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SOTEN

LumCAT: D1037

Luminaire: 2-1419-E 24°

Report No:

Voltage(V): 220.7000

Test No:

Current(A): 0.1080

LampCAT: LUMILEDS-1203-3090-F

Power (W): 13.2900

Lamp flux(lm): 1322.0

PF: 0.5530

Number of Lamps: 1

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

Length(mm): -88

Width(mm): -88

Phm Type: C

Height(mm): 68

Photometric Results

Lumens(lm): 1039.66

Efficiency(%): 78.64%

Lumens(lm)/Power(W): 78.23

Central intensity(cd): 3745.956

Maximum intensity(cd): 3745.956

Angle of maximum intensity: C=0.0 γ=0.0

Beam Angle(50%Imax): [C0/180]Total=22.8

[C90/270]Total=22.8

Field angle(10%Imax): [C0/180]Total=61.5

[C90/270]Total=61.5

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(%): 78.64%

Up flux rate of LUM(%): - -

Down flux rate of LUM(%): 100.00%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 96.302%



Equipment: GMS 1800
Temperature(°C): 25.0

Date: 2022/1/22
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	3745.956	.000	.000	.000%	.000%
1.0	3719.599	3.572	3.572	.270%	.270%
2.0	3671.711	10.609	14.181	.802%	1.073%
3.0	3573.475	17.328	31.509	1.311%	2.383%
4.0	3445.912	23.496	55.005	1.777%	4.161%
5.0	3288.651	28.972	83.977	2.192%	6.352%
6.0	3098.629	33.567	117.544	2.539%	8.891%
7.0	2888.004	37.159	154.703	2.811%	11.702%
8.0	2661.928	39.720	194.422	3.005%	14.707%
9.0	2428.936	41.259	235.681	3.121%	17.828%
10.0	2192.094	41.819	277.500	3.163%	20.991%
11.0	1959.195	41.480	318.980	3.138%	24.129%
12.0	1734.325	40.375	359.355	3.054%	27.183%
13.0	1524.211	38.671	398.026	2.925%	30.108%
14.0	1322.727	36.441	434.466	2.756%	32.864%
15.0	1133.541	33.721	468.187	2.551%	35.415%
16.0	1007.324	31.370	499.557	2.373%	37.788%
17.0	919.854	30.011	529.568	2.270%	40.058%
18.0	827.928	28.817	558.385	2.180%	42.238%
19.0	747.419	27.408	585.793	2.073%	44.311%
20.0	694.101	26.384	612.177	1.996%	46.307%
21.0	640.320	25.624	637.800	1.938%	48.245%
22.0	603.151	24.988	662.788	1.890%	50.135%
23.0	567.467	24.563	687.351	1.858%	51.993%
24.0	536.748	24.142	711.493	1.826%	53.819%
25.0	512.479	23.857	735.350	1.805%	55.624%
26.0	491.365	23.696	759.046	1.792%	57.417%
27.0	474.938	23.641	782.687	1.788%	59.205%
28.0	461.203	23.701	806.388	1.793%	60.998%
29.0	442.827	23.652	830.040	1.789%	62.787%
30.0	413.268	23.114	853.154	1.748%	64.535%
31.0	360.090	21.521	874.676	1.628%	66.163%
32.0	293.501	18.725	893.401	1.416%	67.579%
33.0	220.834	15.152	908.553	1.146%	68.726%
34.0	170.950	11.857	920.409	.897%	69.623%
35.0	115.684	8.902	929.311	.673%	70.296%
36.0	67.934	5.846	935.158	.442%	70.738%
37.0	54.849	4.005	939.162	.303%	71.041%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	47.563	3.418	942.581	.259%	71.300%
39.0	43.712	3.115	945.696	.236%	71.535%
40.0	41.856	2.984	948.680	.226%	71.761%
41.0	40.789	2.943	951.623	.223%	71.984%
42.0	39.860	2.930	954.553	.222%	72.205%
43.0	38.886	2.917	957.470	.221%	72.426%
44.0	38.051	2.904	960.374	.220%	72.646%
45.0	37.215	2.893	963.267	.219%	72.864%
46.0	36.287	2.875	966.141	.217%	73.082%
47.0	35.313	2.848	968.989	.215%	73.297%
48.0	34.246	2.812	971.801	.213%	73.510%
49.0	33.132	2.767	974.568	.209%	73.719%
50.0	31.926	2.712	977.280	.205%	73.924%
51.0	30.765	2.652	979.933	.201%	74.125%
52.0	29.652	2.593	982.525	.196%	74.321%
53.0	28.724	2.539	985.065	.192%	74.513%
54.0	27.749	2.489	987.554	.188%	74.701%
55.0	26.636	2.428	989.981	.184%	74.885%
56.0	25.615	2.361	992.342	.179%	75.064%
57.0	24.547	2.294	994.636	.173%	75.237%
58.0	23.712	2.232	996.867	.169%	75.406%
59.0	23.062	2.187	999.054	.165%	75.571%
60.0	22.598	2.157	1001.211	.163%	75.735%
61.0	22.227	2.139	1003.351	.162%	75.896%
62.0	21.763	2.120	1005.470	.160%	76.057%
63.0	21.346	2.097	1007.567	.159%	76.215%
64.0	20.835	2.070	1009.637	.157%	76.372%
65.0	20.278	2.035	1011.671	.154%	76.526%
66.0	19.721	1.996	1013.667	.151%	76.677%
67.0	19.118	1.953	1015.620	.148%	76.825%
68.0	18.515	1.906	1017.526	.144%	76.969%
69.0	17.819	1.854	1019.380	.140%	77.109%
70.0	17.123	1.795	1021.174	.136%	77.245%
71.0	16.334	1.729	1022.904	.131%	77.375%
72.0	15.499	1.655	1024.559	.125%	77.501%
73.0	14.663	1.577	1026.136	.119%	77.620%
74.0	13.782	1.495	1027.632	.113%	77.733%
75.0	12.854	1.407	1029.039	.106%	77.840%

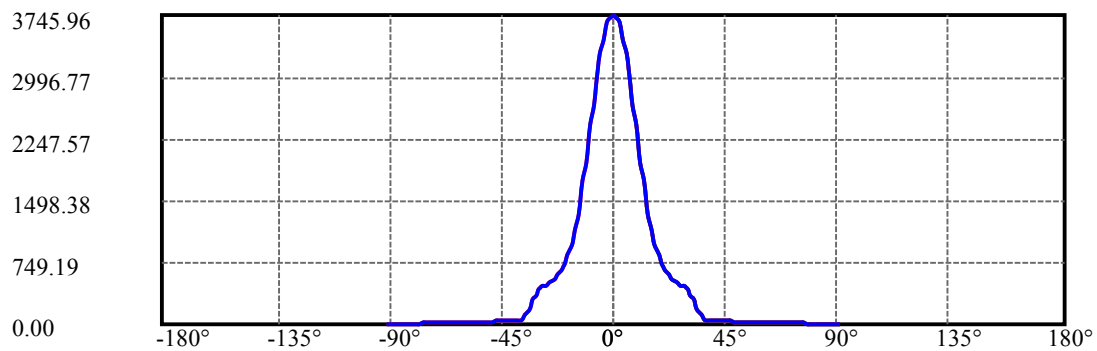
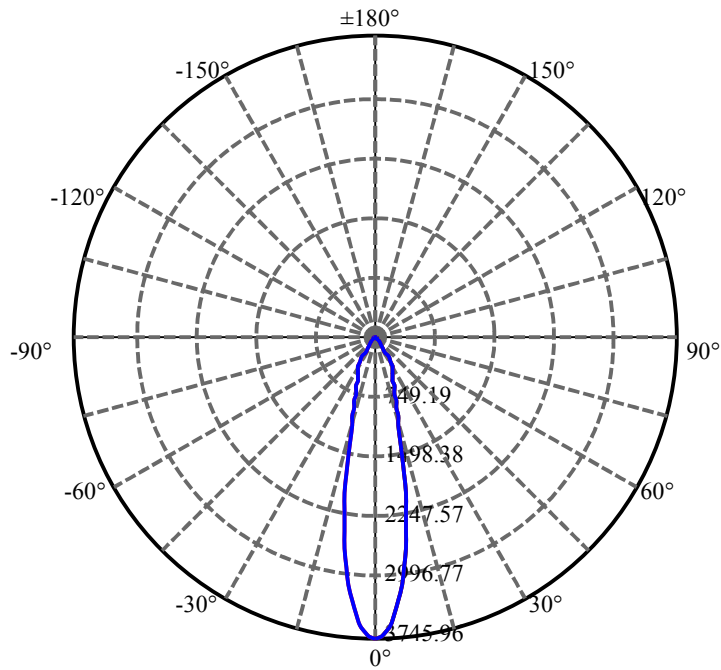
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	11.879	1.313	1030.352	.099%	77.939%
77.0	10.998	1.220	1031.572	.092%	78.031%
78.0	10.116	1.130	1032.702	.085%	78.117%
79.0	9.188	1.037	1033.739	.078%	78.195%
80.0	8.306	.943	1034.682	.071%	78.266%
81.0	7.517	.856	1035.538	.065%	78.331%
82.0	6.728	.773	1036.310	.058%	78.390%
83.0	5.940	.689	1036.999	.052%	78.442%
84.0	5.197	.607	1037.606	.046%	78.488%
85.0	4.408	.524	1038.130	.040%	78.527%
86.0	3.712	.444	1038.574	.034%	78.561%
87.0	3.063	.371	1038.945	.028%	78.589%
88.0	2.413	.300	1039.245	.023%	78.612%
89.0	1.810	.231	1039.476	.018%	78.629%
90.0	1.485	.181	1039.657	.014%	78.643%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	853.15	64.54%	82.06%
0-40	948.68	71.76%	91.25%
0-60	1001.21	75.73%	96.30%
0-90	1039.48	78.63%	99.98%
0-120	1039.48	78.63%	99.98%
0-180	1039.66	78.64%	100.00%
60-90	40.42	3.06%	3.89%
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%
0-29.07	831.73	62.91%	80.00%

ZONAL LUMEN SUMMARY

0-10	277.50
10-20	334.68
20-30	240.98
30-40	95.53
40-50	28.60
50-60	23.93
60-70	19.96
70-80	13.51
80-90	4.79
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:

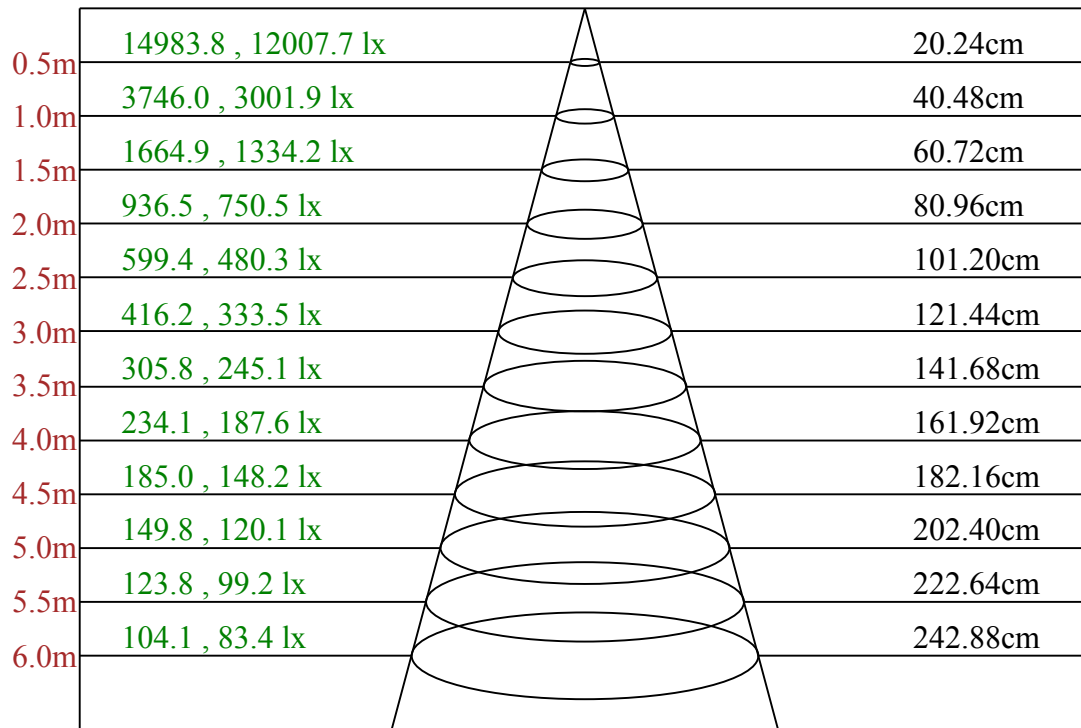
C90/C270:

Field angle(10%Imax):C0/180Left:30.7 Right:30.7

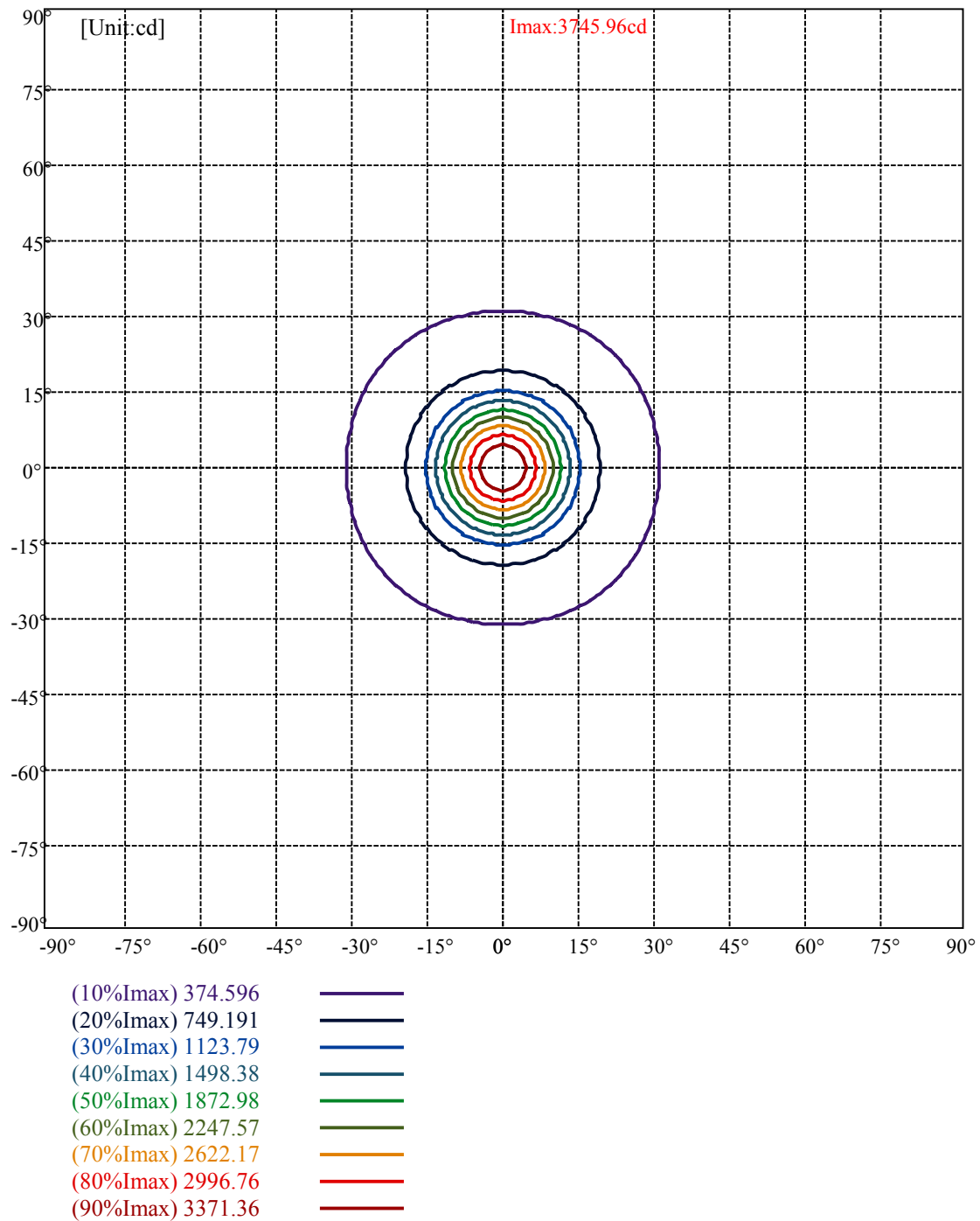
:C90/270Left:30.7 Right:30.7

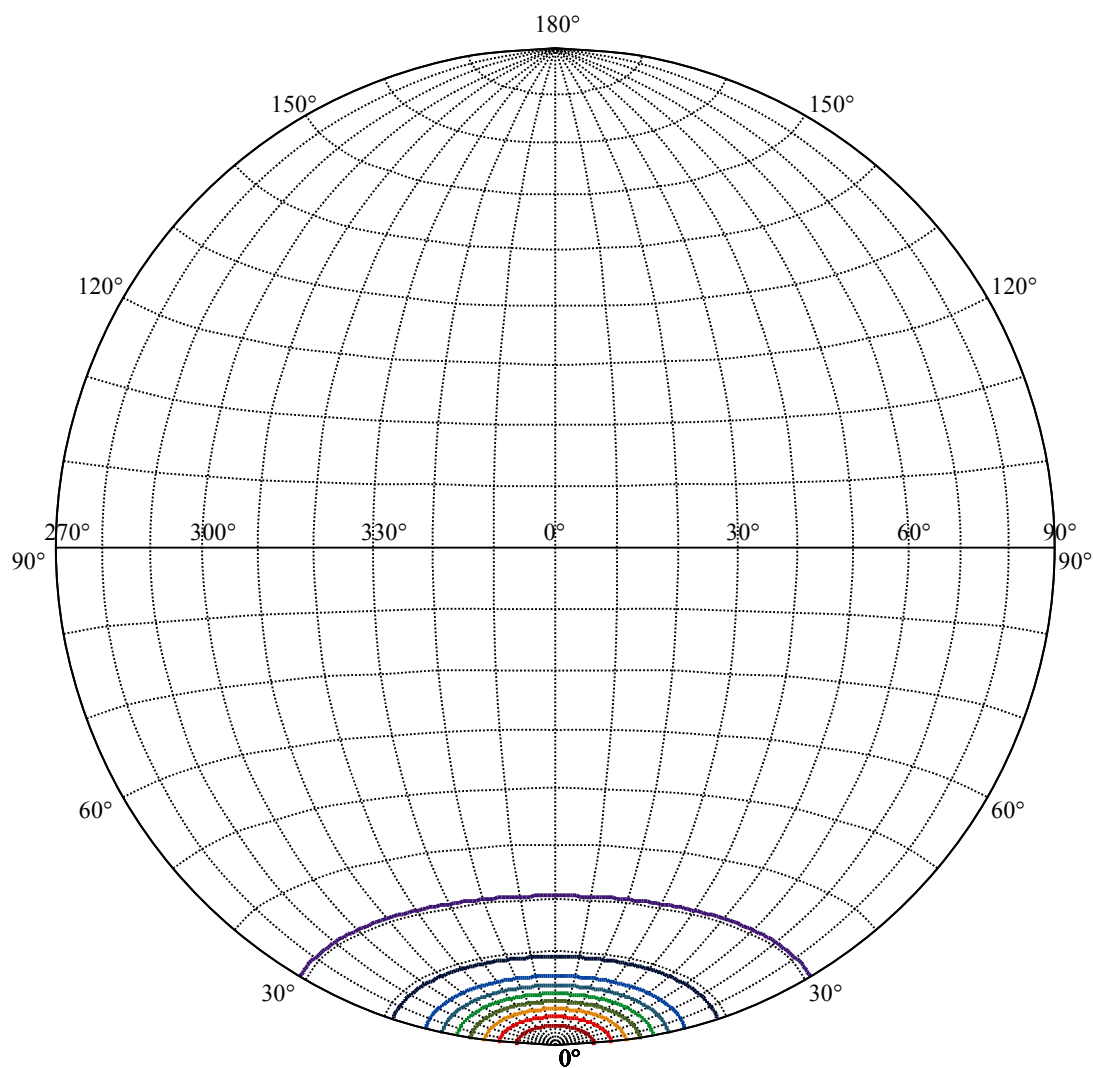
Beam Angle(50%Imax):C0/180Left:11.4 Right:11.4

:C90/270Left:11.4 Right:11.4



Max , Ave Beam angle of C0plane22.88





House

[Unit:cd]

Road

Imax:3745.96

(10%Imax) 374.596

(20%Imax) 749.191

(30%Imax) 1123.79

(40%Imax) 1498.38

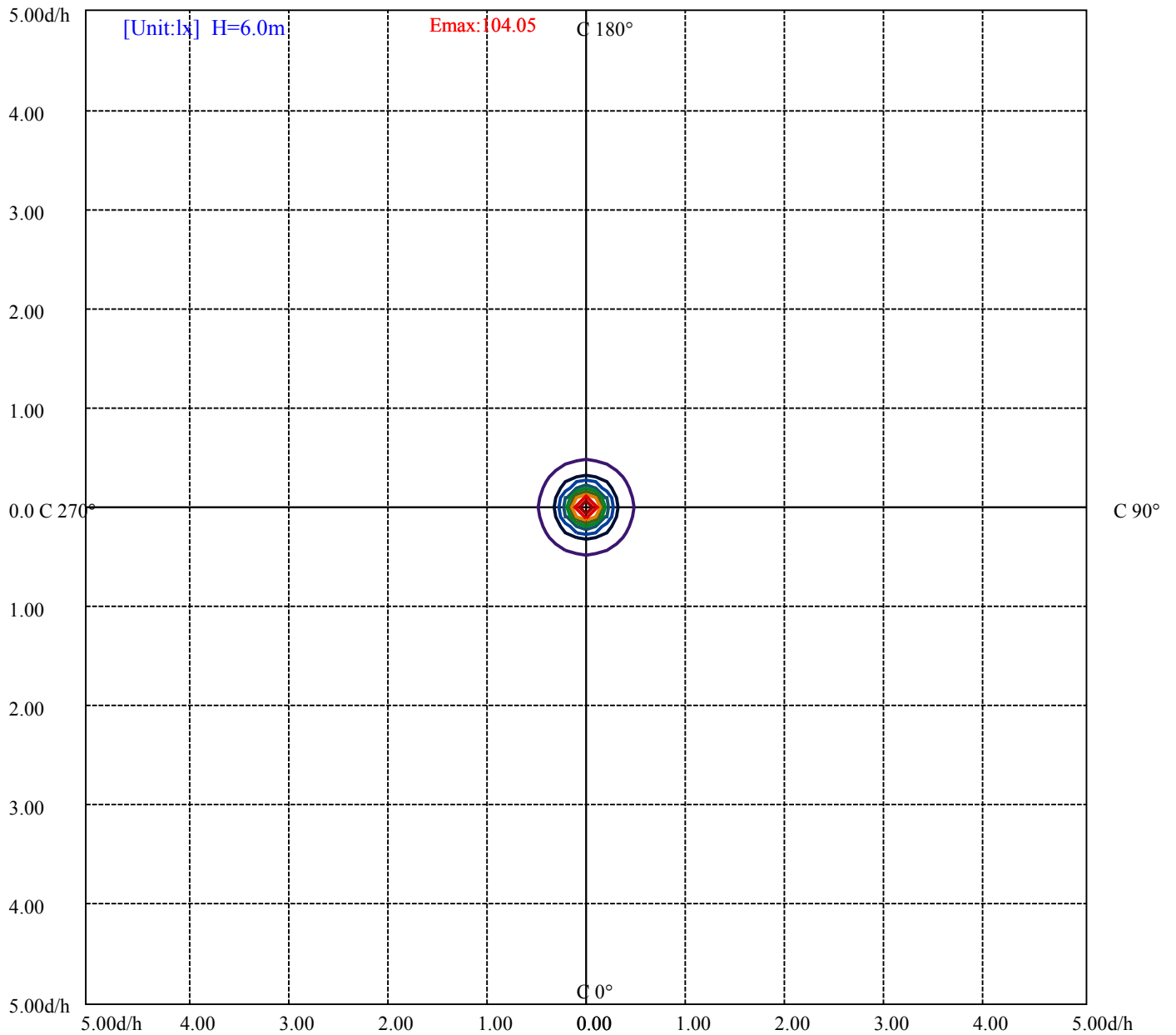
(50%Imax) 1872.98

(60%Imax) 2247.57

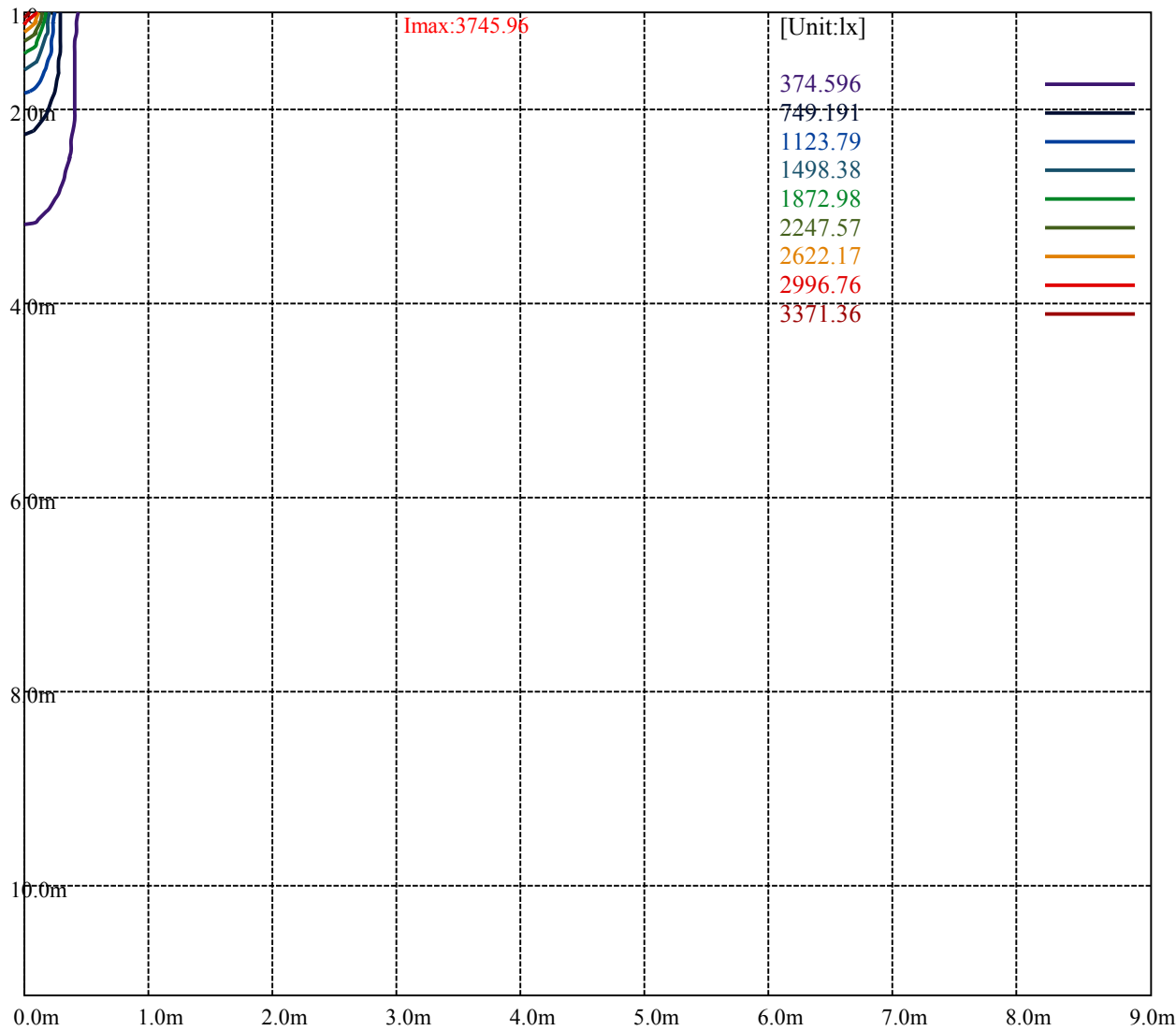
(70%Imax) 2622.17

(80%Imax) 2996.76

(90%Imax) 3371.36



(10%Emax)	10.40542	<div></div>
(20%Emax)	20.81083	<div></div>
(30%Emax)	31.21639	<div></div>
(40%Emax)	41.62167	<div></div>
(50%Emax)	52.02722	<div></div>
(60%Emax)	62.4325	<div></div>
(70%Emax)	72.83805	<div></div>
(80%Emax)	83.24333	<div></div>
(90%Emax)	93.6489	<div></div>



Luminance Table

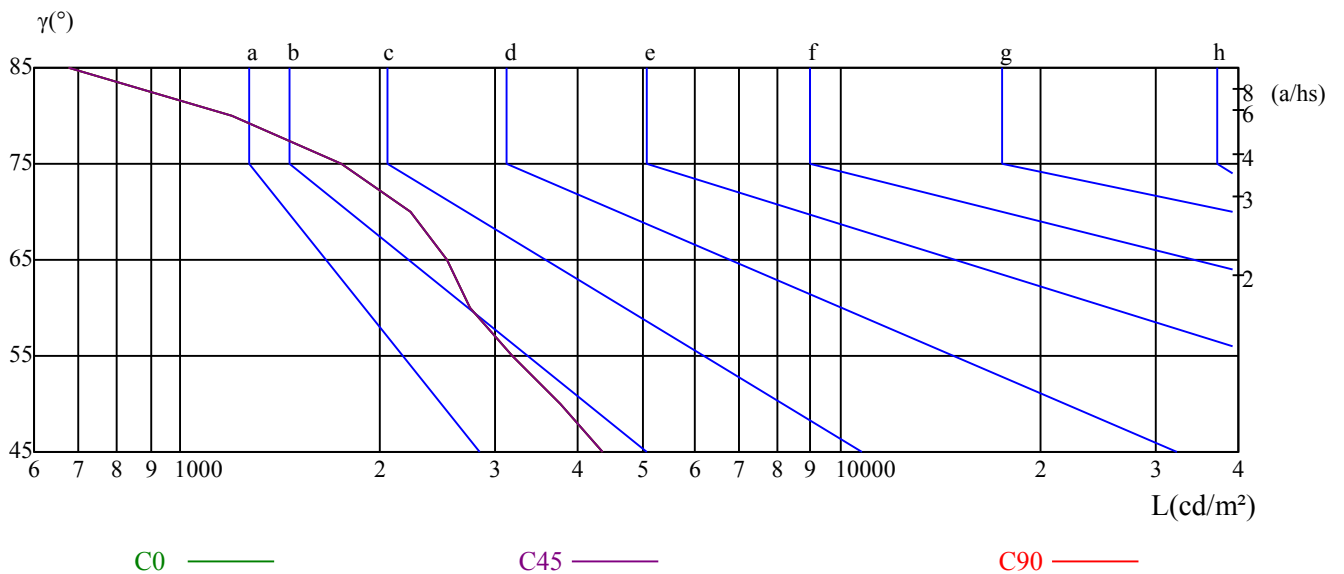
γ	45	50	55	60	65	70	75	80	85
C0	4362	3759	3175	2748	2537	2223	1748	1195	679
C45	4362	3759	3175	2748	2537	2223	1748	1195	679
C90	4362	3759	3175	2748	2537	2223	1748	1195	679

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
7889	7889	7889	8165	8165	8165	8316	8316	8316

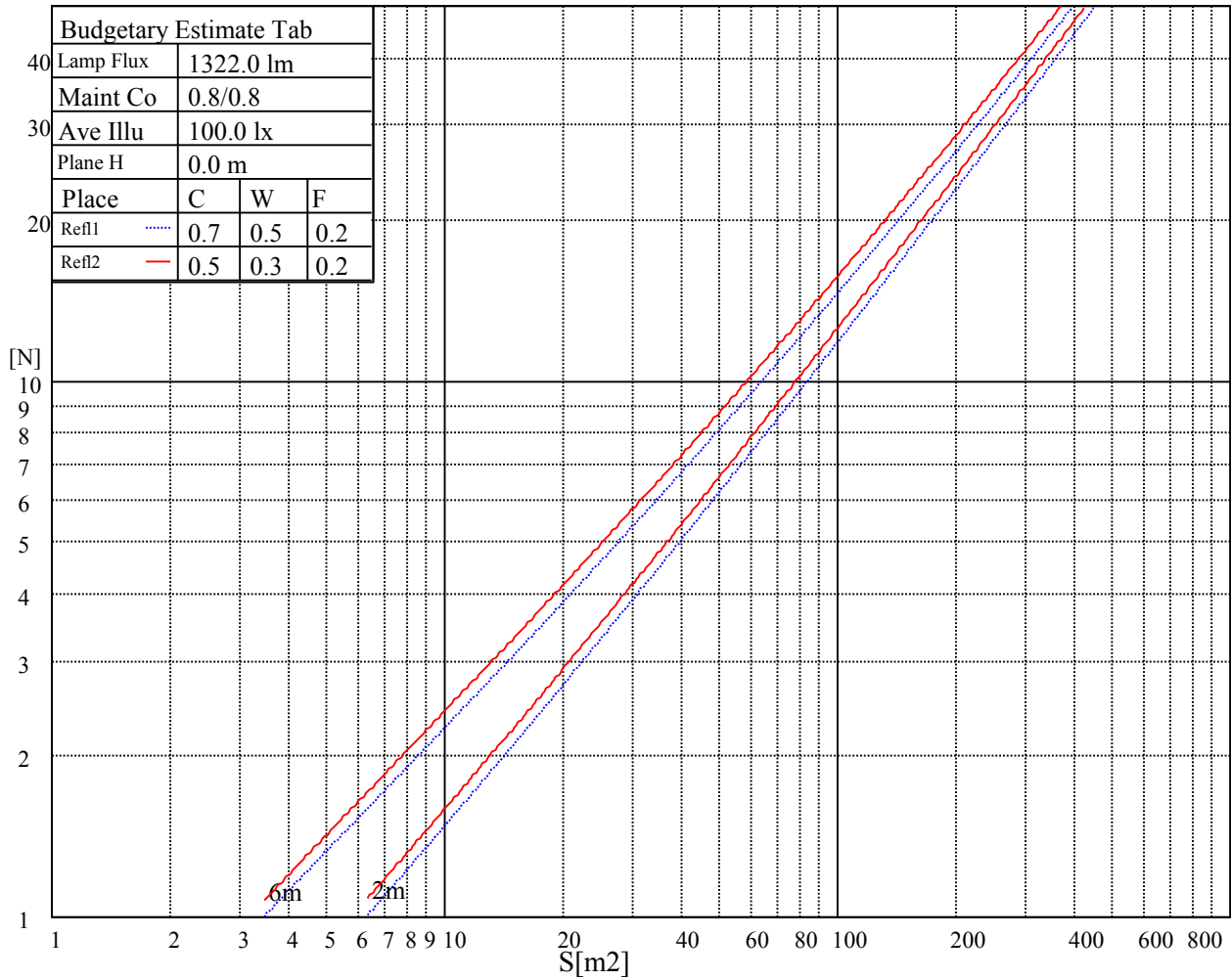
Glare Table

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

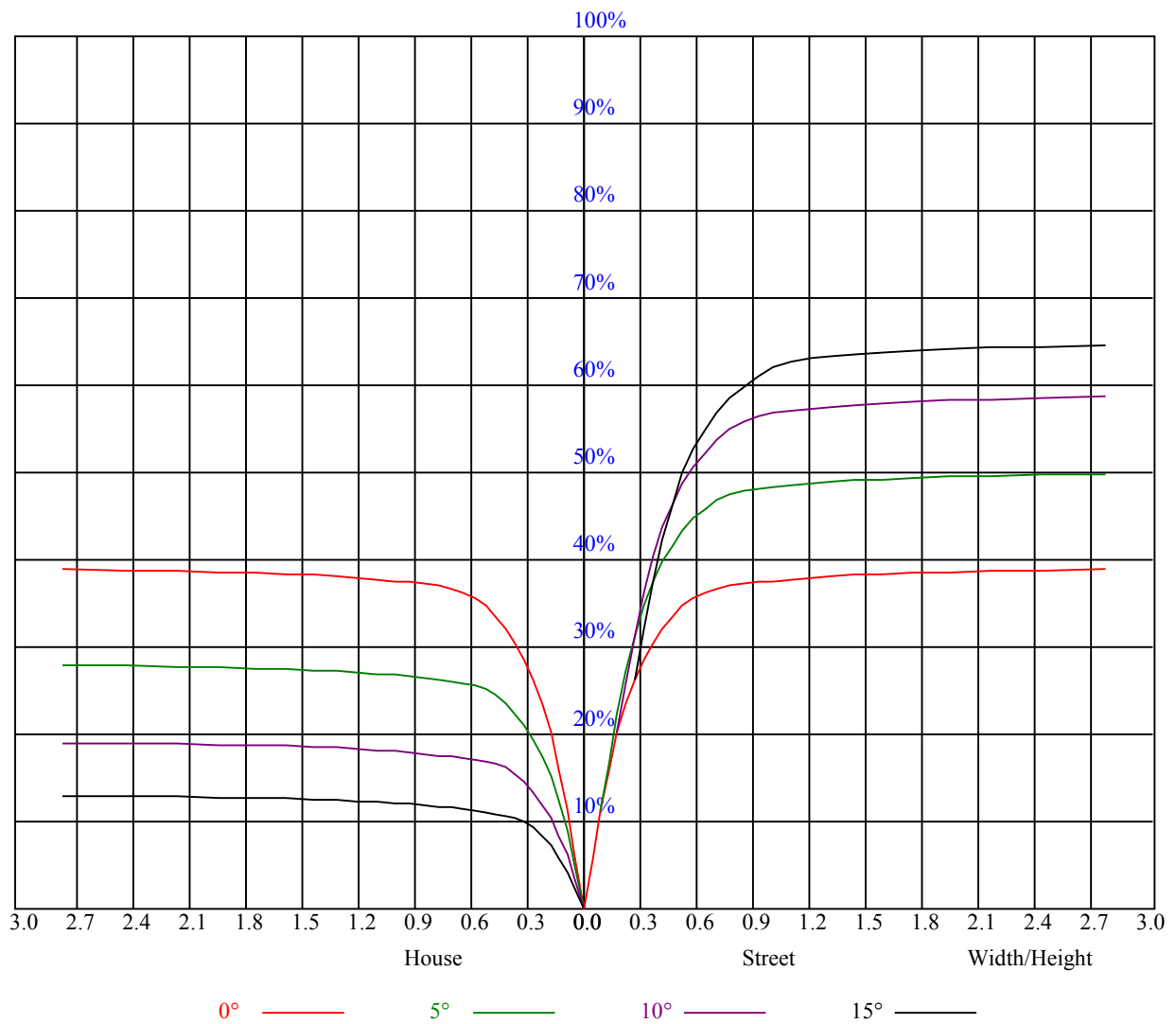
Luminance Limiting Curve



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	7.9	8.7	8.2	8.9	9.1	7.9	8.7	8.2	8.9	9.1
	3H	8.7	9.4	9.0	9.6	9.9	8.7	9.4	9.0	9.6	9.9
	4H	8.9	9.5	9.2	9.8	10.1	8.9	9.5	9.2	9.8	10.1
	6H	9.2	9.8	9.5	10.1	10.4	9.2	9.8	9.5	10.1	10.4
	8H	9.3	9.9	9.6	10.2	10.5	9.3	9.9	9.6	10.2	10.5
	12H	9.1	9.6	9.5	9.9	10.3	9.1	9.6	9.5	9.9	10.3
4H	2H	8.0	8.6	8.3	8.9	9.2	8.0	8.6	8.3	8.9	9.2
	3H	9.0	9.4	9.4	9.8	10.2	9.0	9.4	9.4	9.8	10.2
	4H	9.5	9.9	9.9	10.3	10.7	9.5	9.9	9.9	10.3	10.7
	6H	9.9	10.3	10.3	10.7	11.1	9.9	10.3	10.3	10.7	11.1
	8H	9.8	10.0	10.3	10.5	11.0	9.8	10.0	10.3	10.5	11.0
	12H	9.9	10.1	10.4	10.6	11.1	9.9	10.1	10.4	10.6	11.1
8H	4H	9.5	9.8	10.0	10.2	10.7	9.5	9.8	10.0	10.2	10.7
	6H	10.0	10.3	10.5	10.7	11.2	10.0	10.3	10.5	10.7	11.2
	8H	10.2	10.4	10.7	10.9	11.4	10.2	10.4	10.7	10.9	11.4
	12H	10.3	10.6	10.8	11.0	11.6	10.3	10.6	10.8	11.0	11.6
12H	4H	9.6	9.8	10.0	10.3	10.8	9.6	9.8	10.0	10.3	10.8
	6H	10.1	10.3	10.6	10.8	11.3	10.1	10.3	10.6	10.8	11.3
	8H	10.3	10.5	10.8	11.0	11.5	10.3	10.5	10.8	11.0	11.5
Variation with the observer position at spacings:											
S = 1.0H		3.5/-1.5					3.5/-1.5				
S = 1.5H		5.2/-1.6					5.2/-1.6				
S = 2.0H		6.9/-1.6					6.9/-1.6				
Standard tables:		BK3					BK3				
Uncorrected UGR		-3.1					-3.1				



RHOC	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	0.94	0.94	0.94	0.91	0.91	0.91	0.87	0.87	0.87	0.84	0.84	0.84	0.80	0.80	0.80	0.79
1	0.87	0.85	0.84	0.86	0.84	0.82	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74
2	0.82	0.79	0.76	0.81	0.78	0.76	0.78	0.76	0.74	0.76	0.74	0.72	0.74	0.72	0.71	0.70
3	0.77	0.74	0.71	0.76	0.73	0.70	0.74	0.71	0.69	0.72	0.70	0.68	0.71	0.69	0.67	0.66
4	0.73	0.69	0.66	0.72	0.69	0.66	0.71	0.68	0.65	0.69	0.67	0.64	0.68	0.66	0.64	0.63
5	0.70	0.66	0.63	0.69	0.65	0.62	0.68	0.64	0.62	0.66	0.63	0.61	0.65	0.63	0.61	0.60
6	0.66	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.64	0.61	0.58	0.63	0.60	0.58	0.57
7	0.64	0.59	0.57	0.63	0.59	0.56	0.62	0.59	0.56	0.61	0.58	0.56	0.60	0.58	0.56	0.55
8	0.61	0.57	0.54	0.61	0.57	0.54	0.60	0.56	0.54	0.59	0.56	0.54	0.58	0.55	0.53	0.52
9	0.59	0.55	0.52	0.58	0.54	0.52	0.58	0.54	0.52	0.57	0.54	0.52	0.56	0.53	0.51	0.51
10	0.56	0.53	0.50	0.56	0.52	0.50	0.56	0.52	0.50	0.55	0.52	0.50	0.54	0.52	0.50	0.49



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	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
45.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
90.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
135.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
180.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
225.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
270.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
315.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
360.0	3745.96	3719.60	3671.71	3573.48	3445.91	3288.65	3098.63	2888.01	2661.93
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
45.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
90.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
135.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
180.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
225.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
270.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
315.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
360.0	2428.94	2192.09	1959.20	1734.33	1524.21	1322.73	1133.54	1007.32	919.85
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
45.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
90.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
135.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
180.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
225.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
270.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
315.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
360.0	827.93	747.42	694.10	640.32	603.15	567.47	536.75	512.48	491.37
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
45.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
90.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
135.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
180.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
225.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
270.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
315.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
360.0	474.94	461.20	442.83	413.27	360.09	293.50	220.83	170.95	115.68
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
45.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
90.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
135.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
180.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
225.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
270.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
315.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05
360.0	67.93	54.85	47.56	43.71	41.86	40.79	39.86	38.89	38.05

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	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
45.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
90.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
135.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
180.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
225.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
270.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
315.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
360.0	37.22	36.29	35.31	34.25	33.13	31.93	30.77	29.65	28.72
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
45.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
90.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
135.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
180.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
225.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
270.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
315.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
360.0	27.75	26.64	25.61	24.55	23.71	23.06	22.60	22.23	21.76
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
45.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
90.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
135.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
180.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
225.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
270.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
315.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
360.0	21.35	20.84	20.28	19.72	19.12	18.51	17.82	17.12	16.33
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
45.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
90.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
135.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
180.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
225.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
270.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
315.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
360.0	15.50	14.66	13.78	12.85	11.88	11.00	10.12	9.19	8.31
C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
45.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
90.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
135.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
180.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
225.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
270.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
315.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81
360.0	7.52	6.73	5.94	5.20	4.41	3.71	3.06	2.41	1.81

Intensity data(cd)

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C/ γ (°)	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