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NATA

LumCAT: 3-2031-M	
Luminaire: 92.70.124.00	
Report No: NATA0100	Voltage(V): 22.5000
Test No: GC2019022211	Current(A): 0.3000
LampCAT: BMTC MA-1313 LES11	Power (W): 6.7500
Lamp flux(lm): 718.0	PF: 0.0000
Number of Lamps: 1	Ballast type: DC
Length(mm): 79	Width(mm): 79
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 630.57
Efficiency(%): 87.82%
Lumens(lm)/Power(W): 93.70
Central intensity(cd): 8055.563
Maximum intensity(cd): 8055.563
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=10.7
 [C90/270]Total=10.7
Field angle(10%Imax): [C0/180]Total=20.9
 [C90/270]Total=20.9
Maximum s/h(1/2): C0_180=0.19 C90_270=0.19
Maximum s/h(1/4): C0_180=0.19 C90_270=0.19
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 88.09%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.491%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	8055.563	1.927	1.927	.268%	.306%
1.0	7852.570	15.029	16.956	2.093%	2.689%
2.0	7291.758	27.906	44.862	3.887%	7.115%
3.0	6394.430	36.699	81.561	5.111%	12.935%
4.0	5382.352	41.173	122.734	5.734%	19.464%
5.0	4370.555	41.772	164.506	5.818%	26.088%
6.0	3433.430	39.356	203.862	5.481%	32.330%
7.0	2521.477	33.698	237.56	4.693%	37.674%
8.0	1794.825	27.392	264.952	3.815%	42.018%
9.0	1231.763	21.131	286.083	2.943%	45.369%
10.0	907.734	17.285	303.368	2.407%	48.110%
11.0	692.438	14.489	317.857	2.018%	50.408%
12.0	553.556	12.621	330.478	1.758%	52.409%
13.0	460.877	11.369	341.847	1.583%	54.212%
14.0	402.891	10.688	352.535	1.489%	55.907%
15.0	365.231	10.366	362.901	1.444%	57.551%
16.0	338.850	10.242	373.144	1.427%	59.176%
17.0	321.954	10.322	383.466	1.438%	60.813%
18.0	308.925	10.469	393.935	1.458%	62.473%
19.0	298.941	10.673	404.608	1.486%	64.165%
20.0	289.962	10.875	415.483	1.515%	65.890%
21.0	282.340	11.096	426.579	1.545%	67.650%
22.0	274.591	11.280	437.859	1.571%	69.439%
23.0	268.566	11.507	449.366	1.603%	71.263%
24.0	261.513	11.664	461.03	1.625%	73.113%
25.0	256.289	11.878	472.908	1.654%	74.997%
26.0	251.859	12.107	485.016	1.686%	76.917%
27.0	247.402	12.317	497.332	1.715%	78.870%
28.0	243.239	12.523	509.855	1.744%	80.856%
29.0	238.866	12.699	522.554	1.769%	82.870%
30.0	234.738	12.871	535.425	1.793%	84.911%
31.0	230.752	13.033	548.458	1.815%	86.978%
32.0	225.830	13.123	561.581	1.828%	89.059%
33.0	217.610	12.997	574.578	1.810%	91.120%
34.0	200.067	12.268	586.846	1.709%	93.066%
35.0	168.040	10.570	597.416	1.472%	94.742%
36.0	125.058	8.061	605.477	1.123%	96.021%
37.0	83.046	5.481	610.957	.763%	96.890%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	44.852	3.028	613.986	.422%	97.370%
39.0	20.686	1.428	615.413	.199%	97.596%
40.0	11.264	0.794	616.207	.111%	97.722%
41.0	8.100	0.583	616.79	.081%	97.815%
42.0	6.124	0.449	617.239	.063%	97.886%
43.0	5.245	0.392	617.632	.055%	97.948%
44.0	4.788	0.365	617.996	.051%	98.006%
45.0	4.584	0.355	618.352	.050%	98.062%
46.0	4.416	0.348	618.7	.049%	98.118%
47.0	4.226	0.339	619.039	.047%	98.171%
48.0	4.085	0.333	619.372	.046%	98.224%
49.0	3.930	0.325	619.697	.045%	98.276%
50.0	3.804	0.320	620.017	.045%	98.326%
51.0	3.670	0.313	620.33	.044%	98.376%
52.0	3.558	0.307	620.637	.043%	98.425%
53.0	3.459	0.303	620.94	.042%	98.473%
54.0	3.354	0.298	621.238	.041%	98.520%
55.0	3.248	0.292	621.529	.041%	98.566%
56.0	3.150	0.286	621.816	.040%	98.612%
57.0	3.073	0.283	622.098	.039%	98.656%
58.0	3.002	0.279	622.378	.039%	98.701%
59.0	2.939	0.276	622.654	.038%	98.745%
60.0	2.883	0.274	622.928	.038%	98.788%
61.0	2.813	0.270	623.197	.038%	98.831%
62.0	2.763	0.268	623.465	.037%	98.873%
63.0	2.728	0.267	623.731	.037%	98.915%
64.0	2.686	0.265	623.996	.037%	98.957%
65.0	2.651	0.263	624.26	.037%	98.999%
66.0	2.637	0.264	624.524	.037%	99.041%
67.0	2.580	0.260	624.784	.036%	99.082%
68.0	2.552	0.260	625.044	.036%	99.124%
69.0	2.531	0.259	625.303	.036%	99.165%
70.0	2.524	0.260	625.563	.036%	99.206%
71.0	2.496	0.259	625.822	.036%	99.247%
72.0	2.468	0.257	626.079	.036%	99.288%
73.0	2.454	0.257	626.337	.036%	99.329%
74.0	2.447	0.258	626.594	.036%	99.370%
75.0	2.440	0.258	626.853	.036%	99.410%

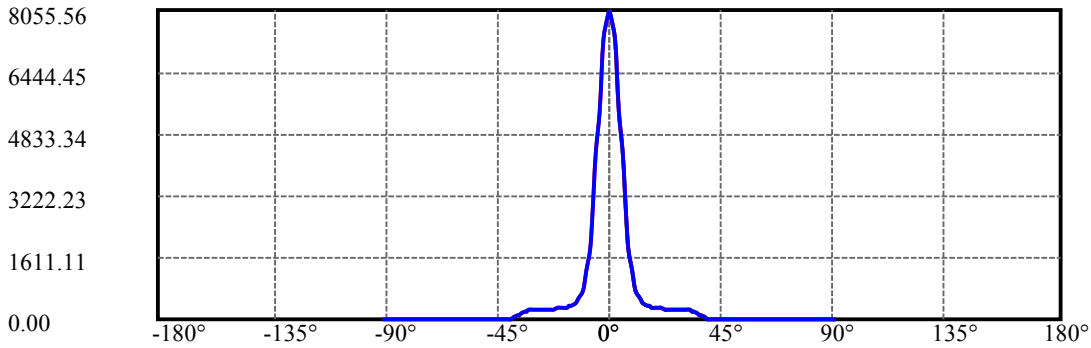
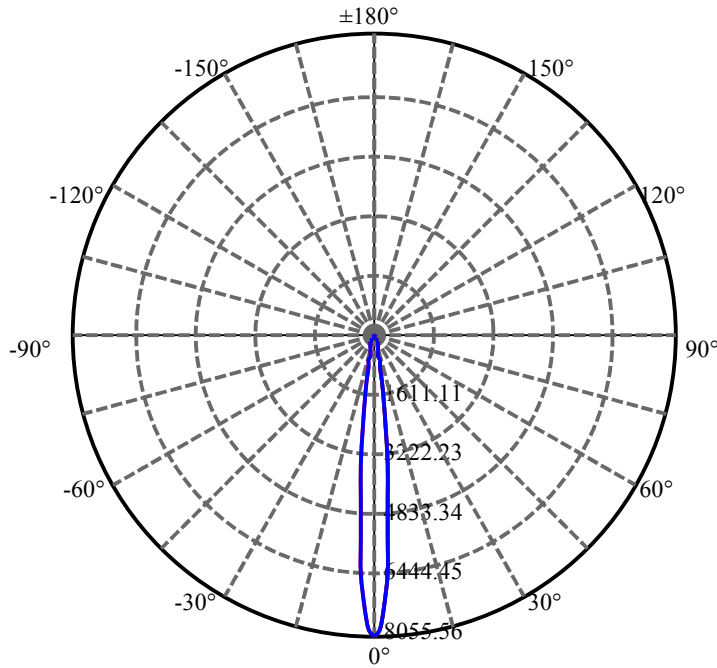
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	2.426	0.258	627.111	.036%	99.451%
77.0	2.419	0.258	627.369	.036%	99.492%
78.0	2.391	0.256	627.626	.036%	99.533%
79.0	2.398	0.258	627.884	.036%	99.574%
80.0	2.384	0.257	628.141	.036%	99.615%
81.0	2.377	0.257	628.399	.036%	99.656%
82.0	2.363	0.257	628.655	.036%	99.696%
83.0	2.377	0.259	628.914	.036%	99.737%
84.0	2.348	0.256	629.17	.036%	99.778%
85.0	2.348	0.257	629.427	.036%	99.819%
86.0	2.341	0.256	629.683	.036%	99.859%
87.0	2.320	0.254	629.937	.035%	99.900%
88.0	2.313	0.254	630.19	.035%	99.940%
89.0	2.306	0.253	630.443	.035%	99.980%
90.0	2.313	0.127	630.57	.018%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	535.43	74.57%	84.91%
0-40	616.21	85.82%	97.72%
0-60	622.93	86.76%	98.79%
0-90	630.44	87.81%	99.98%
0-120	630.44	87.81%	99.98%
0-180	630.57	87.82%	100.00%
60-90	7.79	1.08%	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%
0-27.57	504.46	70.26%	80.00%

ZONAL LUMEN SUMMARY

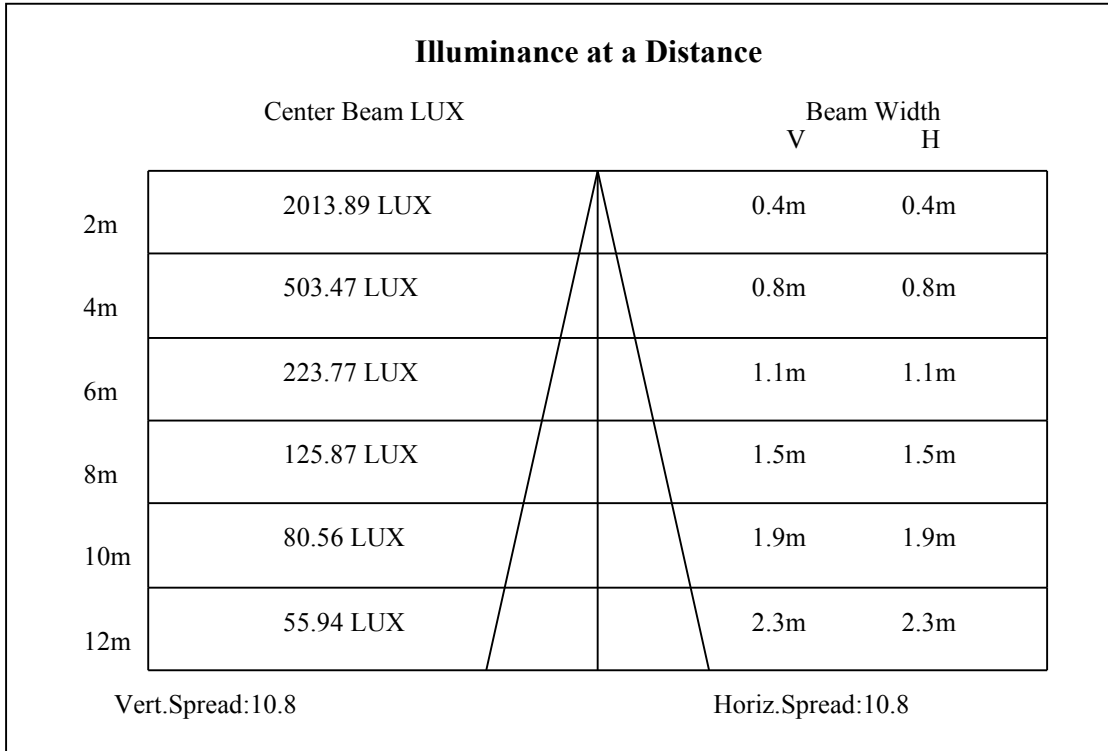
0-10	303.37
10-20	112.11
20-30	119.94
30-40	80.78
40-50	3.81
50-60	2.91
60-70	2.64
70-80	2.58
80-90	2.30
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

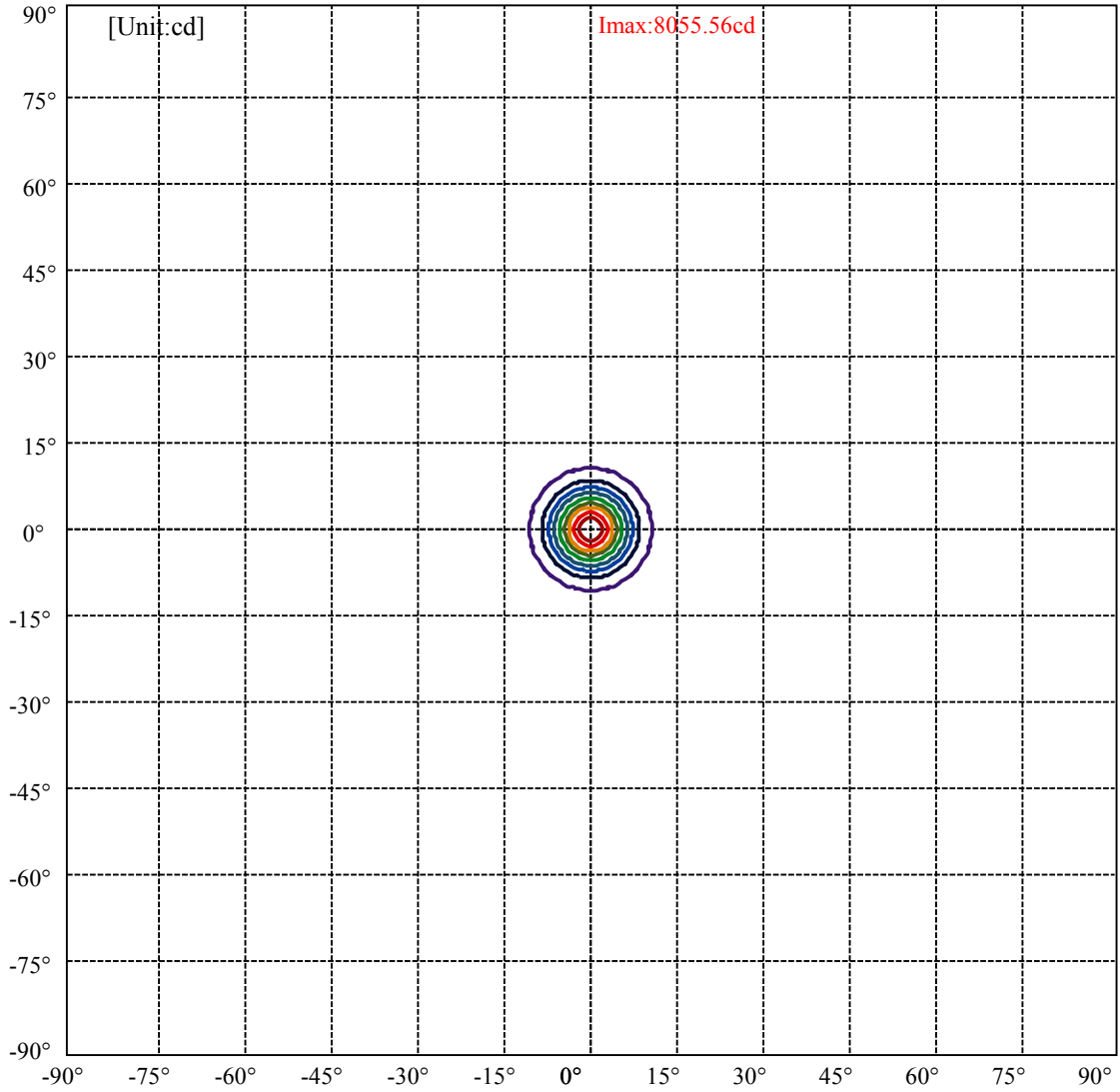


C0(Max): —————
C0/C180: —————
C90/C270: —————

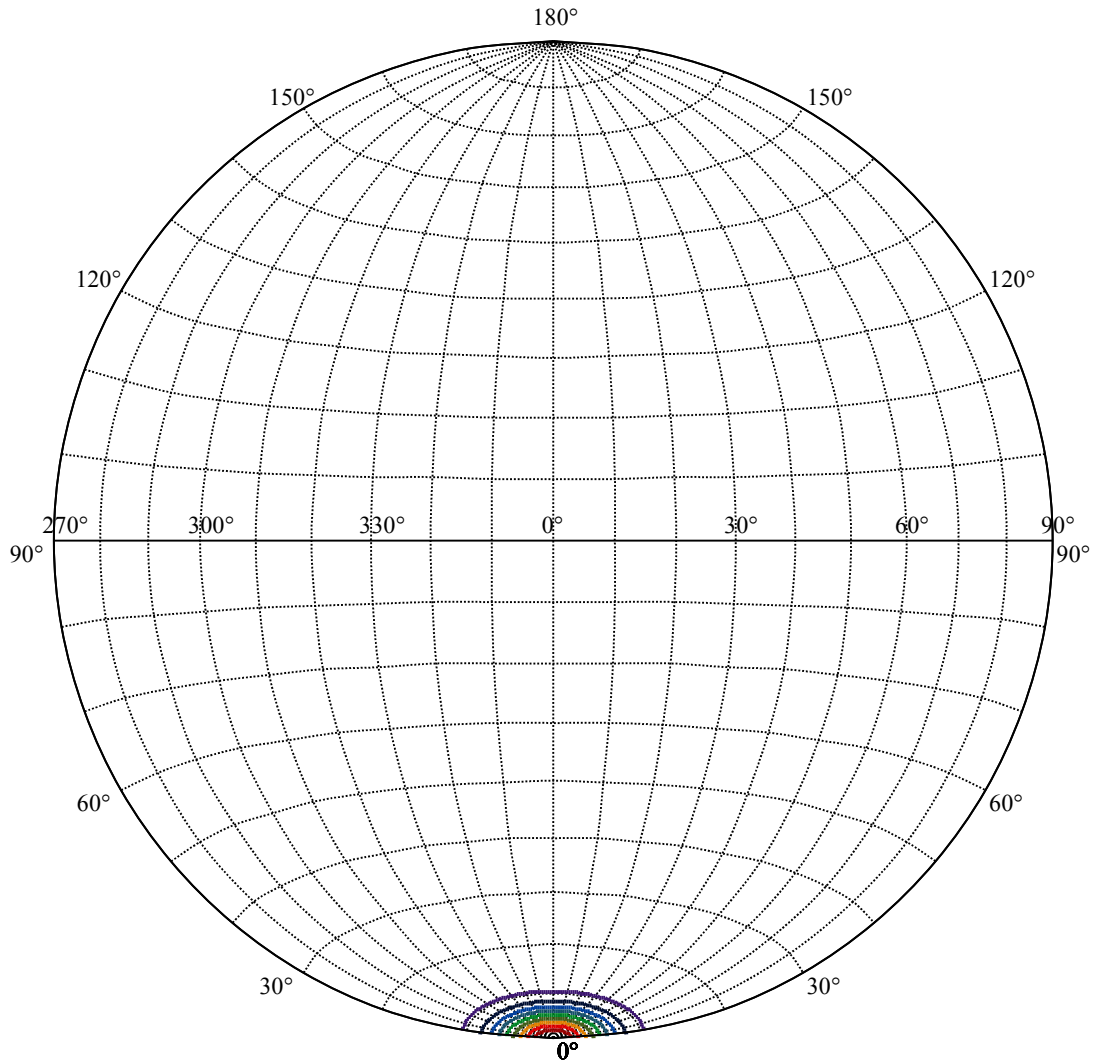
Field angle(10%Imax):C0/180Left:10.5 Right:10.5
:C90/270Left:10.5 Right:10.5

Beam Angle(50%Imax):C0/180Left:5.4 Right:5.4
:C90/270Left:5.4 Right:5.4





(10%I _{max}) 805.556	—
(20%I _{max}) 1611.11	—
(30%I _{max}) 2416.67	—
(40%I _{max}) 3222.23	—
(50%I _{max}) 4027.78	—
(60%I _{max}) 4833.34	—
(70%I _{max}) 5638.89	—
(80%I _{max}) 6444.45	—
(90%I _{max}) 7250.01	—



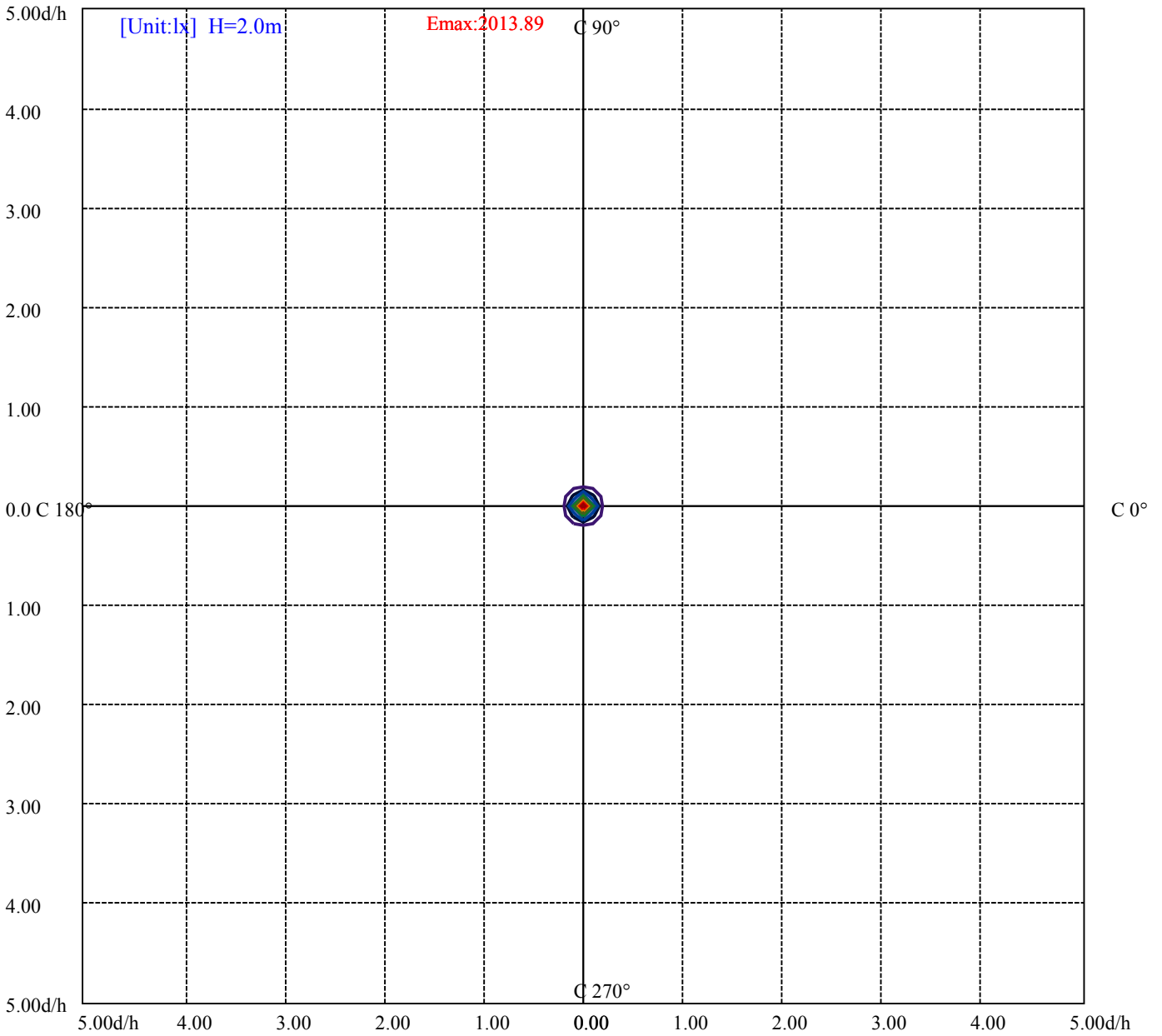
House

[Unit:cd]

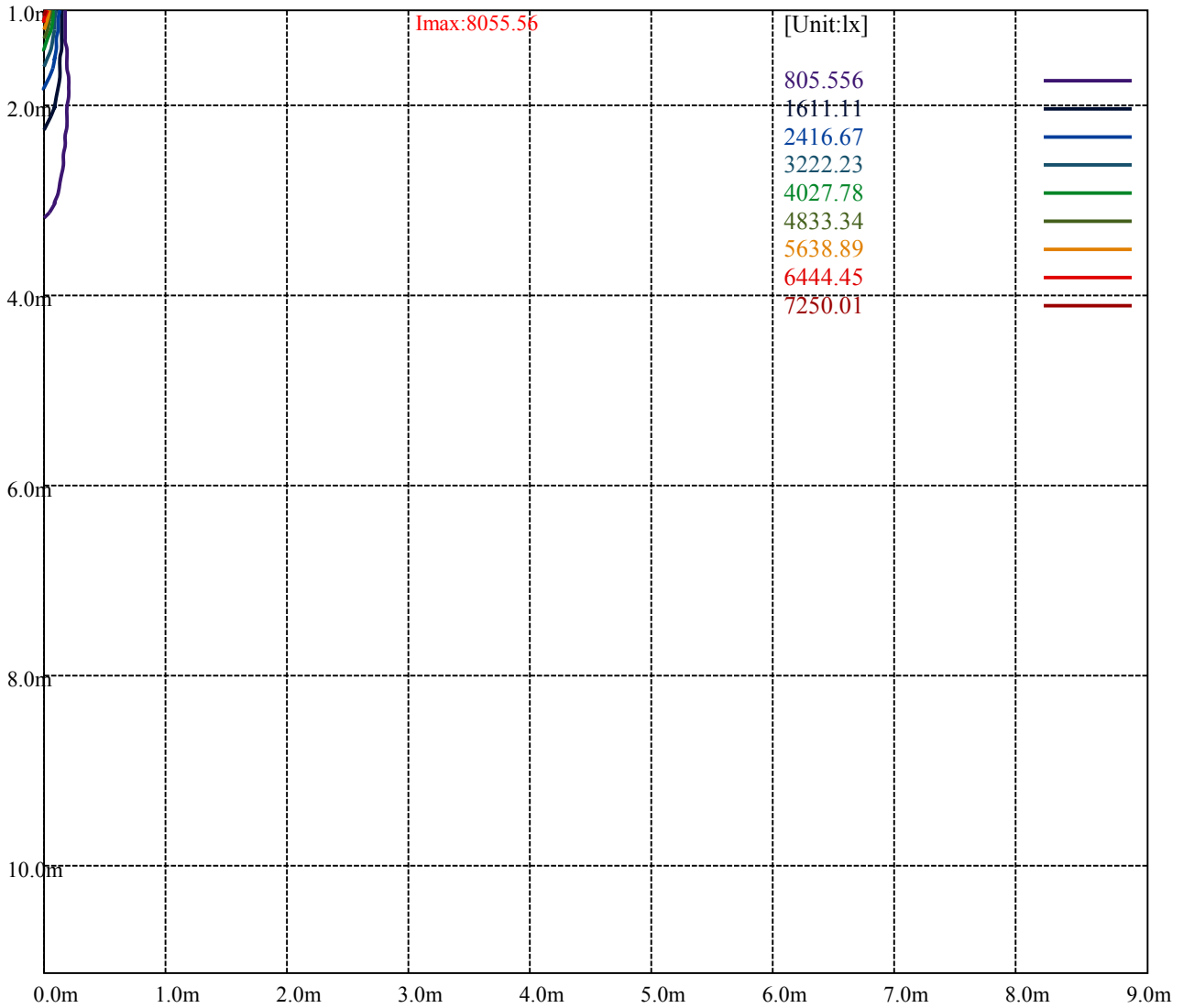
Road

Imax:8055.56

(10%Imax)	805.556	—
(20%Imax)	1611.11	—
(30%Imax)	2416.67	—
(40%Imax)	3222.23	—
(50%Imax)	4027.78	—
(60%Imax)	4833.34	—
(70%Imax)	5638.89	—
(80%Imax)	6444.45	—
(90%Imax)	7250.01	—



- (10%Emax) 201.3882
- (20%Emax) 402.7775
- (30%Emax) 604.165
- (40%Emax) 805.5525
- (50%Emax) 1006.943
- (60%Emax) 1208.33
- (70%Emax) 1409.718
- (80%Emax) 1611.108
- (90%Emax) 1812.495



Luminance Table

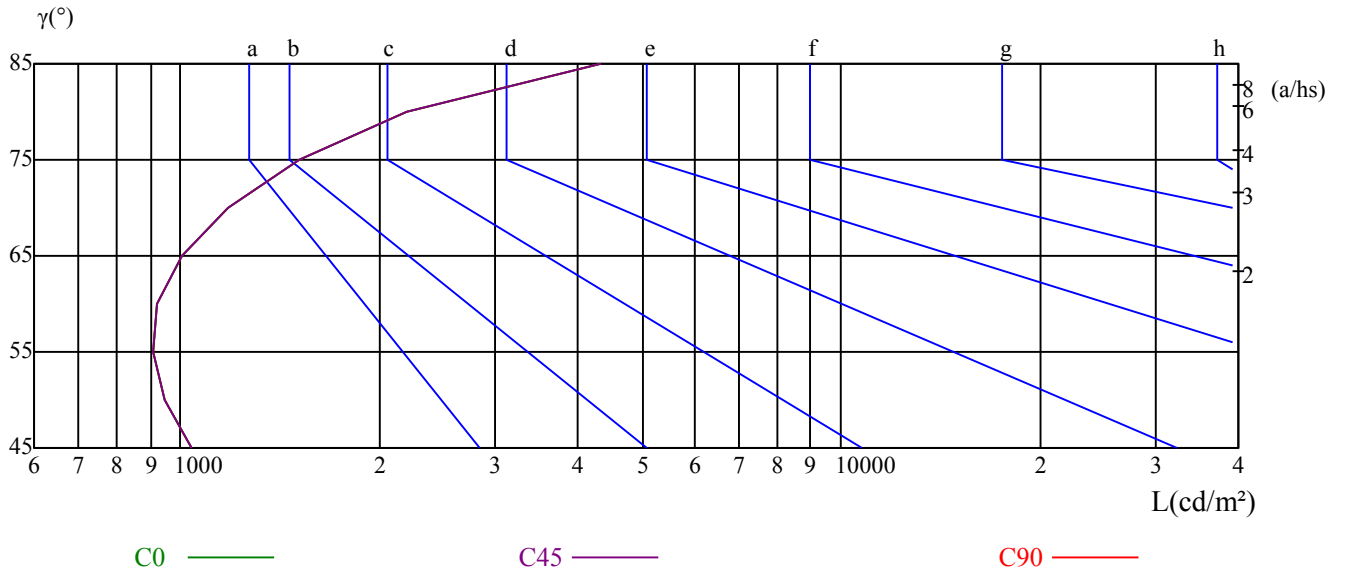
γ	45	50	55	60	65	70	75	80	85
C0	1039	948	907	924	1005	1183	1510	2199	4317
C45	1039	948	907	924	1005	1183	1510	2199	4317
C90	1039	948	907	924	1005	1183	1510	2199	4317

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1005	1005	1005	1510	1510	1510	4317	4317	4317

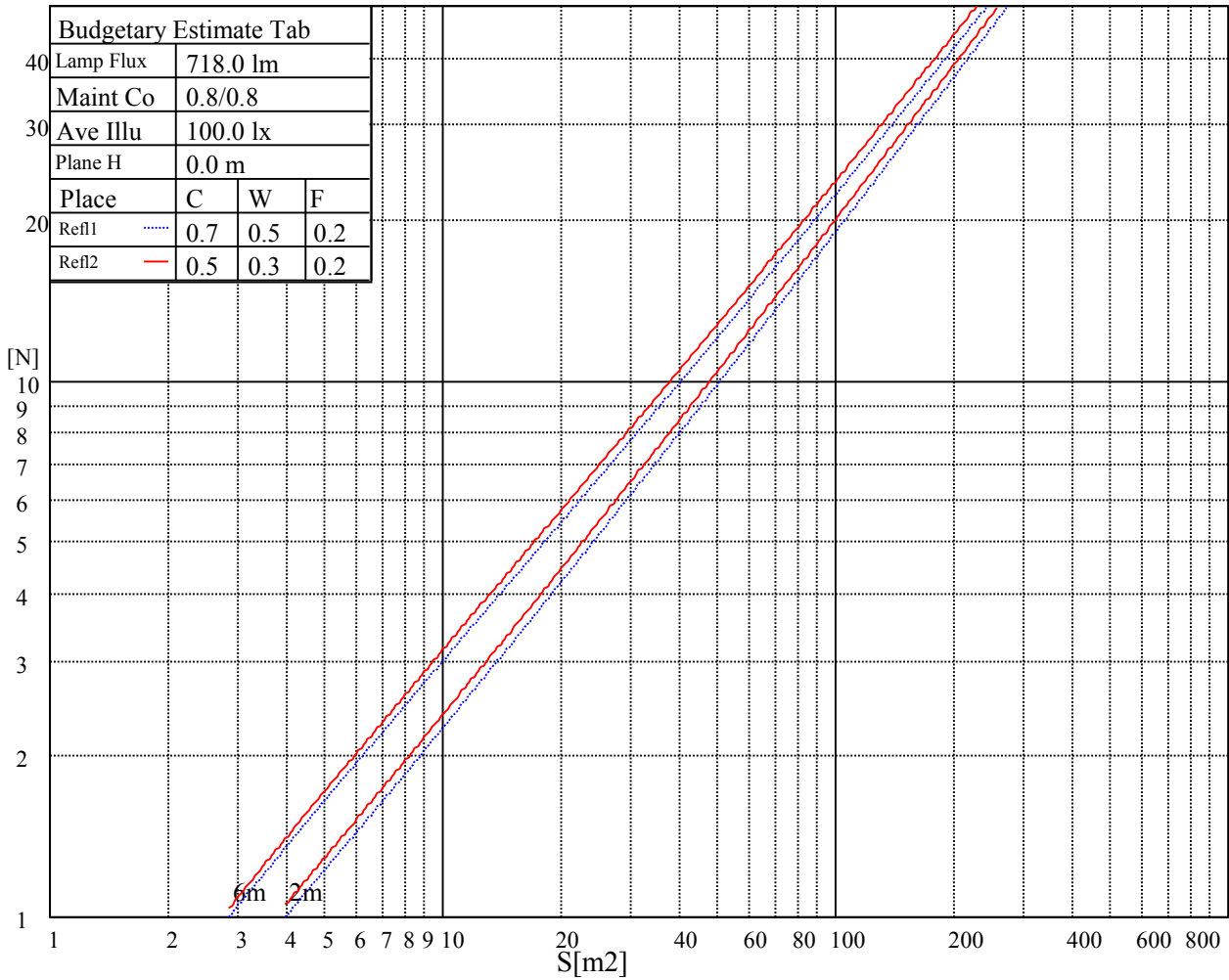
Glare Table

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

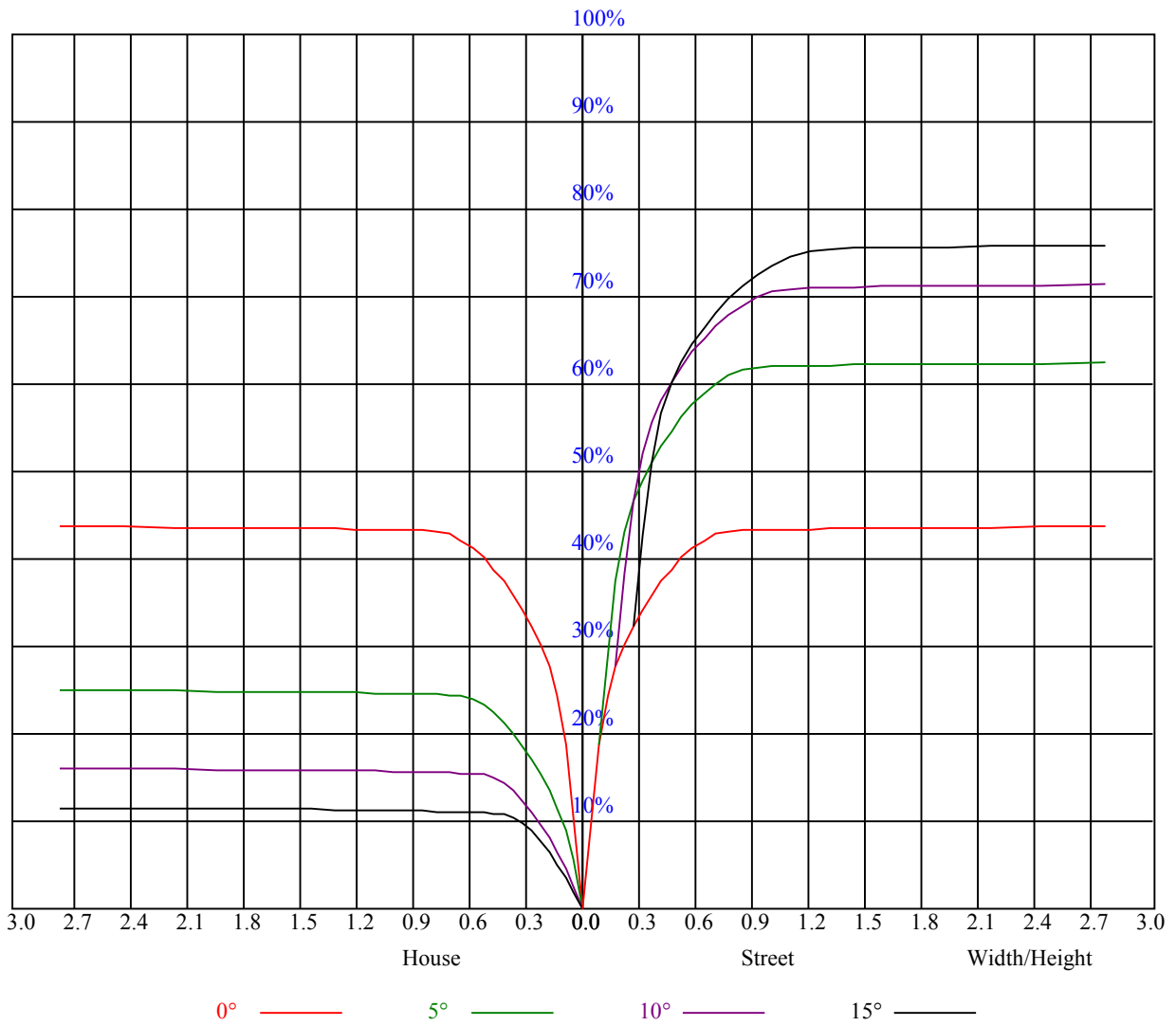
Luminance Limiting Curve



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	2.17	3.07	2.53	3.38	3.70	2.14	3.05	2.51	3.36	3.67
	3H	4.92	5.71	5.30	6.05	6.42	4.91	5.71	5.30	6.05	6.42
	4H	6.48	7.22	6.89	7.57	7.96	6.48	7.22	6.89	7.57	7.96
	6H	8.31	8.98	8.73	9.36	9.76	8.29	8.96	8.71	9.34	9.73
	8H	9.34	9.97	9.77	10.36	10.77	9.31	9.94	9.75	10.33	10.75
	12H	11.02	11.63	11.46	12.01	12.44	11.00	11.60	11.44	11.99	12.42
4H	2H	2.90	3.64	3.31	4.00	4.39	2.88	3.62	3.29	3.98	4.37
	3H	5.96	6.56	6.37	6.97	7.38	5.95	6.55	6.36	6.96	7.37
	4H	7.71	8.25	8.15	8.68	9.13	7.71	8.25	8.15	8.67	9.12
	6H	9.71	10.17	10.18	10.62	11.10	9.69	10.15	10.17	10.61	11.08
	8H	10.85	11.28	11.33	11.73	12.21	10.83	11.25	11.30	11.71	12.18
8H	12H	12.46	12.82	12.95	13.31	13.79	12.44	12.80	12.93	13.29	13.77
	4H	8.38	8.81	8.86	9.26	9.74	8.38	8.81	8.85	9.26	9.73
	6H	10.66	11.00	11.17	11.50	11.99	10.65	10.98	11.16	11.49	11.97
	8H	12.00	12.29	12.53	12.82	13.32	11.97	12.27	12.51	12.80	13.29
12H	12H	13.76	14.01	14.28	14.51	15.09	13.74	14.00	14.26	14.49	15.08
	4H	8.57	8.93	9.06	9.43	9.90	8.57	8.93	9.06	9.42	9.90
	6H	11.15	11.26	11.50	11.73	12.28	11.13	11.25	11.48	11.72	12.27
	8H	12.43	12.68	12.95	13.18	13.76	12.41	12.66	12.93	13.16	13.74
Variation with the observer position at spacings:											
S = 1.0H	5.9/-8.4					5.9/-8.4					
S = 1.5H	8.2/-6.3					8.2/-6.3					
S = 2.0H	9.7/-4.9					9.7/-4.9					
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	1.05	1.05	1.05	1.02	1.02	1.02	0.98	0.98	0.98	0.94	0.94	0.94	0.90	0.90	0.90	0.88
1	0.99	0.97	0.95	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.84
2	0.94	0.91	0.89	0.92	0.90	0.88	0.90	0.87	0.86	0.87	0.85	0.84	0.85	0.83	0.82	0.81
3	0.90	0.86	0.83	0.88	0.85	0.83	0.86	0.84	0.81	0.84	0.82	0.80	0.82	0.81	0.79	0.78
4	0.86	0.82	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.82	0.79	0.77	0.80	0.78	0.76	0.75
5	0.83	0.79	0.76	0.82	0.78	0.76	0.80	0.77	0.75	0.79	0.76	0.74	0.78	0.76	0.74	0.73
6	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.77	0.74	0.72	0.76	0.73	0.71	0.70
7	0.77	0.73	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.70	0.74	0.71	0.69	0.68
8	0.75	0.71	0.68	0.74	0.71	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.67
9	0.73	0.69	0.66	0.72	0.69	0.66	0.72	0.68	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.65
10	0.71	0.67	0.65	0.70	0.67	0.65	0.70	0.67	0.64	0.69	0.66	0.64	0.69	0.66	0.64	0.63



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	7921.69	8250.19	8128.69	7593.75	6777.56	5543.44	4546.69	3612.38	2749.50
45.0	8076.38	8227.13	7925.06	7296.75	6324.19	5226.19	4263.75	3239.44	2419.88
90.0	8115.19	7783.31	7151.06	6172.31	5073.19	4122.00	3223.13	2223.56	1348.88
135.0	8132.06	7805.25	7156.69	6065.44	5088.94	4133.81	3039.19	2260.69	1632.38
180.0	7921.69	7278.75	6303.38	5205.38	4228.88	3238.88	2439.56	1699.88	1122.41
225.0	8030.25	7472.81	6654.94	5566.50	4451.63	3527.44	2698.31	1823.06	1104.19
270.0	8115.19	7999.31	7434.56	6521.63	5553.56	4461.19	3462.75	2660.63	1959.19
315.0	8132.06	8003.81	7579.69	6733.69	5560.88	4711.50	3794.06	2652.19	2022.19
360.0	7921.69	8250.19	8128.69	7593.75	6777.56	5543.44	4546.69	3612.38	2749.50
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1854.00	1318.50	954.00	705.94	561.94	476.44	410.63	368.44	343.69
45.0	1657.13	1108.69	812.81	634.50	499.50	432.00	387.00	348.75	328.50
90.0	1091.19	728.89	598.89	498.09	424.52	377.44	349.20	327.83	311.91
135.0	1076.06	804.94	637.31	516.38	435.94	388.69	353.25	330.75	317.81
180.0	869.01	682.88	533.14	452.64	398.31	354.43	332.49	317.59	305.21
225.0	950.40	693.56	566.55	479.70	414.51	371.64	346.44	326.81	314.27
270.0	1278.56	929.25	712.13	558.56	461.81	407.81	367.88	343.13	327.94
315.0	1077.75	995.18	724.67	582.64	490.50	414.68	374.96	347.51	326.31
360.0	1854.00	1318.50	954.00	705.94	561.94	476.44	410.63	368.44	343.69
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	324.56	313.31	302.63	293.06	285.19	284.63	268.54	263.03	258.13
45.0	313.31	300.38	289.69	284.63	270.96	265.16	258.53	253.41	249.08
90.0	300.60	290.08	281.87	273.60	266.40	260.83	255.83	250.48	246.60
135.0	307.13	298.69	290.25	284.06	273.60	267.24	260.78	255.94	251.44
180.0	295.20	287.49	279.84	272.59	266.79	261.11	256.44	251.49	246.99
225.0	303.36	293.96	286.71	279.23	272.36	266.74	261.79	256.28	252.28
270.0	315.56	306.00	296.44	287.44	284.06	272.36	265.28	260.16	255.49
315.0	311.68	301.61	292.28	284.12	277.37	270.45	264.94	259.54	254.87
360.0	324.56	313.31	302.63	293.06	285.19	284.63	268.54	263.03	258.13
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	252.68	248.63	244.91	240.19	235.91	232.54	228.43	221.91	201.49
45.0	244.52	240.53	236.87	232.71	228.54	224.89	221.57	214.09	192.49
90.0	242.89	238.28	234.11	230.06	226.74	222.24	218.08	206.27	170.78
135.0	246.32	242.55	237.66	233.38	229.28	224.83	215.10	186.69	151.65
180.0	243.23	238.22	233.49	230.01	225.84	214.93	187.65	152.49	110.31
225.0	248.34	244.18	239.06	235.58	231.75	227.19	218.36	189.90	151.59
270.0	250.26	246.32	242.61	238.28	233.72	230.23	226.18	217.35	188.21
315.0	250.99	247.22	242.21	237.71	234.23	229.78	225.51	211.84	177.81
360.0	252.68	248.63	244.91	240.19	235.91	232.54	228.43	221.91	201.49
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	161.83	123.92	80.21	39.43	17.27	10.80	7.71	5.79	5.12
45.0	157.39	111.71	65.14	33.36	14.40	10.07	6.98	5.57	4.84
90.0	124.14	81.90	40.61	16.37	10.24	7.65	5.79	5.23	4.61
135.0	102.32	64.13	29.19	12.66	9.34	6.53	5.29	4.95	4.78
180.0	68.34	34.26	14.06	9.73	7.03	5.57	5.06	4.73	4.56
225.0	102.32	57.49	27.56	12.15	9.00	6.47	5.46	4.78	4.56
270.0	150.81	101.14	54.00	22.33	11.42	9.06	6.36	5.29	4.95
315.0	133.31	89.83	48.04	19.46	11.42	8.66	6.36	5.63	4.89
360.0	161.83	123.92	80.21	39.43	17.27	10.80	7.71	5.79	5.12

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	4.78	4.61	4.44	4.28	4.11	3.99	3.77	3.71	3.60
45.0	4.61	4.44	4.28	4.11	3.94	3.83	3.71	3.60	3.49
90.0	4.50	4.33	4.16	3.99	3.88	3.71	3.60	3.54	3.43
135.0	4.56	4.39	4.22	4.05	3.94	3.83	3.66	3.54	3.43
180.0	4.39	4.22	3.99	3.94	3.77	3.66	3.54	3.43	3.32
225.0	4.44	4.22	4.05	3.88	3.77	3.66	3.54	3.38	3.32
270.0	4.73	4.56	4.39	4.28	4.05	3.94	3.83	3.66	3.60
315.0	4.67	4.56	4.28	4.16	3.99	3.83	3.71	3.60	3.49
360.0	4.78	4.61	4.44	4.28	4.11	3.99	3.77	3.71	3.60
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	3.49	3.38	3.26	3.21	3.09	3.04	2.98	2.87	2.87
45.0	3.43	3.32	3.15	3.09	3.04	2.98	2.93	2.87	2.81
90.0	3.32	3.21	3.15	3.04	2.98	2.93	2.87	2.81	2.76
135.0	3.32	3.21	3.15	3.09	3.04	2.93	2.87	2.76	2.76
180.0	3.21	3.09	3.04	2.93	2.93	2.81	2.81	2.76	2.70
225.0	3.21	3.09	3.04	2.93	2.87	2.87	2.81	2.76	2.64
270.0	3.49	3.38	3.21	3.15	3.04	2.98	2.93	2.81	2.76
315.0	3.38	3.32	3.21	3.15	3.04	2.98	2.87	2.87	2.81
360.0	3.49	3.38	3.26	3.21	3.09	3.04	2.98	2.87	2.87
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	2.81	2.76	2.70	2.70	2.64	2.59	2.59	2.59	2.53
45.0	2.76	2.70	2.70	2.64	2.59	2.59	2.59	2.53	2.53
90.0	2.76	2.70	2.64	2.64	2.59	2.53	2.53	2.53	2.48
135.0	2.70	2.70	2.64	2.64	2.59	2.53	2.53	2.53	2.48
180.0	2.64	2.64	2.59	2.59	2.53	2.48	2.48	2.48	2.48
225.0	2.64	2.59	2.59	2.59	2.53	2.53	2.48	2.48	2.48
270.0	2.76	2.70	2.64	2.64	2.59	2.59	2.53	2.53	2.53
315.0	2.76	2.70	2.70	2.64	2.59	2.59	2.53	2.53	2.48
360.0	2.81	2.76	2.70	2.70	2.64	2.59	2.59	2.59	2.53
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	2.48	2.48	2.48	2.48	2.42	2.42	2.42	2.42	2.42
45.0	2.48	2.48	2.48	2.48	2.42	2.42	2.42	2.42	2.36
90.0	2.48	2.42	2.48	2.48	2.42	2.42	2.36	2.42	2.42
135.0	2.48	2.42	2.42	2.42	2.42	2.42	2.36	2.36	2.36
180.0	2.42	2.48	2.42	2.42	2.42	2.42	2.36	2.36	2.36
225.0	2.48	2.42	2.42	2.42	2.42	2.42	2.36	2.36	2.36
270.0	2.48	2.48	2.48	2.42	2.48	2.42	2.42	2.42	2.42
315.0	2.48	2.48	2.42	2.42	2.42	2.42	2.42	2.42	2.36
360.0	2.48	2.48	2.48	2.48	2.42	2.42	2.42	2.42	2.42
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	2.36	2.36	2.36	2.42	2.36	2.31	2.36	2.31	2.31
45.0	2.36	2.36	2.36	2.36	2.36	2.36	2.31	2.31	2.31
90.0	2.42	2.36	2.42	2.36	2.36	2.31	2.31	2.31	2.31
135.0	2.36	2.31	2.36	2.31	2.31	2.36	2.31	2.31	2.31
180.0	2.36	2.36	2.36	2.31	2.36	2.31	2.31	2.31	2.31
225.0	2.36	2.36	2.36	2.31	2.31	2.36	2.31	2.31	2.31
270.0	2.42	2.42	2.42	2.36	2.36	2.36	2.36	2.31	2.31
315.0	2.36	2.36	2.36	2.36	2.36	2.36	2.31	2.36	2.31
360.0	2.36	2.36	2.36	2.42	2.36	2.31	2.36	2.31	2.31

Intensity data(cd)

C/γ(°)	90.0
0.0	2.31
45.0	2.31
90.0	2.31
135.0	2.31
180.0	2.36
225.0	2.31
270.0	2.31
315.0	2.31
360.0	2.31