01

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
45.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
90.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
135.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
180.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
225.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
270.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
315.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71
360.0	4.73	4.45	4.27	4.13	4.04	3.94	3.85	3.81	3.71

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
45.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
90.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
135.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
180.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
225.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
270.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
315.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32
360.0	3.62	3.53	3.39	3.25	3.06	2.92	2.69	2.51	2.32

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
45.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
90.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
135.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
180.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
225.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
270.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
315.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16
360.0	2.13	1.81	1.53	1.25	1.16	1.21	1.21	1.16	1.16

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
45.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
90.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
135.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
180.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
225.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
270.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
315.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21
360.0	1.16	1.21	1.21	1.16	1.21	1.21	1.21	1.21	1.21

Intensity data(cd)

C/γ(°)	90.0
0.0	1.21
45.0	1.21
90.0	1.21
135.0	1.21
180.0	1.21
225.0	1.21
270.0	1.21
315.0	1.21
360.0	1.21