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NATA

LumCAT: 2-1678-M
Luminaire: 92.70.127.00
Report No: NATA0100
Test No: GC2019011601
LampCAT: PHILIPS Certaflux SLM 1202
Lamp flux(lm): 967.0
Number of Lamps: 1
Length(mm): 70
Phm Type: C

Voltage(V): 36.7000
Current(A): 0.2500
Power (W): 9.1750
PF: 0.0000
Ballast type: DC
Width(mm): 70
Height(mm): 0

Photometric Results

Lumens(lm): 871.12
Efficiency(%): 90.08%
Lumens(lm)/Power(W): 95.24
Central intensity(cd): 11414.390
Maximum intensity(cd): 11414.390
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=10.6
 [C90/270]Total=10.6
Field angle(10%Imax): [C0/180]Total=19.9
 [C90/270]Total=19.9
Maximum s/h(1/2): C0_180=0.18 C90_270=0.18
Maximum s/h(1/4): C0_180=0.18 C90_270=0.18
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 90.36%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.477%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	11414.391	2.731	2.731	.282%	.313%
1.0	11230.875	21.494	24.225	2.223%	2.781%
2.0	10494.914	40.165	64.39	4.154%	7.392%
3.0	9097.594	52.213	116.603	5.399%	13.385%
4.0	7683.539	58.776	175.379	6.078%	20.133%
5.0	6126.047	58.550	233.929	6.055%	26.854%
6.0	4642.664	53.217	287.146	5.503%	32.963%
7.0	3198.284	42.743	329.889	4.420%	37.870%
8.0	2293.137	34.997	364.887	3.619%	41.887%
9.0	1495.146	25.649	390.536	2.652%	44.832%
10.0	1126.034	21.442	411.978	2.217%	47.293%
11.0	808.369	16.915	428.892	1.749%	49.235%
12.0	659.981	15.047	443.94	1.556%	50.962%
13.0	552.839	13.638	457.577	1.410%	52.528%
14.0	497.897	13.209	470.786	1.366%	54.044%
15.0	463.310	13.150	483.936	1.360%	55.554%
16.0	435.389	13.160	497.097	1.361%	57.064%
17.0	417.480	13.385	510.482	1.384%	58.601%
18.0	403.770	13.683	524.164	1.415%	60.172%
19.0	392.091	13.998	538.163	1.448%	61.779%
20.0	382.444	14.344	552.507	1.483%	63.425%
21.0	374.027	14.699	567.206	1.520%	65.113%
22.0	366.103	15.039	582.245	1.555%	66.839%
23.0	359.030	15.384	597.629	1.591%	68.605%
24.0	352.709	15.732	613.361	1.627%	70.411%
25.0	346.451	16.056	629.417	1.660%	72.254%
26.0	341.423	16.413	645.83	1.697%	74.138%
27.0	336.263	16.741	662.571	1.731%	76.060%
28.0	330.518	17.016	679.586	1.760%	78.013%
29.0	325.230	17.291	696.877	1.788%	79.998%
30.0	320.358	17.565	714.443	1.816%	82.015%
31.0	314.205	17.746	732.189	1.835%	84.052%
32.0	308.159	17.908	750.096	1.852%	86.107%
33.0	300.361	17.939	768.036	1.855%	88.167%
34.0	287.170	17.610	785.645	1.821%	90.188%
35.0	257.182	16.176	801.822	1.673%	92.045%
36.0	227.932	14.692	816.514	1.519%	93.732%
37.0	183.108	12.084	828.598	1.250%	95.119%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	138.255	9.334	837.932	.965%	96.191%
39.0	92.834	6.407	844.339	.663%	96.926%
40.0	58.402	4.117	848.455	.426%	97.399%
41.0	34.685	2.495	850.951	.258%	97.685%
42.0	19.083	1.400	852.351	.145%	97.846%
43.0	12.248	0.916	853.267	.095%	97.951%
44.0	9.865	0.751	854.018	.078%	98.037%
45.0	8.177	0.634	854.653	.066%	98.110%
46.0	6.827	0.539	855.191	.056%	98.172%
47.0	5.611	0.450	855.641	.047%	98.224%
48.0	4.873	0.397	856.038	.041%	98.269%
49.0	4.704	0.389	856.428	.040%	98.314%
50.0	4.598	0.386	856.814	.040%	98.358%
51.0	4.479	0.382	857.196	.039%	98.402%
52.0	4.402	0.380	857.576	.039%	98.446%
53.0	4.296	0.376	857.952	.039%	98.489%
54.0	4.212	0.374	858.326	.039%	98.532%
55.0	4.127	0.371	858.697	.038%	98.574%
56.0	4.036	0.367	859.063	.038%	98.616%
57.0	3.945	0.363	859.426	.038%	98.658%
58.0	3.902	0.363	859.789	.038%	98.700%
59.0	3.832	0.360	860.149	.037%	98.741%
60.0	3.783	0.359	860.509	.037%	98.782%
61.0	3.727	0.357	860.866	.037%	98.823%
62.0	3.677	0.356	861.222	.037%	98.864%
63.0	3.642	0.356	861.578	.037%	98.905%
64.0	3.614	0.356	861.934	.037%	98.946%
65.0	3.586	0.356	862.291	.037%	98.987%
66.0	3.565	0.357	862.648	.037%	99.028%
67.0	3.530	0.356	863.004	.037%	99.069%
68.0	3.495	0.355	863.359	.037%	99.110%
69.0	3.473	0.356	863.715	.037%	99.150%
70.0	3.466	0.357	864.072	.037%	99.191%
71.0	3.445	0.357	864.429	.037%	99.232%
72.0	3.424	0.357	864.786	.037%	99.273%
73.0	3.424	0.359	865.146	.037%	99.315%
74.0	3.403	0.359	865.504	.037%	99.356%
75.0	3.403	0.360	865.865	.037%	99.397%

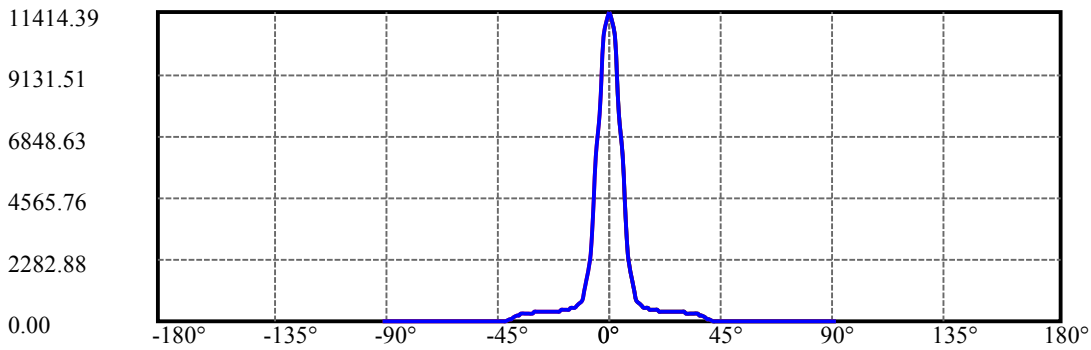
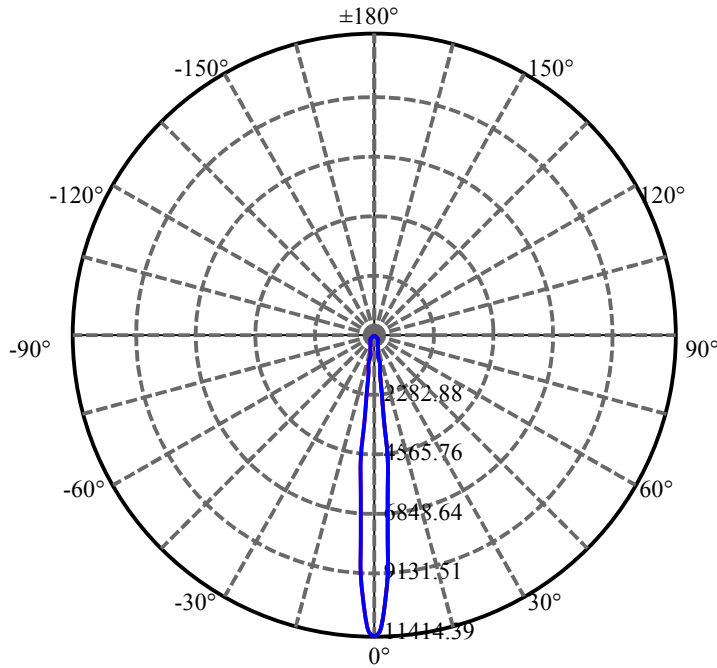
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.403	0.362	866.227	.037%	99.439%
77.0	3.375	0.361	866.587	.037%	99.480%
78.0	3.382	0.363	866.95	.038%	99.522%
79.0	3.347	0.360	867.311	.037%	99.563%
80.0	3.361	0.363	867.673	.038%	99.605%
81.0	3.354	0.363	868.037	.038%	99.646%
82.0	3.340	0.363	868.399	.038%	99.688%
83.0	3.340	0.364	868.763	.038%	99.730%
84.0	3.333	0.363	869.126	.038%	99.772%
85.0	3.340	0.365	869.491	.038%	99.813%
86.0	3.305	0.362	869.853	.037%	99.855%
87.0	3.305	0.362	870.215	.037%	99.897%
88.0	3.298	0.361	870.576	.037%	99.938%
89.0	3.284	0.360	870.936	.037%	99.979%
90.0	3.284	0.180	871.116	.019%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	714.44	73.88%	82.01%
0-40	848.46	87.74%	97.40%
0-60	860.51	88.99%	98.78%
0-90	870.94	90.07%	99.98%
0-120	870.94	90.07%	99.98%
0-180	871.12	90.08%	100.00%
60-90	10.79	1.12%	1.24%
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%
0-29.00	696.89	72.07%	80.00%

ZONAL LUMEN SUMMARY

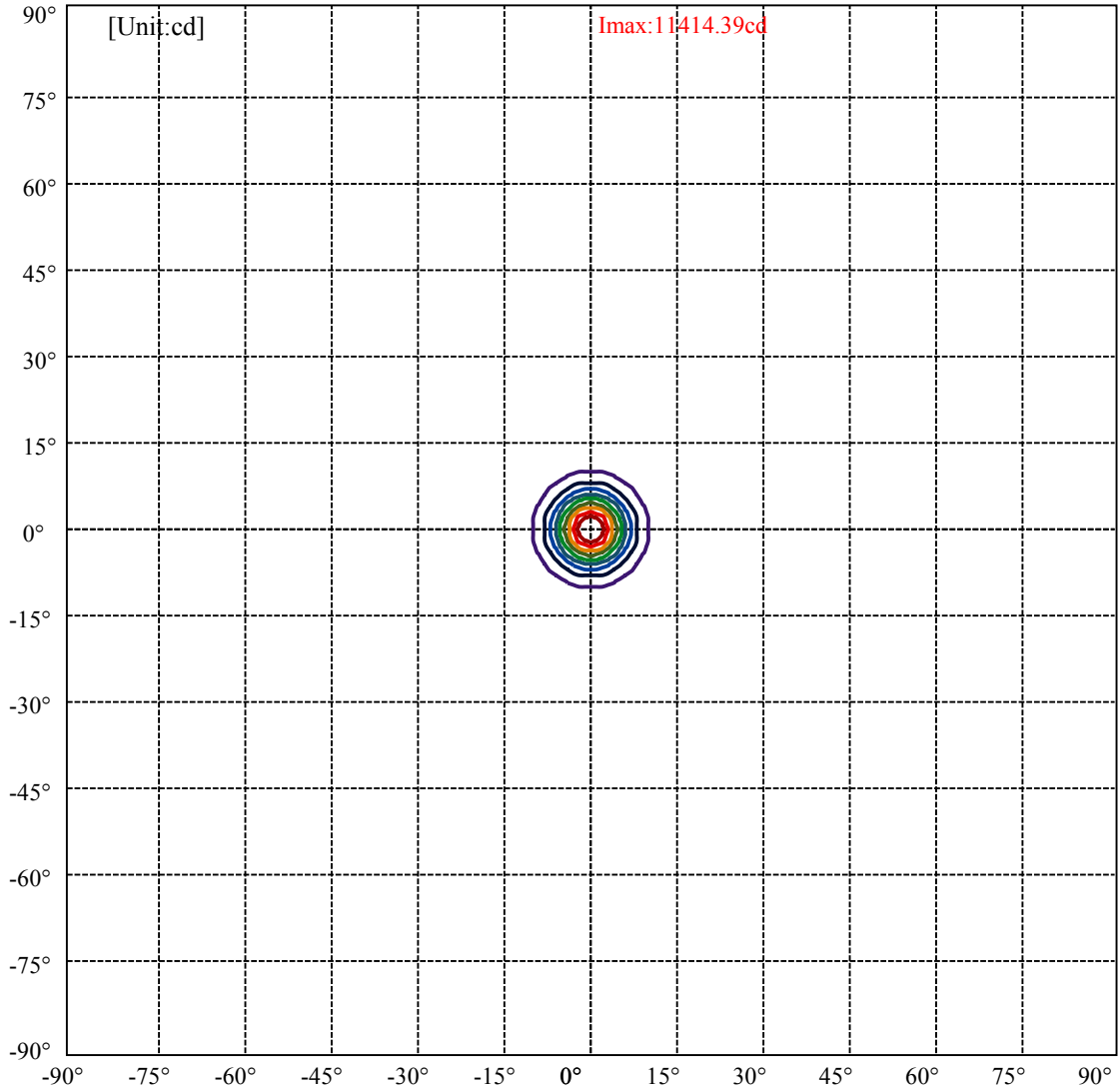
0-10	411.98
10-20	140.53
20-30	161.94
30-40	134.01
40-50	8.36
50-60	3.69
60-70	3.56
70-80	3.60
80-90	3.26
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



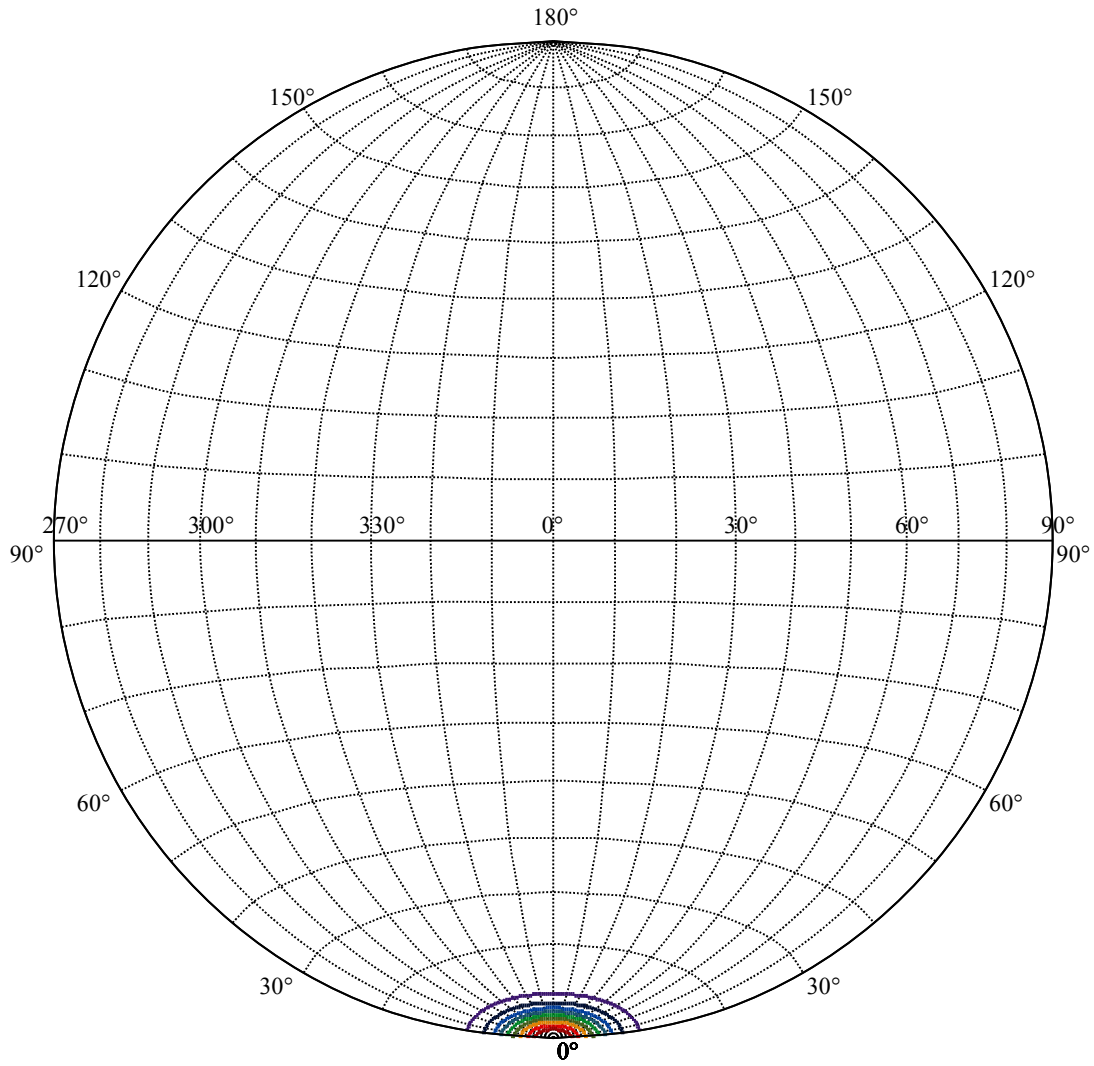
C0(Max): —————
C0/C180: —————
C90/C270: —————

Field angle(10%Imax):C0/180Left:10.0 Right:10.0
:C90/270Left:10.0 Right:10.0

Beam Angle(50%Imax):C0/180Left:5.3 Right:5.3
:C90/270Left:5.3 Right:5.3



(10%Imax) 1141.44	—
(20%Imax) 2282.88	—
(30%Imax) 3424.32	—
(40%Imax) 4565.76	—
(50%Imax) 5707.2	—
(60%Imax) 6848.63	—
(70%Imax) 7990.07	—
(80%Imax) 9131.51	—
(90%Imax) 10273	—



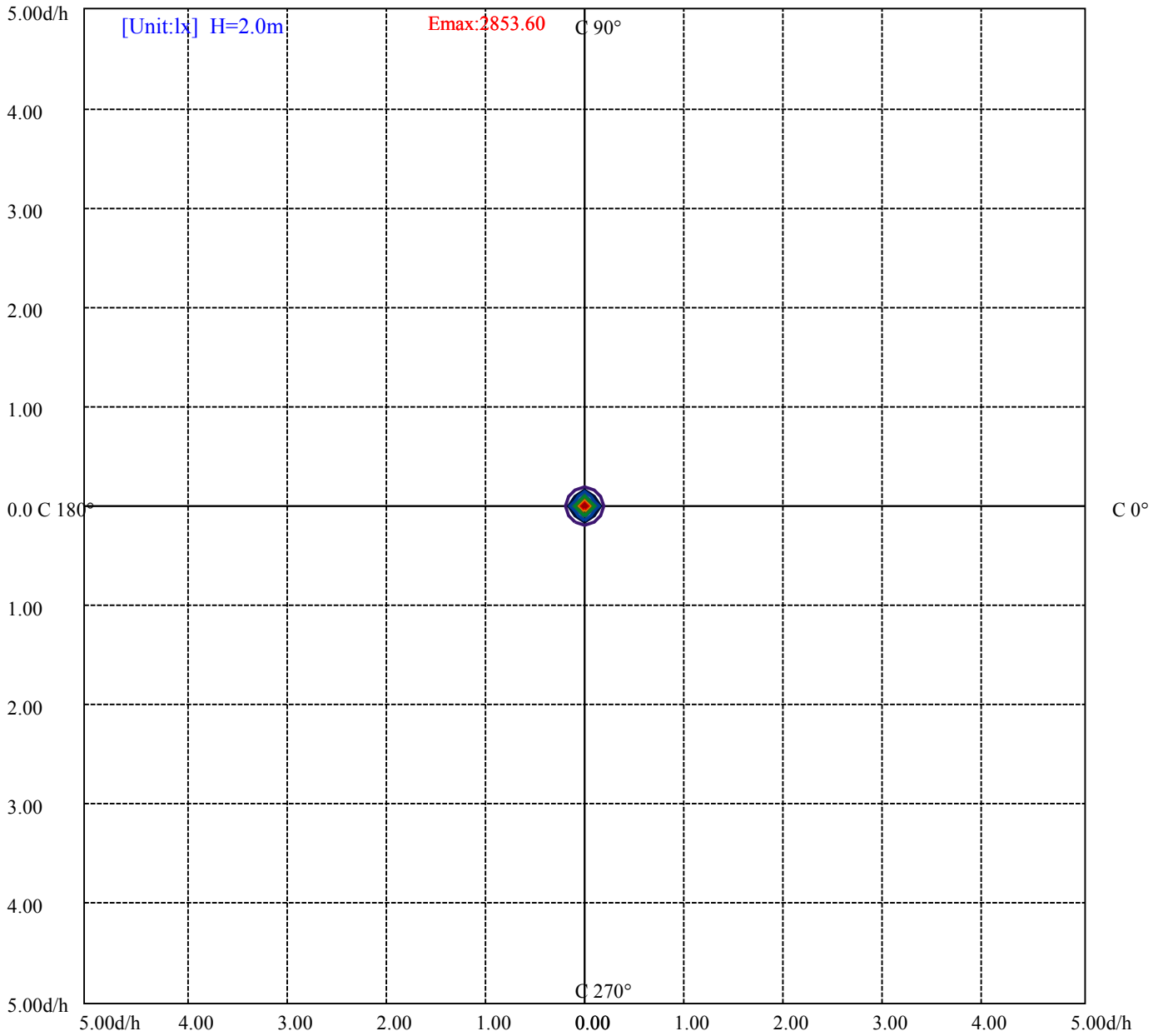
House

[Unit:cd]

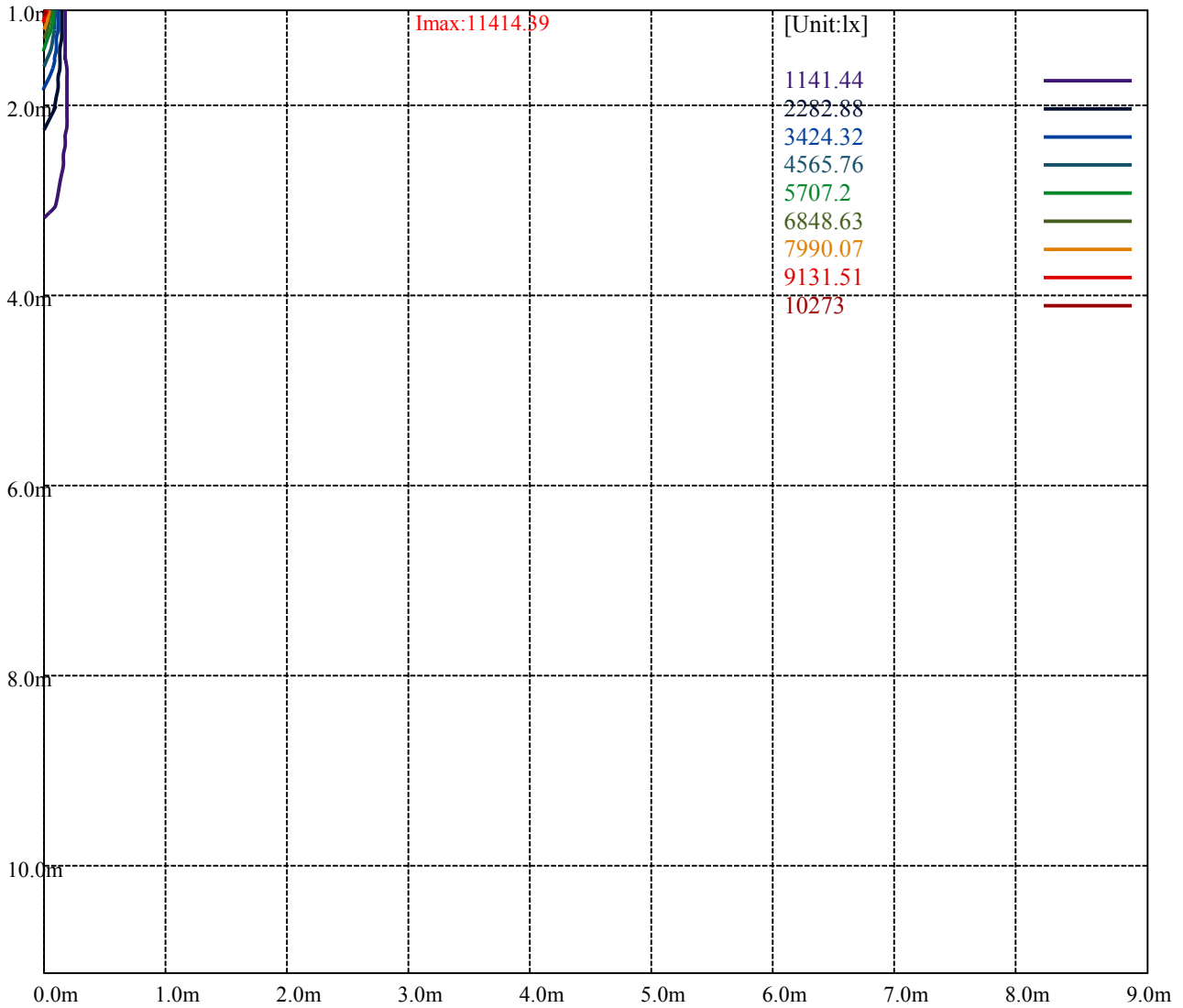
Road

Imax:11414.39

(10%Imax)	1141.44	—
(20%Imax)	2282.88	—
(30%Imax)	3424.32	—
(40%Imax)	4565.76	—
(50%Imax)	5707.2	—
(60%Imax)	6848.63	—
(70%Imax)	7990.07	—
(80%Imax)	9131.51	—
(90%Imax)	10273	—



- (10%Emax) 285.36
- (20%Emax) 570.7175
- (30%Emax) 856.0775
- (40%Emax) 1141.438
- (50%Emax) 1426.795
- (60%Emax) 1712.155
- (70%Emax) 1997.512
- (80%Emax) 2282.873
- (90%Emax) 2568.225



Luminance Table

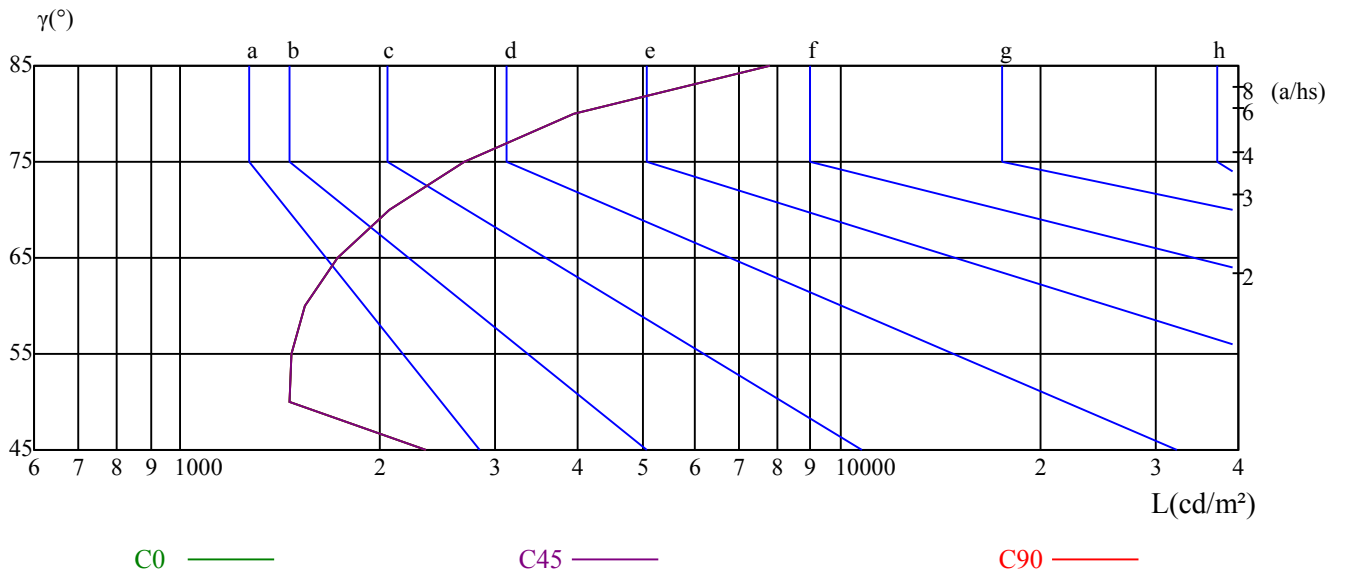
γ	45	50	55	60	65	70	75	80	85
C0	2360	1460	1469	1544	1732	2068	2683	3950	7820
C45	2360	1460	1469	1544	1732	2068	2683	3950	7820
C90	2360	1460	1469	1544	1732	2068	2683	3950	7820

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1732	1732	1732	2683	2683	2683	7820	7820	7820

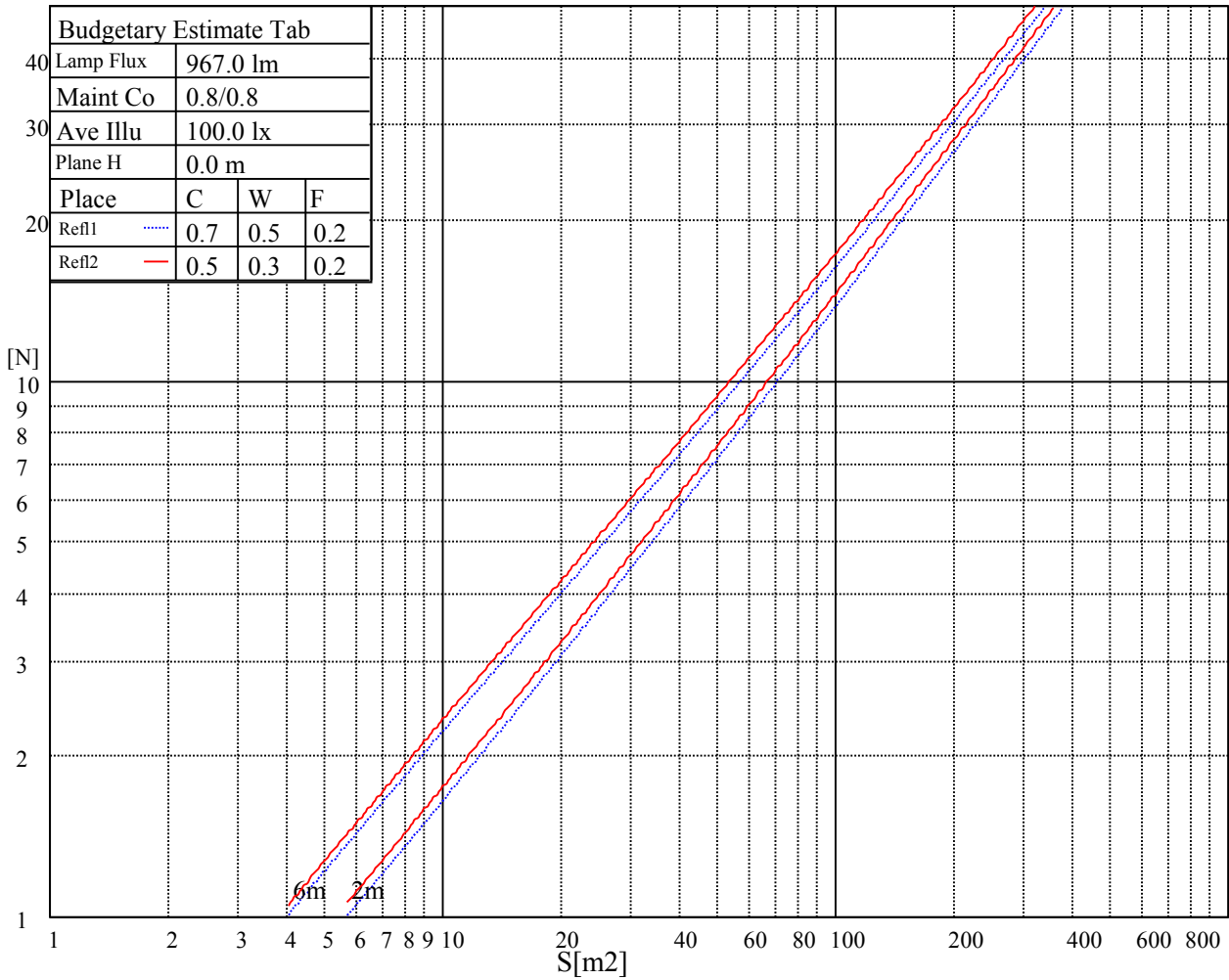
Glare Table

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

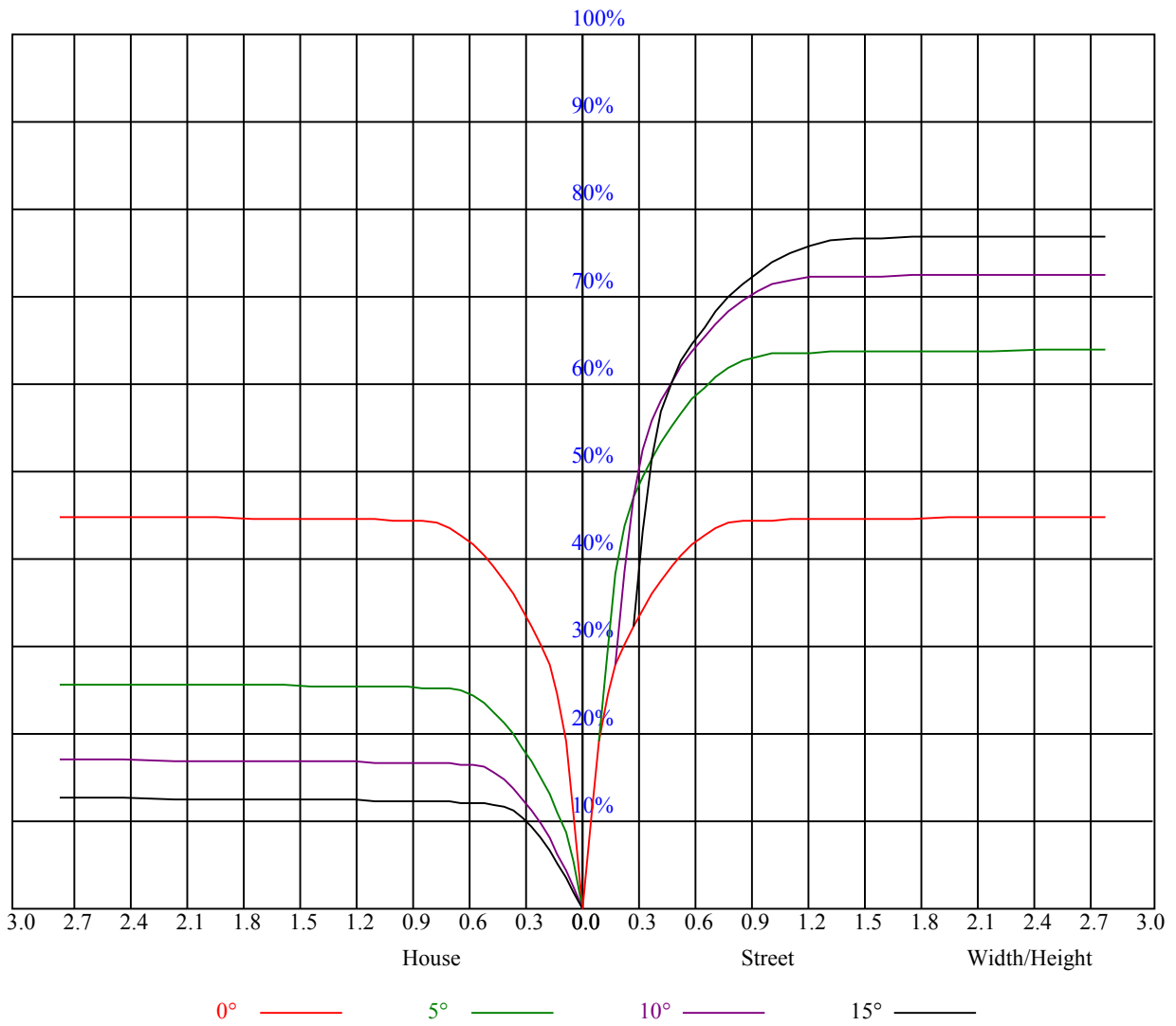
Luminance Limiting Curve



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	2.51	3.42	2.88	3.73	4.05	2.52	3.42	2.88	3.73	4.05
	3H	5.53	6.33	5.91	6.66	7.03	5.50	6.30	5.88	6.63	7.00
	4H	7.21	7.95	7.62	8.30	8.69	7.17	7.91	7.58	8.27	8.66
	6H	9.12	9.80	9.54	10.18	10.57	9.08	9.76	9.50	10.13	10.53
	8H	10.20	10.83	10.63	11.22	11.63	10.15	10.79	10.59	11.18	11.59
	12H	11.94	12.54	12.38	12.93	13.36	11.91	12.51	12.35	12.90	13.33
4H	2H	3.34	4.08	3.75	4.44	4.83	3.35	4.09	3.75	4.44	4.83
	3H	6.63	7.24	7.05	7.65	8.06	6.61	7.21	7.02	7.62	8.03
	4H	8.49	9.03	8.93	9.45	9.90	8.46	9.00	8.90	9.42	9.87
	6H	10.57	11.03	11.04	11.48	11.96	10.54	11.00	11.01	11.45	11.93
	8H	11.75	12.18	12.22	12.63	13.10	11.71	12.14	12.19	12.59	13.07
8H	12H	13.40	13.77	13.89	14.26	14.74	13.37	13.74	13.87	14.23	14.71
	4H	9.19	9.62	9.67	10.07	10.55	9.17	9.60	9.64	10.05	10.52
	6H	11.55	11.89	12.06	12.39	12.88	11.53	11.87	12.04	12.37	12.86
	8H	12.92	13.22	13.45	13.74	14.24	12.89	13.19	13.43	13.72	14.22
12H	12H	14.72	14.97	15.24	15.47	16.05	14.70	14.95	15.22	15.45	16.03
	4H	9.39	9.76	9.88	10.25	10.73	9.37	9.74	9.86	10.23	10.71
	6H	12.05	12.16	12.40	12.63	13.18	12.03	12.14	12.38	12.62	13.17
	8H	13.36	13.62	13.89	14.12	14.70	13.34	13.60	13.87	14.10	14.68
Variation with the observer position at spacings:											
S = 1.0H	5.3/-9.0					5.3/-9.0					
S = 1.5H	7.7/-6.9					7.7/-6.9					
S = 2.0H	9.2/-5.3					9.2/-5.3					
Standard tables:	BK2					BK2					
Uncorrected UGR	-1.3					-1.3					



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	1.08	1.08	1.08	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.92	0.92	0.92	0.90
1	1.01	0.99	0.97	0.99	0.97	0.96	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.86
2	0.96	0.93	0.90	0.94	0.92	0.89	0.92	0.89	0.87	0.89	0.87	0.86	0.87	0.85	0.84	0.83
3	0.91	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.86	0.84	0.82	0.84	0.82	0.81	0.79
4	0.88	0.84	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.81	0.79	0.78	0.76
5	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.80	0.78	0.75	0.79	0.77	0.75	0.74
6	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.73	0.78	0.75	0.73	0.77	0.74	0.72	0.71
7	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.74	0.71	0.68	0.73	0.70	0.68	0.67
9	0.73	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.72	0.69	0.66	0.71	0.68	0.66	0.65
10	0.71	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.65	0.69	0.66	0.64	0.64



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	11124.00	11818.13	12616.88	12504.38	11936.25	10800.00	8870.63	6885.00	5000.63
45.0	11716.88	12116.25	11851.88	10901.25	9568.13	7824.38	5512.50	3858.75	2885.63
90.0	11201.06	10848.38	9583.88	7726.50	5723.44	4093.88	2824.88	1775.25	1088.94
135.0	11615.63	10642.50	8803.13	6699.38	4905.00	3251.25	2964.38	1492.88	1100.25
180.0	11124.00	9429.19	7518.38	5415.19	3616.31	2458.13	1697.63	1089.39	860.96
225.0	11716.88	11041.31	9763.31	7868.81	5843.25	4188.38	2738.81	1807.31	1109.81
270.0	11201.06	11733.75	11475.00	10530.00	9185.63	7228.13	5259.38	3701.25	2908.13
315.0	11615.63	12217.50	12346.88	11135.25	10690.31	9164.25	7273.13	4976.44	3390.75
360.0	11124.00	11818.13	12616.88	12504.38	11936.25	10800.00	8870.63	6885.00	5000.63
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3065.63	2908.13	1396.69	1061.44	752.06	630.00	560.81	493.31	461.25
45.0	1627.31	1158.19	870.19	679.50	571.50	513.56	471.38	444.94	421.88
90.0	944.44	706.89	597.26	526.05	480.66	444.32	424.24	408.99	395.78
135.0	825.19	659.81	569.25	509.63	462.94	439.31	421.88	405.56	395.44
180.0	694.18	570.26	511.26	472.50	440.38	422.66	409.33	396.45	388.69
225.0	965.36	742.61	611.83	538.76	487.52	454.50	434.25	419.01	404.66
270.0	1597.50	1164.94	892.13	704.25	590.06	527.63	480.94	449.44	430.88
315.0	2241.56	1097.44	1018.35	787.73	637.59	551.19	503.66	465.41	441.28
360.0	3065.63	2908.13	1396.69	1061.44	752.06	630.00	560.81	493.31	461.25
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	441.00	420.19	405.56	396.56	384.75	375.75	367.88	358.88	353.25
45.0	405.00	394.31	383.63	374.63	367.31	360.56	353.25	348.19	343.13
90.0	385.20	377.33	369.62	362.42	356.40	349.82	344.25	338.34	333.11
135.0	385.31	376.88	369.00	361.69	354.94	348.75	344.25	339.75	335.25
180.0	379.63	371.19	365.85	359.10	351.84	346.95	342.00	335.93	332.10
225.0	395.10	386.83	378.34	370.24	363.54	356.40	350.16	345.38	340.48
270.0	417.38	403.88	392.63	383.06	374.06	365.63	358.88	352.69	347.63
315.0	421.54	406.13	394.93	384.53	375.98	368.38	361.01	352.46	346.44
360.0	441.00	420.19	405.56	396.56	384.75	375.75	367.88	358.88	353.25
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	347.63	340.88	336.38	331.88	326.25	319.50	315.00	309.94	304.31
45.0	337.50	331.88	327.38	320.63	314.44	309.94	304.88	298.69	293.06
90.0	328.73	324.51	316.80	311.91	307.13	299.64	294.36	280.24	239.23
135.0	330.75	323.44	318.94	315.00	308.25	302.63	295.88	285.19	206.44
180.0	326.25	320.46	315.51	311.18	303.92	296.55	269.27	224.49	176.18
225.0	336.21	330.58	323.94	319.39	315.23	309.09	303.53	291.54	242.78
270.0	342.00	336.38	332.44	326.81	319.50	315.00	311.63	304.31	298.69
315.0	341.04	336.04	330.47	326.08	318.94	312.92	308.36	302.96	296.78
360.0	347.63	340.88	336.38	331.88	326.25	319.50	315.00	309.94	304.31
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	298.69	288.56	264.43	202.33	145.24	96.98	52.14	23.40	17.21
45.0	286.88	222.64	178.20	124.82	73.24	35.21	17.27	14.63	11.81
90.0	186.75	141.64	90.06	45.34	20.48	13.56	10.91	7.82	6.19
135.0	159.24	105.69	57.49	26.38	13.89	11.53	8.44	6.36	5.12
180.0	119.59	68.01	33.36	14.51	11.70	9.06	6.81	5.46	5.01
225.0	197.16	149.06	95.46	45.23	21.04	14.46	11.98	8.89	7.20
270.0	286.88	232.09	178.09	129.71	75.43	38.53	18.17	15.41	12.71
315.0	288.28	257.18	208.97	154.35	106.20	58.16	26.94	16.03	13.67
360.0	298.69	288.56	264.43	202.33	145.24	96.98	52.14	23.40	17.21

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	14.57	11.59	10.07	5.46	5.06	4.89	4.78	4.61	4.56
45.0	9.68	7.03	5.12	4.95	4.84	4.67	4.61	4.50	4.39
90.0	5.06	4.89	4.73	4.61	4.50	4.44	4.33	4.28	4.16
135.0	4.89	4.78	4.73	4.56	4.44	4.39	4.28	4.22	4.11
180.0	4.89	4.73	4.61	4.50	4.44	4.33	4.22	4.16	4.05
225.0	5.29	5.06	4.89	4.84	4.67	4.56	4.44	4.39	4.28
270.0	10.07	7.71	5.12	5.01	4.78	4.73	4.56	4.50	4.39
315.0	10.97	8.83	5.63	5.06	4.89	4.78	4.61	4.56	4.44
360.0	14.57	11.59	10.07	5.46	5.06	4.89	4.78	4.61	4.56
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.44	4.33	4.22	4.16	4.05	3.94	3.94	3.83	3.77
45.0	4.33	4.22	4.16	4.05	3.99	3.94	3.88	3.83	3.71
90.0	4.05	3.99	3.94	3.83	3.83	3.77	3.71	3.66	3.60
135.0	4.05	3.99	3.88	3.83	3.77	3.71	3.66	3.60	3.60
180.0	3.99	3.88	3.83	3.77	3.77	3.71	3.66	3.60	3.60
225.0	4.22	4.11	4.05	3.88	3.88	3.83	3.77	3.77	3.71
270.0	4.28	4.22	4.11	3.99	3.94	3.88	3.83	3.77	3.71
315.0	4.33	4.28	4.11	4.05	3.99	3.88	3.83	3.77	3.71
360.0	4.44	4.33	4.22	4.16	4.05	3.94	3.94	3.83	3.77
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	3.71	3.66	3.60	3.60	3.60	3.54	3.54	3.49	3.49
45.0	3.71	3.66	3.66	3.60	3.60	3.54	3.49	3.49	3.49
90.0	3.60	3.60	3.60	3.54	3.54	3.49	3.43	3.49	3.43
135.0	3.54	3.54	3.54	3.54	3.43	3.43	3.43	3.43	3.43
180.0	3.54	3.54	3.49	3.49	3.49	3.49	3.43	3.43	3.43
225.0	3.66	3.60	3.60	3.54	3.49	3.49	3.49	3.49	3.43
270.0	3.71	3.66	3.60	3.60	3.54	3.49	3.49	3.49	3.43
315.0	3.66	3.66	3.60	3.60	3.54	3.49	3.49	3.43	3.43
360.0	3.71	3.66	3.60	3.60	3.60	3.54	3.54	3.49	3.49
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	3.43	3.43	3.43	3.43	3.43	3.38	3.38	3.32	3.38
45.0	3.43	3.49	3.43	3.43	3.38	3.38	3.38	3.38	3.38
90.0	3.43	3.43	3.43	3.43	3.43	3.38	3.43	3.38	3.38
135.0	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.32	3.38
180.0	3.38	3.38	3.32	3.38	3.38	3.32	3.38	3.32	3.32
225.0	3.43	3.43	3.38	3.38	3.43	3.38	3.38	3.38	3.38
270.0	3.49	3.43	3.49	3.43	3.43	3.43	3.38	3.38	3.38
315.0	3.43	3.43	3.38	3.38	3.38	3.38	3.38	3.32	3.32
360.0	3.43	3.43	3.43	3.43	3.43	3.38	3.38	3.32	3.38
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.38	3.32	3.32	3.32	3.32	3.32	3.32	3.26	3.32
45.0	3.38	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.26
90.0	3.43	3.38	3.38	3.38	3.32	3.26	3.26	3.26	3.26
135.0	3.32	3.32	3.32	3.32	3.32	3.26	3.26	3.32	3.26
180.0	3.32	3.32	3.32	3.32	3.38	3.26	3.26	3.26	3.26
225.0	3.32	3.38	3.38	3.32	3.38	3.38	3.32	3.32	3.32
270.0	3.38	3.38	3.38	3.38	3.38	3.32	3.38	3.32	3.32
315.0	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.26
360.0	3.38	3.32	3.32	3.32	3.32	3.32	3.32	3.26	3.32

Intensity data(cd)

C/γ(°)	90.0
0.0	3.26
45.0	3.32
90.0	3.26
135.0	3.26
180.0	3.32
225.0	3.32
270.0	3.26
315.0	3.26
360.0	3.26