

Report No	:		Voltage	:	V
Test No	:	A2401357A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	23.000 W
Luminaire	:	0028920198 23W 3500K 3220lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3220.0 lm	Width	:	555 mm
Number of Lamps	:	1	Length	:	555 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3220.00	Central intensity(cd)	:	1532.905
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1533.423
Luminous Efficacy(lm/W)	:	140.00	Angle of maximum intensity	:	C=0.0 γ =0.5
Beam Angle(50%Imax)	:	[C0/180]Total=87.8 [C90/270]Total=87.4			
Field angle(10%Imax)	:	[C0/180]Total=148.0 [C90/270]Total=147.8			
Maximum s/h(1/2)	:	C0_180=1.26 C90_270=1.26			
Maximum s/h(1/4)	:	C0_180=1.24 C90_270=1.24			
Up flux rate of lamp(%)	:	0.00%			
Down flux rate of lamp(%)	:	100.00%			
Up flux rate of LUM(%)	:	--			
Down flux rate of LUM(%)	:	100.00%			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle :	:	87.405%			

Zonal flux distribution table

Appendix Page: 2 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1532.905	0.000	0	0.00%	0.00%
0.5	1532.677	0.367	0.367	0.01%	0.01%
1.0	1532.525	1.100	1.467	0.03%	0.05%
1.5	1532.193	1.833	3.3	0.06%	0.10%
2.0	1531.747	2.565	5.865	0.08%	0.18%
2.5	1531.248	3.297	9.162	0.10%	0.28%
3.0	1530.515	4.027	13.189	0.13%	0.41%
3.5	1529.695	4.756	17.945	0.15%	0.56%
4.0	1528.805	5.484	23.429	0.17%	0.73%
4.5	1527.747	6.210	29.639	0.19%	0.92%
5.0	1526.579	6.934	36.573	0.22%	1.14%
5.5	1525.272	7.656	44.229	0.24%	1.37%
6.0	1523.807	8.375	52.604	0.26%	1.63%
6.5	1522.347	9.092	61.696	0.28%	1.92%
7.0	1520.767	9.806	71.502	0.30%	2.22%
7.5	1518.940	10.517	82.018	0.33%	2.55%
8.0	1517.175	11.225	93.243	0.35%	2.90%
8.5	1515.209	11.929	105.172	0.37%	3.27%
9.0	1513.029	12.629	117.802	0.39%	3.66%
9.5	1510.852	13.326	131.127	0.41%	4.07%
10.0	1508.501	14.018	145.146	0.44%	4.51%
10.5	1506.028	14.706	159.852	0.46%	4.96%
11.0	1503.424	15.389	175.241	0.48%	5.44%
11.5	1500.707	16.068	191.308	0.50%	5.94%
12.0	1497.953	16.741	208.05	0.52%	6.46%
12.5	1495.181	17.411	225.461	0.54%	7.00%
13.0	1492.298	18.076	243.537	0.56%	7.56%
13.5	1489.137	18.734	262.271	0.58%	8.15%
14.0	1485.935	19.386	281.657	0.60%	8.75%
14.5	1482.508	20.032	301.689	0.62%	9.37%
15.0	1478.859	20.670	322.36	0.64%	10.01%
15.5	1475.246	21.302	343.662	0.66%	10.67%
16.0	1471.468	21.928	365.591	0.68%	11.35%
16.5	1467.507	22.547	388.138	0.70%	12.05%
17.0	1463.446	23.158	411.295	0.72%	12.77%
17.5	1459.338	23.762	435.057	0.74%	13.51%
18.0	1455.048	24.358	459.415	0.76%	14.27%
18.5	1450.738	24.948	484.363	0.77%	15.04%

Zonal flux distribution table

Appendix Page: 3 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
19.0	1446.281	25.530	509.893	0.79%	15.84%
19.5	1441.537	26.102	535.995	0.81%	16.65%
20.0	1436.757	26.665	562.66	0.83%	17.47%
20.5	1431.759	27.219	589.879	0.85%	18.32%
21.0	1426.702	27.764	617.643	0.86%	19.18%
21.5	1421.443	28.300	645.944	0.88%	20.06%
22.0	1415.967	28.825	674.769	0.90%	20.96%
22.5	1410.449	29.341	704.109	0.91%	21.87%
23.0	1404.970	29.849	733.958	0.93%	22.79%
23.5	1399.198	30.347	764.305	0.94%	23.74%
24.0	1393.105	30.831	795.136	0.96%	24.69%
24.5	1386.903	31.303	826.439	0.97%	25.67%
25.0	1380.603	31.765	858.204	0.99%	26.65%
25.5	1373.811	32.212	890.416	1.00%	27.65%
26.0	1367.175	32.647	923.062	1.01%	28.67%
26.5	1360.292	33.072	956.135	1.03%	29.69%
27.0	1353.030	33.481	989.616	1.04%	30.73%
27.5	1345.661	33.876	1023.492	1.05%	31.79%
28.0	1338.000	34.257	1057.749	1.06%	32.85%
28.5	1330.059	34.621	1092.371	1.08%	33.92%
29.0	1322.094	34.973	1127.343	1.09%	35.01%
29.5	1313.777	35.310	1162.653	1.10%	36.11%
30.0	1305.038	35.626	1198.279	1.11%	37.21%
30.5	1296.039	35.924	1234.203	1.12%	38.33%
31.0	1286.867	36.205	1270.409	1.12%	39.45%
31.5	1277.080	36.466	1306.874	1.13%	40.59%
32.0	1266.844	36.700	1343.574	1.14%	41.73%
32.5	1256.300	36.912	1380.486	1.15%	42.87%
33.0	1245.133	37.099	1417.585	1.15%	44.02%
33.5	1233.572	37.259	1454.844	1.16%	45.18%
34.0	1221.231	37.390	1492.234	1.16%	46.34%
34.5	1207.865	37.480	1529.714	1.16%	47.51%
35.0	1193.751	37.529	1567.243	1.17%	48.67%
35.5	1178.597	37.537	1604.78	1.17%	49.84%
36.0	1162.563	37.499	1642.28	1.16%	51.00%
36.5	1145.176	37.411	1679.69	1.16%	52.16%
37.0	1126.580	37.264	1716.955	1.16%	53.32%
37.5	1106.738	37.061	1754.015	1.15%	54.47%

Zonal flux distribution table

Appendix Page: 4 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1085.604	36.797	1790.812	1.14%	55.62%
38.5	1063.054	36.469	1827.281	1.13%	56.75%
39.0	1039.430	36.079	1863.359	1.12%	57.87%
39.5	1014.794	35.632	1898.992	1.11%	58.97%
40.0	989.463	35.136	1934.128	1.09%	60.07%
40.5	963.177	34.589	1968.716	1.07%	61.14%
41.0	936.754	34.001	2002.717	1.06%	62.20%
41.5	909.755	33.378	2036.095	1.04%	63.23%
42.0	882.551	32.719	2068.814	1.02%	64.25%
42.5	855.217	32.033	2100.847	0.99%	65.24%
43.0	828.126	31.326	2132.173	0.97%	66.22%
43.5	801.293	30.608	2162.781	0.95%	67.17%
44.0	774.618	29.876	2192.658	0.93%	68.09%
44.5	748.891	29.145	2221.803	0.91%	69.00%
45.0	723.695	28.422	2250.225	0.88%	69.88%
45.5	698.969	27.699	2277.925	0.86%	70.74%
46.0	675.260	26.987	2304.911	0.84%	71.58%
46.5	652.110	26.287	2331.198	0.82%	72.40%
47.0	629.765	25.597	2356.796	0.79%	73.19%
47.5	607.845	24.915	2381.711	0.77%	73.97%
48.0	586.551	24.238	2405.949	0.75%	74.72%
48.5	565.965	23.573	2429.522	0.73%	75.45%
49.0	545.844	22.917	2452.439	0.71%	76.16%
49.5	526.249	22.266	2474.705	0.69%	76.85%
50.0	507.029	21.621	2496.326	0.67%	77.53%
50.5	488.047	20.974	2517.301	0.65%	78.18%
51.0	469.671	20.333	2537.633	0.63%	78.81%
51.5	451.843	19.703	2557.336	0.61%	79.42%
52.0	434.591	19.085	2576.421	0.59%	80.01%
52.5	417.891	18.479	2594.9	0.57%	80.59%
53.0	402.039	17.893	2612.793	0.56%	81.14%
53.5	386.903	17.330	2630.124	0.54%	81.68%
54.0	372.553	16.791	2646.915	0.52%	82.20%
54.5	358.939	16.275	2663.19	0.51%	82.71%
55.0	346.096	15.785	2678.975	0.49%	83.20%
55.5	333.766	15.314	2694.289	0.48%	83.67%
56.0	322.153	14.864	2709.153	0.46%	84.14%
56.5	311.239	14.438	2723.592	0.45%	84.58%

Zonal flux distribution table

Appendix Page: 5 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
57.0	300.688	14.030	2737.621	0.44%	85.02%
57.5	290.797	13.638	2751.26	0.42%	85.44%
58.0	281.502	13.269	2764.529	0.41%	85.85%
58.5	272.999	12.927	2777.456	0.40%	86.26%
59.0	265.085	12.612	2790.067	0.39%	86.65%
59.5	257.803	12.320	2802.387	0.38%	87.03%
60.0	251.041	12.051	2814.438	0.37%	87.40%
60.5	244.720	11.800	2826.238	0.37%	87.77%
61.0	238.814	11.566	2837.804	0.36%	88.13%
61.5	233.393	11.350	2849.154	0.35%	88.48%
62.0	228.360	11.151	2860.305	0.35%	88.83%
62.5	223.682	10.968	2871.273	0.34%	89.17%
63.0	219.374	10.799	2882.072	0.34%	89.51%
63.5	215.330	10.642	2892.714	0.33%	89.84%
64.0	211.587	10.497	2903.211	0.33%	90.16%
64.5	208.265	10.367	2913.578	0.32%	90.48%
65.0	205.322	10.255	2923.834	0.32%	90.80%
65.5	202.638	10.157	2933.991	0.32%	91.12%
66.0	200.173	10.069	2944.059	0.31%	91.43%
66.5	197.779	9.986	2954.046	0.31%	91.74%
67.0	195.389	9.904	2963.949	0.31%	92.05%
67.5	192.911	9.817	2973.766	0.30%	92.35%
68.0	190.284	9.723	2983.49	0.30%	92.65%
68.5	187.445	9.618	2993.108	0.30%	92.95%
69.0	184.357	9.500	3002.608	0.30%	93.25%
69.5	180.947	9.365	3011.973	0.29%	93.54%
70.0	177.204	9.212	3021.185	0.29%	93.83%
70.5	173.204	9.041	3030.227	0.28%	94.11%
71.0	168.930	8.855	3039.082	0.28%	94.38%
71.5	164.434	8.654	3047.736	0.27%	94.65%
72.0	159.880	8.444	3056.18	0.26%	94.91%
72.5	155.300	8.229	3064.41	0.26%	95.17%
73.0	150.727	8.013	3072.422	0.25%	95.42%
73.5	146.305	7.798	3080.22	0.24%	95.66%
74.0	142.028	7.589	3087.809	0.24%	95.89%
74.5	137.900	7.386	3095.195	0.23%	96.12%
75.0	133.928	7.190	3102.385	0.22%	96.35%
75.5	130.194	7.002	3109.388	0.22%	96.56%

Zonal flux distribution table

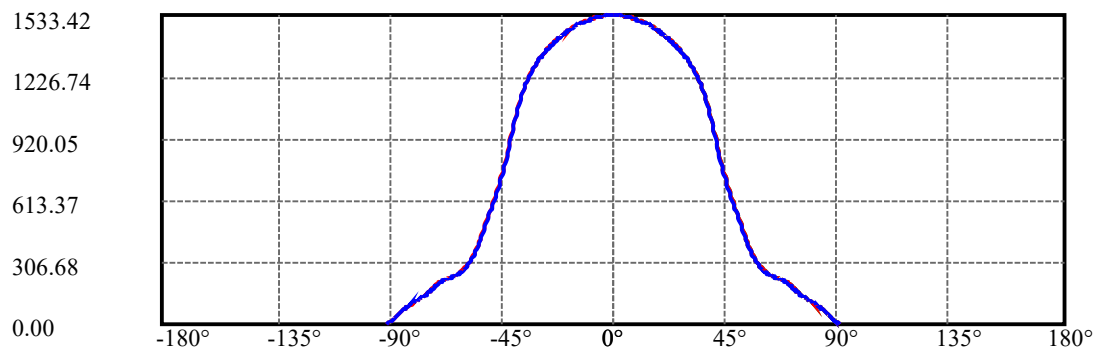
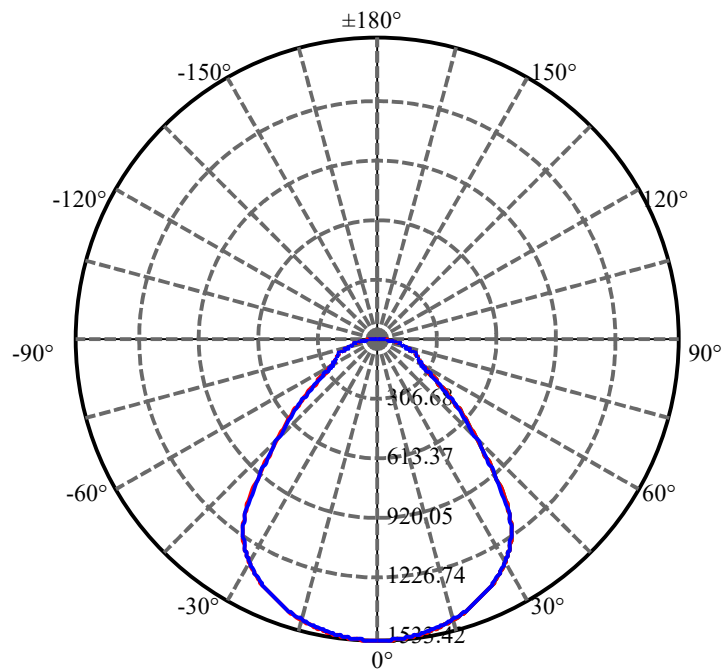
Appendix Page: 6 Total:21

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	126.586	6.823	3116.211	0.21%	96.78%
76.5	123.052	6.648	3122.859	0.21%	96.98%
77.0	119.582	6.475	3129.333	0.20%	97.18%
77.5	116.118	6.302	3135.636	0.20%	97.38%
78.0	112.655	6.129	3141.765	0.19%	97.57%
78.5	109.127	5.953	3147.718	0.18%	97.76%
79.0	105.540	5.772	3153.49	0.18%	97.93%
79.5	101.854	5.586	3159.076	0.17%	98.11%
80.0	98.072	5.394	3164.47	0.17%	98.28%
80.5	94.262	5.197	3169.666	0.16%	98.44%
81.0	90.425	4.997	3174.664	0.16%	98.59%
81.5	86.552	4.795	3179.459	0.15%	98.74%
82.0	82.607	4.590	3184.049	0.14%	98.88%
82.5	78.501	4.377	3188.425	0.14%	99.02%
83.0	74.093	4.150	3192.575	0.13%	99.15%
83.5	69.293	3.904	3196.479	0.12%	99.27%
84.0	64.147	3.637	3200.116	0.11%	99.38%
84.5	58.650	3.350	3203.465	0.10%	99.49%
85.0	52.881	3.045	3206.51	0.09%	99.58%
85.5	46.939	2.727	3209.237	0.08%	99.67%
86.0	40.964	2.403	3211.641	0.07%	99.74%
86.5	34.930	2.076	3213.717	0.06%	99.80%
87.0	29.032	1.751	3215.467	0.05%	99.86%
87.5	23.305	1.433	3216.901	0.04%	99.90%
88.0	17.876	1.128	3218.029	0.04%	99.94%
88.5	12.916	0.844	3218.873	0.03%	99.96%
89.0	8.512	0.587	3219.46	0.02%	99.98%
89.5	4.949	0.369	3219.829	0.01%	99.99%
90.0	1.295	0.171	3220	0.01%	100.00%

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1198.28	37.21%	37.21%
0-40	1934.13	60.07%	60.07%
0-60	2814.44	87.40%	87.40%
0-90	3219.83	99.99%	99.99%
0-120	3219.83	99.99%	99.99%
0-180	3220.00	100.00%	100.00%
60-90	405.39	12.59%	12.59%
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%
0-51.99	2576.00	80.00%	80.00%

ZONAL LUMEN SUMMARY

0-10	145.15
10-20	417.51
20-30	635.62
30-40	735.85
40-50	562.20
50-60	318.11
60-70	206.75
70-80	143.28
80-90	55.36
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:

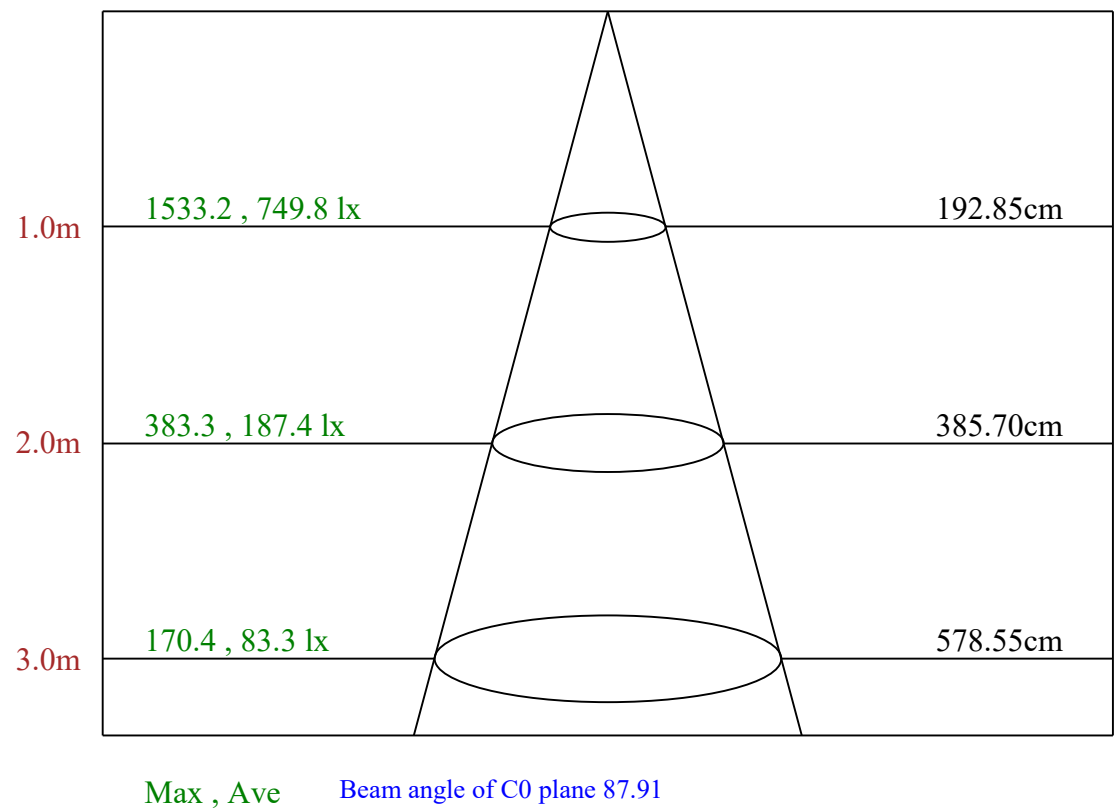
C90/C270:

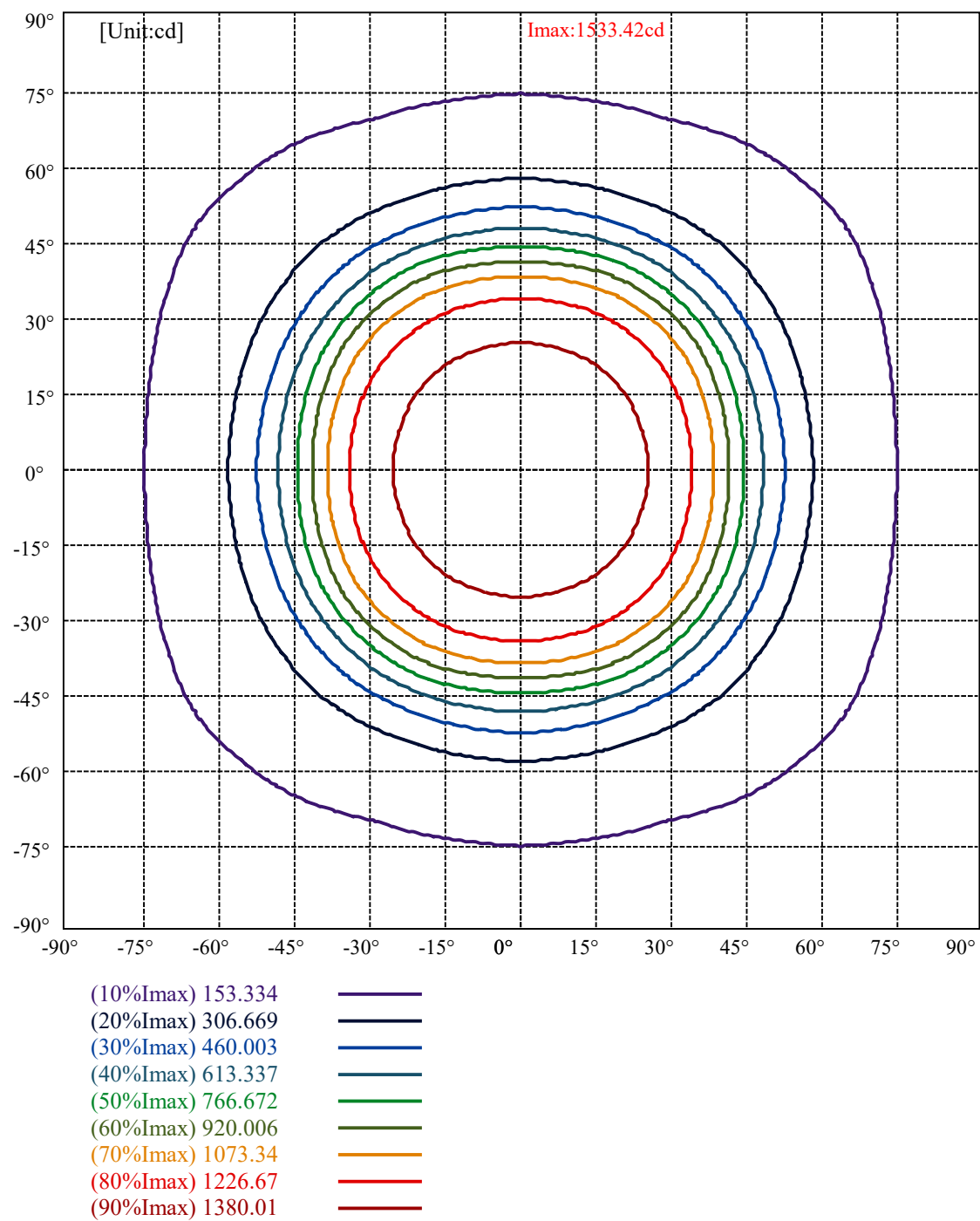
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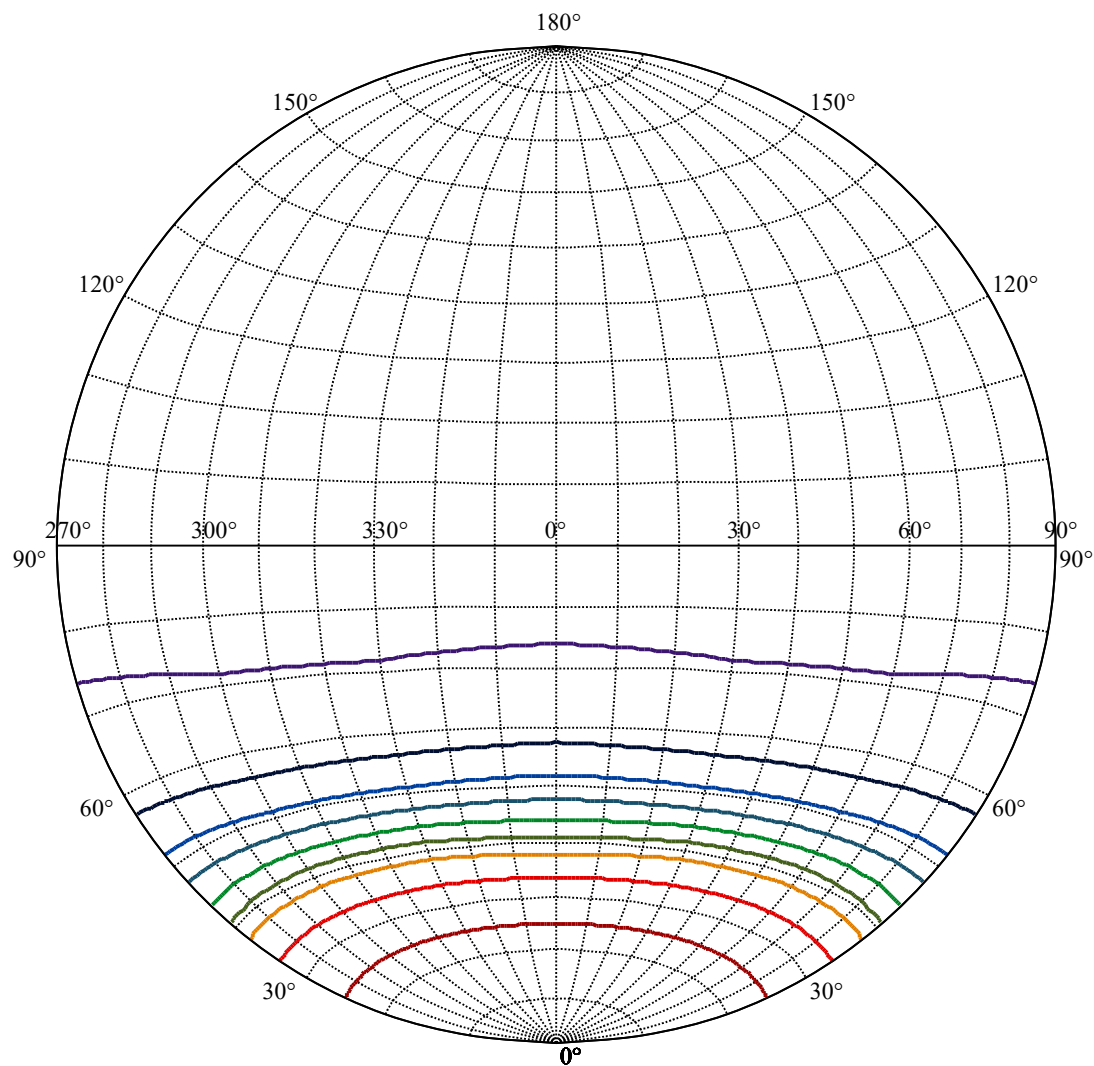
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Beam Angle(50%Imax):C0/180Left:44.4 Right:43.4

:C90/270Left:43.7 Right:43.7





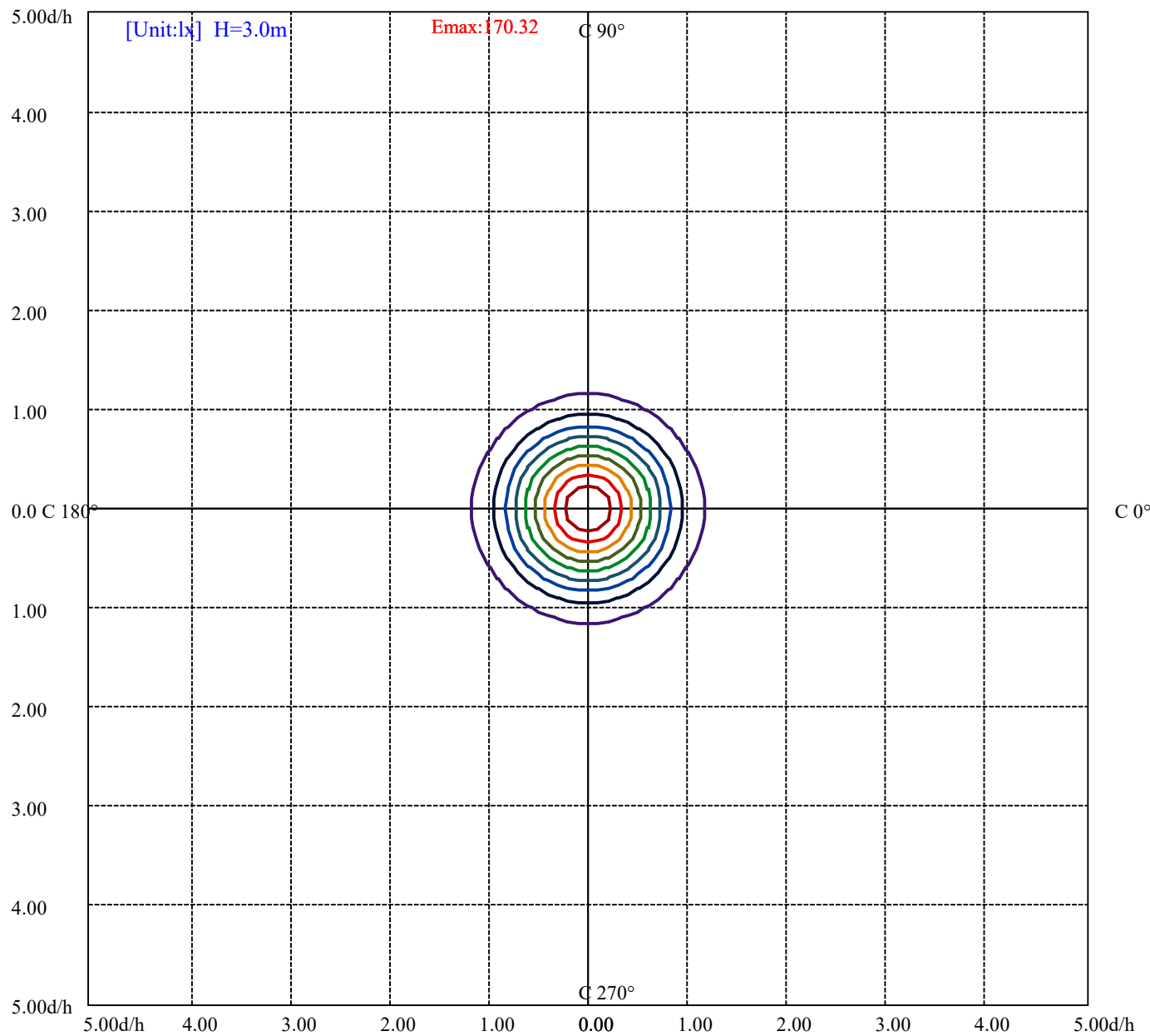


House

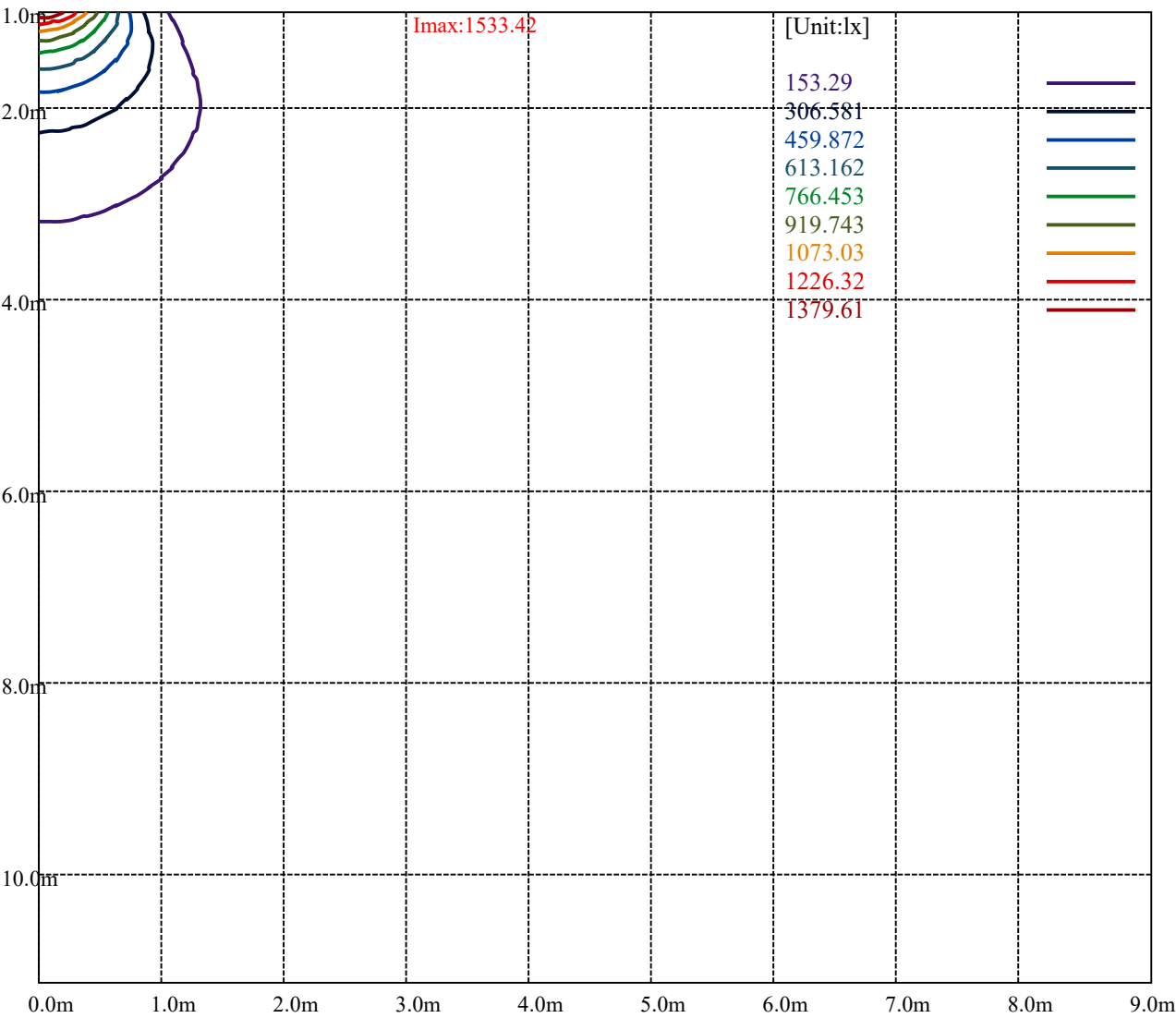
[Unit:cd]

Road

	Imax:1533.42	
(10%Imax)	153.334	
(20%Imax)	306.669	
(30%Imax)	460.003	
(40%Imax)	613.337	
(50%Imax)	766.672	
(60%Imax)	920.006	
(70%Imax)	1073.34	
(80%Imax)	1226.67	
(90%Imax)	1380.01	



(10%Emax)	17.03222	—
(20%Emax)	34.06456	—
(30%Emax)	51.09678	—
(40%Emax)	68.12911	—
(50%Emax)	85.16134	—
(60%Emax)	102.1937	—
(70%Emax)	119.2256	—
(80%Emax)	136.2578	—
(90%Emax)	153.29	—



Luminance Limiting Curve(no luminous side)

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Luminance Table

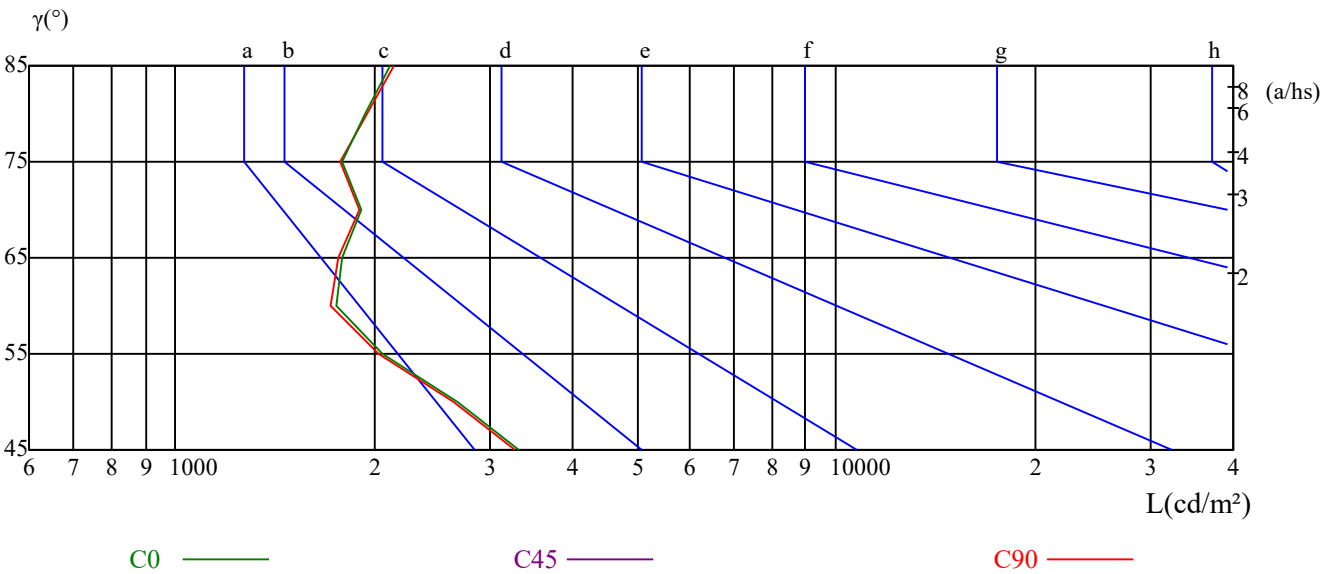
γ	45	50	55	60	65	70	75	80	85
C0	3306	2670	2062	1747	1790	1918	1789	1938	2117
C45	0	0	0	0	0	0	0	0	0
C90	3265	2631	2031	1718	1761	1895	1779	1951	2148

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1790	1761	0	1789	1779	0	2117	2148	0

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	14.43	15.87	14.79	16.19	16.50	14.37	15.82	14.73	16.13	16.44
	3H	15.64	16.94	16.02	17.27	17.62	15.58	16.87	15.96	17.21	17.55
	4H	16.23	17.44	16.63	17.80	18.16	16.17	17.38	16.57	17.74	18.10
	6H	16.82	17.95	17.23	18.32	18.71	16.78	17.90	17.18	18.27	18.66
	8H	17.08	18.16	17.49	18.54	18.94	17.04	18.13	17.46	18.50	18.91
	12H	17.29	18.33	17.71	18.72	19.13	17.27	18.30	17.68	18.69	19.10
4H	2H	14.71	15.92	15.10	16.27	16.63	14.66	15.87	15.05	16.22	16.59
	3H	16.13	17.16	16.55	17.55	17.96	16.08	17.10	16.50	17.49	17.90
	4H	16.94	17.84	17.37	18.26	18.70	16.88	17.79	17.32	18.21	18.65
	6H	17.67	18.48	18.14	18.92	19.37	17.64	18.44	18.10	18.89	19.33
	8H	18.05	18.80	18.52	19.25	19.71	18.02	18.78	18.50	19.23	19.69
	12H	18.37	19.07	18.85	19.51	20.02	18.35	19.05	18.83	19.49	20.00
8H	4H	17.17	17.93	17.65	18.37	18.84	17.13	17.88	17.60	18.33	18.79
	6H	18.08	18.71	18.57	19.18	19.68	18.05	18.68	18.54	19.15	19.65
	8H	18.61	19.17	19.13	19.68	20.17	18.60	19.15	19.11	19.66	20.15
	12H	19.04	19.51	19.57	20.02	20.53	19.04	19.50	19.56	20.01	20.52
12H	4H	17.21	17.91	17.69	18.35	18.86	17.17	17.87	17.65	18.31	18.82
	6H	18.21	18.77	18.73	19.28	19.77	18.19	18.74	18.70	19.25	19.74
	8H	18.76	19.22	19.29	19.73	20.24	18.74	19.21	19.27	19.72	20.23
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.8					0.5/-0.8				
S = 1.5H		0.9/-1.1					0.9/-1.1				
S = 2.0H		1.4/-1.0					1.4/-1.0				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		3.1					3.1				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1532.91	1533.42	1533.34	1533.00	1532.50	1532.05	1531.41	1530.51	1529.55
30.0	1532.91	1533.08	1533.05	1532.75	1532.26	1531.83	1531.08	1530.25	1529.32
60.0	1532.91	1532.30	1532.11	1531.78	1531.37	1530.84	1530.06	1529.29	1528.43
90.0	1532.91	1531.87	1531.49	1531.09	1530.73	1530.10	1529.40	1528.58	1527.78
120.0	1532.91	1532.30	1532.11	1531.78	1531.37	1530.84	1530.06	1529.29	1528.43
150.0	1532.91	1533.08	1533.05	1532.75	1532.26	1531.83	1531.08	1530.25	1529.32
180.0	1532.91	1533.42	1533.34	1533.00	1532.50	1532.05	1531.41	1530.51	1529.55
210.0	1532.91	1533.08	1533.05	1532.75	1532.26	1531.83	1531.08	1530.25	1529.32
240.0	1532.91	1532.30	1532.11	1531.78	1531.37	1530.84	1530.06	1529.29	1528.43
270.0	1532.91	1531.87	1531.49	1531.09	1530.73	1530.10	1529.40	1528.58	1527.78
300.0	1532.91	1532.30	1532.11	1531.78	1531.37	1530.84	1530.06	1529.29	1528.43
330.0	1532.91	1533.08	1533.05	1532.75	1532.26	1531.83	1531.08	1530.25	1529.32
360.0	1532.91	1533.42	1533.34	1533.00	1532.50	1532.05	1531.41	1530.51	1529.55
C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1528.59	1527.48	1526.07	1524.69	1523.22	1521.57	1519.72	1518.05	1516.10
30.0	1528.29	1527.16	1525.82	1524.40	1522.92	1521.30	1519.52	1517.77	1515.86
60.0	1527.31	1526.13	1524.87	1523.37	1521.91	1520.36	1518.55	1516.73	1514.77
90.0	1526.68	1525.42	1524.18	1522.62	1521.21	1519.71	1517.78	1515.99	1513.89
120.0	1527.31	1526.13	1524.87	1523.37	1521.91	1520.36	1518.55	1516.73	1514.77
150.0	1528.29	1527.16	1525.82	1524.40	1522.92	1521.30	1519.52	1517.77	1515.86
180.0	1528.59	1527.48	1526.07	1524.69	1523.22	1521.57	1519.72	1518.05	1516.10
210.0	1528.29	1527.16	1525.82	1524.40	1522.92	1521.30	1519.52	1517.77	1515.86
240.0	1527.31	1526.13	1524.87	1523.37	1521.91	1520.36	1518.55	1516.73	1514.77
270.0	1526.68	1525.42	1524.18	1522.62	1521.21	1519.71	1517.78	1515.99	1513.89
300.0	1527.31	1526.13	1524.87	1523.37	1521.91	1520.36	1518.55	1516.73	1514.77
330.0	1528.29	1527.16	1525.82	1524.40	1522.92	1521.30	1519.52	1517.77	1515.86
360.0	1528.59	1527.48	1526.07	1524.69	1523.22	1521.57	1519.72	1518.05	1516.10
C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1513.86	1511.68	1509.33	1506.83	1504.23	1501.50	1498.82	1495.92	1493.12
30.0	1513.63	1511.53	1509.10	1506.64	1504.06	1501.33	1498.58	1495.77	1492.89
60.0	1512.61	1510.44	1508.08	1505.62	1503.02	1500.31	1497.51	1494.81	1491.89
90.0	1511.85	1509.50	1507.33	1504.81	1502.16	1499.47	1496.72	1494.00	1491.12
120.0	1512.61	1510.44	1508.08	1505.62	1503.02	1500.31	1497.51	1494.81	1491.89
150.0	1513.63	1511.53	1509.10	1506.64	1504.06	1501.33	1498.58	1495.77	1492.89
180.0	1513.86	1511.68	1509.33	1506.83	1504.23	1501.50	1498.82	1495.92	1493.12
210.0	1513.63	1511.53	1509.10	1506.64	1504.06	1501.33	1498.58	1495.77	1492.89
240.0	1512.61	1510.44	1508.08	1505.62	1503.02	1500.31	1497.51	1494.81	1491.89
270.0	1511.85	1509.50	1507.33	1504.81	1502.16	1499.47	1496.72	1494.00	1491.12
300.0	1512.61	1510.44	1508.08	1505.62	1503.02	1500.31	1497.51	1494.81	1491.89
330.0	1513.63	1511.53	1509.10	1506.64	1504.06	1501.33	1498.58	1495.77	1492.89
360.0	1513.86	1511.68	1509.33	1506.83	1504.23	1501.50	1498.82	1495.92	1493.12
C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1489.98	1486.74	1483.30	1479.74	1475.92	1472.25	1468.35	1464.38	1460.26
30.0	1489.71	1486.55	1483.11	1479.51	1475.83	1472.08	1468.18	1464.13	1459.98
60.0	1488.71	1485.53	1482.11	1478.42	1474.91	1471.07	1467.09	1462.97	1458.87
90.0	1488.01	1484.72	1481.31	1477.55	1474.08	1470.26	1466.16	1462.10	1458.06
120.0	1488.71	1485.53	1482.11	1478.42	1474.91	1471.07	1467.09	1462.97	1458.87
150.0	1489.71	1486.55	1483.11	1479.51	1475.83	1472.08	1468.18	1464.13	1459.98
180.0	1489.98	1486.74	1483.30	1479.74	1475.92	1472.25	1468.35	1464.38	1460.26
210.0	1489.71	1486.55	1483.11	1479.51	1475.83	1472.08	1468.18	1464.13	1459.98
240.0	1488.71	1485.53	1482.11	1478.42	1474.91	1471.07	1467.09	1462.97	1458.87
270.0	1488.01	1484.72	1481.31	1477.55	1474.08	1470.26	1466.16	1462.10	1458.06
300.0	1488.71	1485.53	1482.11	1478.42	1474.91	1471.07	1467.09	1462.97	1458.87
330.0	1489.71	1486.55	1483.11	1479.51	1475.83	1472.08	1468.18	1464.13	1459.98
360.0	1489.98	1486.74	1483.30	1479.74	1475.92	1472.25	1468.35	1464.38	1460.26

C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1455.92	1451.60	1447.05	1442.33	1437.54	1432.50	1427.41	1422.26	1416.72
30.0	1455.70	1451.32	1446.89	1442.17	1437.33	1432.34	1427.32	1422.07	1416.68
60.0	1454.62	1450.30	1445.89	1441.14	1436.36	1431.38	1426.35	1421.03	1415.59
90.0	1453.74	1449.59	1445.08	1440.26	1435.62	1430.62	1425.47	1420.21	1414.54
120.0	1454.62	1450.30	1445.89	1441.14	1436.36	1431.38	1426.35	1421.03	1415.59
150.0	1455.70	1451.32	1446.89	1442.17	1437.33	1432.34	1427.32	1422.07	1416.68
180.0	1455.92	1451.60	1447.05	1442.33	1437.54	1432.50	1427.41	1422.26	1416.72
210.0	1455.70	1451.32	1446.89	1442.17	1437.33	1432.34	1427.32	1422.07	1416.68
240.0	1454.62	1450.30	1445.89	1441.14	1436.36	1431.38	1426.35	1421.03	1415.59
270.0	1453.74	1449.59	1445.08	1440.26	1435.62	1430.62	1425.47	1420.21	1414.54
300.0	1454.62	1450.30	1445.89	1441.14	1436.36	1431.38	1426.35	1421.03	1415.59
330.0	1455.70	1451.32	1446.89	1442.17	1437.33	1432.34	1427.32	1422.07	1416.68
360.0	1455.92	1451.60	1447.05	1442.33	1437.54	1432.50	1427.41	1422.26	1416.72
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1411.10	1405.45	1399.56	1393.46	1387.24	1380.80	1373.94	1367.31	1360.29
30.0	1411.19	1405.64	1399.86	1393.84	1387.70	1381.37	1374.62	1368.02	1361.18
60.0	1410.12	1404.72	1399.01	1392.93	1386.74	1380.50	1373.75	1367.10	1360.29
90.0	1408.97	1403.64	1397.90	1391.64	1385.31	1379.09	1372.20	1365.50	1358.54
120.0	1410.12	1404.72	1399.01	1392.93	1386.74	1380.50	1373.75	1367.10	1360.29
150.0	1411.19	1405.64	1399.86	1393.84	1387.70	1381.37	1374.62	1368.02	1361.18
180.0	1411.10	1405.45	1399.56	1393.46	1387.24	1380.80	1373.94	1367.31	1360.29
210.0	1411.19	1405.64	1399.86	1393.84	1387.70	1381.37	1374.62	1368.02	1361.18
240.0	1410.12	1404.72	1399.01	1392.93	1386.74	1380.50	1373.75	1367.10	1360.29
270.0	1408.97	1403.64	1397.90	1391.64	1385.31	1379.09	1372.20	1365.50	1358.54
300.0	1410.12	1404.72	1399.01	1392.93	1386.74	1380.50	1373.75	1367.10	1360.29
330.0	1411.19	1405.64	1399.86	1393.84	1387.70	1381.37	1374.62	1368.02	1361.18
360.0	1411.10	1405.45	1399.56	1393.46	1387.24	1380.80	1373.94	1367.31	1360.29
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1352.91	1345.34	1337.69	1329.74	1321.60	1313.23	1304.55	1295.42	1286.11
30.0	1354.00	1346.56	1339.01	1331.16	1323.11	1314.87	1306.28	1297.35	1288.23
60.0	1353.09	1345.81	1338.15	1330.22	1322.33	1314.04	1305.28	1296.34	1287.23
90.0	1351.10	1343.89	1335.99	1327.84	1320.08	1311.62	1302.56	1293.44	1284.17
120.0	1353.09	1345.81	1338.15	1330.22	1322.33	1314.04	1305.28	1296.34	1287.23
150.0	1354.00	1346.56	1339.01	1331.16	1323.11	1314.87	1306.28	1297.35	1288.23
180.0	1352.91	1345.34	1337.69	1329.74	1321.60	1313.23	1304.55	1295.42	1286.11
210.0	1354.00	1346.56	1339.01	1331.16	1323.11	1314.87	1306.28	1297.35	1288.23
240.0	1353.09	1345.81	1338.15	1330.22	1322.33	1314.04	1305.28	1296.34	1287.23
270.0	1351.10	1343.89	1335.99	1327.84	1320.08	1311.62	1302.56	1293.44	1284.17
300.0	1353.09	1345.81	1338.15	1330.22	1322.33	1314.04	1305.28	1296.34	1287.23
330.0	1354.00	1346.56	1339.01	1331.16	1323.11	1314.87	1306.28	1297.35	1288.23
360.0	1352.91	1345.34	1337.69	1329.74	1321.60	1313.23	1304.55	1295.42	1286.11
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1276.16	1265.76	1255.00	1243.62	1231.55	1218.73	1204.74	1189.63	1173.46
30.0	1278.50	1268.42	1258.08	1247.16	1235.86	1223.94	1211.10	1197.51	1183.11
60.0	1277.52	1267.37	1256.94	1245.87	1234.56	1222.46	1209.40	1195.78	1181.14
90.0	1274.28	1263.71	1252.76	1241.12	1229.04	1215.87	1201.44	1186.31	1169.64
120.0	1277.52	1267.37	1256.94	1245.87	1234.56	1222.46	1209.40	1195.78	1181.14
150.0	1278.50	1268.42	1258.08	1247.16	1235.86	1223.94	1211.10	1197.51	1183.11
180.0	1276.16	1265.76	1255.00	1243.62	1231.55	1218.73	1204.74	1189.63	1173.46
210.0	1278.50	1268.42	1258.08	1247.16	1235.86	1223.94	1211.10	1197.51	1183.11
240.0	1277.52	1267.37	1256.94	1245.87	1234.56	1222.46	1209.40	1195.78	1181.14
270.0	1274.28	1263.71	1252.76	1241.12	1229.04	1215.87	1201.44	1186.31	1169.64
300.0	1277.52	1267.37	1256.94	1245.87	1234.56	1222.46	1209.40	1195.78	1181.14
330.0	1278.50	1268.42	1258.08	1247.16	1235.86	1223.94	1211.10	1197.51	1183.11
360.0	1276.16	1265.76	1255.00	1243.62	1231.55	1218.73	1204.74	1189.63	1173.46

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1156.11	1137.28	1116.68	1094.78	1071.19	1046.40	1020.36	993.54	966.33
30.0	1167.87	1151.49	1134.05	1115.40	1095.38	1074.22	1051.85	1028.50	1004.19
60.0	1165.75	1149.07	1131.49	1112.67	1092.75	1071.33	1048.91	1025.37	1000.98
90.0	1152.04	1132.65	1111.71	1089.49	1066.18	1040.83	1014.70	987.50	960.13
120.0	1165.75	1149.07	1131.49	1112.67	1092.75	1071.33	1048.91	1025.37	1000.98
150.0	1167.87	1151.49	1134.05	1115.40	1095.38	1074.22	1051.85	1028.50	1004.19
180.0	1156.11	1137.28	1116.68	1094.78	1071.19	1046.40	1020.36	993.54	966.33
210.0	1167.87	1151.49	1134.05	1115.40	1095.38	1074.22	1051.85	1028.50	1004.19
240.0	1165.75	1149.07	1131.49	1112.67	1092.75	1071.33	1048.91	1025.37	1000.98
270.0	1152.04	1132.65	1111.71	1089.49	1066.18	1040.83	1014.70	987.50	960.13
300.0	1165.75	1149.07	1131.49	1112.67	1092.75	1071.33	1048.91	1025.37	1000.98
330.0	1167.87	1151.49	1134.05	1115.40	1095.38	1074.22	1051.85	1028.50	1004.19
360.0	1156.11	1137.28	1116.68	1094.78	1071.19	1046.40	1020.36	993.54	966.33
C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	938.80	911.92	885.08	858.81	833.39	808.82	785.46	762.86	740.92
30.0	978.62	952.69	925.69	898.02	869.88	841.48	813.20	784.80	757.11
60.0	975.32	949.13	922.05	894.38	866.11	837.76	809.20	780.49	752.88
90.0	932.39	904.97	877.97	851.69	825.94	801.48	777.49	754.28	732.46
120.0	975.32	949.13	922.05	894.38	866.11	837.76	809.20	780.49	752.88
150.0	978.62	952.69	925.69	898.02	869.88	841.48	813.20	784.80	757.11
180.0	938.80	911.92	885.08	858.81	833.39	808.82	785.46	762.86	740.92
210.0	978.62	952.69	925.69	898.02	869.88	841.48	813.20	784.80	757.11
240.0	975.32	949.13	922.05	894.38	866.11	837.76	809.20	780.49	752.88
270.0	932.39	904.97	877.97	851.69	825.94	801.48	777.49	754.28	732.46
300.0	975.32	949.13	922.05	894.38	866.11	837.76	809.20	780.49	752.88
330.0	978.62	952.69	925.69	898.02	869.88	841.48	813.20	784.80	757.11
360.0	938.80	911.92	885.08	858.81	833.39	808.82	785.46	762.86	740.92
C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	719.99	699.62	679.67	660.19	640.80	621.82	603.04	584.10	565.46
30.0	729.93	703.30	677.69	652.77	628.61	605.24	582.73	561.12	540.10
60.0	725.55	698.67	673.08	648.10	624.28	600.90	578.35	556.95	536.07
90.0	711.22	690.27	670.36	650.73	632.00	612.97	594.11	575.55	557.28
120.0	725.55	698.67	673.08	648.10	624.28	600.90	578.35	556.95	536.07
150.0	729.93	703.30	677.69	652.77	628.61	605.24	582.73	561.12	540.10
180.0	719.99	699.62	679.67	660.19	640.80	621.82	603.04	584.10	565.46
210.0	729.93	703.30	677.69	652.77	628.61	605.24	582.73	561.12	540.10
240.0	725.55	698.67	673.08	648.10	624.28	600.90	578.35	556.95	536.07
270.0	711.22	690.27	670.36	650.73	632.00	612.97	594.11	575.55	557.28
300.0	725.55	698.67	673.08	648.10	624.28	600.90	578.35	556.95	536.07
330.0	729.93	703.30	677.69	652.77	628.61	605.24	582.73	561.12	540.10
360.0	719.99	699.62	679.67	660.19	640.80	621.82	603.04	584.10	565.46
C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	546.86	528.66	510.45	492.34	474.56	456.97	439.64	422.97	407.08
30.0	519.83	500.00	480.52	461.81	443.87	426.70	410.25	394.61	379.66
60.0	515.99	496.25	476.89	458.40	440.54	423.46	407.08	391.62	376.85
90.0	539.00	521.01	503.02	485.28	467.70	450.26	433.05	416.81	401.32
120.0	515.99	496.25	476.89	458.40	440.54	423.46	407.08	391.62	376.85
150.0	519.83	500.00	480.52	461.81	443.87	426.70	410.25	394.61	379.66
180.0	546.86	528.66	510.45	492.34	474.56	456.97	439.64	422.97	407.08
210.0	519.83	500.00	480.52	461.81	443.87	426.70	410.25	394.61	379.66
240.0	515.99	496.25	476.89	458.40	440.54	423.46	407.08	391.62	376.85
270.0	539.00	521.01	503.02	485.28	467.70	450.26	433.05	416.81	401.32
300.0	515.99	496.25	476.89	458.40	440.54	423.46	407.08	391.62	376.85
330.0	519.83	500.00	480.52	461.81	443.87	426.70	410.25	394.61	379.66
360.0	546.86	528.66	510.45	492.34	474.56	456.97	439.64	422.97	407.08

C/ γ (°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	392.01	377.81	364.30	351.37	339.19	327.69	316.66	306.54	297.24
30.0	365.63	352.33	339.72	327.69	316.35	305.56	295.08	285.21	275.87
60.0	362.86	349.54	337.02	324.99	313.66	303.03	292.73	282.95	273.66
90.0	386.33	372.09	358.81	345.86	333.71	322.57	311.85	301.93	292.72
120.0	362.86	349.54	337.02	324.99	313.66	303.03	292.73	282.95	273.66
150.0	365.63	352.33	339.72	327.69	316.35	305.56	295.08	285.21	275.87
180.0	392.01	377.81	364.30	351.37	339.19	327.69	316.66	306.54	297.24
210.0	365.63	352.33	339.72	327.69	316.35	305.56	295.08	285.21	275.87
240.0	362.86	349.54	337.02	324.99	313.66	303.03	292.73	282.95	273.66
270.0	386.33	372.09	358.81	345.86	333.71	322.57	311.85	301.93	292.72
300.0	362.86	349.54	337.02	324.99	313.66	303.03	292.73	282.95	273.66
330.0	365.63	352.33	339.72	327.69	316.35	305.56	295.08	285.21	275.87
360.0	392.01	377.81	364.30	351.37	339.19	327.69	316.66	306.54	297.24

C/ γ (°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	289.01	281.57	274.90	269.00	263.60	258.72	254.37	250.42	246.85
30.0	267.21	259.05	251.44	244.25	237.42	230.98	225.02	219.42	214.15
60.0	265.02	256.87	249.28	242.09	235.30	228.89	222.94	217.36	212.13
90.0	284.54	277.10	270.47	264.56	259.27	254.43	250.08	246.16	242.69
120.0	265.02	256.87	249.28	242.09	235.30	228.89	222.94	217.36	212.13
150.0	267.21	259.05	251.44	244.25	237.42	230.98	225.02	219.42	214.15
180.0	289.01	281.57	274.90	269.00	263.60	258.72	254.37	250.42	246.85
210.0	267.21	259.05	251.44	244.25	237.42	230.98	225.02	219.42	214.15
240.0	265.02	256.87	249.28	242.09	235.30	228.89	222.94	217.36	212.13
270.0	284.54	277.10	270.47	264.56	259.27	254.43	250.08	246.16	242.69
300.0	265.02	256.87	249.28	242.09	235.30	228.89	222.94	217.36	212.13
330.0	267.21	259.05	251.44	244.25	237.42	230.98	225.02	219.42	214.15
360.0	289.01	281.57	274.90	269.00	263.60	258.72	254.37	250.42	246.85

C/ γ (°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	243.70	240.73	237.97	235.31	232.96	230.72	228.61	226.43	224.11
30.0	209.27	204.71	200.53	196.68	193.33	190.30	187.57	184.98	182.49
60.0	207.24	202.66	198.44	194.78	191.54	188.63	185.99	183.49	181.06
90.0	239.52	236.51	233.63	231.35	229.23	227.25	225.32	223.31	221.12
120.0	207.24	202.66	198.44	194.78	191.54	188.63	185.99	183.49	181.06
150.0	209.27	204.71	200.53	196.68	193.33	190.30	187.57	184.98	182.49
180.0	243.70	240.73	237.97	235.31	232.96	230.72	228.61	226.43	224.11
210.0	209.27	204.71	200.53	196.68	193.33	190.30	187.57	184.98	182.49
240.0	207.24	202.66	198.44	194.78	191.54	188.63	185.99	183.49	181.06
270.0	239.52	236.51	233.63	231.35	229.23	227.25	225.32	223.31	221.12
300.0	207.24	202.66	198.44	194.78	191.54	188.63	185.99	183.49	181.06
330.0	209.27	204.71	200.53	196.68	193.33	190.30	187.57	184.98	182.49
360.0	243.70	240.73	237.97	235.31	232.96	230.72	228.61	226.43	224.11

C/ γ (°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	221.51	218.57	215.25	211.44	207.05	202.06	196.58	190.61	184.33
30.0	179.99	177.45	174.82	172.06	169.11	165.94	162.62	159.10	155.45
60.0	178.64	176.17	173.57	170.84	167.92	164.80	161.54	158.11	154.51
90.0	218.69	215.90	212.64	208.90	204.58	199.68	194.34	188.55	182.35
120.0	178.64	176.17	173.57	170.84	167.92	164.80	161.54	158.11	154.51
150.0	179.99	177.45	174.82	172.06	169.11	165.94	162.62	159.10	155.45
180.0	221.51	218.57	215.25	211.44	207.05	202.06	196.58	190.61	184.33
210.0	179.99	177.45	174.82	172.06	169.11	165.94	162.62	159.10	155.45
240.0	178.64	176.17	173.57	170.84	167.92	164.80	161.54	158.11	154.51
270.0	218.69	215.90	212.64	208.90	204.58	199.68	194.34	188.55	182.35
300.0	178.64	176.17	173.57	170.84	167.92	164.80	161.54	158.11	154.51
330.0	179.99	177.45	174.82	172.06	169.11	165.94	162.62	159.10	155.45
360.0	221.51	218.57	215.25	211.44	207.05	202.06	196.58	190.61	184.33

Intensity data(cd)									Appendix Page: 20 Total:21
C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	177.91	171.48	165.09	159.01	153.23	147.74	142.64	138.01	133.69
30.0	151.75	148.03	144.28	140.63	137.05	133.49	129.99	126.61	123.26
60.0	150.89	147.23	143.57	139.97	136.45	132.99	129.58	126.30	123.04
90.0	176.11	169.80	163.58	157.63	151.96	146.70	141.80	137.34	133.24
120.0	150.89	147.23	143.57	139.97	136.45	132.99	129.58	126.30	123.04
150.0	151.75	148.03	144.28	140.63	137.05	133.49	129.99	126.61	123.26
180.0	177.91	171.48	165.09	159.01	153.23	147.74	142.64	138.01	133.69
210.0	151.75	148.03	144.28	140.63	137.05	133.49	129.99	126.61	123.26
240.0	150.89	147.23	143.57	139.97	136.45	132.99	129.58	126.30	123.04
270.0	176.11	169.80	163.58	157.63	151.96	146.70	141.80	137.34	133.24
300.0	150.89	147.23	143.57	139.97	136.45	132.99	129.58	126.30	123.04
330.0	151.75	148.03	144.28	140.63	137.05	133.49	129.99	126.61	123.26
360.0	177.91	171.48	165.09	159.01	153.23	147.74	142.64	138.01	133.69
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	129.63	125.78	122.05	118.41	114.79	111.15	107.45	103.68	99.89
30.0	119.91	116.54	113.11	109.65	106.10	102.48	98.77	94.93	91.06
60.0	119.77	116.49	113.15	109.78	106.30	102.74	99.06	95.27	91.45
90.0	129.33	125.67	122.13	118.67	115.18	111.67	108.03	104.36	100.66
120.0	119.77	116.49	113.15	109.78	106.30	102.74	99.06	95.27	91.45
150.0	119.91	116.54	113.11	109.65	106.10	102.48	98.77	94.93	91.06
180.0	129.63	125.78	122.05	118.41	114.79	111.15	107.45	103.68	99.89
210.0	119.91	116.54	113.11	109.65	106.10	102.48	98.77	94.93	91.06
240.0	119.77	116.49	113.15	109.78	106.30	102.74	99.06	95.27	91.45
270.0	129.33	125.67	122.13	118.67	115.18	111.67	108.03	104.36	100.66
300.0	119.77	116.49	113.15	109.78	106.30	102.74	99.06	95.27	91.45
330.0	119.91	116.54	113.11	109.65	106.10	102.48	98.77	94.93	91.06
360.0	129.63	125.78	122.05	118.41	114.79	111.15	107.45	103.68	99.89
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	96.10	92.33	88.49	84.44	79.96	74.92	69.33	63.29	56.82
30.0	87.15	83.20	79.20	75.09	70.73	66.06	61.11	55.91	50.48
60.0	87.59	83.66	79.66	75.53	71.15	66.47	61.55	56.33	50.91
90.0	96.98	93.27	89.42	85.33	80.84	75.77	70.24	64.14	57.68
120.0	87.59	83.66	79.66	75.53	71.15	66.47	61.55	56.33	50.91
150.0	87.15	83.20	79.20	75.09	70.73	66.06	61.11	55.91	50.48
180.0	96.10	92.33	88.49	84.44	79.96	74.92	69.33	63.29	56.82
210.0	87.15	83.20	79.20	75.09	70.73	66.06	61.11	55.91	50.48
240.0	87.59	83.66	79.66	75.53	71.15	66.47	61.55	56.33	50.91
270.0	96.98	93.27	89.42	85.33	80.84	75.77	70.24	64.14	57.68
300.0	87.59	83.66	79.66	75.53	71.15	66.47	61.55	56.33	50.91
330.0	87.15	83.20	79.20	75.09	70.73	66.06	61.11	55.91	50.48
360.0	96.10	92.33	88.49	84.44	79.96	74.92	69.33	63.29	56.82
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	50.14	43.42	36.74	30.30	24.09	18.37	13.23	8.71	5.02
30.0	44.91	39.29	33.61	28.02	22.52	17.27	12.43	8.13	4.65
60.0	45.34	39.74	34.03	28.40	22.92	17.64	12.77	8.42	4.93
90.0	51.00	44.33	37.58	31.05	24.86	19.07	13.88	9.26	5.52
120.0	45.34	39.74	34.03	28.40	22.92	17.64	12.77	8.42	4.93
150.0	44.91	39.29	33.61	28.02	22.52	17.27	12.43	8.13	4.65
180.0	50.14	43.42	36.74	30.30	24.09	18.37	13.23	8.71	5.02
210.0	44.91	39.29	33.61	28.02	22.52	17.27	12.43	8.13	4.65
240.0	45.34	39.74	34.03	28.40	22.92	17.64	12.77	8.42	4.93
270.0	51.00	44.33	37.58	31.05	24.86	19.07	13.88	9.26	5.52
300.0	45.34	39.74	34.03	28.40	22.92	17.64	12.77	8.42	4.93
330.0	44.91	39.29	33.61	28.02	22.52	17.27	12.43	8.13	4.65
360.0	50.14	43.42	36.74	30.30	24.09	18.37	13.23	8.71	5.02

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	0.92
30.0	0.82
60.0	1.11
90.0	2.99
120.0	1.11
150.0	0.82
180.0	0.92
210.0	0.82
240.0	1.11
270.0	2.99
300.0	1.11
330.0	0.82
360.0	0.92