

DILUCE | 登路仕

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HX-DA613.5R-30090

LumCAT: HX-DA613.5R-30090	Luminaire: HX-DA613.5R
Report No:	Voltage(V): 230.600
Test No:	Current(A): 0.067
LampCAT: 2835 12C5B 30090	Power (W): 7.800
Lamp flux(lm): 902.0	PF: 0.504
Number of Lamps: 1	Ballast type: LS-8-200SI1 8/220-240/200CS
Length(mm): -95	Width(mm): -95
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 494.60
Efficiency(%): 54.83%
Lumens(lm)/Power(W): 63.41
Central intensity(cd): 235.354
Maximum intensity(cd): 235.777
Angle of maximum intensity: C=30.0 γ =0.0
Beam Angle(50%Imax): [H]Left=46.0 Right=44.9
[V]Left=46.2 Right=44.7
Field angle(10%Imax): [H]Left=69.6 Right=69.8
[V]Left=70.0 Right=69.4
Maximum s/h: C0_180=1.15 C90_270=1.14
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 54.83%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 88.299%

Equipment: GMS-1980
Temperature(°C): 25.0

Date: 2023-9-22
Humidity(%): 65.3%

Operator: MinLi Ke
Distance(m): 7.27

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	235.508	.000	.000	.000%	.000%
1.0	235.447	.225	.225	.025%	.025%
2.0	235.262	.676	.901	.075%	.100%
3.0	234.962	1.125	2.026	.125%	.225%
4.0	234.544	1.572	3.597	.174%	.399%
5.0	233.997	2.016	5.613	.223%	.622%
6.0	233.288	2.456	8.069	.272%	.895%
7.0	232.531	2.891	10.960	.321%	1.215%
8.0	231.588	3.322	14.281	.368%	1.583%
9.0	230.580	3.746	18.027	.415%	1.999%
10.0	229.439	4.163	22.190	.462%	2.460%
11.0	228.118	4.572	26.762	.507%	2.967%
12.0	226.730	4.972	31.734	.551%	3.518%
13.0	225.171	5.363	37.097	.595%	4.113%
14.0	223.581	5.744	42.841	.637%	4.750%
15.0	221.749	6.114	48.955	.678%	5.427%
16.0	219.881	6.471	55.426	.717%	6.145%
17.0	217.794	6.816	62.242	.756%	6.900%
18.0	215.618	7.146	69.388	.792%	7.693%
19.0	213.244	7.461	76.849	.827%	8.520%
20.0	210.804	7.761	84.610	.860%	9.380%
21.0	208.152	8.045	92.655	.892%	10.272%
22.0	205.395	8.310	100.965	.921%	11.194%
23.0	202.559	8.560	109.525	.949%	12.143%
24.0	199.586	8.792	118.318	.975%	13.117%
25.0	196.481	9.006	127.323	.998%	14.116%
26.0	193.367	9.202	136.526	1.020%	15.136%
27.0	190.121	9.382	145.908	1.040%	16.176%
28.0	186.712	9.541	155.449	1.058%	17.234%
29.0	183.303	9.681	165.129	1.073%	18.307%
30.0	179.718	9.801	174.931	1.087%	19.394%
31.0	176.172	9.904	184.835	1.098%	20.492%
32.0	172.499	9.989	194.824	1.107%	21.599%
33.0	168.751	10.053	204.877	1.115%	22.714%
34.0	164.950	10.099	214.976	1.120%	23.833%
35.0	161.087	10.125	225.101	1.123%	24.956%
36.0	157.171	10.133	235.234	1.123%	26.079%
37.0	153.155	10.121	245.356	1.122%	27.201%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	149.226	10.093	255.449	1.119%	28.320%
39.0	145.090	10.046	265.494	1.114%	29.434%
40.0	141.042	9.979	275.474	1.106%	30.540%
41.0	136.713	9.891	285.364	1.097%	31.637%
42.0	132.577	9.784	295.148	1.085%	32.722%
43.0	128.221	9.661	304.809	1.071%	33.793%
44.0	124.125	9.524	314.333	1.056%	34.848%
45.0	119.756	9.373	323.706	1.039%	35.888%
46.0	115.594	9.204	332.910	1.020%	36.908%
47.0	111.247	9.022	341.932	1.000%	37.908%
48.0	107.040	8.824	350.756	.978%	38.886%
49.0	102.799	8.617	359.373	.955%	39.842%
50.0	98.456	8.391	367.764	.930%	40.772%
51.0	94.215	8.152	375.916	.904%	41.676%
52.0	89.779	7.895	383.811	.875%	42.551%
53.0	85.516	7.625	391.437	.845%	43.397%
54.0	81.231	7.349	398.786	.815%	44.211%
55.0	77.209	7.072	405.859	.784%	44.995%
56.0	72.955	6.785	412.644	.752%	45.748%
57.0	68.850	6.484	419.128	.719%	46.466%
58.0	64.736	6.177	425.305	.685%	47.151%
59.0	60.741	5.866	431.171	.650%	47.802%
60.0	56.742	5.550	436.722	.615%	48.417%
61.0	52.893	5.232	441.954	.580%	48.997%
62.0	49.180	4.918	446.872	.545%	49.542%
63.0	45.387	4.599	451.471	.510%	50.052%
64.0	41.829	4.280	455.751	.474%	50.527%
65.0	38.085	3.955	459.706	.438%	50.965%
66.0	34.773	3.635	463.341	.403%	51.368%
67.0	31.364	3.326	466.666	.369%	51.737%
68.0	28.364	3.026	469.692	.335%	52.072%
69.0	25.444	2.745	472.437	.304%	52.377%
70.0	22.714	2.473	474.910	.274%	52.651%
71.0	20.287	2.222	477.133	.246%	52.897%
72.0	18.120	1.997	479.130	.221%	53.119%
73.0	16.217	1.796	480.925	.199%	53.318%
74.0	14.587	1.619	482.545	.180%	53.497%
75.0	13.363	1.477	484.022	.164%	53.661%

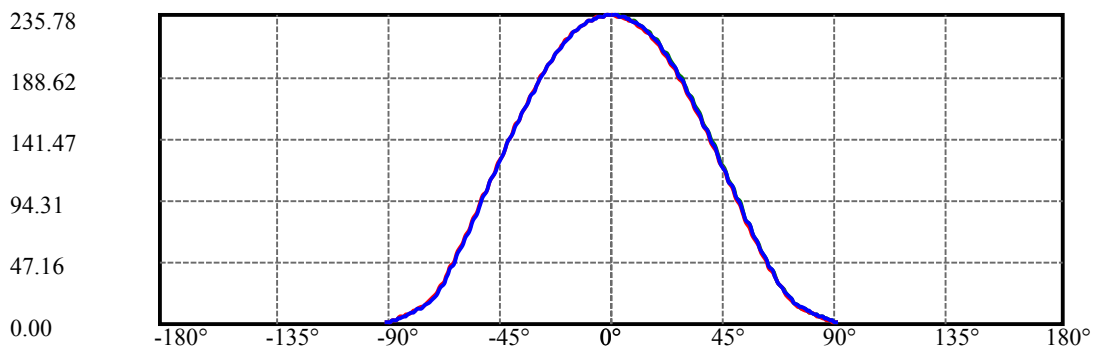
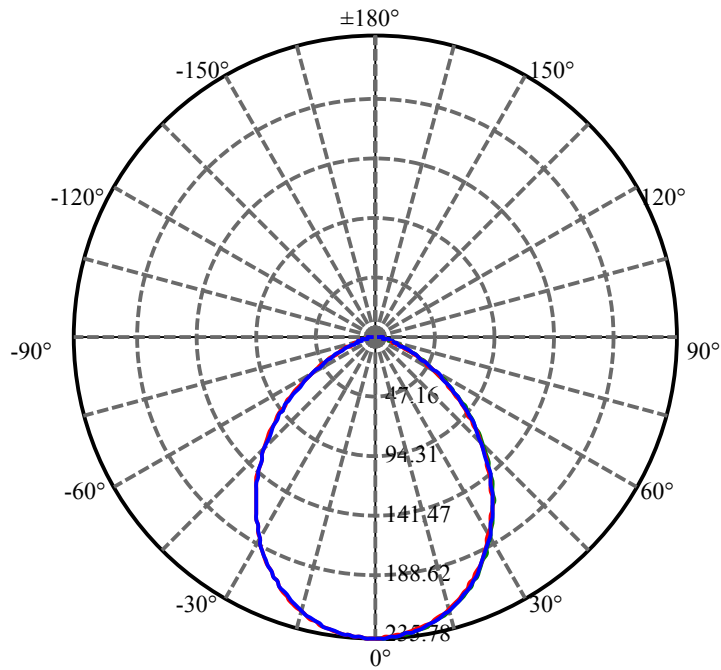
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	12.266	1.361	485.382	.151%	53.812%
77.0	11.306	1.257	486.639	.139%	53.951%
78.0	10.284	1.156	487.795	.128%	54.079%
79.0	9.355	1.055	488.850	.117%	54.196%
80.0	8.448	.960	489.810	.106%	54.303%
81.0	7.562	.866	490.676	.096%	54.399%
82.0	6.726	.775	491.450	.086%	54.485%
83.0	5.871	.685	492.135	.076%	54.560%
84.0	5.078	.596	492.732	.066%	54.627%
85.0	4.281	.511	493.242	.057%	54.683%
86.0	3.502	.425	493.668	.047%	54.730%
87.0	2.775	.343	494.011	.038%	54.768%
88.0	2.057	.265	494.276	.029%	54.798%
89.0	1.387	.189	494.465	.021%	54.819%
90.0	1.009	.131	494.596	.015%	54.833%

ZONAL LUMEN SUMMARY

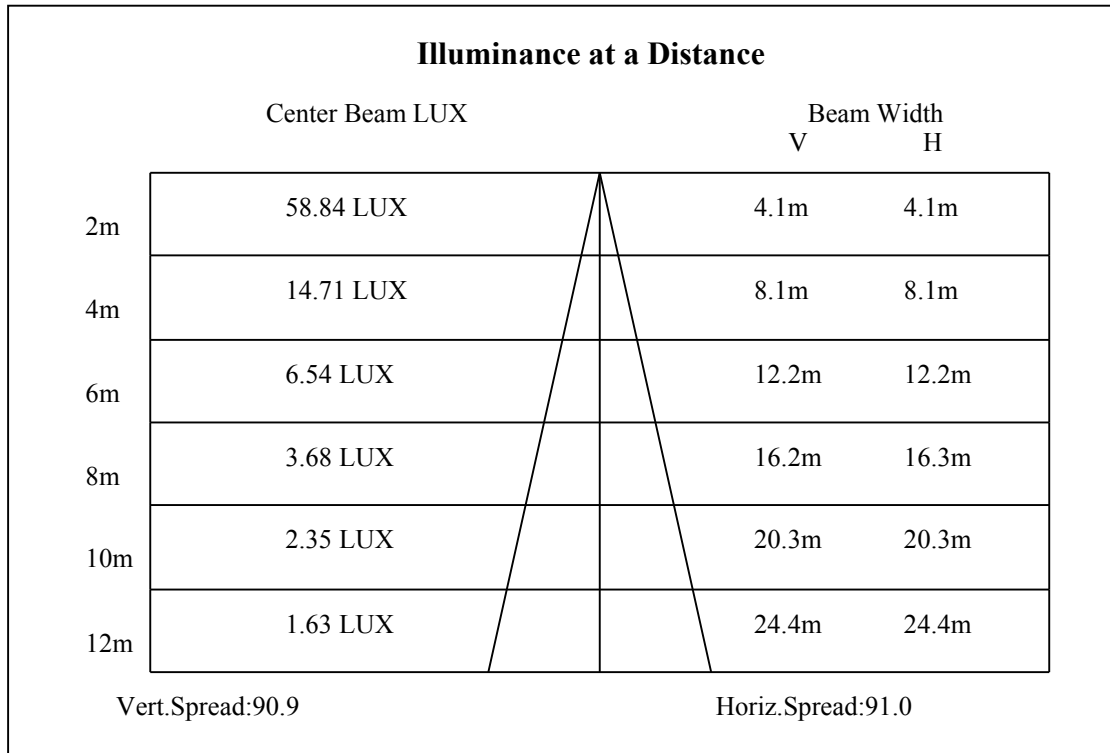
Zone	Lumens	%Lamp	%Fixt
0-30	174.93	19.39%	35.37%
0-40	275.47	30.54%	55.70%
0-60	436.72	48.42%	88.30%
0-90	494.46	54.82%	99.97%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-180	494.60	54.83%	100.00%

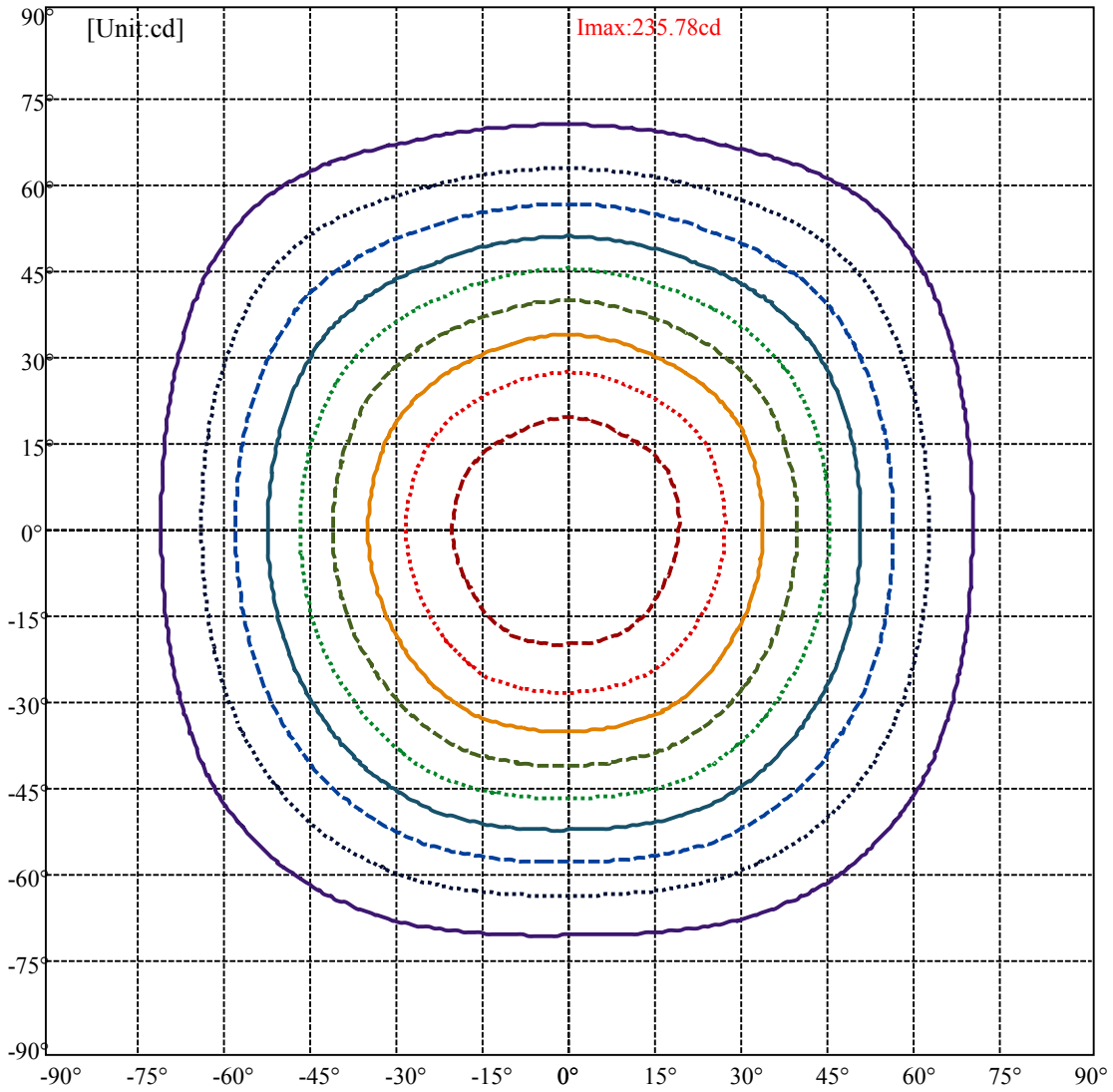
ZONAL LUMEN SUMMARY

0-10	22.19
10-20	62.42
20-30	90.32
30-40	100.54
40-50	92.29
50-60	68.96
60-70	38.19
70-80	14.90
80-90	4.66
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

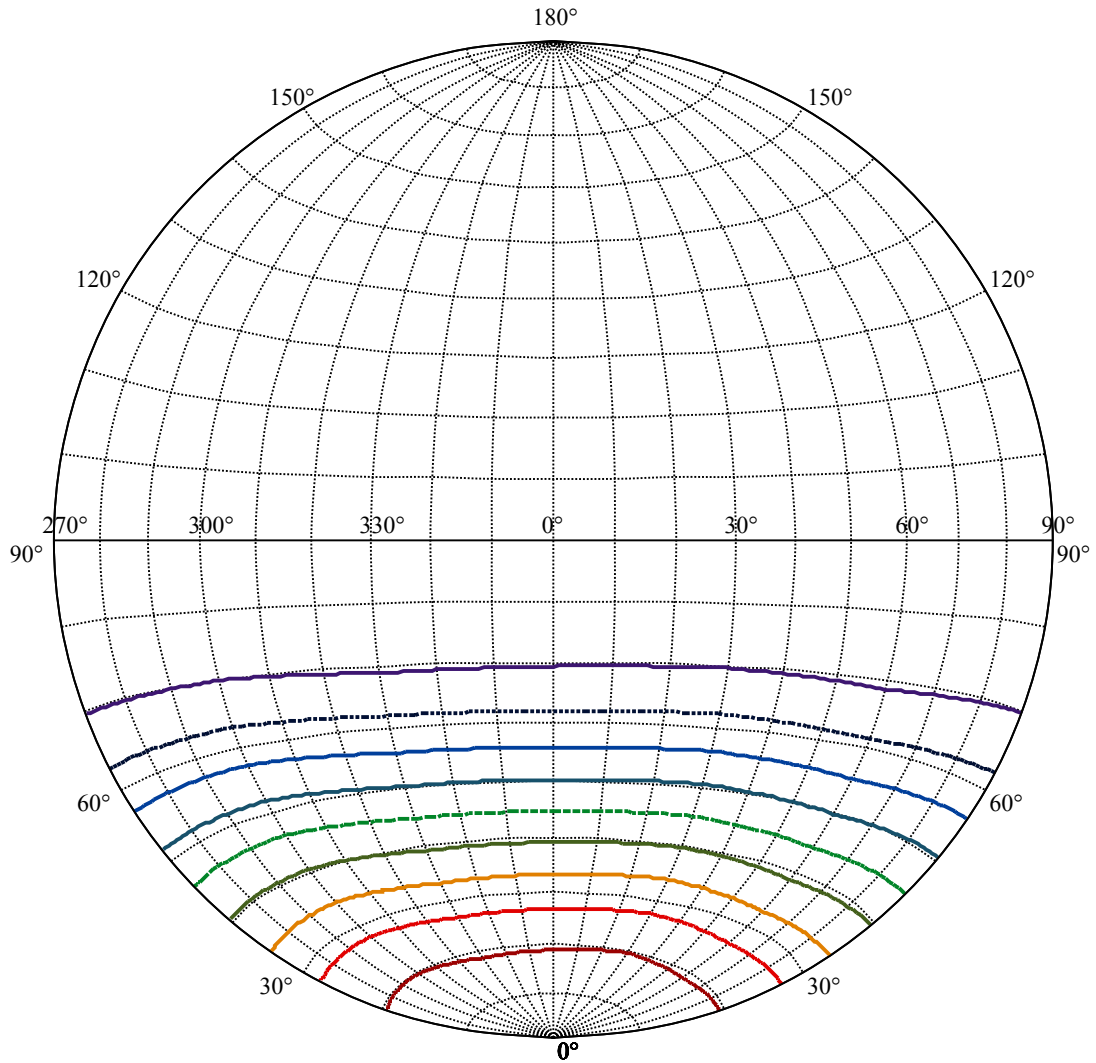


C30(Max): —
C0/C180: —
C90/C270: —





(10%Imax)	23.5707	———
(20%Imax)	47.1413
(30%Imax)	70.712	- - - - -
(40%Imax)	94.2826	———
(50%Imax)	117.853
(60%Imax)	141.424	- - - - -
(70%Imax)	164.995	———
(80%Imax)	188.565
(90%Imax)	212.136	- - - - -

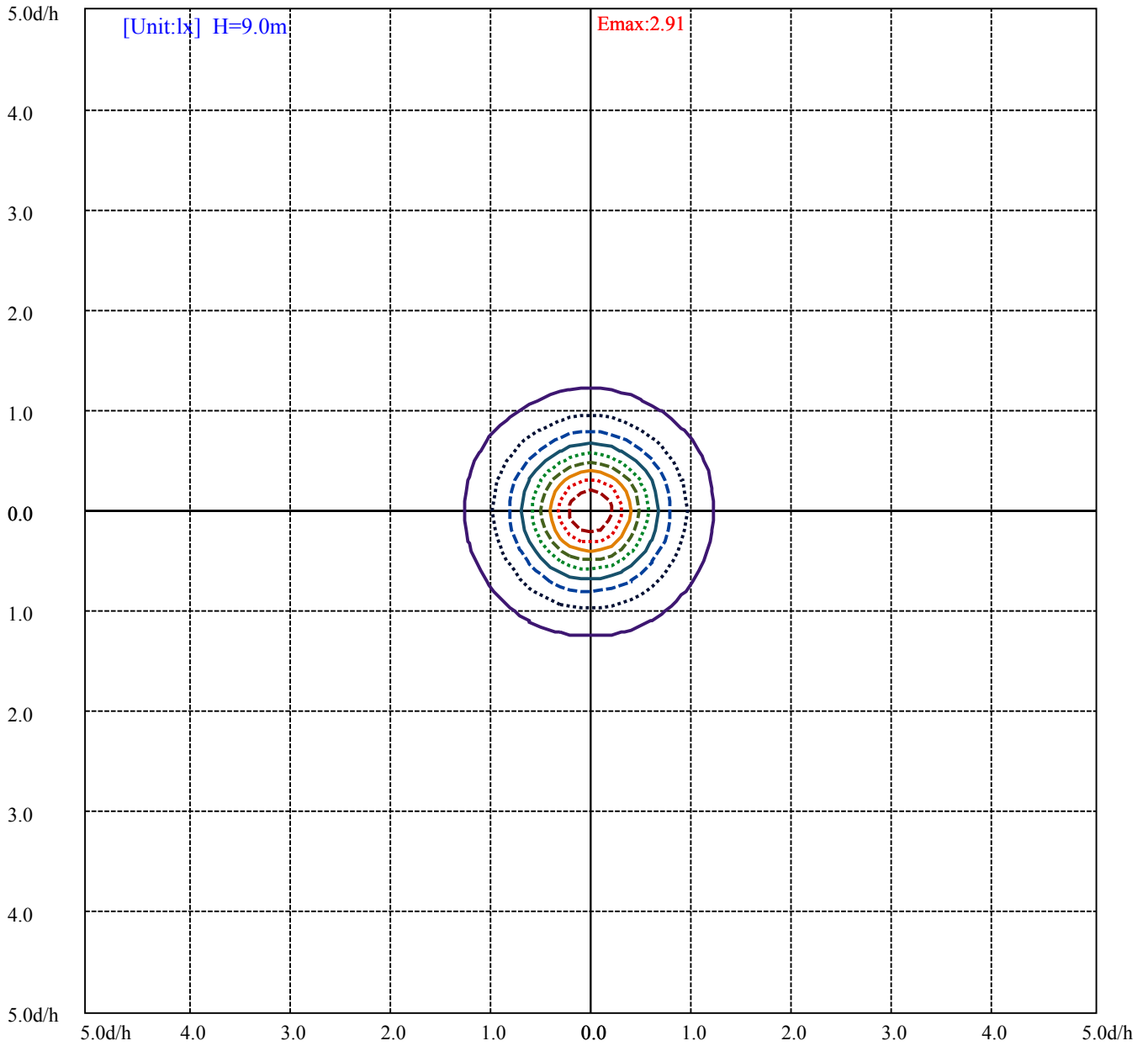


House

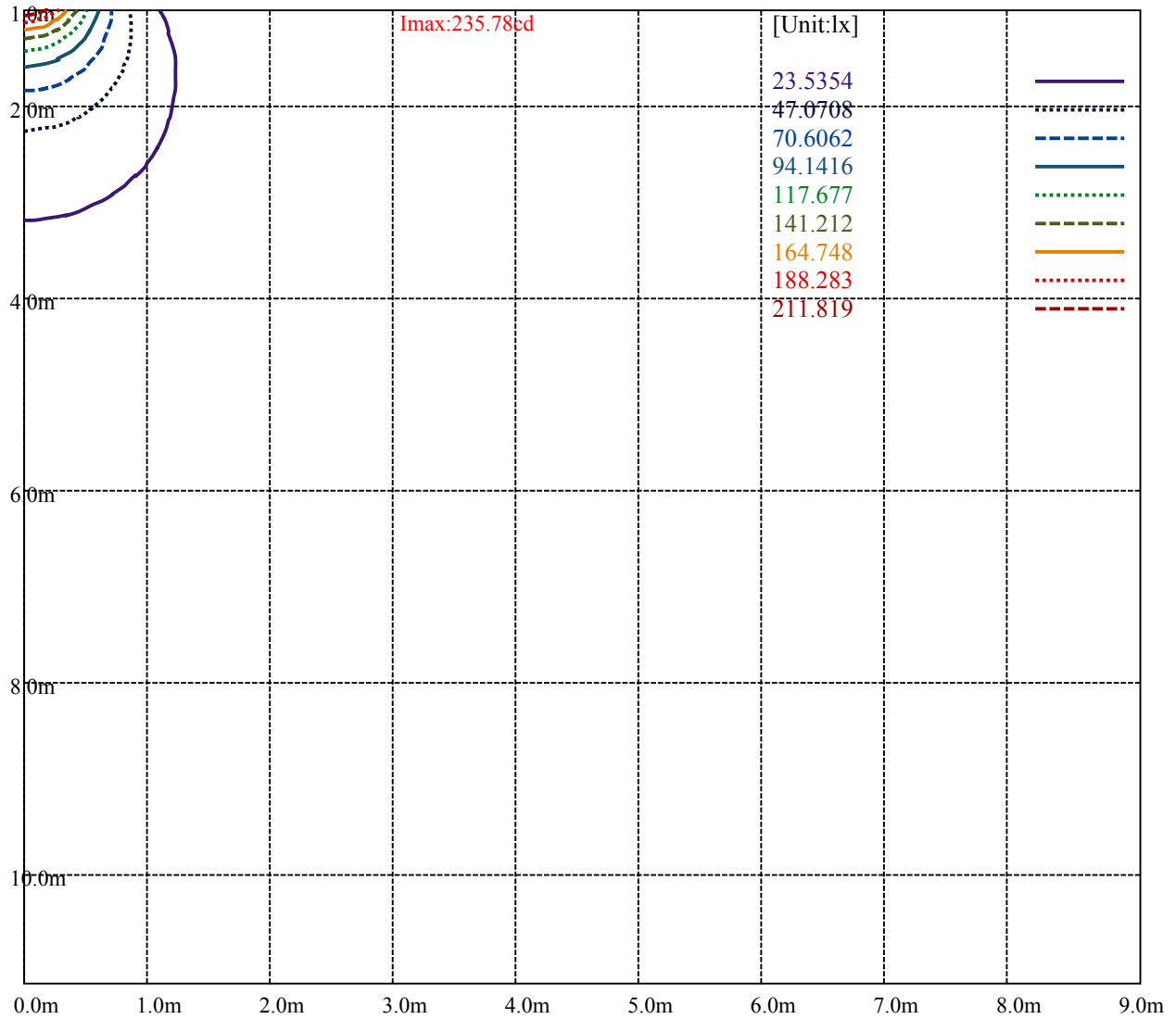
Road

I_{max}:235.78cd

(10%I _{max}) 23.5777	—
(20%I _{max}) 47.1554	⋯
(30%I _{max}) 70.733	- - -
(40%I _{max}) 94.3107	—
(50%I _{max}) 117.888	⋯
(60%I _{max}) 141.466	- - -
(70%I _{max}) 165.044	—
(80%I _{max}) 188.621	⋯
(90%I _{max}) 212.199	- - -



- (10%Emax) 0.2910827 ————
- (20%Emax) 0.5821654 ······
- (30%Emax) 0.8732469 - - - -
- (40%Emax) 1.16433 ————
- (50%Emax) 1.455407 ······
- (60%Emax) 1.746494 - - - -
- (70%Emax) 2.03758 ————
- (80%Emax) 2.328654 ······
- (90%Emax) 2.619741 - - - -

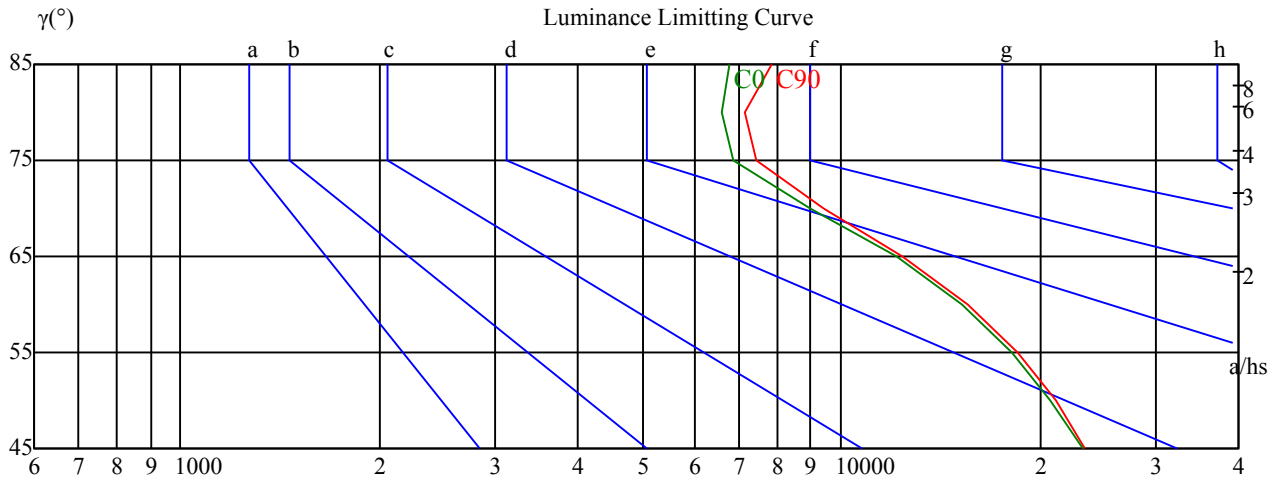


Luminance Table

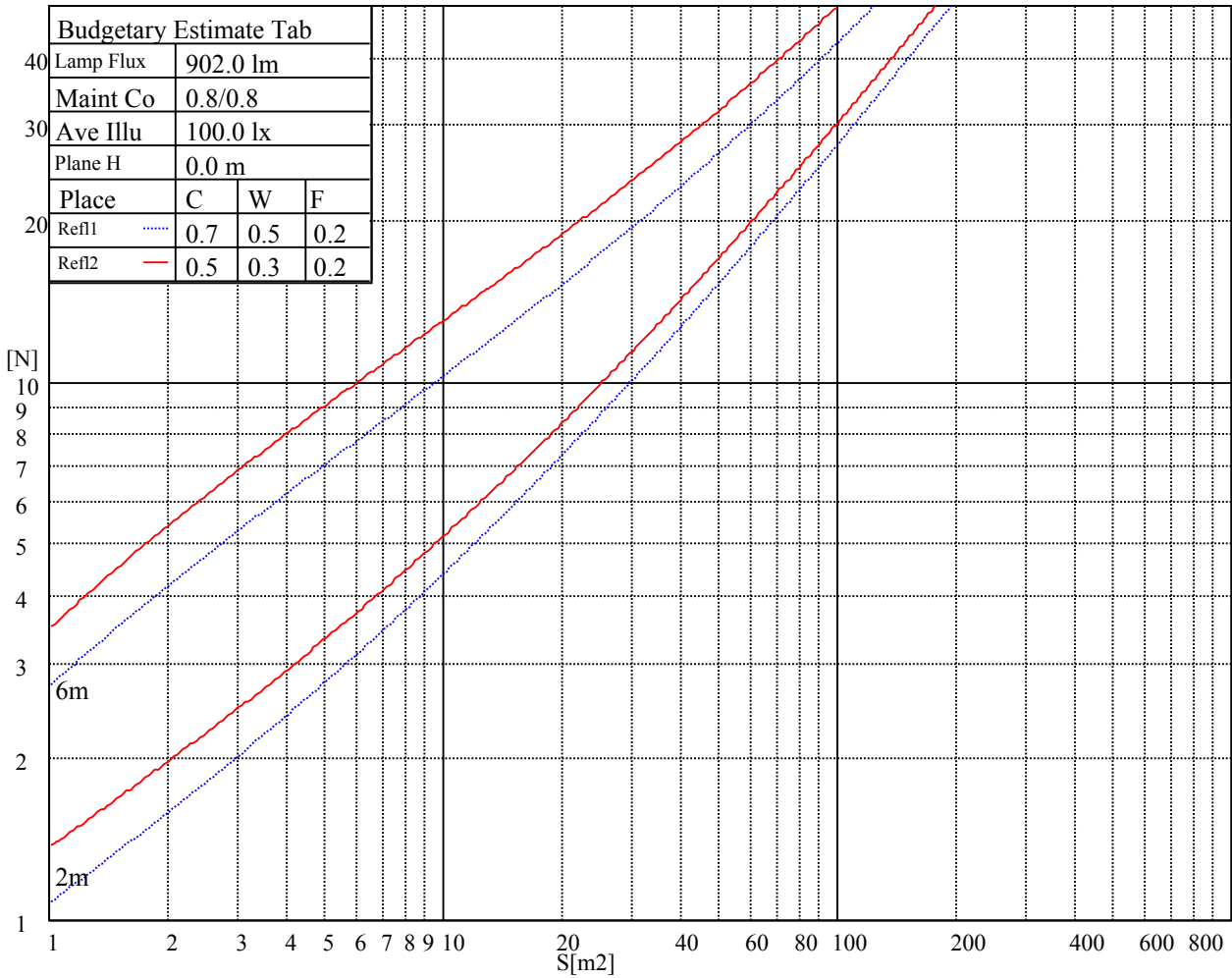
γ	45	50	55	60	65	70	75	80	85
C0	23273	20799	18148	15196	12156	9004	6885	6613	6759
C45	0	0	0	0	0	0	0	0	0
C90	23452	21194	18551	15539	12421	9440	7433	7171	7871

Glare Table

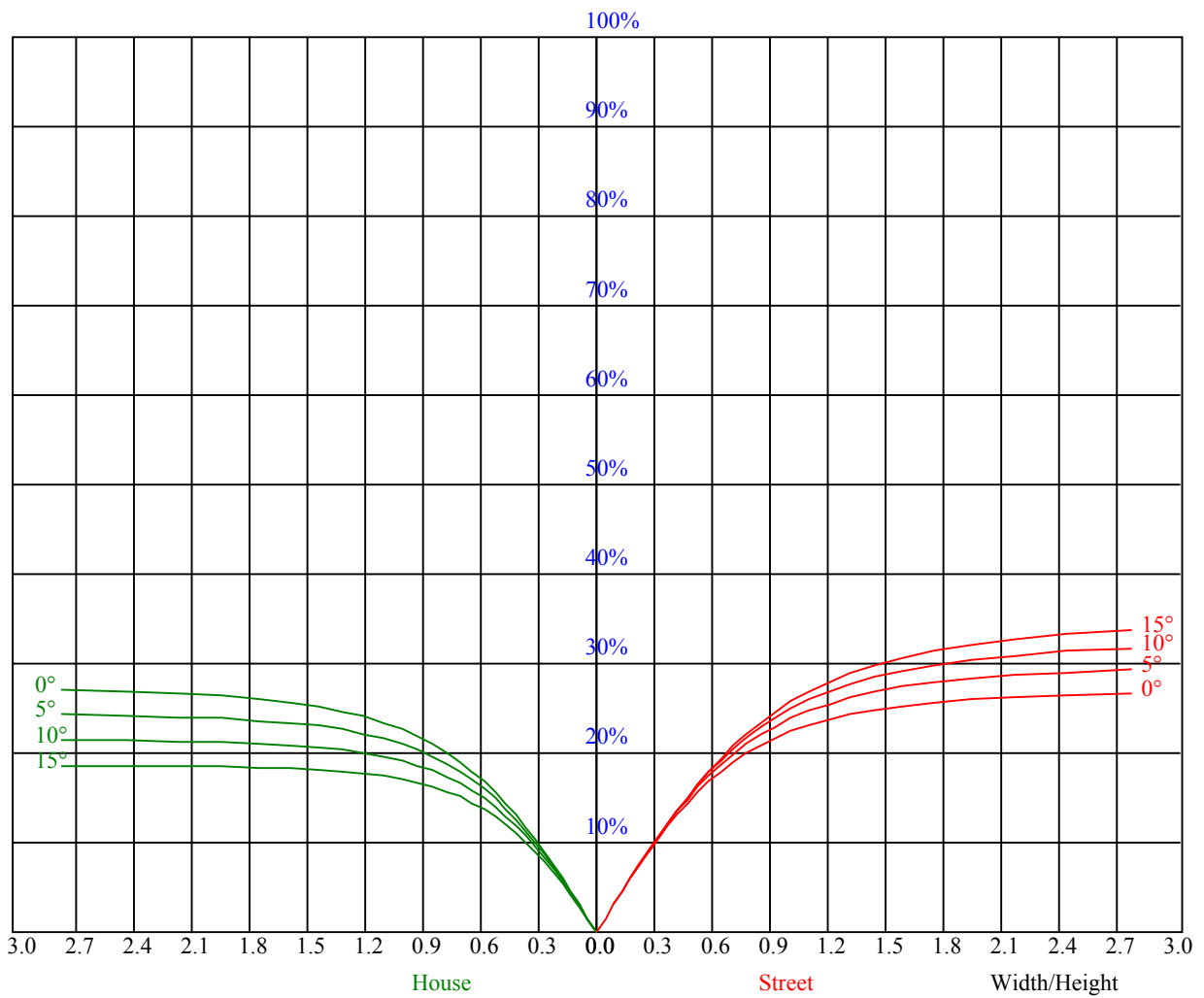
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



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	22.6	23.8	22.9	24.0	24.3	22.4	23.7	22.7	23.9	24.1
	3H	23.2	24.3	23.5	24.6	24.9	23.1	24.2	23.4	24.5	24.7
	4H	23.2	24.2	23.6	24.5	24.8	23.1	24.1	23.5	24.4	24.7
	6H	23.4	24.4	23.8	24.7	25.0	23.4	24.3	23.7	24.6	24.9
	8H	23.5	24.5	23.9	24.8	25.1	23.5	24.4	23.8	24.7	25.0
	12H	23.4	24.1	23.8	24.5	24.9	23.4	24.1	23.8	24.4	24.9
4H	2H	22.7	23.7	23.1	24.0	24.3	22.6	23.6	23.0	23.9	24.2
	3H	23.5	24.2	23.9	24.6	25.0	23.4	24.1	23.8	24.5	24.9
	4H	23.8	24.5	24.3	24.9	25.3	23.7	24.4	24.1	24.8	25.2
	6H	24.1	24.8	24.5	25.2	25.6	24.0	24.7	24.4	25.1	25.5
	8H	24.1	24.5	24.6	24.9	25.4	24.0	24.4	24.5	24.8	25.4
	12H	24.2	24.6	24.7	25.0	25.5	24.1	24.5	24.6	25.0	25.5
8H	4H	23.8	24.2	24.3	24.7	25.2	23.7	24.1	24.2	24.6	25.1
	6H	24.2	24.6	24.7	25.1	25.6	24.1	24.5	24.6	25.0	25.5
	8H	24.4	24.8	24.9	25.3	25.8	24.3	24.7	24.8	25.2	25.7
	12H	24.6	25.0	25.1	25.4	25.9	24.5	24.9	25.0	25.4	25.9
12H	4H	23.9	24.2	24.4	24.7	25.2	23.7	24.1	24.2	24.6	25.1
	6H	24.3	24.7	24.8	25.1	25.6	24.2	24.6	24.7	25.0	25.5
	8H	24.5	24.9	25.0	25.3	25.9	24.4	24.8	24.9	25.3	25.8
Variation with the observer position at spacings:											
S = 1.0H		0.4/-0.6					0.4/-0.6				
S = 1.5H		0.7/-1.5					0.7/-1.4				
S = 2.0H		2.1/-2.1					2.2/-2.1				
Standard tables:		BK3					BK2				
Uncorrected UGR		4.7					4.1				
According 1000lm											



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 RHOF=20 CU															
0	0.65	0.65	0.65	0.64	0.64	0.64	0.61	0.61	0.61	0.58	0.58	0.58	0.56	0.56	0.56	0.55
1	0.58	0.56	0.55	0.57	0.55	0.54	0.55	0.53	0.52	0.53	0.51	0.50	0.51	0.50	0.49	0.48
2	0.52	0.49	0.46	0.51	0.48	0.45	0.49	0.46	0.44	0.47	0.45	0.43	0.46	0.44	0.42	0.41
3	0.46	0.42	0.39	0.45	0.42	0.39	0.44	0.41	0.38	0.42	0.40	0.38	0.41	0.39	0.37	0.36
4	0.42	0.37	0.34	0.41	0.37	0.34	0.40	0.36	0.33	0.38	0.35	0.33	0.37	0.35	0.32	0.31
5	0.38	0.33	0.30	0.37	0.33	0.30	0.36	0.32	0.29	0.35	0.31	0.29	0.34	0.31	0.29	0.28
6	0.34	0.30	0.26	0.34	0.29	0.26	0.33	0.29	0.26	0.32	0.28	0.26	0.31	0.28	0.26	0.24
7	0.31	0.27	0.24	0.31	0.26	0.23	0.30	0.26	0.23	0.29	0.26	0.23	0.28	0.25	0.23	0.22
8	0.29	0.24	0.21	0.28	0.24	0.21	0.27	0.24	0.21	0.27	0.23	0.21	0.26	0.23	0.21	0.20
9	0.26	0.22	0.19	0.26	0.22	0.19	0.25	0.22	0.19	0.25	0.21	0.19	0.24	0.21	0.19	0.18
10	0.24	0.20	0.18	0.24	0.20	0.18	0.24	0.20	0.17	0.23	0.20	0.17	0.23	0.20	0.17	0.16



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	235.35	235.25	234.93	234.56	234.03	233.45	232.66	231.81	230.76
30.0	235.78	235.72	235.62	235.30	234.88	234.24	233.56	232.82	231.81
60.0	235.78	235.57	235.20	234.83	234.35	233.77	232.98	232.02	231.02
90.0	235.62	235.57	235.35	234.98	234.51	233.98	233.29	232.61	231.65
120.0	235.41	235.25	235.04	234.77	234.30	233.72	232.92	232.13	231.13
150.0	235.14	235.20	235.20	234.98	234.61	234.19	233.50	232.87	232.02
180.0	235.35	235.35	235.20	234.98	234.67	234.24	233.66	232.87	232.08
210.0	235.78	235.72	235.57	235.30	234.83	234.30	233.56	232.82	231.92
240.0	235.72	235.78	235.72	235.46	235.14	234.61	234.09	233.45	232.66
270.0	235.62	235.51	235.30	234.98	234.67	234.14	233.40	232.66	231.65
300.0	235.41	235.41	235.25	234.98	234.56	234.09	233.45	232.71	231.76
330.0	235.14	235.04	234.77	234.40	233.98	233.24	232.39	231.60	230.60
360.0	235.35	235.25	234.93	234.56	234.03	233.45	232.66	231.81	230.76
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	229.80	228.69	227.21	225.73	224.10	222.51	220.50	218.65	216.43
30.0	230.86	229.80	228.43	227.06	225.47	223.94	222.04	220.29	218.28
60.0	229.80	228.64	227.11	225.68	224.04	222.35	220.66	218.55	216.59
90.0	230.49	229.43	228.06	226.63	225.10	223.41	221.77	219.71	217.60
120.0	230.02	228.69	227.37	225.79	224.20	222.51	220.61	218.81	216.54
150.0	231.07	230.07	228.80	227.58	225.95	224.47	222.67	220.77	218.76
180.0	230.97	229.91	228.75	227.37	225.95	224.25	222.46	220.77	218.76
210.0	230.86	229.59	228.38	226.95	225.52	223.99	222.14	220.08	217.86
240.0	231.81	230.65	229.59	228.22	226.90	225.26	223.51	221.61	219.82
270.0	230.76	229.59	228.27	227.00	225.31	223.88	222.04	220.29	218.12
300.0	230.91	229.86	228.59	227.27	225.73	224.25	222.35	220.66	218.60
330.0	229.59	228.32	226.84	225.47	223.78	222.14	220.24	218.39	216.17
360.0	229.80	228.69	227.21	225.73	224.10	222.51	220.50	218.65	216.43
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	214.37	211.83	209.14	206.65	203.70	200.95	197.78	194.82	191.43
30.0	216.06	214.00	211.36	208.50	205.91	203.22	200.10	196.88	193.49
60.0	214.11	211.52	208.82	206.13	203.01	200.21	196.88	193.86	190.48
90.0	215.59	213.21	210.78	208.03	205.33	202.27	199.04	195.77	192.70
120.0	214.37	211.83	209.40	206.55	203.43	200.31	197.46	194.18	191.22
150.0	216.80	214.42	212.20	209.40	206.92	203.91	200.89	198.09	194.87
180.0	216.70	214.37	212.10	209.35	206.44	203.48	200.79	197.78	194.87
210.0	215.75	213.42	211.09	208.40	205.54	202.96	199.94	196.82	193.97
240.0	217.54	215.48	213.16	210.94	208.29	205.54	202.96	199.84	197.09
270.0	215.80	213.37	211.09	208.77	206.07	203.48	200.58	197.46	194.23
300.0	216.59	214.27	211.73	209.09	206.65	204.07	201.11	198.04	195.19
330.0	213.74	211.20	208.77	206.02	203.43	200.31	197.51	194.23	190.85
360.0	214.37	211.83	209.14	206.65	203.70	200.95	197.78	194.82	191.43
C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	187.84	184.30	181.02	177.32	173.94	170.13	166.17	162.58	158.51
30.0	190.43	186.78	183.56	179.75	176.37	172.51	168.50	164.90	160.83
60.0	186.94	183.66	179.81	176.37	172.41	168.87	164.74	160.67	156.97
90.0	189.16	185.99	182.34	178.96	175.05	171.08	167.54	163.47	159.93
120.0	188.10	184.40	180.65	176.85	173.41	169.45	165.85	161.62	157.66
150.0	191.80	188.31	184.72	181.50	177.80	173.99	170.56	167.02	163.05
180.0	191.59	188.58	184.99	181.29	177.96	174.26	170.77	166.86	162.95
210.0	190.90	187.52	184.03	180.39	177.11	173.30	169.87	165.80	162.26
240.0	193.76	190.48	187.42	183.93	180.44	177.22	173.41	169.92	165.91
270.0	191.33	187.94	184.88	181.29	177.59	174.26	170.45	166.96	163.00
300.0	191.80	188.31	185.20	181.76	178.59	174.94	171.08	167.60	163.53
330.0	187.79	184.25	181.02	177.22	173.41	169.97	166.06	161.99	158.45
360.0	187.84	184.30	181.02	177.32	173.94	170.13	166.17	162.58	158.51

Intensity data(cd)

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	154.75	150.42	146.56	142.28	137.95	133.56	129.65	125.16	121.19
30.0	157.13	152.90	148.62	144.76	140.32	135.78	131.76	127.27	123.31
60.0	151.74	148.41	144.61	140.22	135.73	131.60	127.06	123.09	118.55
90.0	155.81	151.53	147.20	143.34	139.43	134.88	130.81	126.37	122.04
120.0	153.96	149.79	146.03	141.70	137.73	133.24	128.75	124.26	120.24
150.0	159.09	154.91	151.21	147.04	143.28	138.95	135.04	130.65	126.21
180.0	159.51	155.49	151.85	147.67	143.81	139.48	135.14	130.81	126.95
210.0	158.35	154.22	150.58	146.35	142.60	138.21	133.82	129.49	125.53
240.0	161.94	158.35	154.22	150.47	146.30	142.54	138.26	133.93	129.54
270.0	159.51	155.33	151.21	147.09	143.34	139.00	135.09	130.65	126.74
300.0	159.99	155.97	152.27	148.09	143.81	139.53	135.73	131.55	127.69
330.0	154.28	150.53	146.35	142.07	138.21	133.77	129.81	125.42	121.51
360.0	154.75	150.42	146.56	142.28	137.95	133.56	129.65	125.16	121.19
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	116.65	112.58	108.03	103.49	99.42	94.77	90.80	86.36	81.97
30.0	118.87	114.27	110.25	105.86	101.85	97.30	93.23	88.63	84.09
60.0	114.00	109.99	105.60	101.64	97.20	93.18	88.58	83.93	79.60
90.0	117.54	113.58	109.04	105.12	100.58	96.56	92.12	87.58	83.56
120.0	115.70	111.73	107.40	103.54	99.15	94.61	90.59	86.04	82.13
150.0	122.41	118.07	114.16	109.78	105.44	101.48	97.09	92.65	88.69
180.0	122.62	118.65	114.22	110.36	106.08	101.74	97.67	93.02	89.00
210.0	121.09	117.07	112.58	108.56	104.17	99.57	95.51	91.01	86.94
240.0	125.53	121.51	117.02	112.37	108.35	103.86	99.73	95.19	90.75
270.0	122.25	117.81	113.85	109.35	105.39	100.79	96.19	92.18	87.63
300.0	123.36	119.34	114.80	110.25	106.29	101.90	97.88	93.50	89.00
330.0	117.07	112.52	108.03	104.17	99.68	95.72	91.17	87.26	82.82
360.0	116.65	112.58	108.03	103.49	99.42	94.77	90.80	86.36	81.97
C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	78.12	73.78	69.50	65.70	61.94	57.87	53.86	50.00	46.62
30.0	79.76	75.90	71.62	67.81	63.58	59.88	55.81	51.90	48.47
60.0	75.79	71.93	67.65	63.42	59.78	55.76	52.01	48.57	44.77
90.0	79.17	75.42	71.09	66.81	62.68	59.09	55.07	51.64	47.78
120.0	77.91	73.57	69.82	65.59	61.52	58.03	54.17	50.79	46.99
150.0	84.35	80.60	76.32	72.09	68.34	64.16	60.52	56.29	52.75
180.0	84.62	80.13	75.74	71.77	67.49	63.69	59.41	55.65	51.53
210.0	82.45	78.43	74.05	69.55	65.17	61.26	57.03	53.22	49.21
240.0	86.31	82.29	77.80	73.78	69.29	64.90	61.05	56.76	53.01
270.0	83.14	79.12	75.16	70.66	66.22	61.84	57.98	53.70	50.05
300.0	84.62	80.65	76.32	72.36	68.44	64.06	59.72	55.39	51.74
330.0	78.54	74.68	70.40	66.65	62.37	58.35	54.28	50.79	47.25
360.0	78.12	73.78	69.50	65.70	61.94	57.87	53.86	50.00	46.62
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	43.02	39.90	36.42	33.51	30.28	27.22	24.58	21.83	19.61
30.0	44.61	41.28	37.68	34.25	30.97	28.22	25.63	22.94	20.72
60.0	41.44	37.74	34.20	31.24	28.12	25.48	22.83	20.72	18.50
90.0	44.50	40.80	37.21	34.25	31.13	28.43	25.58	22.89	20.77
120.0	43.34	40.12	36.68	33.67	30.39	27.64	24.74	22.15	19.71
150.0	48.89	45.03	41.12	37.84	34.20	31.18	27.96	25.26	22.41
180.0	47.41	43.76	39.85	36.47	32.87	29.81	26.53	23.57	20.98
210.0	45.56	41.54	37.63	34.30	30.76	27.75	24.68	21.88	19.40
240.0	48.99	45.40	41.38	37.53	33.83	30.60	27.54	24.42	21.93
270.0	45.98	42.39	38.42	34.62	31.34	27.96	25.16	22.30	19.71
300.0	47.62	44.08	40.22	36.89	33.24	29.70	26.74	23.63	21.14
330.0	43.29	39.90	36.20	32.72	29.23	26.37	23.36	20.98	18.55
360.0	43.02	39.90	36.42	33.51	30.28	27.22	24.58	21.83	19.61

Intensity data(cd)

C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	17.34	15.49	13.79	12.63	11.57	10.78	9.78	8.98	8.14
30.0	18.45	16.44	14.75	13.42	12.21	11.36	10.41	9.51	8.77
60.0	16.54	14.90	13.58	12.42	11.52	10.57	9.78	8.88	8.03
90.0	18.50	16.54	15.01	13.64	12.47	11.57	10.57	9.72	8.83
120.0	17.81	16.12	14.38	13.05	12.05	11.10	10.15	9.25	8.30
150.0	19.82	17.86	16.01	14.53	13.21	12.10	10.99	10.15	9.20
180.0	18.87	16.86	15.22	13.79	12.58	11.63	10.52	9.62	8.62
210.0	17.49	15.86	14.38	13.27	12.21	11.10	9.99	9.04	8.03
240.0	19.50	17.28	15.43	14.27	13.16	12.16	11.05	9.99	9.04
270.0	17.71	15.80	14.43	13.37	12.21	11.20	10.15	9.04	8.14
300.0	18.71	16.60	14.75	13.64	12.63	11.68	10.57	9.62	8.67
330.0	16.70	14.85	13.32	12.31	11.36	10.41	9.46	8.46	7.61
360.0	17.34	15.49	13.79	12.63	11.57	10.78	9.78	8.98	8.14
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	7.24	6.45	5.76	4.92	4.18	3.44	2.75	2.06	1.37
30.0	7.93	7.19	6.34	5.66	4.97	4.18	3.49	2.75	2.06
60.0	7.35	6.55	5.81	5.13	4.39	3.59	2.96	2.27	1.59
90.0	7.98	7.19	6.34	5.66	4.86	4.07	3.38	2.48	1.90
120.0	7.45	6.66	5.87	5.07	4.33	3.54	2.80	2.06	1.37
150.0	8.30	7.35	6.50	5.66	4.81	4.02	3.22	2.59	1.74
180.0	7.72	6.92	5.92	5.23	4.33	3.54	2.70	1.96	1.32
210.0	7.14	6.24	5.29	4.49	3.70	2.85	2.06	1.43	0.95
240.0	7.93	6.92	6.08	5.07	4.18	3.38	2.64	1.96	1.22
270.0	7.14	6.29	5.44	4.60	3.70	2.91	2.22	1.48	0.85
300.0	7.77	6.82	5.92	5.02	4.23	3.49	2.75	2.01	1.32
330.0	6.82	6.13	5.18	4.44	3.70	3.01	2.33	1.64	0.95
360.0	7.24	6.45	5.76	4.92	4.18	3.44	2.75	2.06	1.37
C/ γ (°)	90.0								
0.0	0.85								
30.0	1.32								
60.0	1.22								
90.0	1.22								
120.0	1.06								
150.0	1.00								
180.0	1.00								
210.0	0.90								
240.0	0.95								
270.0	0.85								
300.0	0.90								
330.0	0.85								
360.0	0.85								