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## SOTEN

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LumCAT: D1040

Luminaire: 2-1419-E

Report No:

Test No:

LampCAT: Lumileds-1203-3090-F

Lamp flux(lm): 1542.0

Number of Lamps: 1

Length(mm): 80

Phm Type: C

Voltage(V): 220.7000

Current(A): 0.0710

Power (W): 14.8400

PF: 0.9370

Ballast type: PHILIPS CertaDrive 15W 0.3A 40V LPF I 230V

Width(mm): 80

Height(mm): 68

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## Photometric Results

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Lumens(lm): 1235.97

Efficiency(%): 80.15%

Lumens(lm)/Power(W): 83.29

Central intensity(cd): 4202.472

Maximum intensity(cd): 4202.472

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

Beam Angle(50%Imax): [C0/180]Total=23.4

[C90/270]Total=23.4

Field angle(10%Imax): [C0/180]Total=60.0

[C90/270]Total=60.0

Maximum s/h(1/2): C0\_180=0.40 C90\_270=0.40

Maximum s/h(1/4): C0\_180=0.58 C90\_270=0.41

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 80.15%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 96.729%



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Equipment: GMS 1800  
Temperature(°C): 25.0

Date: 2022/1/14  
Humidity(%): 60.0%

Operator: New  
Distance(m): 6.81

## SOTEN D1040

## Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	4202.472	.000	.000	.000%	.000%
1.0	4178.621	4.010	4.010	.260%	.260%
2.0	4116.487	11.906	15.916	.772%	1.032%
3.0	4012.822	19.443	35.359	1.261%	2.293%
4.0	3875.700	26.405	61.764	1.712%	4.005%
5.0	3697.186	32.578	94.342	2.113%	6.118%
6.0	3489.252	37.767	132.109	2.449%	8.567%
7.0	3263.129	41.912	174.021	2.718%	11.285%
8.0	3026.611	45.014	219.035	2.919%	14.205%
9.0	2784.943	47.099	266.135	3.054%	17.259%
10.0	2500.862	47.835	313.969	3.102%	20.361%
11.0	2279.146	47.762	361.732	3.097%	23.459%
12.0	2019.705	46.993	408.724	3.048%	26.506%
13.0	1775.345	45.038	453.762	2.921%	29.427%
14.0	1580.915	42.960	496.722	2.786%	32.213%
15.0	1399.989	40.923	537.645	2.654%	34.867%
16.0	1199.294	38.087	575.732	2.470%	37.337%
17.0	1065.282	35.266	610.997	2.287%	39.624%
18.0	969.319	33.546	644.543	2.175%	41.799%
19.0	890.758	32.362	676.905	2.099%	43.898%
20.0	818.508	31.284	708.189	2.029%	45.927%
21.0	758.555	30.283	738.472	1.964%	47.891%
22.0	709.321	29.498	767.970	1.913%	49.803%
23.0	667.234	28.884	796.854	1.873%	51.677%
24.0	631.317	28.391	825.244	1.841%	53.518%
25.0	601.898	28.041	853.285	1.818%	55.336%
26.0	574.566	27.771	881.056	1.801%	57.137%
27.0	539.578	27.258	908.313	1.768%	58.905%
28.0	507.142	26.501	934.814	1.719%	60.623%
29.0	468.952	25.537	960.352	1.656%	62.280%
30.0	420.507	24.015	984.367	1.557%	63.837%
31.0	363.385	21.815	1006.181	1.415%	65.252%
32.0	333.454	19.964	1026.145	1.295%	66.546%
33.0	323.106	19.343	1045.487	1.254%	67.801%
34.0	263.896	17.764	1063.252	1.152%	68.953%
35.0	239.441	15.632	1078.884	1.014%	69.967%
36.0	213.687	14.428	1093.311	.936%	70.902%
37.0	181.623	12.893	1106.204	.836%	71.738%

Equipment: GMS 1800  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 2022/1/14  
Humidity(%): 60.0%

Operator: New  
Distance(m): 6.81

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	151.553	11.121	1117.325	.721%	72.459%
39.0	125.150	9.445	1126.770	.612%	73.072%
40.0	91.229	7.547	1134.316	.489%	73.561%
41.0	61.577	5.441	1139.758	.353%	73.914%
42.0	51.972	4.125	1143.883	.268%	74.182%
43.0	47.192	3.673	1147.557	.238%	74.420%
44.0	43.341	3.417	1150.974	.222%	74.642%
45.0	41.067	3.244	1154.217	.210%	74.852%
46.0	39.953	3.169	1157.386	.205%	75.057%
47.0	38.932	3.137	1160.523	.203%	75.261%
48.0	37.633	3.095	1163.619	.201%	75.462%
49.0	36.287	3.036	1166.654	.197%	75.659%
50.0	35.081	2.976	1169.630	.193%	75.851%
51.0	33.503	2.902	1172.532	.188%	76.040%
52.0	32.390	2.828	1175.359	.183%	76.223%
53.0	30.997	2.757	1178.116	.179%	76.402%
54.0	29.837	2.681	1180.798	.174%	76.576%
55.0	28.631	2.610	1183.408	.169%	76.745%
56.0	27.517	2.537	1185.945	.165%	76.910%
57.0	26.543	2.472	1188.417	.160%	77.070%
58.0	25.707	2.416	1190.833	.157%	77.227%
59.0	25.011	2.371	1193.204	.154%	77.380%
60.0	24.315	2.330	1195.534	.151%	77.531%
61.0	23.619	2.288	1197.822	.148%	77.680%
62.0	23.016	2.247	1200.069	.146%	77.826%
63.0	22.413	2.209	1202.279	.143%	77.969%
64.0	21.856	2.172	1204.451	.141%	78.110%
65.0	21.206	2.131	1206.582	.138%	78.248%
66.0	20.649	2.088	1208.670	.135%	78.383%
67.0	20.000	2.044	1210.714	.133%	78.516%
68.0	19.350	1.993	1212.708	.129%	78.645%
69.0	18.608	1.936	1214.644	.126%	78.771%
70.0	17.819	1.871	1216.515	.121%	78.892%
71.0	17.076	1.804	1218.318	.117%	79.009%
72.0	16.195	1.730	1220.048	.112%	79.121%
73.0	15.360	1.650	1221.698	.107%	79.228%
74.0	14.385	1.564	1223.262	.101%	79.330%
75.0	13.503	1.474	1224.736	.096%	79.425%

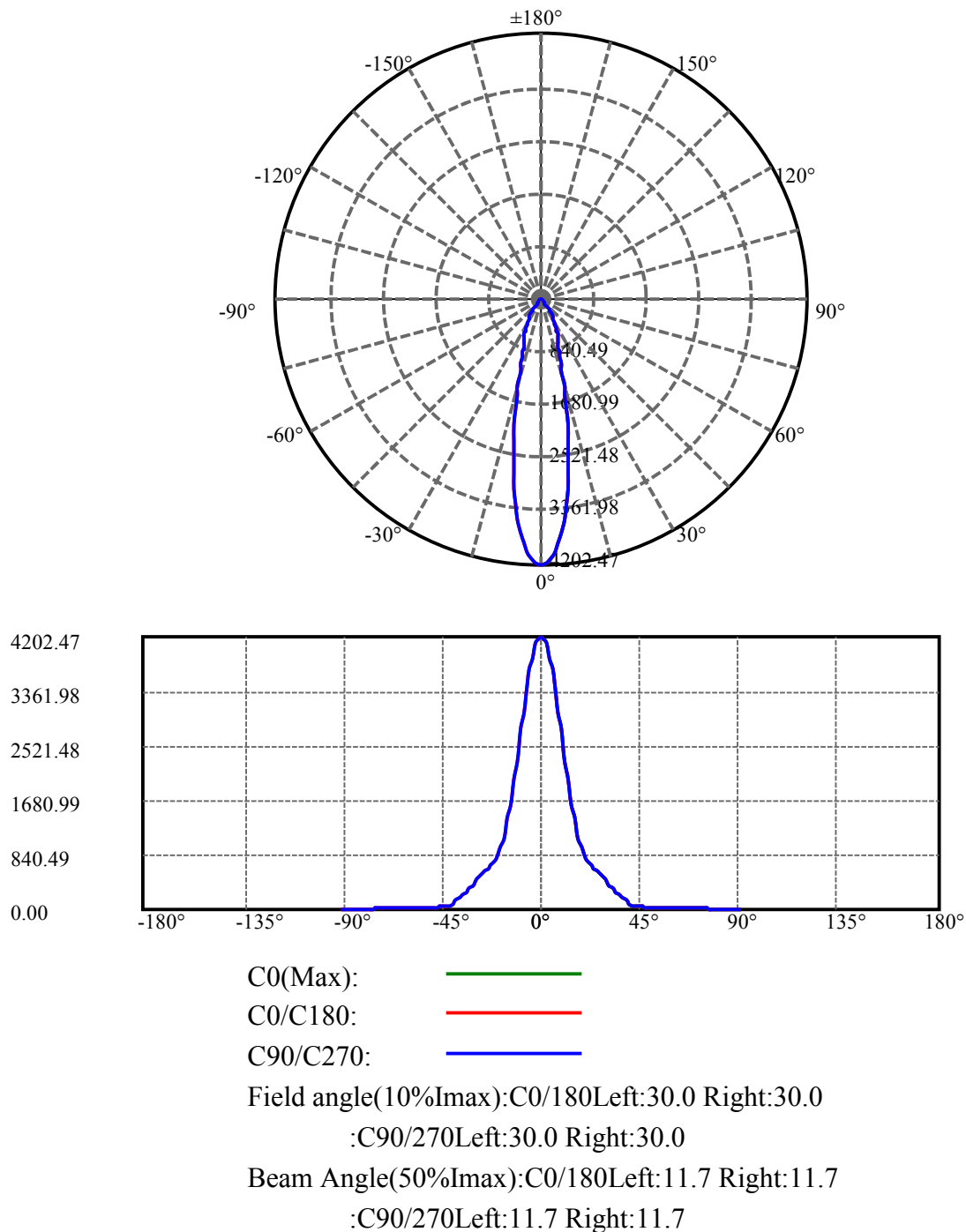
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.575	1.384	1226.120	.090%	79.515%
77.0	11.694	1.294	1227.414	.084%	79.599%
78.0	10.766	1.202	1228.616	.078%	79.677%
79.0	9.791	1.105	1229.721	.072%	79.748%
80.0	8.956	1.011	1230.732	.066%	79.814%
81.0	8.121	.923	1231.655	.060%	79.874%
82.0	7.146	.828	1232.483	.054%	79.928%
83.0	6.357	.734	1233.217	.048%	79.975%
84.0	5.476	.645	1233.862	.042%	80.017%
85.0	4.733	.557	1234.419	.036%	80.053%
86.0	3.898	.472	1234.891	.031%	80.084%
87.0	3.063	.381	1235.271	.025%	80.108%
88.0	2.320	.295	1235.566	.019%	80.128%
89.0	1.763	.224	1235.790	.015%	80.142%
90.0	1.485	.178	1235.968	.012%	80.154%

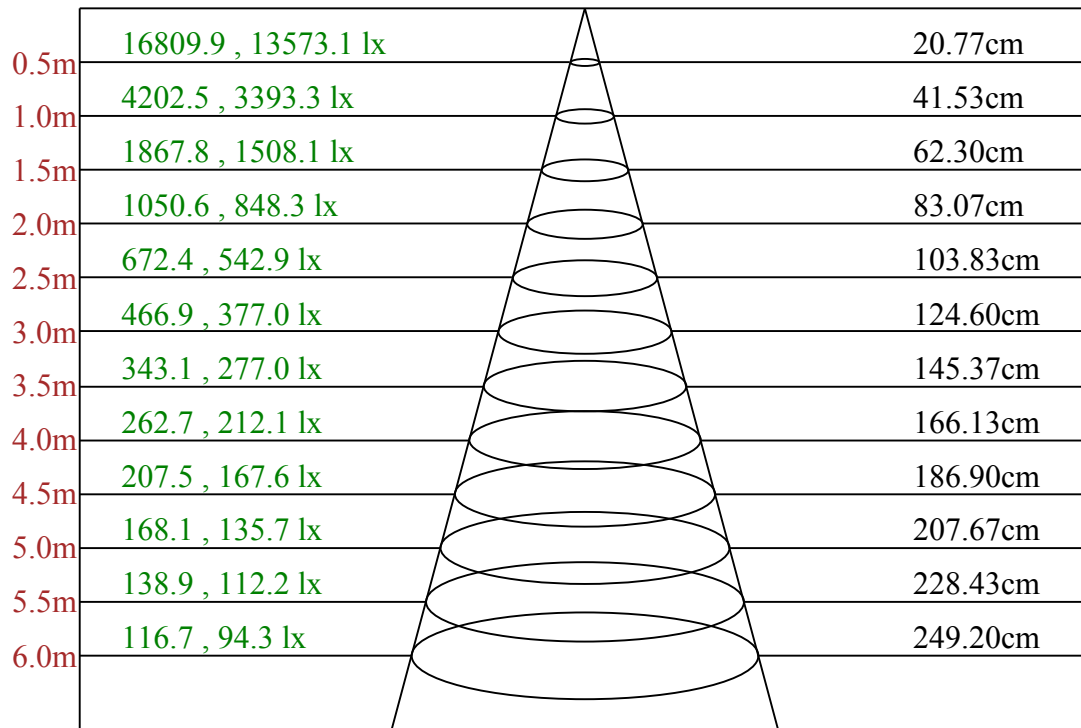
## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	984.37	63.84%	79.64%
0-40	1134.32	73.56%	91.78%
0-60	1195.53	77.53%	96.73%
0-90	1235.79	80.14%	99.99%
0-120	1235.79	80.14%	99.99%
0-180	1235.97	80.15%	100.00%
60-90	42.59	2.76%	3.45%
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%
0-30.20	988.77	64.12%	80.00%

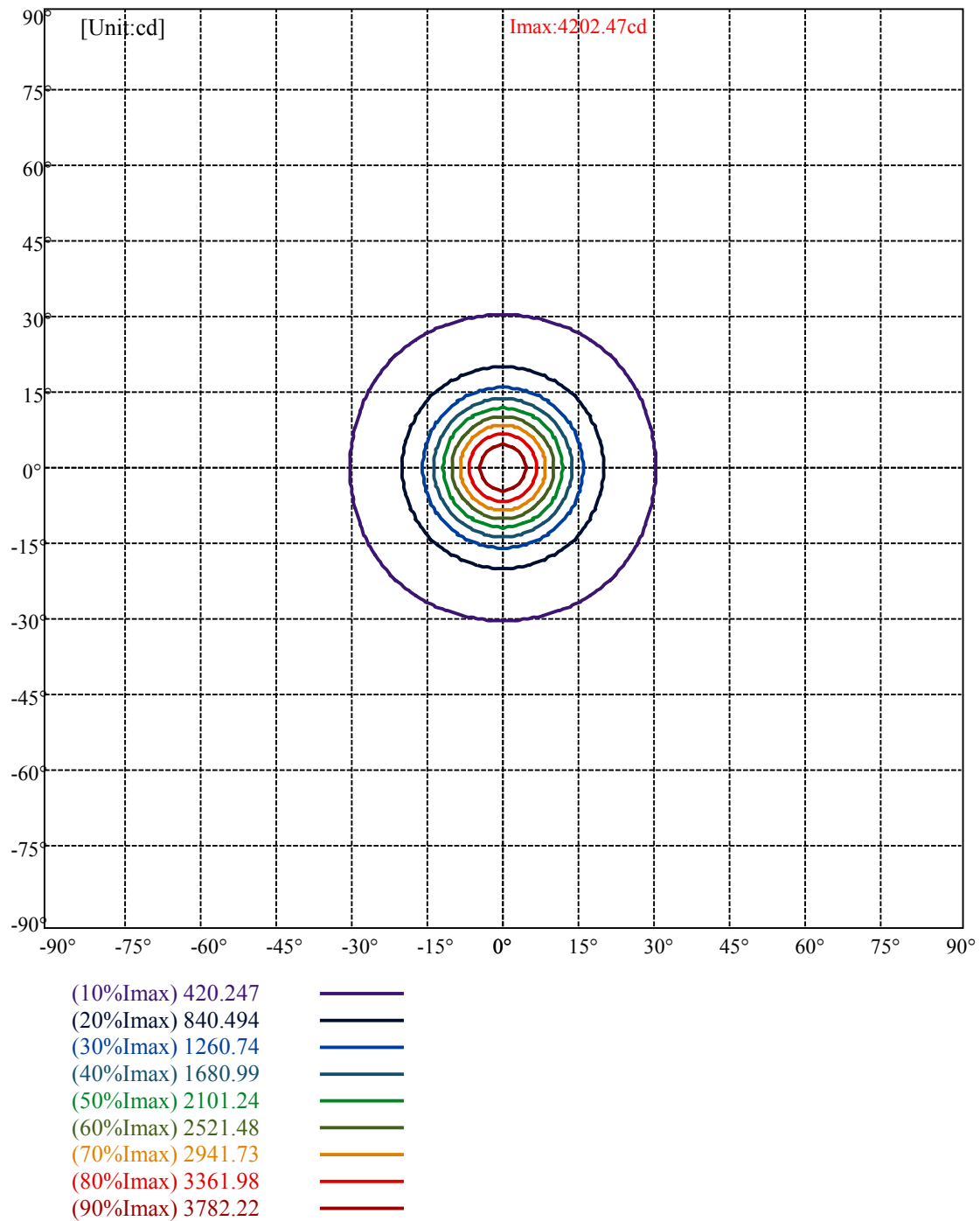
## ZONAL LUMEN SUMMARY

0-10	313.97
10-20	394.22
20-30	276.18
30-40	149.95
40-50	35.31
50-60	25.90
60-70	20.98
70-80	14.22
80-90	5.06
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

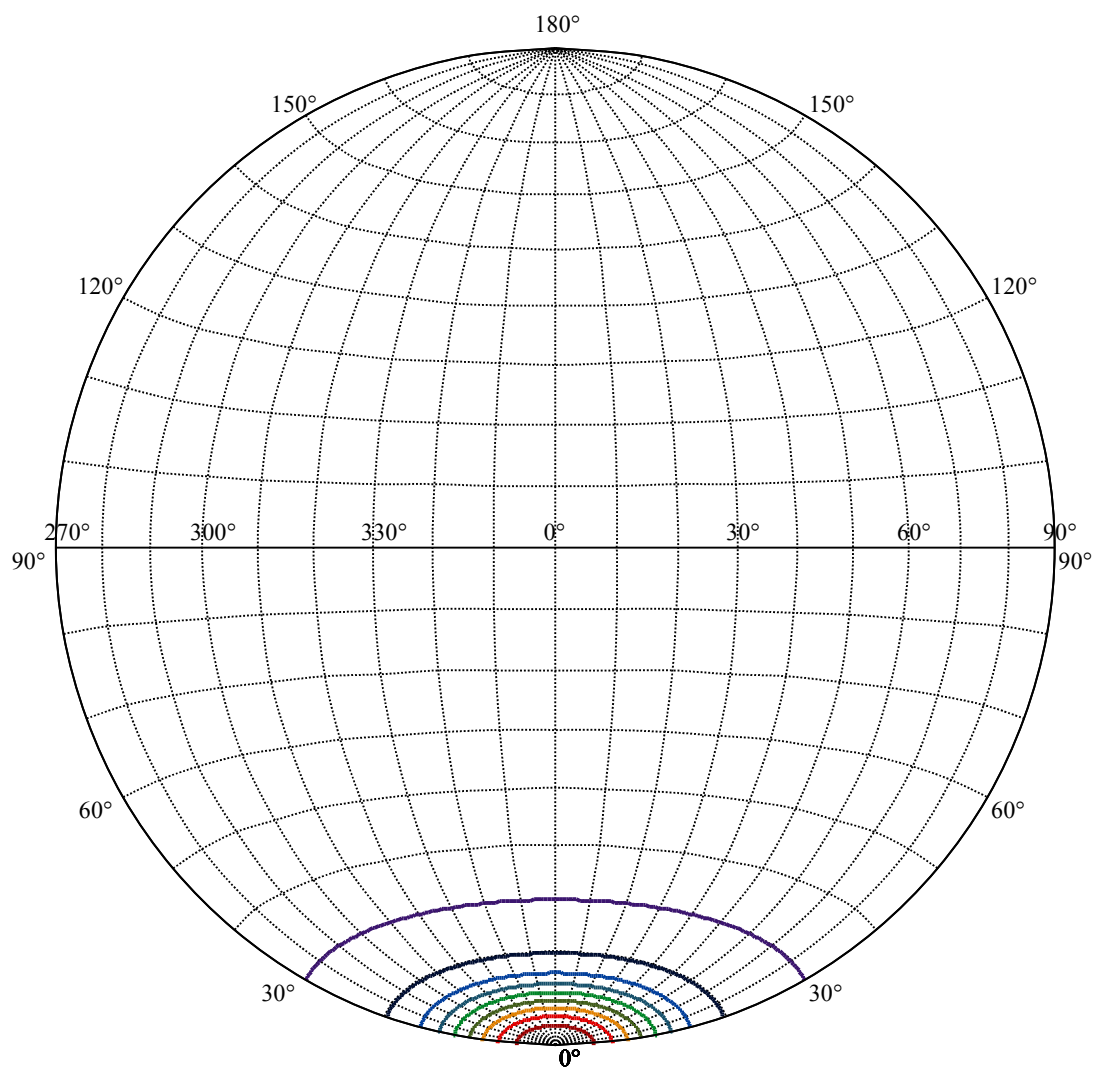




Max , Ave      Beam angle of C0plane23.46





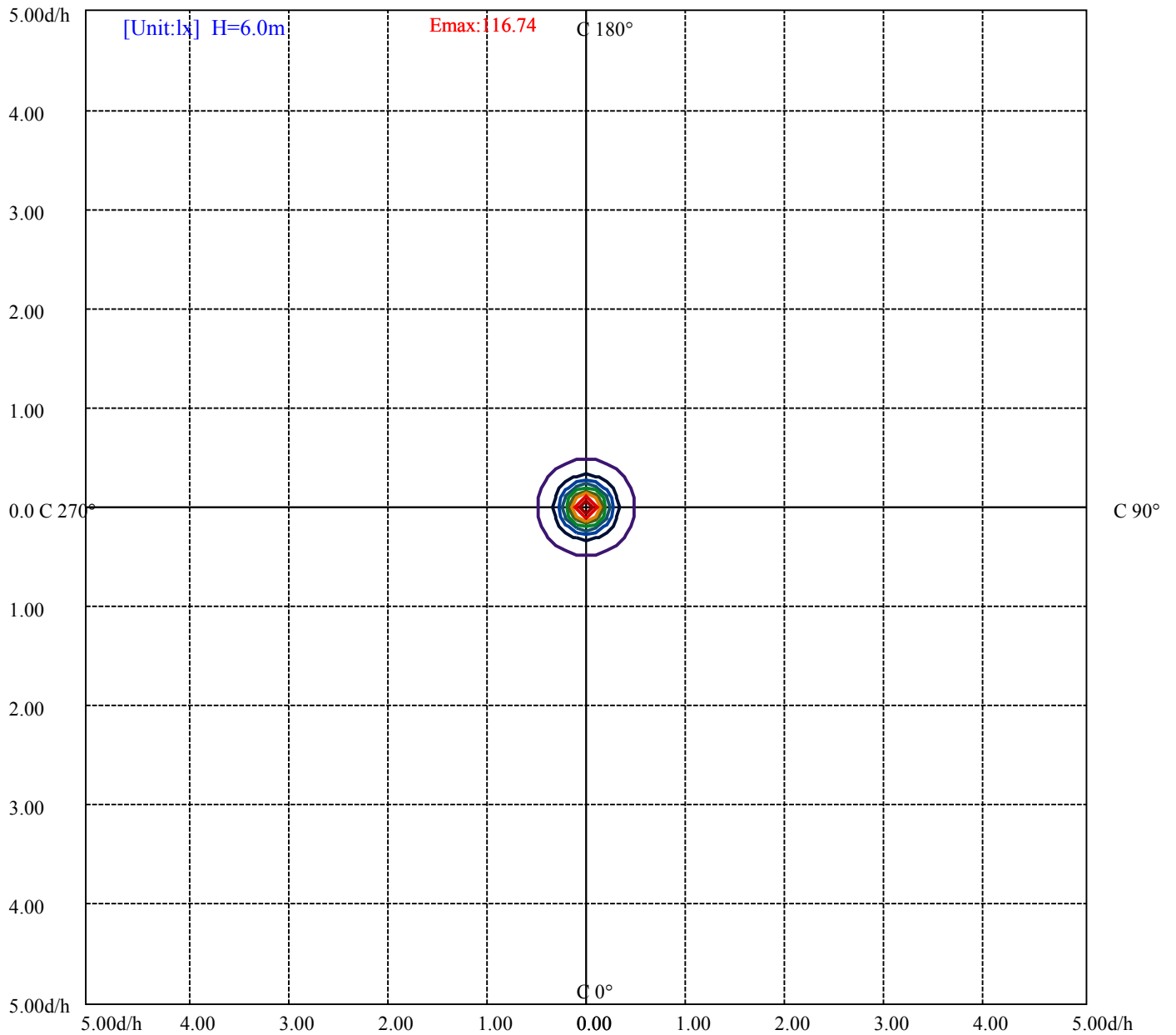


House

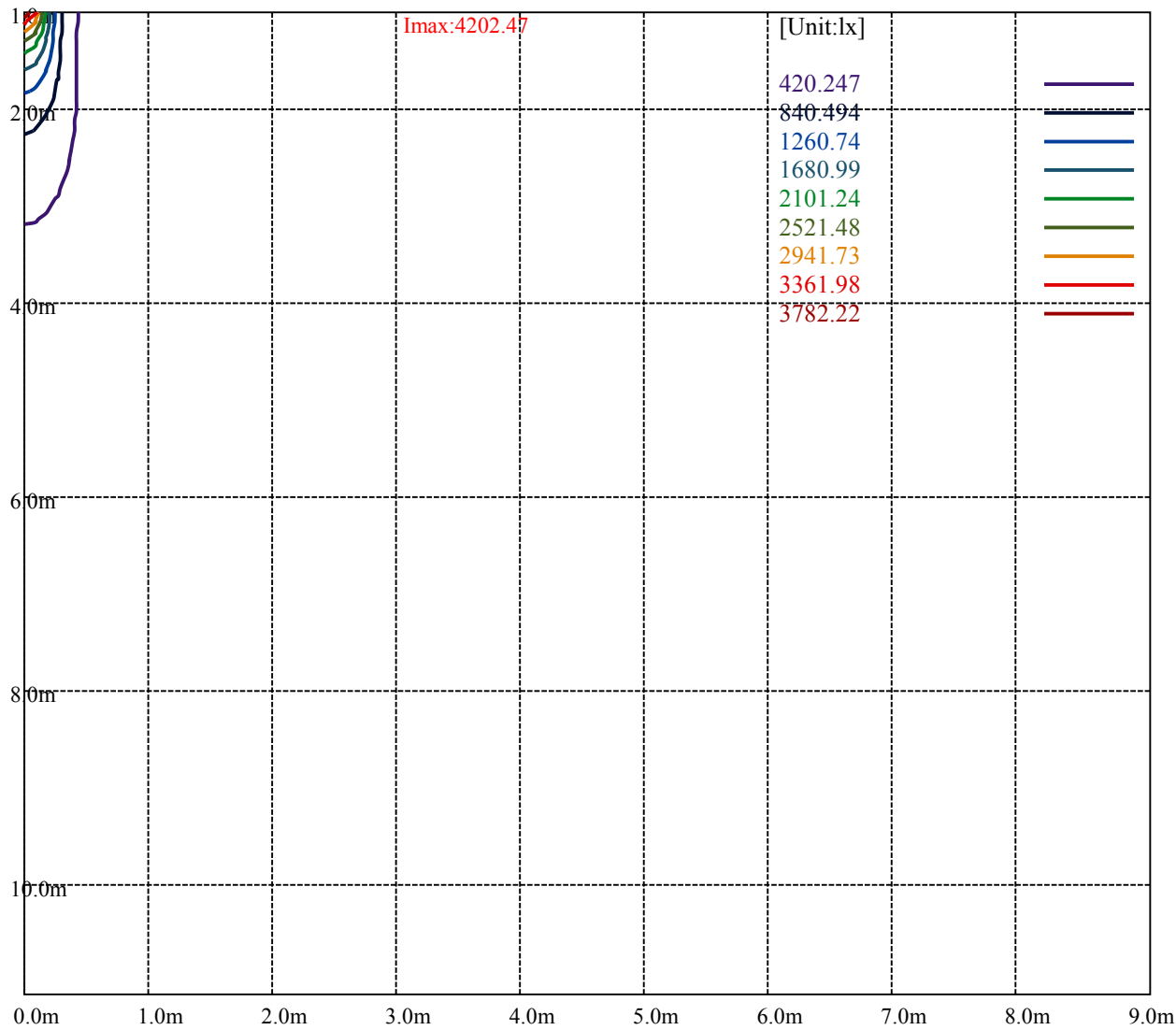
[Unit:cd]

Road

**I<sub>max</sub>:4202.47**(10%I<sub>max</sub>) 420.247(20%I<sub>max</sub>) 840.494(30%I<sub>max</sub>) 1260.74(40%I<sub>max</sub>) 1680.99(50%I<sub>max</sub>) 2101.24(60%I<sub>max</sub>) 2521.48(70%I<sub>max</sub>) 2941.73(80%I<sub>max</sub>) 3361.98(90%I<sub>max</sub>) 3782.22



(10%Emax)	11.67353	—
(20%Emax)	23.34706	—
(30%Emax)	35.02055	—
(40%Emax)	46.69417	—
(50%Emax)	58.3675	—
(60%Emax)	70.04111	—
(70%Emax)	81.71472	—
(80%Emax)	93.38834	—
(90%Emax)	105.0617	—



Luminance Table

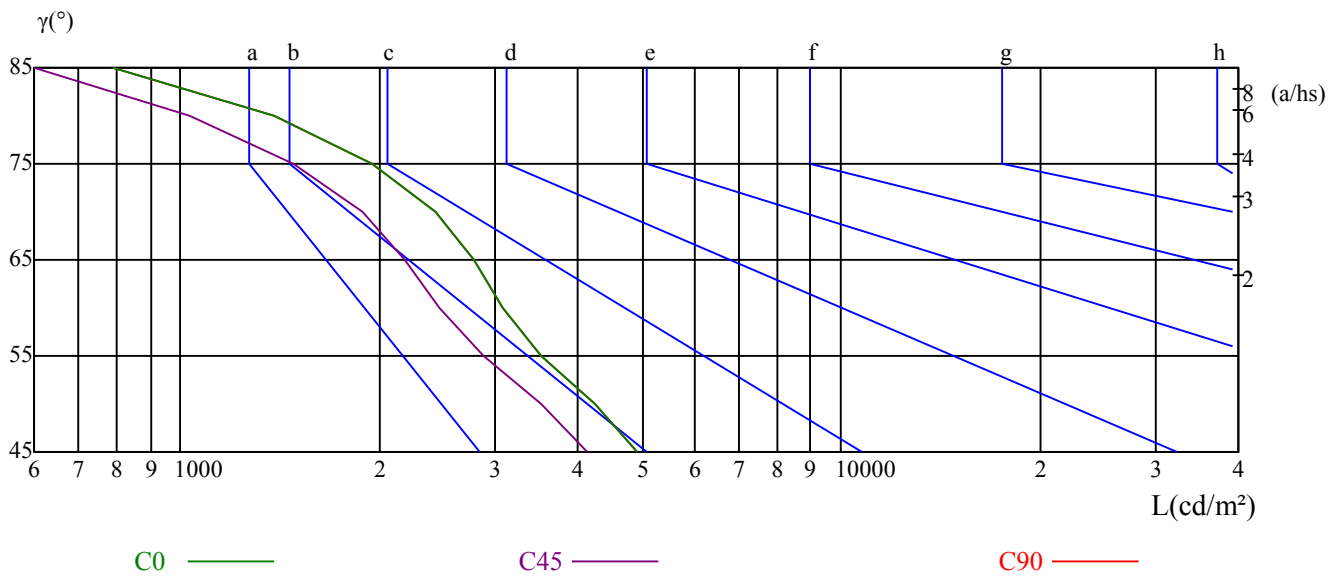
$\gamma$	45	50	55	60	65	70	75	80	85
C0	4905	4236	3523	3074	2777	2441	1954	1384	792
C45	4121	3506	2871	2465	2191	1892	1486	1031	576
C90	4905	4236	3523	3074	2777	2441	1954	1384	792

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
7840	7840	7840	8152	8152	8152	8485	8485	8485

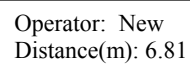
Glare Table

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

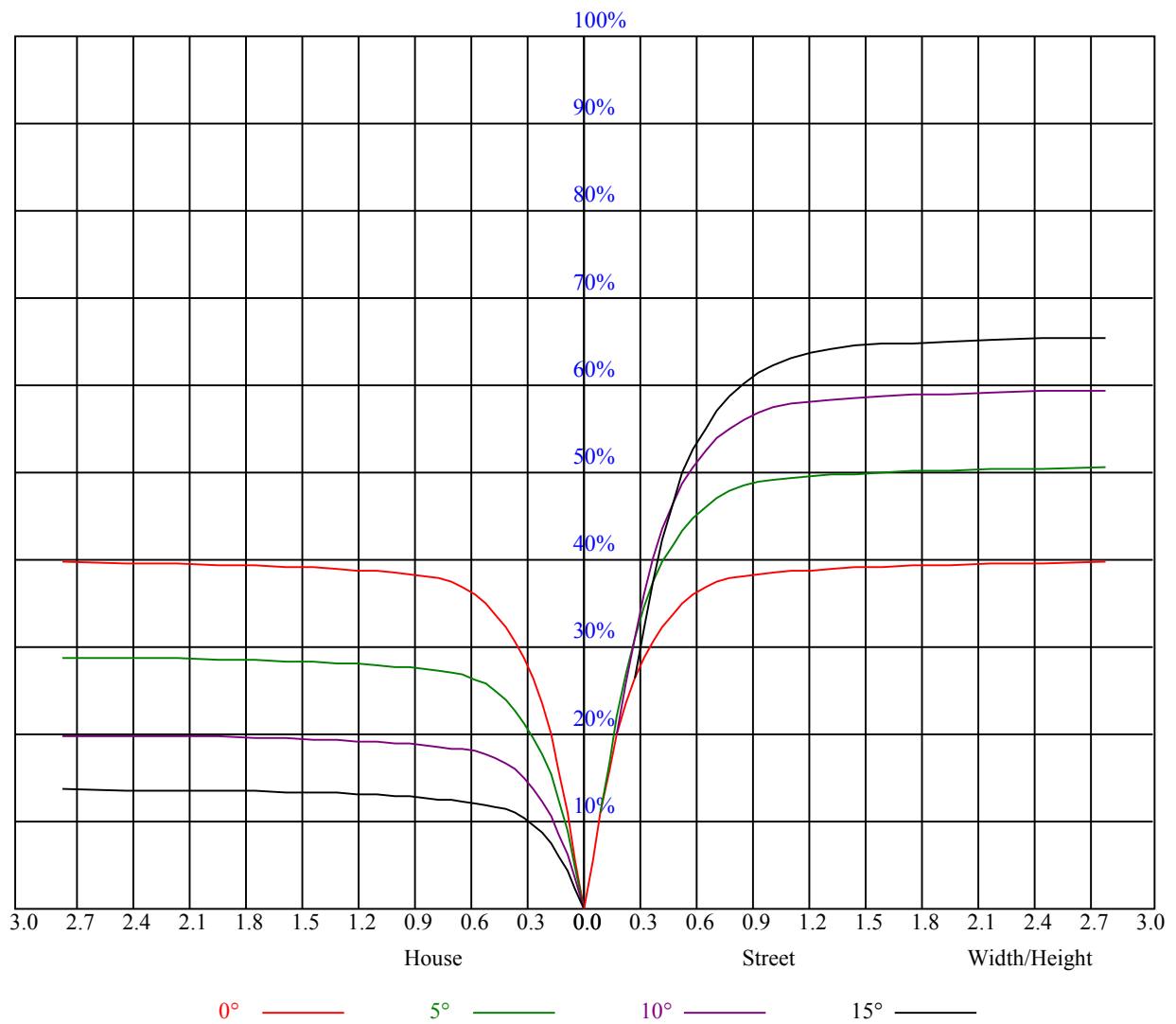
Luminance Limiting Curve



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	7.8	8.6	8.1	8.8	9.0	7.8	8.6	8.1	8.8	9.0
	3H	8.5	9.2	8.8	9.4	9.7	8.5	9.2	8.8	9.4	9.7
	4H	8.7	9.3	9.0	9.6	9.9	8.7	9.3	9.0	9.6	9.9
	6H	9.0	9.6	9.3	9.9	10.2	9.0	9.6	9.3	9.9	10.2
	8H	9.1	9.7	9.5	10.0	10.3	9.1	9.7	9.5	10.0	10.3
	12H	9.0	9.4	9.4	9.8	10.2	9.0	9.4	9.4	9.8	10.2
4H	2H	7.8	8.4	8.2	8.7	9.0	7.8	8.4	8.2	8.7	9.0
	3H	8.7	9.1	9.1	9.5	9.9	8.7	9.1	9.1	9.5	9.9
	4H	9.2	9.6	9.6	10.0	10.4	9.2	9.6	9.6	10.0	10.4
	6H	9.6	10.1	10.0	10.4	10.8	9.6	10.1	10.0	10.4	10.8
	8H	9.5	9.8	10.0	10.3	10.8	9.5	9.8	10.0	10.3	10.8
	12H	9.7	9.9	10.1	10.4	10.9	9.7	9.9	10.1	10.4	10.9
8H	4H	9.2	9.5	9.7	9.9	10.4	9.2	9.5	9.7	9.9	10.4
	6H	9.7	10.0	10.2	10.5	11.0	9.7	10.0	10.2	10.5	11.0
	8H	9.9	10.2	10.4	10.7	11.2	9.9	10.2	10.4	10.7	11.2
	12H	10.1	10.4	10.6	10.8	11.3	10.1	10.4	10.6	10.8	11.3
12H	4H	9.3	9.5	9.7	10.0	10.5	9.3	9.5	9.7	10.0	10.5
	6H	9.8	10.1	10.3	10.5	11.0	9.8	10.1	10.3	10.5	11.0
	8H	10.0	10.3	10.5	10.7	11.3	10.0	10.3	10.5	10.7	11.3
Variation with the observer position at spacings:											
S = 1.0H		3.2/-1.9					3.2/-1.9				
S = 1.5H		4.9/-1.9					4.9/-1.9				
S = 2.0H		6.5/-1.8					6.5/-1.8				
Standard tables:		BK2					BK2				
Uncorrected UGR		-3.7					-3.7				



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	0.95	0.95	0.95	0.93	0.93	0.93	0.89	0.89	0.89	0.85	0.85	0.85	0.82	0.82	0.82	0.80
1	0.89	0.87	0.85	0.87	0.86	0.84	0.84	0.83	0.81	0.81	0.80	0.79	0.78	0.78	0.77	0.75
2	0.83	0.80	0.78	0.82	0.79	0.77	0.79	0.77	0.75	0.77	0.75	0.74	0.75	0.73	0.72	0.71
3	0.79	0.75	0.72	0.77	0.74	0.71	0.75	0.73	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.67
4	0.74	0.70	0.67	0.73	0.70	0.67	0.72	0.69	0.66	0.70	0.68	0.65	0.69	0.66	0.65	0.63
5	0.71	0.66	0.63	0.70	0.66	0.63	0.68	0.65	0.63	0.67	0.64	0.62	0.66	0.63	0.61	0.60
6	0.67	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.59	0.64	0.61	0.59	0.63	0.61	0.59	0.58
7	0.64	0.60	0.57	0.64	0.60	0.57	0.63	0.59	0.57	0.62	0.59	0.56	0.61	0.58	0.56	0.55
8	0.62	0.57	0.55	0.61	0.57	0.54	0.60	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.53
9	0.59	0.55	0.52	0.59	0.55	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.57	0.54	0.52	0.51
10	0.57	0.53	0.50	0.56	0.53	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.55	0.52	0.50	0.49





## SOTEN D1040

## Intensity data(cd)

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C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
45.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
90.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
135.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
180.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
225.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
270.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
315.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61
360.0	4202.47	4178.62	4116.49	4012.82	3875.70	3697.19	3489.25	3263.13	3026.61

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
45.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
90.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
135.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
180.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
225.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
270.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
315.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28
360.0	2784.94	2500.86	2279.15	2019.71	1775.35	1580.92	1399.99	1199.29	1065.28

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
45.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
90.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
135.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
180.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
225.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
270.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
315.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57
360.0	969.32	890.76	818.51	758.56	709.32	667.23	631.32	601.90	574.57

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
45.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
90.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
135.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
180.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
225.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
270.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
315.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44
360.0	539.58	507.14	468.95	420.51	363.38	333.45	323.11	263.90	239.44

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
45.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
90.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
135.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
180.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
225.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
270.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
315.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34
360.0	213.69	181.62	151.55	125.15	91.23	61.58	51.97	47.19	43.34

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Intensity data(cd)										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	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
45.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
90.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
135.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
180.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
225.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
270.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
315.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
360.0	41.07	39.95	38.93	37.63	36.29	35.08	33.50	32.39	31.00		
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0		
0.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
45.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
90.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
135.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
180.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
225.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
270.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
315.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
360.0	29.84	28.63	27.52	26.54	25.71	25.01	24.32	23.62	23.02		
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0		
0.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
45.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
90.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
135.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
180.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
225.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
270.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
315.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
360.0	22.41	21.86	21.21	20.65	20.00	19.35	18.61	17.82	17.08		
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0		
0.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
45.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
90.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
135.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
180.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
225.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
270.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
315.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
360.0	16.19	15.36	14.39	13.50	12.58	11.69	10.77	9.79	8.96		
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0		
0.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
45.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
90.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
135.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
180.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
225.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
270.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
315.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		
360.0	8.12	7.15	6.36	5.48	4.73	3.90	3.06	2.32	1.76		

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Intensity data(cd)

Page: 19 Total:19

C/ $\gamma$ (°)	90.0
0.0	1.48
45.0	1.48
90.0	1.48
135.0	1.48
180.0	1.48
225.0	1.48
270.0	1.48
315.0	1.48
360.0	1.48