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Nata

LumCAT: 2-1570-A
Luminaire: 92.70.064.00+92.70.147.00
Report No: NT2017092610
Test No: GC2017092610
LampCAT: SEOUL SAWx10
Lamp flux(lm): 1461.0
Number of Lamps: 1
Length(mm): 46
Phm Type: C

Voltage(V): 34.5000
Current(A): 0.3000
Power (W): 10.3500
PF: 0.0000
Ballast type: DC
Width(mm): 46
Height(mm): 0

Photometric Results

Lumens(lm): 1211.00
Efficiency(%): 82.89%
Lumens(lm)/Power(W): 117.00
Central intensity(cd): 9804.168
Maximum intensity(cd): 9804.168
Angle of maximum intensity: C=0.0 γ =0.0
Beam Angle(50%Imax): [C0/180]Total=14.1
 [C90/270]Total=14.1
Field angle(10%Imax): [C0/180]Total=32.4
 [C90/270]Total=32.4
Maximum s/h(1/2): C0_180=0.24 C90_270=0.24
Maximum s/h(1/4): C0_180=0.25 C90_270=0.25
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 83.05%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 97.954%

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2017/9/26
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.42

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9804.168	2.346	2.346	.161%	.194%
1.0	9654.690	18.478	20.823	1.265%	1.720%
2.0	9156.086	35.041	55.865	2.398%	4.613%
3.0	8491.417	48.734	104.599	3.336%	8.637%
4.0	7748.707	59.274	163.873	4.057%	13.532%
5.0	6854.935	65.517	229.389	4.484%	18.942%
6.0	5918.357	67.840	297.229	4.643%	24.544%
7.0	4959.687	66.283	363.512	4.537%	30.018%
8.0	4055.386	61.893	425.405	4.236%	35.129%
9.0	3254.659	55.833	481.238	3.822%	39.739%
10.0	2612.357	49.746	530.983	3.405%	43.847%
11.0	2096.961	43.877	574.861	3.003%	47.470%
12.0	1743.636	39.755	614.615	2.721%	50.753%
13.0	1476.681	36.427	651.043	2.493%	53.761%
14.0	1272.174	33.750	684.792	2.310%	56.548%
15.0	1123.281	31.881	716.674	2.182%	59.181%
16.0	1003.960	30.346	747.02	2.077%	61.686%
17.0	892.051	28.601	775.621	1.958%	64.048%
18.0	787.692	26.693	802.313	1.827%	66.252%
19.0	712.072	25.422	827.736	1.740%	68.352%
20.0	636.246	23.863	851.599	1.633%	70.322%
21.0	572.153	22.485	874.084	1.539%	72.179%
22.0	524.749	21.557	895.641	1.475%	73.959%
23.0	477.834	20.474	916.115	1.401%	75.650%
24.0	432.048	19.271	935.386	1.319%	77.241%
25.0	394.527	18.284	953.67	1.251%	78.751%
26.0	360.537	17.332	971.002	1.186%	80.182%
27.0	329.650	16.412	987.413	1.123%	81.537%
28.0	303.416	15.621	1003.034	1.069%	82.827%
29.0	280.519	14.914	1017.948	1.021%	84.059%
30.0	257.760	14.133	1032.081	.967%	85.226%
31.0	233.886	13.210	1045.29	.904%	86.317%
32.0	211.499	12.291	1057.581	.841%	87.332%
33.0	192.326	11.487	1069.068	.786%	88.280%
34.0	175.334	10.752	1079.82	.736%	89.168%
35.0	160.304	10.083	1089.902	.690%	90.001%
36.0	147.035	9.477	1099.38	.649%	90.783%
37.0	136.395	9.001	1108.381	.616%	91.526%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	125.604	8.480	1116.861	.580%	92.227%
39.0	112.026	7.731	1124.593	.529%	92.865%
40.0	101.696	7.168	1131.761	.491%	93.457%
41.0	92.378	6.646	1138.407	.455%	94.006%
42.0	83.644	6.138	1144.545	.420%	94.513%
43.0	75.627	5.656	1150.201	.387%	94.980%
44.0	67.534	5.144	1155.345	.352%	95.405%
45.0	59.833	4.640	1159.985	.318%	95.788%
46.0	53.233	4.199	1164.184	.287%	96.134%
47.0	46.812	3.754	1167.938	.257%	96.444%
48.0	41.396	3.373	1171.312	.231%	96.723%
49.0	36.736	3.040	1174.352	.208%	96.974%
50.0	32.077	2.695	1177.047	.184%	97.197%
51.0	28.051	2.391	1179.437	.164%	97.394%
52.0	23.812	2.058	1181.495	.141%	97.564%
53.0	18.141	1.589	1183.084	.109%	97.695%
54.0	12.677	1.125	1184.208	.077%	97.788%
55.0	9.525	0.856	1185.064	.059%	97.859%
56.0	8.155	0.741	1185.805	.051%	97.920%
57.0	7.261	0.668	1186.473	.046%	97.975%
58.0	7.150	0.665	1187.138	.046%	98.030%
59.0	7.102	0.668	1187.806	.046%	98.085%
60.0	7.075	0.672	1188.478	.046%	98.141%
61.0	7.040	0.675	1189.153	.046%	98.196%
62.0	7.020	0.680	1189.833	.047%	98.252%
63.0	7.013	0.685	1190.518	.047%	98.309%
64.0	7.013	0.691	1191.209	.047%	98.366%
65.0	7.013	0.697	1191.906	.048%	98.424%
66.0	7.013	0.703	1192.608	.048%	98.482%
67.0	7.020	0.709	1193.317	.049%	98.540%
68.0	7.047	0.717	1194.034	.049%	98.599%
69.0	7.054	0.722	1194.756	.049%	98.659%
70.0	7.068	0.728	1195.484	.050%	98.719%
71.0	7.109	0.737	1196.221	.050%	98.780%
72.0	7.150	0.746	1196.967	.051%	98.842%
73.0	7.178	0.753	1197.72	.052%	98.904%
74.0	7.233	0.762	1198.482	.052%	98.967%
75.0	7.302	0.773	1199.256	.053%	99.031%

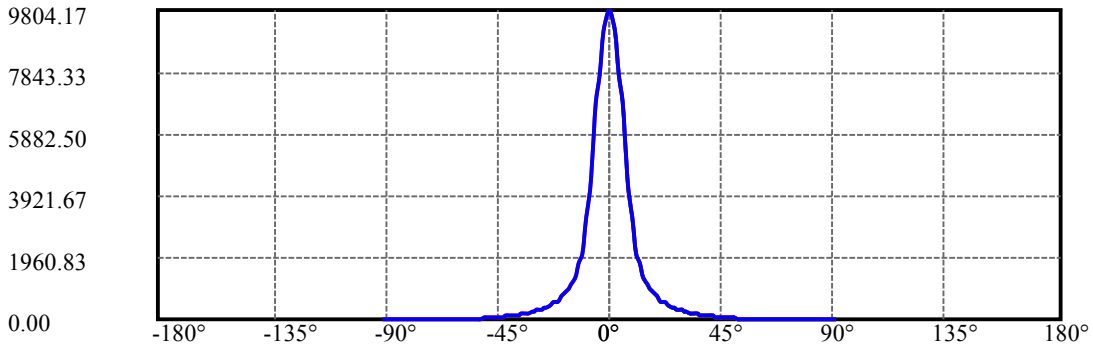
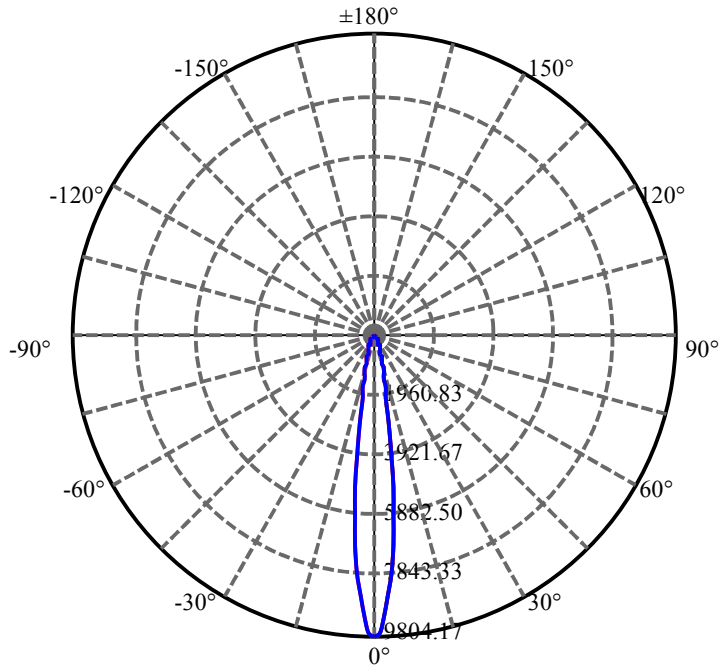
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	7.391	0.786	1200.042	.054%	99.095%
77.0	7.529	0.804	1200.847	.055%	99.162%
78.0	7.708	0.827	1201.673	.057%	99.230%
79.0	7.907	0.851	1202.525	.058%	99.300%
80.0	8.141	0.879	1203.404	.060%	99.373%
81.0	8.197	0.888	1204.292	.061%	99.446%
82.0	8.272	0.898	1205.19	.061%	99.521%
83.0	8.451	0.920	1206.11	.063%	99.597%
84.0	8.609	0.939	1207.049	.064%	99.674%
85.0	8.637	0.944	1207.992	.065%	99.752%
86.0	8.499	0.930	1208.922	.064%	99.829%
87.0	6.682	0.732	1209.654	.050%	99.889%
88.0	4.934	0.541	1210.195	.037%	99.934%
89.0	4.872	0.534	1210.729	.037%	99.978%
90.0	4.872	0.267	1210.996	.018%	100.000%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1032.08	70.64%	85.23%
0-40	1131.76	77.46%	93.46%
0-60	1188.48	81.35%	98.14%
0-90	1210.73	82.87%	99.98%
0-120	1210.73	82.87%	99.98%
0-180	1211.00	82.89%	100.00%
60-90	22.92	1.57%	1.89%
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%
0-25.87	968.80	66.31%	80.00%

ZONAL LUMEN SUMMARY

0-10	530.98
10-20	320.62
20-30	180.48
30-40	99.68
40-50	45.29
50-60	11.43
60-70	7.01
70-80	7.92
80-90	7.33
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



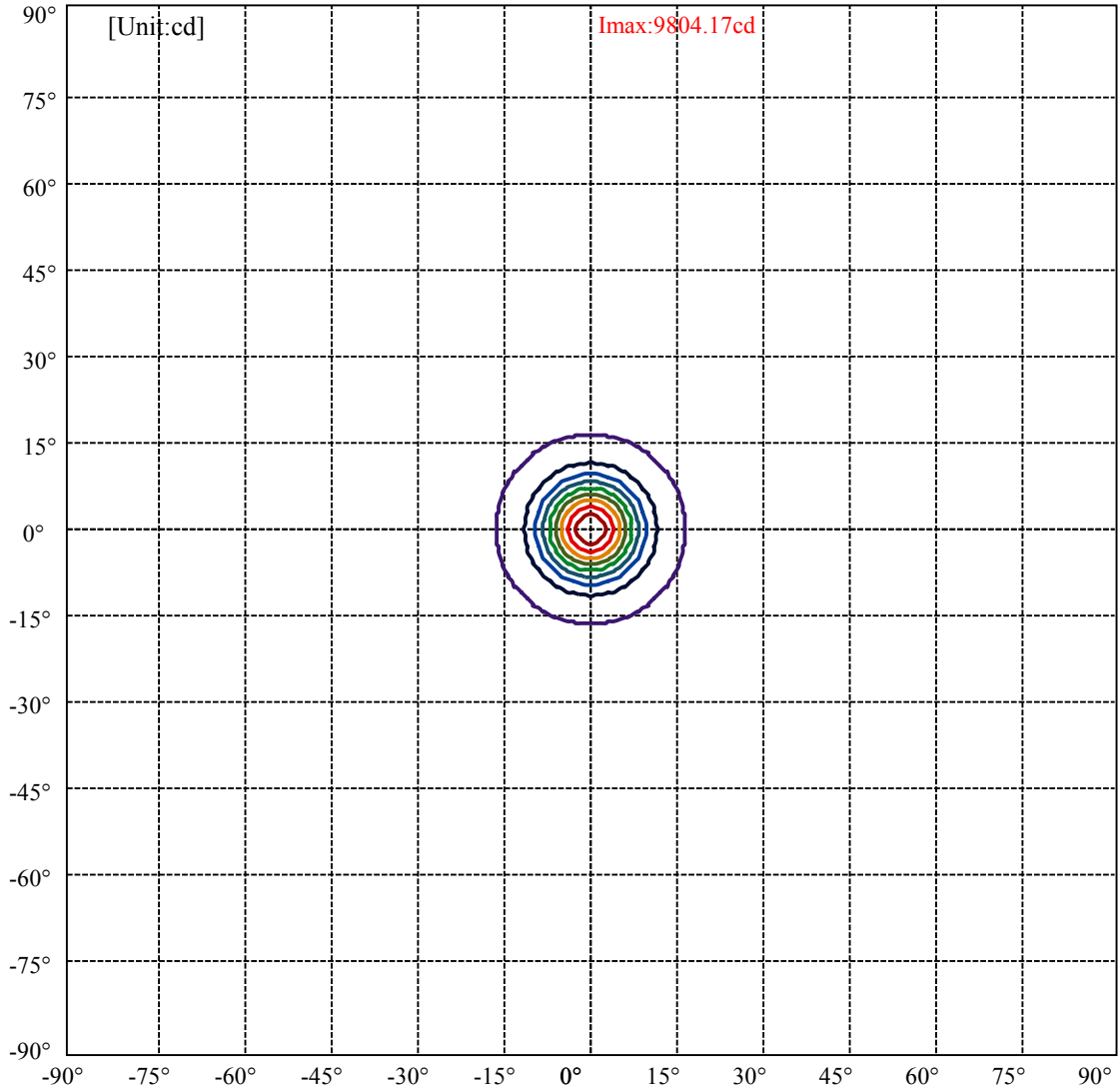
C0(Max): —————

C0/C180: —————

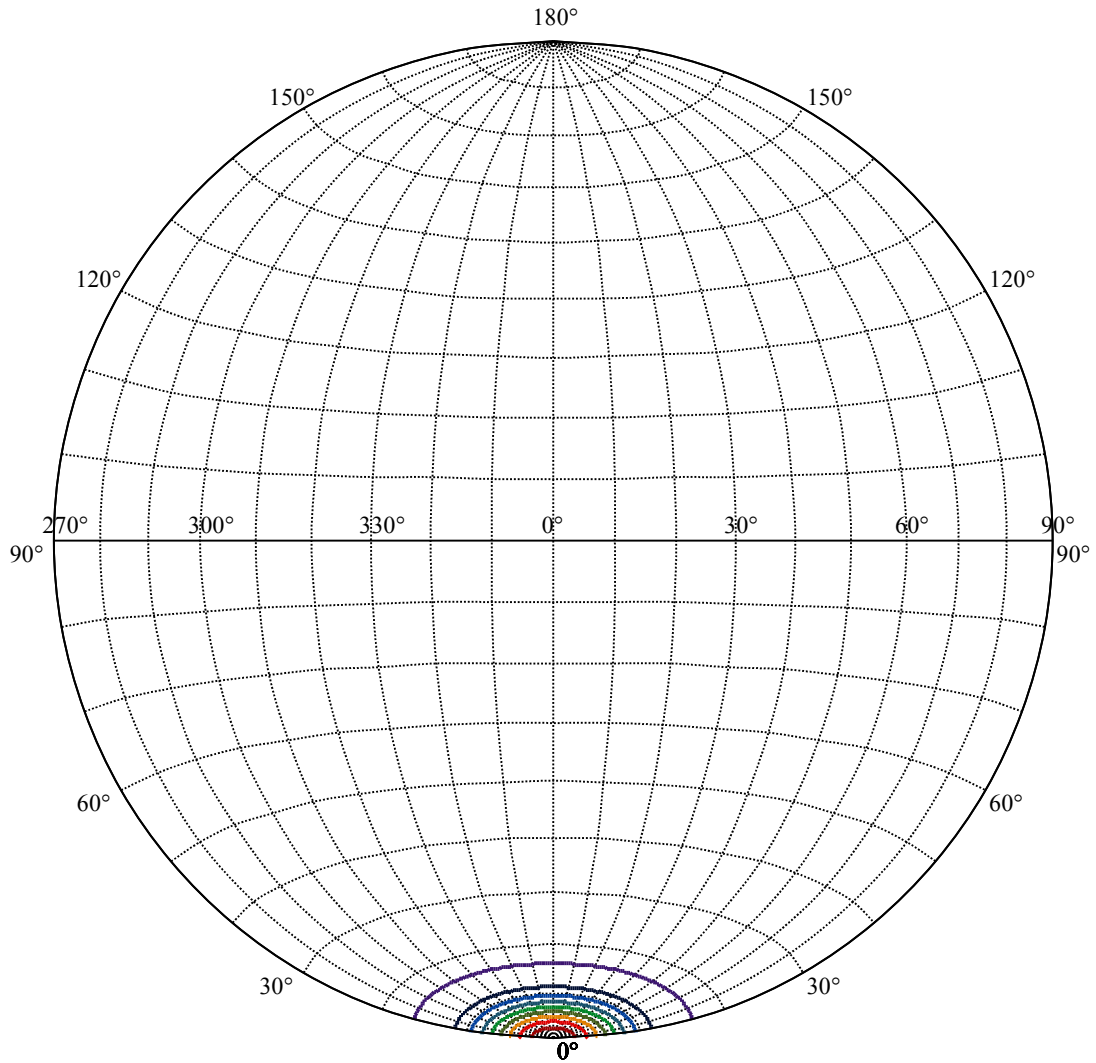
C90/C270: —————

Field angle(10%Imax):C0/180Left:16.2 Right:16.2
:C90/270Left:16.2 Right:16.2

Beam Angle(50%Imax):C0/180Left:7.1 Right:7.1
:C90/270Left:7.1 Right:7.1



(10%Imax) 980.417	—
(20%Imax) 1960.83	—
(30%Imax) 2941.25	—
(40%Imax) 3921.67	—
(50%Imax) 4902.08	—
(60%Imax) 5882.5	—
(70%Imax) 6862.92	—
(80%Imax) 7843.33	—
(90%Imax) 8823.75	—



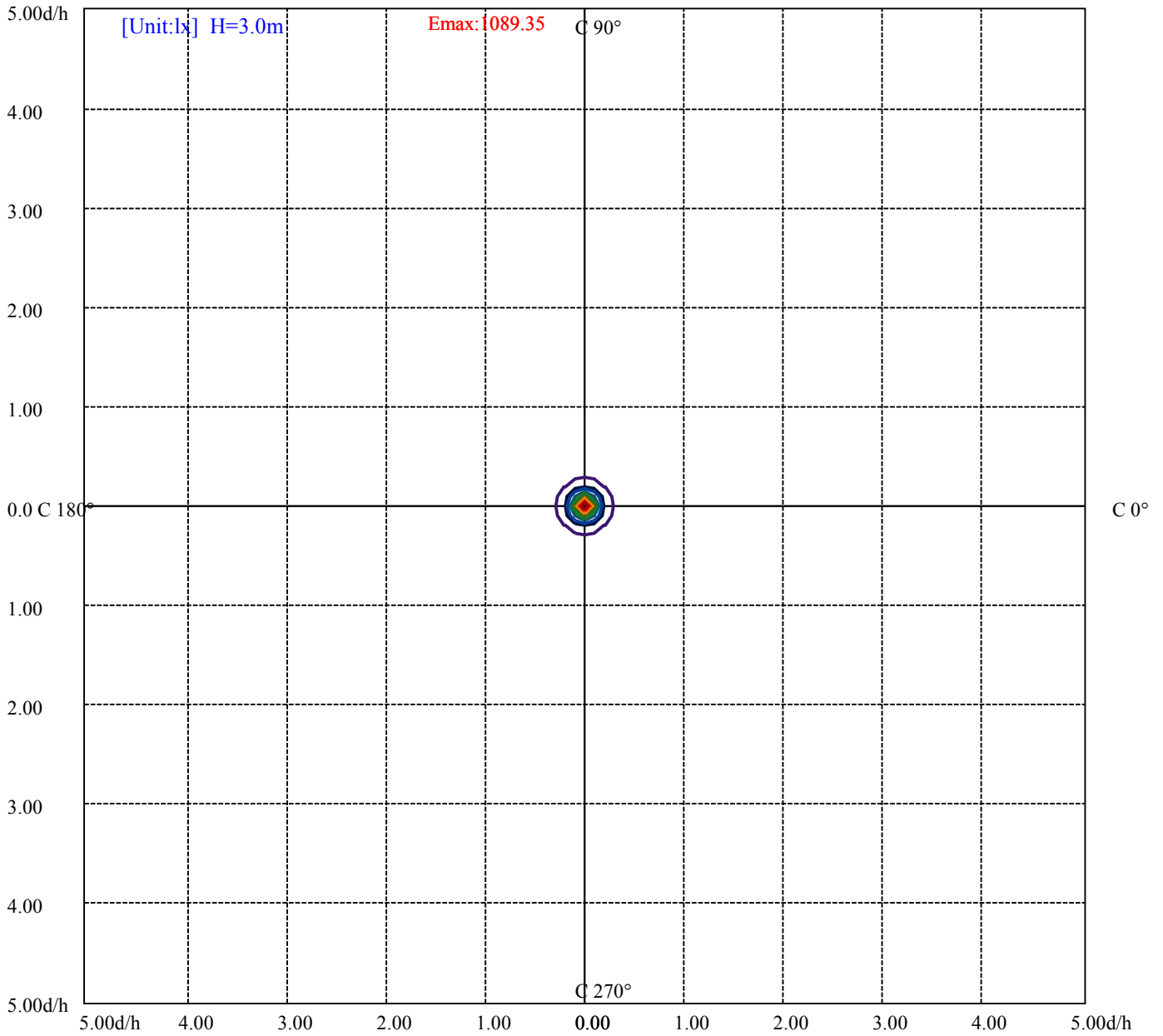
House

[Unit:cd]

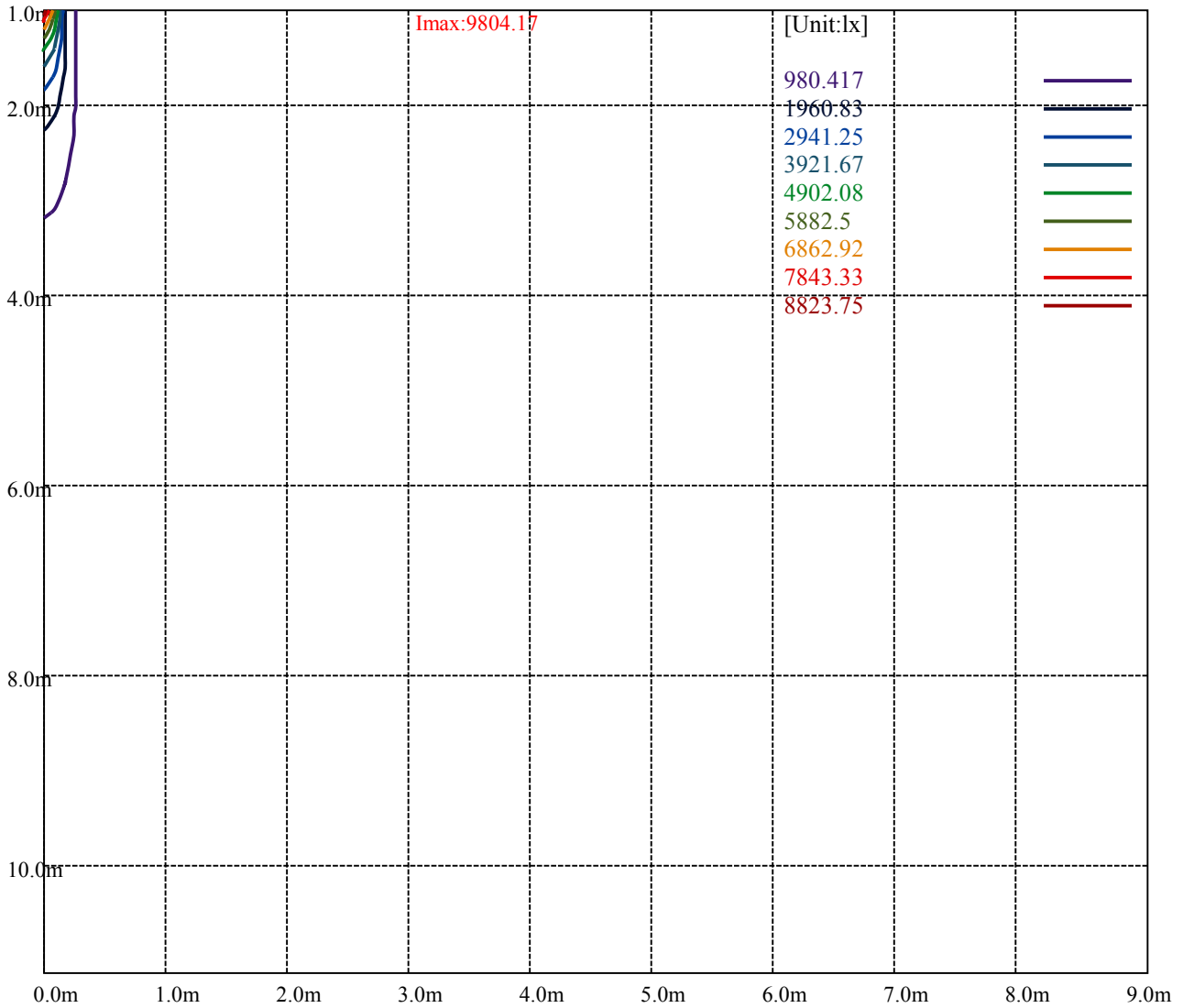
Road

Imax:9804.17

(10%Imax) 980.417	—
(20%Imax) 1960.83	—
(30%Imax) 2941.25	—
(40%Imax) 3921.67	—
(50%Imax) 4902.08	—
(60%Imax) 5882.5	—
(70%Imax) 6862.92	—
(80%Imax) 7843.33	—
(90%Imax) 8823.75	—



- (10%Emax) 108.935
- (20%Emax) 217.87
- (30%Emax) 326.8044
- (40%Emax) 435.74
- (50%Emax) 544.6744
- (60%Emax) 653.61
- (70%Emax) 762.5444
- (80%Emax) 871.48
- (90%Emax) 980.4145



Luminance Table

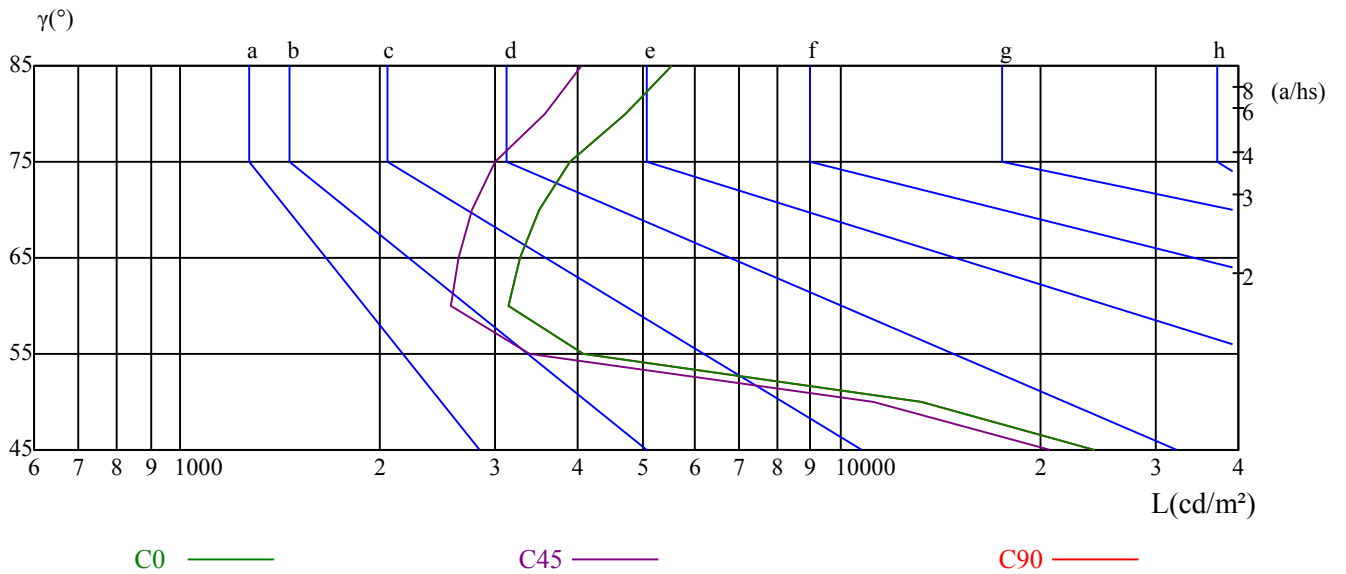
γ	45	50	55	60	65	70	75	80	85
C0	24204	13270	4063	3140	3269	3498	3883	4716	5539
C45	20802	11235	3387	2574	2633	2763	3001	3556	4058
C90	24204	13270	4063	3140	3269	3498	3883	4716	5539

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7842	7842	7842	13333	13333	13333	46833	46833	46833

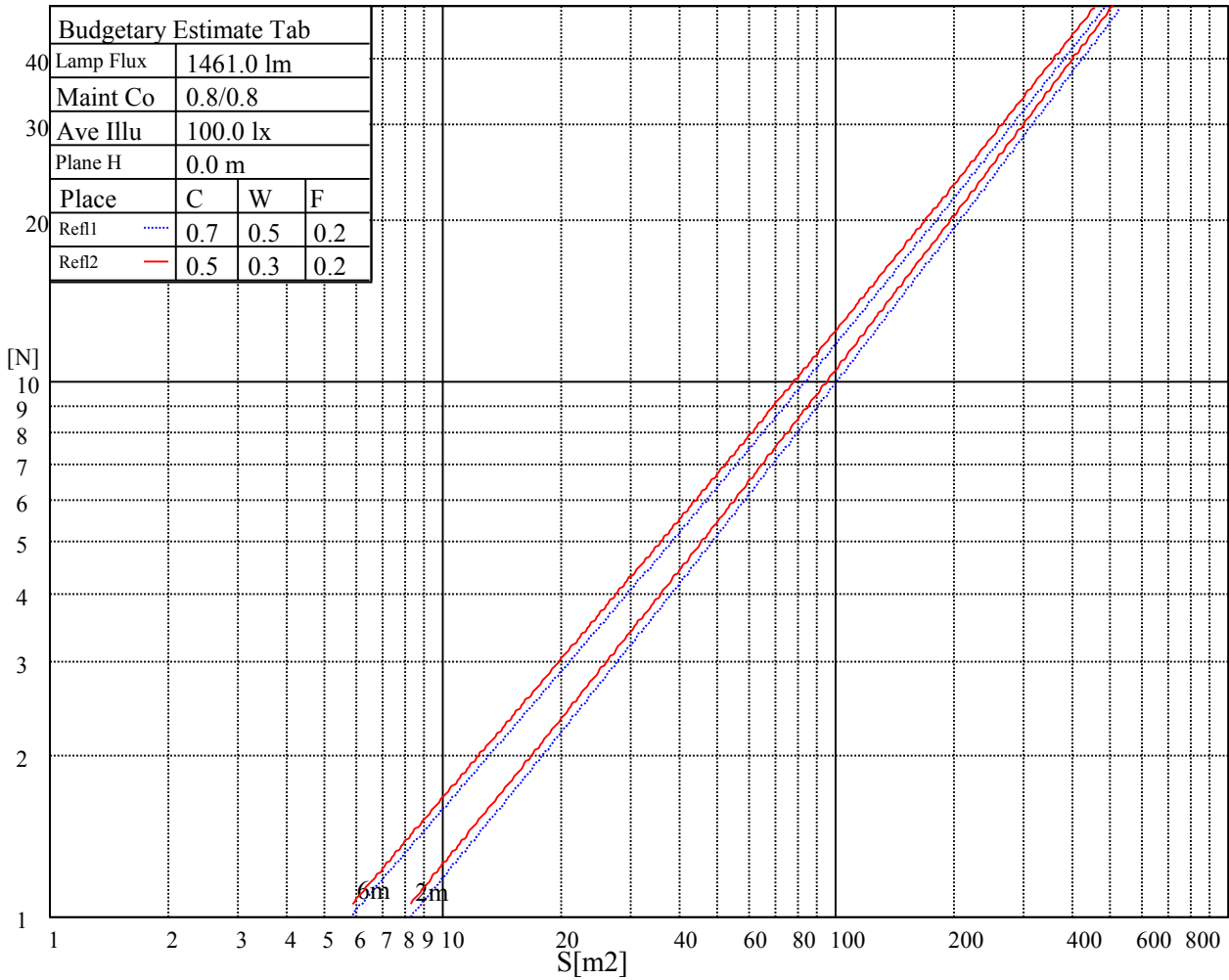
Glare Table

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

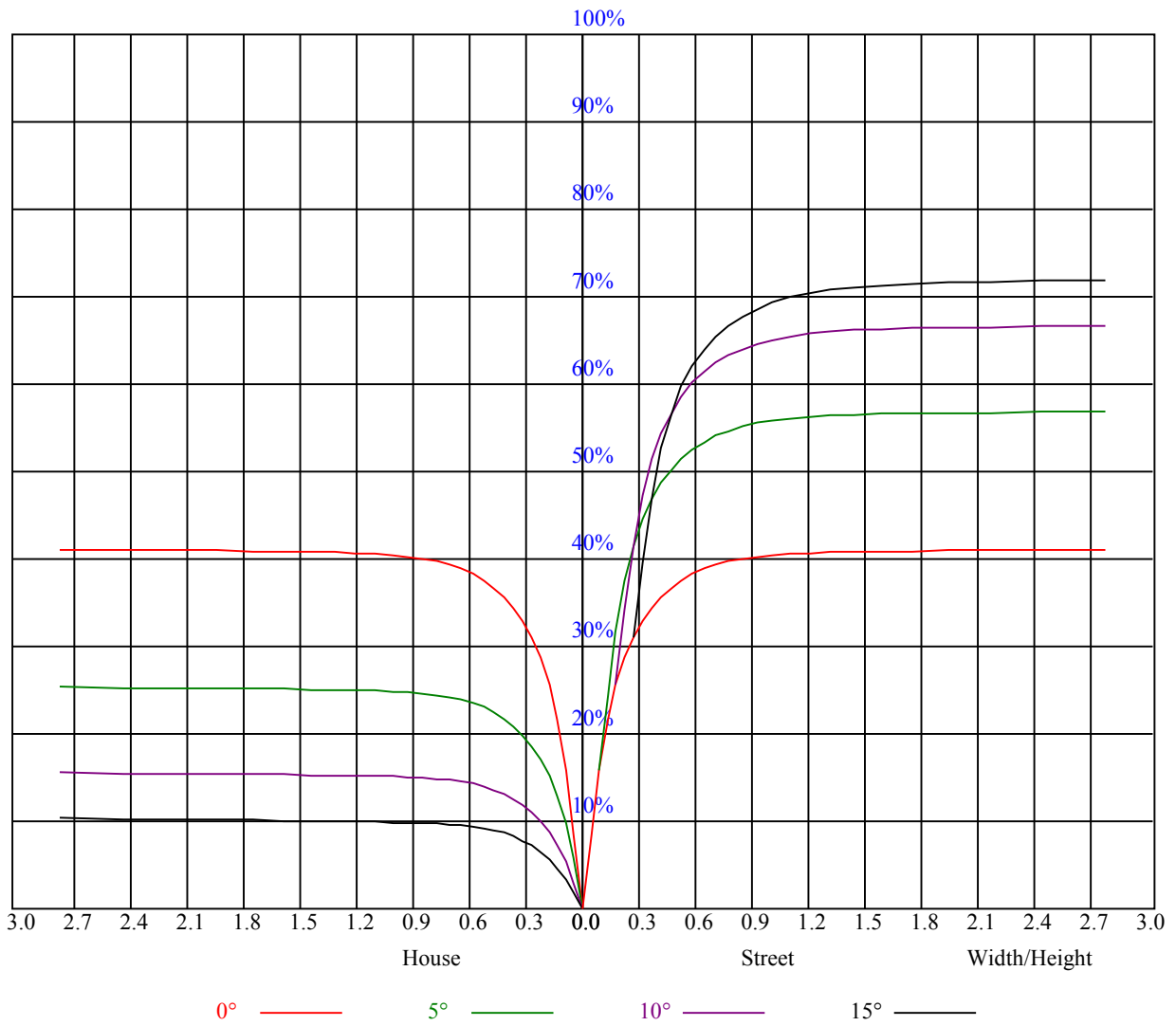
Luminance Limiting Curve



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	6.15	7.11	6.51	7.42	7.74	6.05	7.02	6.42	7.33	7.65
	3H	8.10	8.95	8.49	9.29	9.66	8.02	8.87	8.40	9.20	9.57
	4H	9.33	10.12	9.74	10.48	10.87	9.27	10.06	9.68	10.41	10.80
	6H	10.86	11.58	11.28	11.96	12.35	10.85	11.57	11.27	11.95	12.35
	8H	11.67	12.35	12.11	12.74	13.15	11.67	12.35	12.10	12.74	13.15
	12H	12.90	13.55	13.34	13.93	14.36	12.87	13.52	13.31	13.91	14.34
4H	2H	6.50	7.29	6.91	7.64	8.03	6.42	7.21	6.83	7.56	7.95
	3H	8.82	9.47	9.23	9.87	10.28	8.75	9.39	9.16	9.80	10.21
	4H	10.27	10.85	10.71	11.27	11.72	10.21	10.79	10.65	11.22	11.66
	6H	11.74	12.24	12.21	12.69	13.16	11.73	12.23	12.20	12.68	13.15
	8H	12.74	13.20	13.21	13.65	14.13	12.73	13.20	13.21	13.65	14.12
	12H	14.01	14.40	14.50	14.89	15.37	13.98	14.38	14.47	14.86	15.34
8H	4H	10.75	11.22	11.23	11.67	12.14	10.71	11.17	11.19	11.62	12.10
	6H	12.55	12.91	13.06	13.42	13.90	12.54	12.91	13.05	13.41	13.90
	8H	13.70	14.03	14.23	14.55	15.05	13.70	14.03	14.23	14.55	15.05
	12H	15.06	15.35	15.59	15.84	16.43	15.04	15.32	15.56	15.82	16.40
12H	4H	10.89	11.29	11.38	11.77	12.25	10.84	11.24	11.33	11.73	12.21
	6H	13.04	13.11	13.31	13.58	14.13	13.03	13.10	13.31	13.58	14.12
	8H	14.03	14.32	14.56	14.82	15.40	14.03	14.32	14.56	14.81	15.40
Variation with the observer position at spacings:											
S = 1.0H	2.9/-4.7					2.9/-4.7					
S = 1.5H	4.5/-3.6					4.5/-3.6					
S = 2.0H	5.6/-3.0					5.6/-3.0					
Standard tables:	BK3					BK3					
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	0.99	0.99	0.99	0.97	0.97	0.97	0.92	0.92	0.92	0.88	0.88	0.88	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	0.83	0.87	0.84	0.82	0.84	0.82	0.80	0.82	0.80	0.79	0.79	0.78	0.77	0.76
3	0.84	0.81	0.78	0.83	0.80	0.77	0.81	0.78	0.76	0.79	0.77	0.75	0.77	0.75	0.74	0.73
4	0.80	0.77	0.74	0.80	0.76	0.74	0.78	0.75	0.73	0.76	0.74	0.72	0.75	0.73	0.71	0.70
5	0.77	0.74	0.71	0.77	0.73	0.71	0.75	0.72	0.70	0.74	0.71	0.69	0.73	0.71	0.69	0.68
6	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.68	0.67	0.66
7	0.72	0.68	0.66	0.72	0.68	0.66	0.71	0.68	0.65	0.70	0.67	0.65	0.69	0.67	0.65	0.64
8	0.70	0.66	0.64	0.69	0.66	0.64	0.69	0.66	0.63	0.68	0.65	0.63	0.67	0.65	0.63	0.62
9	0.68	0.64	0.62	0.67	0.64	0.62	0.67	0.64	0.62	0.66	0.63	0.61	0.66	0.63	0.61	0.60
10	0.66	0.63	0.60	0.66	0.62	0.60	0.65	0.62	0.60	0.65	0.62	0.60	0.64	0.62	0.60	0.59



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	9779.12	9675.06	9246.17	8678.54	7868.66	6883.15	5979.13	5083.36	4134.19
45.0	9811.60	9724.06	9223.60	8611.37	7897.84	6883.70	5996.19	5088.31	4145.20
90.0	9853.44	9736.17	9190.56	8539.80	7795.44	6999.87	5861.85	4938.56	4062.61
135.0	9772.51	9830.87	9467.50	8918.04	8193.49	7383.06	6530.79	5469.85	4573.54
180.0	9779.12	9552.29	9067.79	8247.45	7564.75	6793.96	5827.72	4817.99	3990.49
225.0	9811.60	9600.74	9016.59	8344.90	7606.04	6641.45	5905.90	4924.24	3917.81
270.0	9853.44	9704.79	9139.91	8519.43	7799.29	6892.51	5903.70	4995.82	4064.81
315.0	9772.51	9413.54	8896.56	8071.82	7264.14	6361.77	5341.57	4359.37	3554.44
360.0	9779.12	9675.06	9246.17	8678.54	7868.66	6883.15	5979.13	5083.36	4134.19
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3301.18	2666.38	2116.92	1762.36	1449.08	1274.56	1133.06	978.90	871.54
45.0	3316.60	2677.94	2117.47	1741.98	1452.39	1259.69	1122.60	987.71	873.19
90.0	3223.00	2549.66	2092.14	1715.56	1450.74	1283.36	1084.78	1011.06	891.31
135.0	3675.01	2995.07	2380.09	1983.13	1666.01	1438.07	1272.90	1095.62	975.05
180.0	3184.46	2511.67	2057.46	1686.38	1465.05	1289.97	1092.59	1019.31	910.69
225.0	3290.17	2614.08	2023.87	1721.06	1471.66	1261.89	1095.68	1006.38	899.24
270.0	3249.43	2647.66	2116.92	1761.25	1481.02	1283.36	1146.82	1012.49	893.57
315.0	2797.42	2236.39	1870.82	1577.37	1377.51	1086.48	1037.81	920.21	821.83
360.0	3301.18	2666.38	2116.92	1762.36	1449.08	1274.56	1133.06	978.90	871.54
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	780.70	695.36	621.04	565.98	513.13	464.68	425.59	385.39	352.91
45.0	779.60	708.03	627.09	569.83	518.08	469.63	421.73	387.60	352.36
90.0	789.23	711.93	645.48	576.94	529.81	486.04	434.39	398.11	366.01
135.0	862.18	777.40	682.70	617.73	567.63	514.78	464.68	425.04	385.95
180.0	782.24	711.93	641.13	562.73	520.67	476.84	431.42	391.89	360.34
225.0	787.36	710.28	644.33	574.35	525.24	481.80	437.53	396.35	364.64
270.0	801.62	732.25	638.10	581.95	540.10	486.70	441.55	408.52	366.68
315.0	718.60	649.39	590.09	527.72	483.34	442.21	399.49	363.32	335.40
360.0	780.70	695.36	621.04	565.98	513.13	464.68	425.59	385.39	352.91
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	320.98	292.35	278.59	248.36	227.66	206.63	189.23	171.56	156.20
45.0	322.08	297.30	279.14	248.08	225.73	203.82	186.92	169.85	154.60
90.0	334.74	305.56	282.22	258.21	237.13	213.95	193.85	176.79	160.71
135.0	353.46	327.59	301.16	278.59	253.26	230.25	210.43	187.74	170.67
180.0	327.64	299.95	276.33	253.37	233.71	212.30	193.14	177.56	164.18
225.0	333.53	308.70	282.71	259.15	239.66	215.93	196.33	181.03	167.87
270.0	336.95	311.07	281.89	278.59	236.14	213.18	194.57	178.16	160.16
315.0	307.82	284.81	262.12	237.73	217.80	195.95	174.14	159.99	148.05
360.0	320.98	292.35	278.59	248.36	227.66	206.63	189.23	171.56	156.20
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	144.36	134.23	120.68	107.58	98.55	88.37	80.38	74.22	65.68
45.0	143.42	132.36	121.45	107.58	98.44	88.92	80.27	73.06	64.97
90.0	146.56	135.38	125.97	111.10	100.64	91.78	82.91	74.05	66.34
135.0	158.62	146.78	132.80	123.88	108.96	97.84	88.59	80.77	71.63
180.0	149.48	139.46	130.43	116.50	106.75	97.89	89.80	79.67	71.74
225.0	152.56	142.76	133.13	117.93	108.52	99.82	90.57	81.59	73.56
270.0	147.61	136.43	125.31	111.76	101.69	92.00	83.14	75.48	67.22
315.0	133.68	123.77	115.07	99.87	90.02	82.42	73.50	66.18	59.13
360.0	144.36	134.23	120.68	107.58	98.55	88.37	80.38	74.22	65.68

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	58.41	52.91	45.97	40.91	36.50	31.71	28.02	24.11	18.06
45.0	57.37	51.31	45.04	40.08	35.57	31.44	27.91	24.17	18.06
90.0	58.25	51.37	45.70	40.08	35.95	31.93	28.08	24.22	19.27
135.0	62.49	55.66	48.84	43.38	37.93	33.25	29.46	25.60	20.04
180.0	64.64	57.09	50.43	44.60	38.54	33.25	28.57	23.34	17.89
225.0	64.97	57.92	50.87	44.54	39.31	33.80	28.96	24.45	18.99
270.0	60.40	53.13	46.69	41.73	37.44	32.54	29.07	25.16	18.44
315.0	52.14	46.47	40.96	35.84	32.65	28.68	24.33	19.43	14.37
360.0	58.41	52.91	45.97	40.91	36.50	31.71	28.02	24.11	18.06
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	12.94	9.97	8.26	7.21	7.10	7.05	6.99	6.94	6.94
45.0	12.99	9.86	8.53	7.93	7.87	7.82	7.82	7.76	7.76
90.0	12.88	9.74	8.64	7.43	7.32	7.27	7.21	7.21	7.16
135.0	14.87	10.90	8.26	7.27	7.05	6.99	6.99	6.94	6.94
180.0	12.33	8.92	8.04	7.16	7.05	6.99	6.99	6.94	6.94
225.0	12.28	9.03	8.09	7.16	7.05	6.99	6.99	6.94	6.94
270.0	13.05	9.74	8.31	7.10	6.99	6.99	6.94	6.94	6.88
315.0	10.08	8.04	7.10	6.83	6.77	6.72	6.66	6.66	6.61
360.0	12.94	9.97	8.26	7.21	7.10	7.05	6.99	6.94	6.94
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	6.94	6.88	6.88	6.88	6.88	6.94	6.94	6.94	6.99
45.0	7.76	7.76	7.82	7.82	7.82	7.87	7.87	7.87	7.87
90.0	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16
135.0	6.88	6.88	6.83	6.83	6.83	6.83	6.83	6.83	6.88
180.0	6.94	6.94	6.94	6.94	6.94	6.99	6.99	7.05	7.10
225.0	6.94	6.94	6.94	6.94	6.99	7.05	7.05	7.10	7.16
270.0	6.88	6.94	6.94	6.94	6.94	6.94	6.99	6.99	7.05
315.0	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.61	6.66
360.0	6.94	6.88	6.88	6.88	6.88	6.94	6.94	6.94	6.99
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	7.05	7.05	7.10	7.16	7.21	7.32	7.49	7.65	7.87
45.0	7.93	7.98	8.04	8.09	8.26	8.42	8.81	9.14	9.47
90.0	7.16	7.21	7.21	7.27	7.32	7.43	7.54	7.71	7.87
135.0	6.88	6.88	6.94	6.94	6.88	6.94	6.99	6.99	7.10
180.0	7.16	7.21	7.27	7.38	7.60	7.87	8.15	8.48	8.70
225.0	7.21	7.21	7.32	7.43	7.60	7.76	7.98	8.20	8.42
270.0	7.10	7.16	7.21	7.32	7.43	7.60	7.76	8.04	8.37
315.0	6.72	6.72	6.77	6.83	6.83	6.88	6.94	7.05	7.32
360.0	7.05	7.05	7.10	7.16	7.21	7.32	7.49	7.65	7.87
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.98	7.98	7.98	7.98	7.87	7.76	5.40	4.84	4.84
45.0	9.41	9.36	9.41	9.41	9.30	9.19	5.23	4.90	4.90
90.0	7.98	8.04	8.15	8.15	8.09	7.76	5.23	4.90	4.84
135.0	7.27	7.49	7.93	8.37	8.75	8.81	8.75	5.01	4.90
180.0	8.53	8.48	8.64	8.81	8.81	8.64	7.65	4.90	4.84
225.0	8.31	8.26	8.26	8.26	8.20	7.93	7.60	5.12	4.90
270.0	8.53	8.53	8.70	8.92	8.97	8.75	8.48	4.96	4.90
315.0	7.54	8.04	8.53	8.97	9.08	9.14	5.12	4.84	4.84
360.0	7.98	7.98	7.98	7.98	7.87	7.76	5.40	4.84	4.84

Intensity data(cd)

C/ γ (°)	90.0
0.0	4.84
45.0	4.90
90.0	4.90
135.0	4.84
180.0	4.84
225.0	4.90
270.0	4.90
315.0	4.84
360.0	4.84