

Report No	:		Voltage	:	V
Test No	:	A2401357A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	25.000 W
Luminaire	:	0028920198 25W 4000K 3500lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3500.0 lm	Width	:	555 mm
Number of Lamps	:	1	Length	:	555 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3500.00	Central intensity(cd)	:	1666.200
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1666.763
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	1666.200	0.000	0	0.00%	0.00%
0.5	1665.954	0.399	0.399	0.01%	0.01%
1.0	1665.787	1.196	1.594	0.03%	0.05%
1.5	1665.427	1.992	3.587	0.06%	0.10%
2.0	1664.943	2.788	6.375	0.08%	0.18%
2.5	1664.400	3.583	9.958	0.10%	0.28%
3.0	1663.604	4.377	14.336	0.13%	0.41%
3.5	1662.713	5.170	19.506	0.15%	0.56%
4.0	1661.745	5.961	25.467	0.17%	0.73%
4.5	1660.594	6.750	32.217	0.19%	0.92%
5.0	1659.326	7.537	39.754	0.22%	1.14%
5.5	1657.904	8.321	48.075	0.24%	1.37%
6.0	1656.312	9.103	57.178	0.26%	1.63%
6.5	1654.725	9.882	67.061	0.28%	1.92%
7.0	1653.007	10.659	77.719	0.30%	2.22%
7.5	1651.022	11.431	89.151	0.33%	2.55%
8.0	1649.104	12.201	101.351	0.35%	2.90%
8.5	1646.966	12.966	114.318	0.37%	3.27%
9.0	1644.597	13.728	128.045	0.39%	3.66%
9.5	1642.230	14.485	142.53	0.41%	4.07%
10.0	1639.675	15.237	157.767	0.44%	4.51%
10.5	1636.987	15.985	173.752	0.46%	4.96%
11.0	1634.156	16.727	190.479	0.48%	5.44%
11.5	1631.203	17.465	207.944	0.50%	5.94%
12.0	1628.210	18.197	226.141	0.52%	6.46%
12.5	1625.197	18.925	245.066	0.54%	7.00%
13.0	1622.063	19.648	264.714	0.56%	7.56%
13.5	1618.628	20.363	285.077	0.58%	8.15%
14.0	1615.146	21.072	306.149	0.60%	8.75%
14.5	1611.422	21.774	327.923	0.62%	9.37%
15.0	1607.455	22.468	350.391	0.64%	10.01%
15.5	1603.529	23.155	373.546	0.66%	10.67%
16.0	1599.422	23.835	397.381	0.68%	11.35%
16.5	1595.116	24.507	421.889	0.70%	12.05%
17.0	1590.702	25.171	447.06	0.72%	12.77%
17.5	1586.237	25.828	472.888	0.74%	13.51%
18.0	1581.575	26.477	499.364	0.76%	14.27%
18.5	1576.889	27.117	526.482	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	1572.045	27.750	554.231	0.79%	15.84%
19.5	1566.888	28.372	582.603	0.81%	16.65%
20.0	1561.693	28.984	611.587	0.83%	17.47%
20.5	1556.260	29.586	641.173	0.85%	18.32%
21.0	1550.763	30.179	671.351	0.86%	19.18%
21.5	1545.047	30.761	702.113	0.88%	20.06%
22.0	1539.094	31.332	733.444	0.90%	20.96%
22.5	1533.098	31.892	765.336	0.91%	21.87%
23.0	1527.141	32.444	797.781	0.93%	22.79%
23.5	1520.867	32.986	830.766	0.94%	23.74%
24.0	1514.244	33.512	864.279	0.96%	24.69%
24.5	1507.503	34.025	898.304	0.97%	25.67%
25.0	1500.655	34.527	932.831	0.99%	26.65%
25.5	1493.274	35.013	967.843	1.00%	27.65%
26.0	1486.059	35.485	1003.329	1.01%	28.67%
26.5	1478.579	35.948	1039.277	1.03%	29.69%
27.0	1470.685	36.393	1075.67	1.04%	30.73%
27.5	1462.676	36.822	1112.492	1.05%	31.79%
28.0	1454.348	37.236	1149.727	1.06%	32.85%
28.5	1445.716	37.632	1187.36	1.08%	33.92%
29.0	1437.058	38.014	1225.373	1.09%	35.01%
29.5	1428.019	38.380	1263.753	1.10%	36.11%
30.0	1418.519	38.724	1302.478	1.11%	37.21%
30.5	1408.738	39.048	1341.525	1.12%	38.33%
31.0	1398.768	39.354	1380.879	1.12%	39.45%
31.5	1388.130	39.636	1420.516	1.13%	40.59%
32.0	1377.004	39.891	1460.407	1.14%	41.73%
32.5	1365.544	40.122	1500.528	1.15%	42.87%
33.0	1353.405	40.325	1540.853	1.15%	44.02%
33.5	1340.839	40.499	1581.352	1.16%	45.18%
34.0	1327.425	40.641	1621.993	1.16%	46.34%
34.5	1312.896	40.739	1662.732	1.16%	47.51%
35.0	1297.556	40.793	1703.525	1.17%	48.67%
35.5	1281.084	40.801	1744.326	1.17%	49.84%
36.0	1263.656	40.760	1785.086	1.16%	51.00%
36.5	1244.756	40.664	1825.75	1.16%	52.16%
37.0	1224.544	40.505	1866.255	1.16%	53.32%
37.5	1202.976	40.283	1906.538	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	1180.004	39.996	1946.535	1.14%	55.62%
38.5	1155.493	39.640	1986.175	1.13%	56.75%
39.0	1129.816	39.216	2025.391	1.12%	57.87%
39.5	1103.037	38.731	2064.122	1.11%	58.97%
40.0	1075.503	38.191	2102.313	1.09%	60.07%
40.5	1046.931	37.596	2139.909	1.07%	61.14%
41.0	1018.211	36.957	2176.866	1.06%	62.20%
41.5	988.864	36.280	2213.147	1.04%	63.23%
42.0	959.295	35.565	2248.711	1.02%	64.25%
42.5	929.584	34.818	2283.529	0.99%	65.24%
43.0	900.138	34.050	2317.58	0.97%	66.22%
43.5	870.970	33.270	2350.849	0.95%	67.17%
44.0	841.976	32.474	2383.324	0.93%	68.09%
44.5	814.013	31.679	2415.003	0.91%	69.00%
45.0	786.625	30.894	2445.897	0.88%	69.88%
45.5	759.749	30.108	2476.005	0.86%	70.74%
46.0	733.979	29.333	2505.338	0.84%	71.58%
46.5	708.815	28.573	2533.911	0.82%	72.40%
47.0	684.527	27.823	2561.734	0.79%	73.19%
47.5	660.701	27.082	2588.816	0.77%	73.97%
48.0	637.555	26.346	2615.162	0.75%	74.72%
48.5	615.179	25.623	2640.785	0.73%	75.45%
49.0	593.309	24.909	2665.695	0.71%	76.16%
49.5	572.010	24.203	2689.897	0.69%	76.85%
50.0	551.119	23.501	2713.398	0.67%	77.53%
50.5	530.486	22.798	2736.196	0.65%	78.18%
51.0	510.512	22.101	2758.297	0.63%	78.81%
51.5	491.134	21.416	2779.713	0.61%	79.42%
52.0	472.382	20.744	2800.457	0.59%	80.01%
52.5	454.230	20.086	2820.544	0.57%	80.59%
53.0	436.998	19.449	2839.993	0.56%	81.14%
53.5	420.547	18.837	2858.83	0.54%	81.68%
54.0	404.949	18.251	2877.081	0.52%	82.20%
54.5	390.151	17.691	2894.772	0.51%	82.71%
55.0	376.191	17.157	2911.929	0.49%	83.20%
55.5	362.790	16.646	2928.575	0.48%	83.67%
56.0	350.166	16.157	2944.732	0.46%	84.14%
56.5	338.303	15.694	2960.426	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	326.836	15.250	2975.675	0.44%	85.02%
57.5	316.083	14.824	2990.499	0.42%	85.44%
58.0	305.981	14.423	3004.923	0.41%	85.85%
58.5	296.738	14.051	3018.974	0.40%	86.26%
59.0	288.135	13.708	3032.682	0.39%	86.65%
59.5	280.221	13.391	3046.073	0.38%	87.03%
60.0	272.871	13.099	3059.171	0.37%	87.40%
60.5	266.000	12.826	3071.998	0.37%	87.77%
61.0	259.581	12.572	3084.57	0.36%	88.13%
61.5	253.688	12.337	3096.906	0.35%	88.48%
62.0	248.217	12.121	3109.027	0.35%	88.83%
62.5	243.133	11.921	3120.949	0.34%	89.17%
63.0	238.450	11.738	3132.686	0.34%	89.51%
63.5	234.055	11.568	3144.254	0.33%	89.84%
64.0	229.987	11.410	3155.664	0.33%	90.16%
64.5	226.376	11.269	3166.933	0.32%	90.48%
65.0	223.177	11.147	3178.08	0.32%	90.80%
65.5	220.259	11.040	3189.12	0.32%	91.12%
66.0	217.579	10.944	3200.065	0.31%	91.43%
66.5	214.977	10.854	3210.919	0.31%	91.74%
67.0	212.379	10.765	3221.684	0.31%	92.05%
67.5	209.686	10.671	3232.355	0.30%	92.35%
68.0	206.830	10.569	3242.923	0.30%	92.65%
68.5	203.745	10.455	3253.378	0.30%	92.95%
69.0	200.388	10.326	3263.704	0.30%	93.25%
69.5	196.681	10.180	3273.884	0.29%	93.54%
70.0	192.613	10.013	3283.897	0.29%	93.83%
70.5	188.265	9.828	3293.725	0.28%	94.11%
71.0	183.619	9.625	3303.35	0.28%	94.38%
71.5	178.734	9.407	3312.757	0.27%	94.65%
72.0	173.783	9.178	3321.935	0.26%	94.91%
72.5	168.804	8.945	3330.88	0.26%	95.17%
73.0	163.834	8.709	3339.59	0.25%	95.42%
73.5	159.026	8.476	3348.065	0.24%	95.66%
74.0	154.378	8.249	3356.314	0.24%	95.89%
74.5	149.891	8.028	3364.343	0.23%	96.12%
75.0	145.574	7.815	3372.158	0.22%	96.35%
75.5	141.514	7.611	3379.769	0.22%	96.56%

Zonal flux distribution table

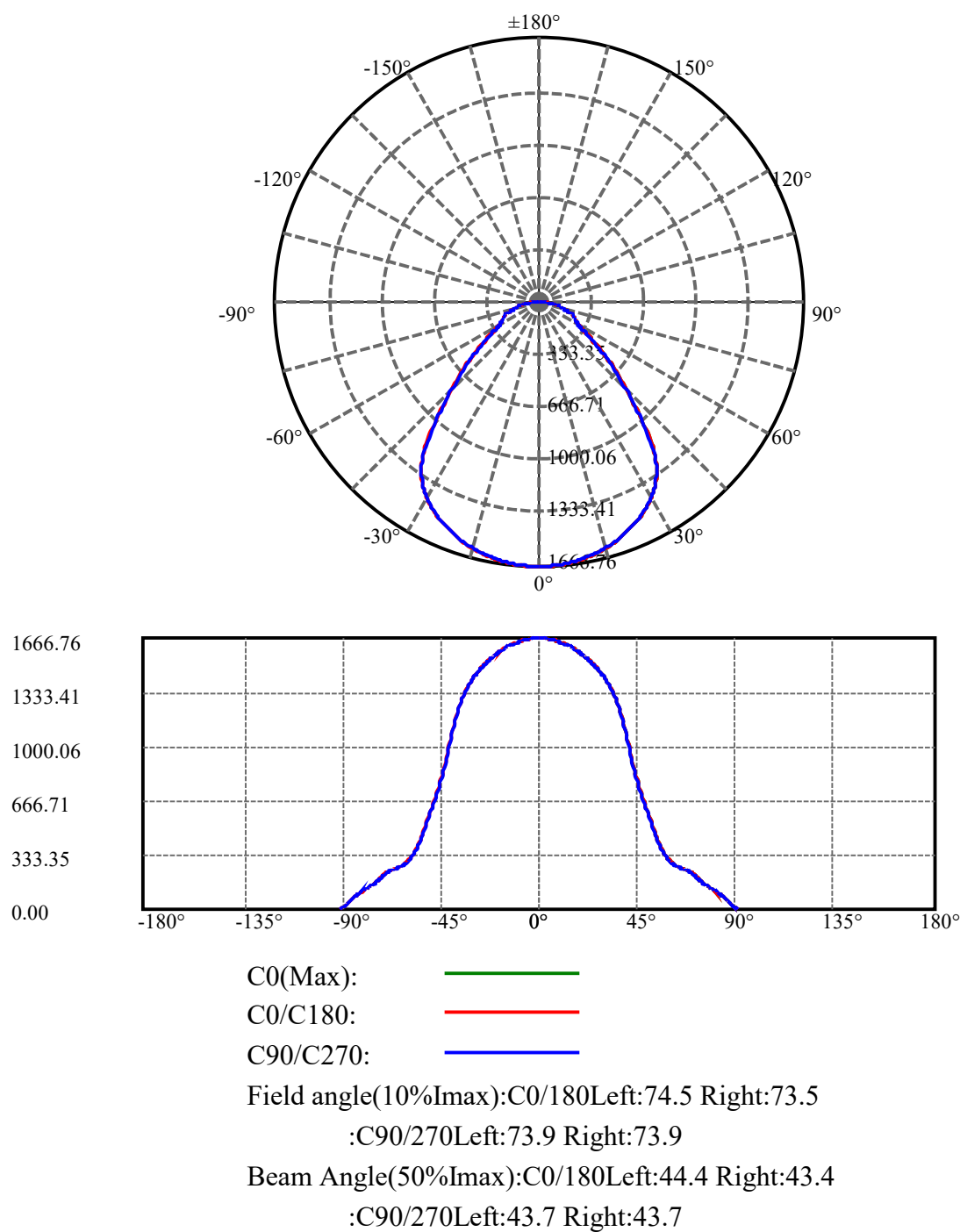
Appendix Page: 6 Total:21

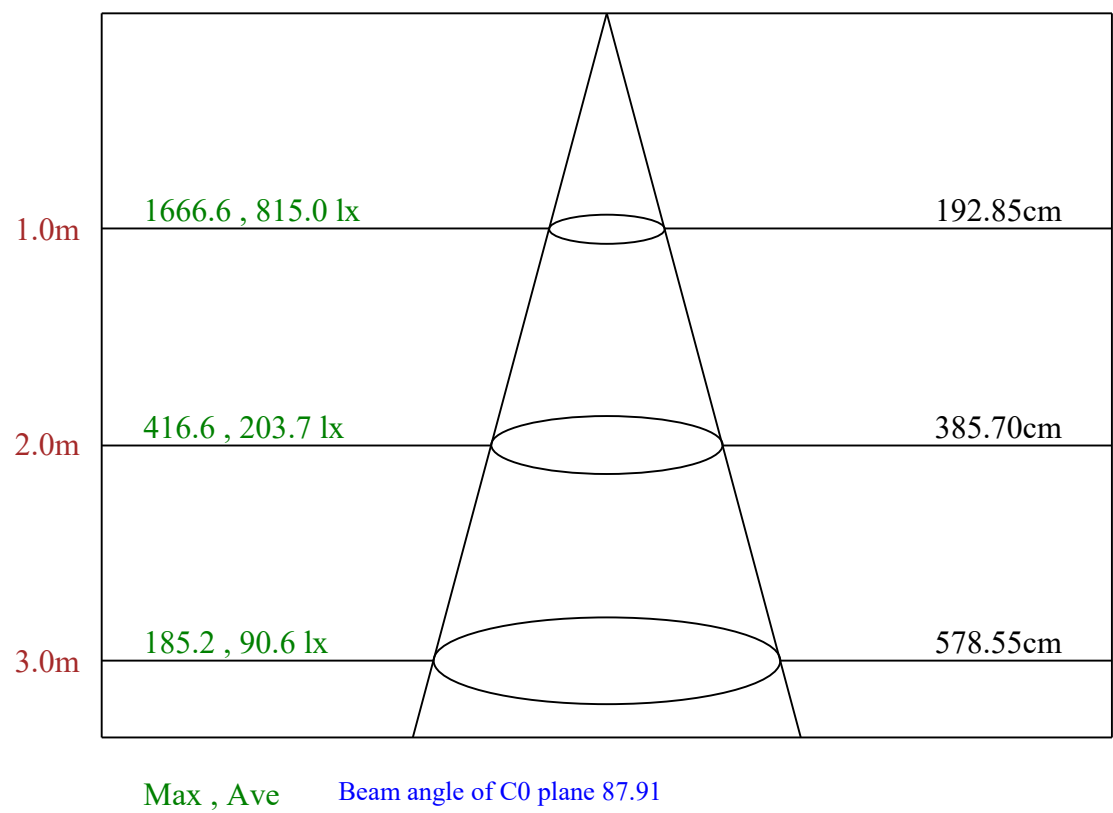
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	137.593	7.416	3387.185	0.21%	96.78%
76.5	133.752	7.226	3394.411	0.21%	96.98%
77.0	129.981	7.038	3401.449	0.20%	97.18%
77.5	126.216	6.851	3408.3	0.20%	97.38%
78.0	122.451	6.662	3414.962	0.19%	97.57%
78.5	118.616	6.470	3421.432	0.18%	97.76%
79.0	114.718	6.274	3427.706	0.18%	97.93%
79.5	110.711	6.072	3433.778	0.17%	98.11%
80.0	106.600	5.863	3439.641	0.17%	98.28%
80.5	102.459	5.649	3445.289	0.16%	98.44%
81.0	98.288	5.432	3450.721	0.16%	98.59%
81.5	94.078	5.212	3455.934	0.15%	98.74%
82.0	89.790	4.989	3460.922	0.14%	98.88%
82.5	85.327	4.757	3465.68	0.14%	99.02%
83.0	80.536	4.511	3470.19	0.13%	99.15%
83.5	75.318	4.243	3474.434	0.12%	99.27%
84.0	69.725	3.953	3478.386	0.11%	99.38%
84.5	63.750	3.641	3482.027	0.10%	99.49%
85.0	57.479	3.310	3485.337	0.09%	99.58%
85.5	51.021	2.964	3488.301	0.08%	99.67%
86.0	44.526	2.612	3490.913	0.07%	99.74%
86.5	37.968	2.257	3493.17	0.06%	99.80%
87.0	31.556	1.903	3495.073	0.05%	99.86%
87.5	25.331	1.558	3496.631	0.04%	99.90%
88.0	19.431	1.226	3497.857	0.04%	99.94%
88.5	14.038	0.917	3498.774	0.03%	99.96%
89.0	9.252	0.638	3499.413	0.02%	99.98%
89.5	5.379	0.401	3499.814	0.01%	99.99%
90.0	1.408	0.186	3500	0.01%	100.00%

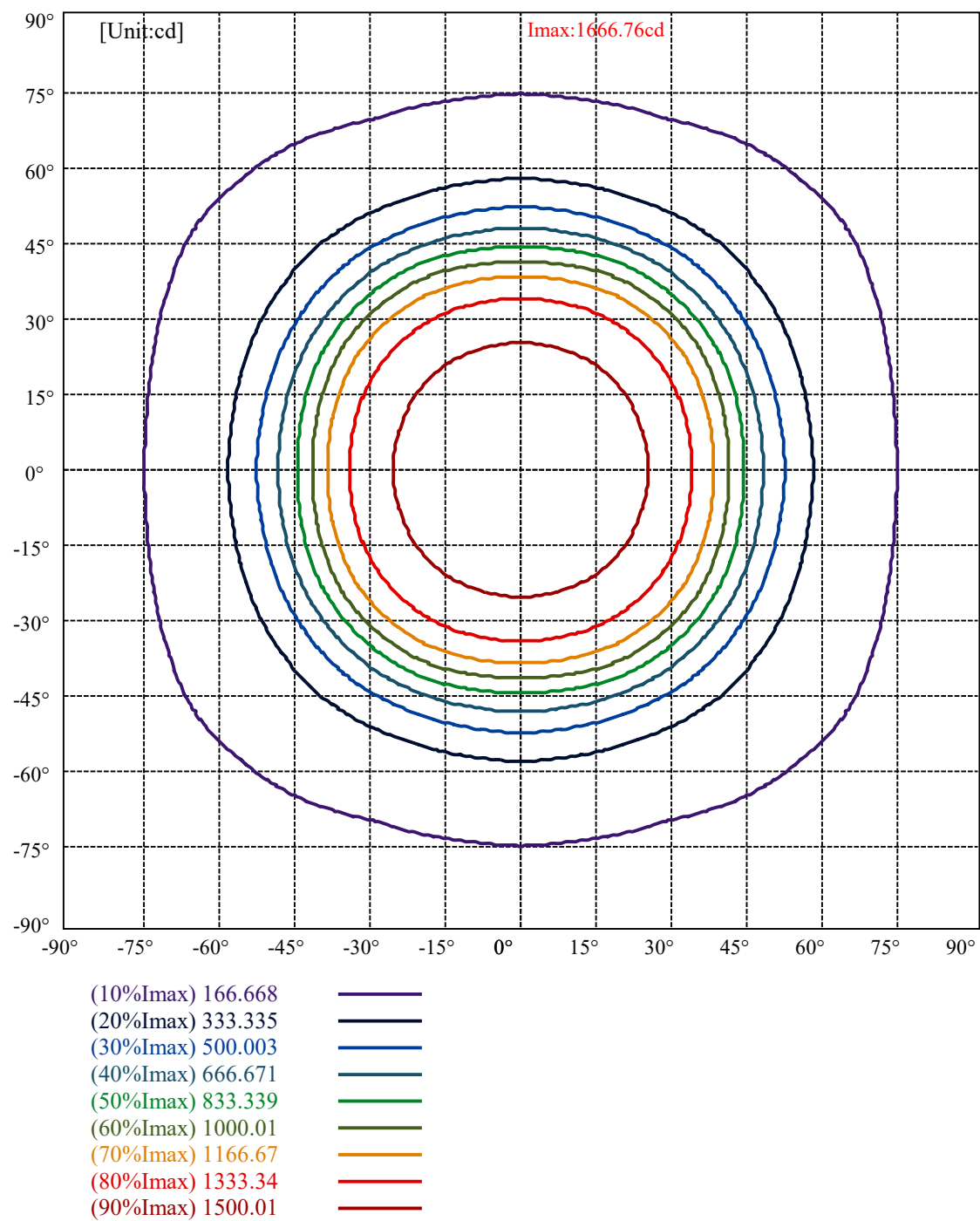
ZONAL LUMEN SUMMARY			
Zone	Lumens	%Lamp	%Fixt
0-30	1302.48	37.21%	37.21%
0-40	2102.31	60.07%	60.07%
0-60	3059.17	87.40%	87.40%
0-90	3499.81	99.99%	99.99%
0-120	3499.81	99.99%	99.99%
0-180	3500.00	100.00%	100.00%
60-90	440.64	12.59%	12.59%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-51.99	2800.00	80.00%	80.00%

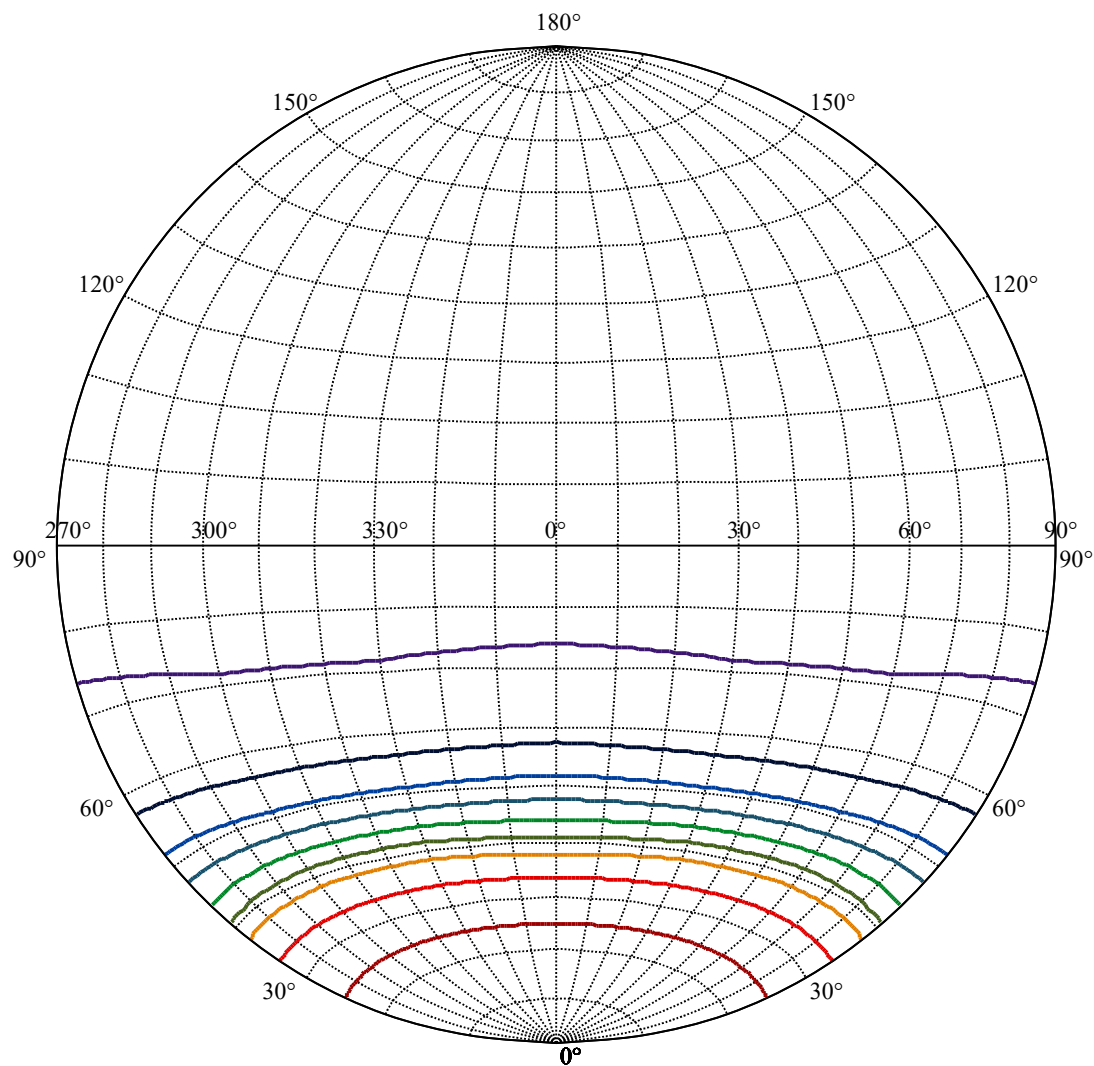
ZONAL LUMEN SUMMARY

0-10	157.77
10-20	453.82
20-30	690.89
30-40	799.83
40-50	611.09
50-60	345.77
60-70	224.73
70-80	155.74
80-90	60.17
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







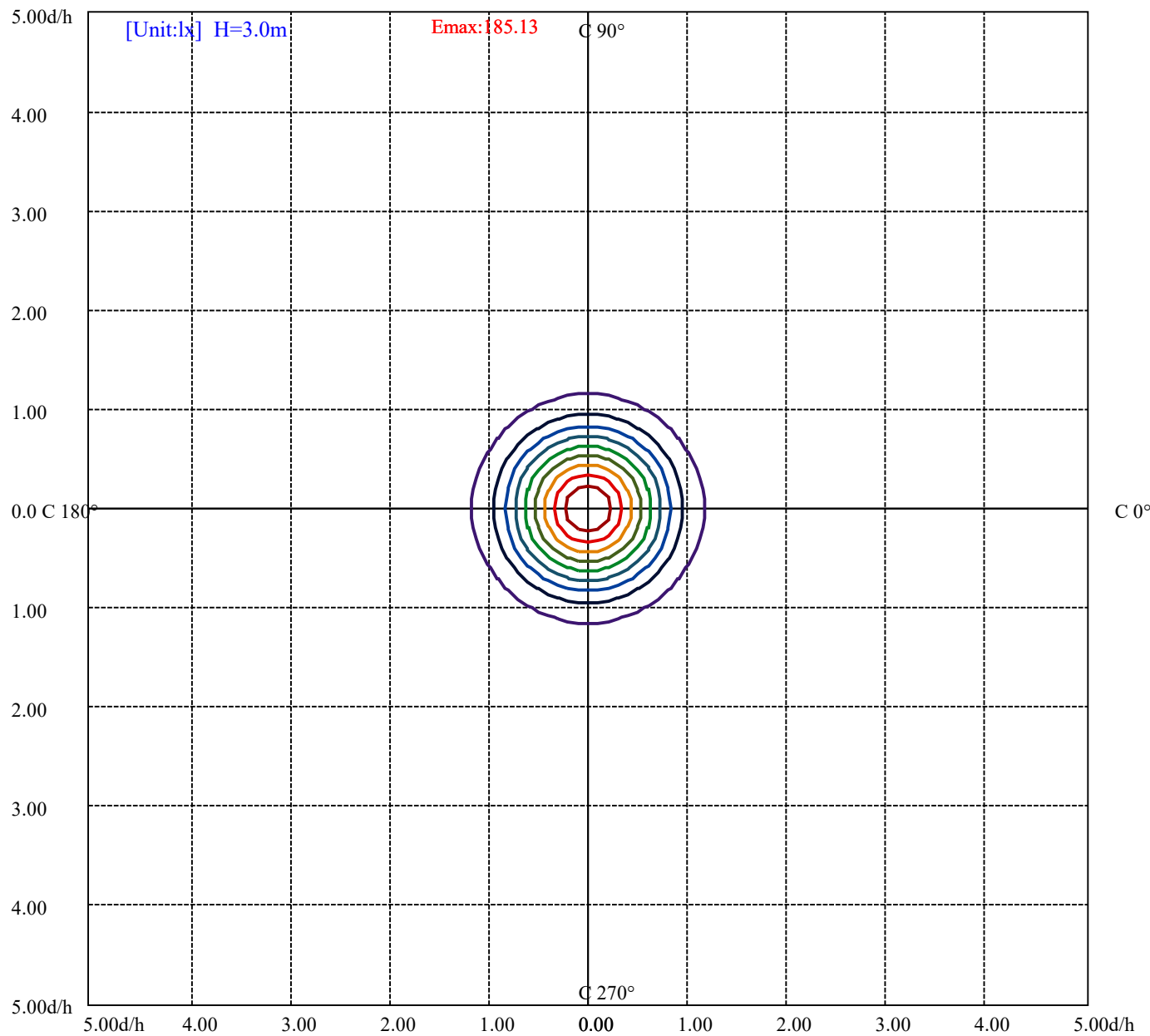


House

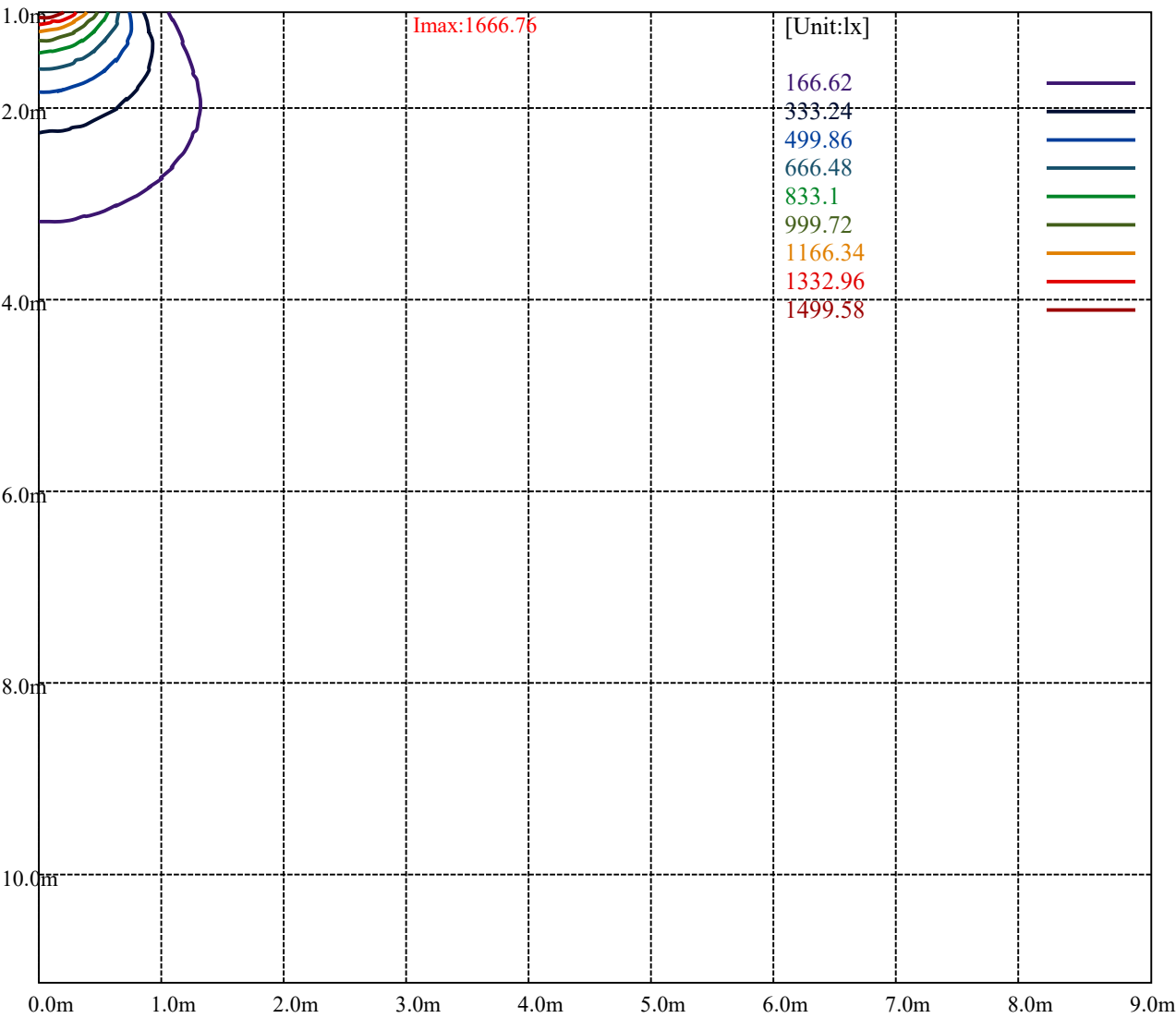
[Unit:cd]

Road

Imax:1666.76	
(10%Imax) 166.668	
(20%Imax) 333.335	
(30%Imax) 500.003	
(40%Imax) 666.671	
(50%Imax) 833.339	
(60%Imax) 1000.01	
(70%Imax) 1166.67	
(80%Imax) 1333.34	
(90%Imax) 1500.01	



(10%Emax)	18.51333	
(20%Emax)	37.02666	
(30%Emax)	55.54	
(40%Emax)	74.05333	
(50%Emax)	92.56667	
(60%Emax)	111.08	
(70%Emax)	129.5933	
(80%Emax)	148.1067	
(90%Emax)	166.62	



Luminance Limiting Curve(no luminous side)

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Luminance Table

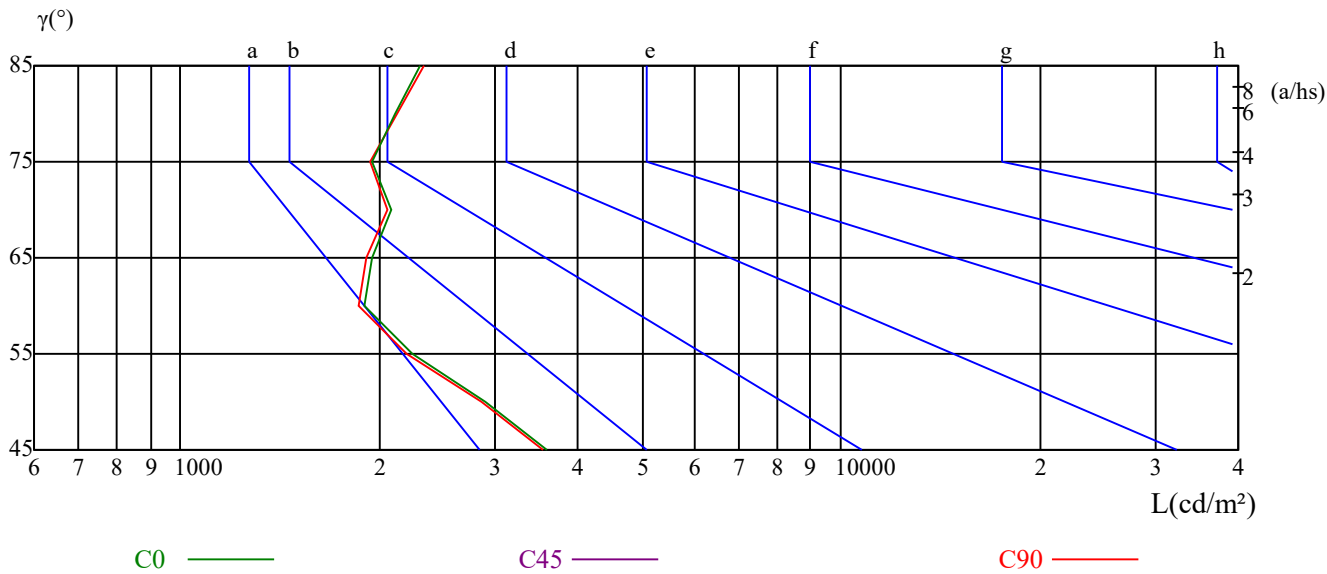
γ	45	50	55	60	65	70	75	80	85
C0	3593	2902	2241	1898	1945	2085	1945	2107	2301
C45	0	0	0	0	0	0	0	0	0
C90	3549	2860	2207	1867	1914	2060	1933	2121	2335

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1945	1914	0	1945	1933	0	2301	2335	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	14.72	16.16	15.08	16.48	16.79	14.66	16.11	15.02	16.42	16.73
	3H	15.93	17.23	16.31	17.56	17.91	15.87	17.16	16.25	17.50	17.84
	4H	16.52	17.73	16.92	18.09	18.45	16.46	17.67	16.85	18.03	18.39
	6H	17.11	18.24	17.52	18.61	19.00	17.07	18.19	17.47	18.56	18.95
	8H	17.37	18.45	17.78	18.83	19.23	17.33	18.42	17.75	18.79	19.20
	12H	17.58	18.62	18.00	19.01	19.42	17.56	18.59	17.97	18.98	19.39
4H	2H	15.00	16.21	15.39	16.56	16.92	14.95	16.16	15.34	16.51	16.88
	3H	16.42	17.45	16.84	17.84	18.25	16.37	17.39	16.79	17.78	18.19
	4H	17.23	18.13	17.66	18.55	18.99	17.17	18.08	17.61	18.50	18.94
	6H	17.96	18.77	18.43	19.21	19.66	17.93	18.73	18.39	19.18	19.62
	8H	18.34	19.09	18.81	19.54	20.00	18.31	19.07	18.79	19.51	19.98
	12H	18.66	19.36	19.14	19.80	20.31	18.64	19.34	19.12	19.78	20.29
8H	4H	17.46	18.22	17.94	18.66	19.13	17.42	18.17	17.89	18.62	19.08
	6H	18.37	19.00	18.86	19.47	19.97	18.34	18.97	18.83	19.44	19.94
	8H	18.90	19.46	19.42	19.97	20.46	18.89	19.44	19.40	19.95	20.44
	12H	19.33	19.80	19.86	20.31	20.82	19.33	19.79	19.85	20.30	20.81
12H	4H	17.50	18.20	17.98	18.64	19.15	17.46	18.16	17.94	18.60	19.11
	6H	18.50	19.06	19.02	19.57	20.06	18.48	19.03	18.99	19.54	20.03
	8H	19.05	19.51	19.57	20.02	20.53	19.03	19.50	19.56	20.01	20.52
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		3.4					3.4				

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	1666.20	1666.76	1666.68	1666.31	1665.76	1665.28	1664.58	1663.60	1662.55
30.0	1666.20	1666.39	1666.36	1666.03	1665.50	1665.03	1664.22	1663.32	1662.31
60.0	1666.20	1665.55	1665.33	1664.98	1664.53	1663.96	1663.11	1662.27	1661.34
90.0	1666.20	1665.08	1664.66	1664.23	1663.84	1663.15	1662.40	1661.50	1660.62
120.0	1666.20	1665.55	1665.33	1664.98	1664.53	1663.96	1663.11	1662.27	1661.34
150.0	1666.20	1666.39	1666.36	1666.03	1665.50	1665.03	1664.22	1663.32	1662.31
180.0	1666.20	1666.76	1666.68	1666.31	1665.76	1665.28	1664.58	1663.60	1662.55
210.0	1666.20	1666.39	1666.36	1666.03	1665.50	1665.03	1664.22	1663.32	1662.31
240.0	1666.20	1665.55	1665.33	1664.98	1664.53	1663.96	1663.11	1662.27	1661.34
270.0	1666.20	1665.08	1664.66	1664.23	1663.84	1663.15	1662.40	1661.50	1660.62
300.0	1666.20	1665.55	1665.33	1664.98	1664.53	1663.96	1663.11	1662.27	1661.34
330.0	1666.20	1666.39	1666.36	1666.03	1665.50	1665.03	1664.22	1663.32	1662.31
360.0	1666.20	1666.76	1666.68	1666.31	1665.76	1665.28	1664.58	1663.60	1662.55

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1661.51	1660.30	1658.77	1657.27	1655.67	1653.88	1651.87	1650.05	1647.93
30.0	1661.18	1659.96	1658.50	1656.96	1655.35	1653.59	1651.65	1649.75	1647.68
60.0	1660.12	1658.83	1657.47	1655.83	1654.25	1652.56	1650.60	1648.62	1646.49
90.0	1659.44	1658.07	1656.71	1655.02	1653.48	1651.86	1649.76	1647.82	1645.54
120.0	1660.12	1658.83	1657.47	1655.83	1654.25	1652.56	1650.60	1648.62	1646.49
150.0	1661.18	1659.96	1658.50	1656.96	1655.35	1653.59	1651.65	1649.75	1647.68
180.0	1661.51	1660.30	1658.77	1657.27	1655.67	1653.88	1651.87	1650.05	1647.93
210.0	1661.18	1659.96	1658.50	1656.96	1655.35	1653.59	1651.65	1649.75	1647.68
240.0	1660.12	1658.83	1657.47	1655.83	1654.25	1652.56	1650.60	1648.62	1646.49
270.0	1659.44	1658.07	1656.71	1655.02	1653.48	1651.86	1649.76	1647.82	1645.54
300.0	1660.12	1658.83	1657.47	1655.83	1654.25	1652.56	1650.60	1648.62	1646.49
330.0	1661.18	1659.96	1658.50	1656.96	1655.35	1653.59	1651.65	1649.75	1647.68
360.0	1661.51	1660.30	1658.77	1657.27	1655.67	1653.88	1651.87	1650.05	1647.93

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1645.50	1643.13	1640.58	1637.85	1635.04	1632.07	1629.15	1625.99	1622.96
30.0	1645.25	1642.96	1640.32	1637.66	1634.85	1631.88	1628.89	1625.84	1622.70
60.0	1644.14	1641.78	1639.21	1636.55	1633.71	1630.77	1627.73	1624.79	1621.61
90.0	1643.32	1640.76	1638.40	1635.66	1632.78	1629.86	1626.87	1623.92	1620.79
120.0	1644.14	1641.78	1639.21	1636.55	1633.71	1630.77	1627.73	1624.79	1621.61
150.0	1645.25	1642.96	1640.32	1637.66	1634.85	1631.88	1628.89	1625.84	1622.70
180.0	1645.50	1643.13	1640.58	1637.85	1635.04	1632.07	1629.15	1625.99	1622.96
210.0	1645.25	1642.96	1640.32	1637.66	1634.85	1631.88	1628.89	1625.84	1622.70
240.0	1644.14	1641.78	1639.21	1636.55	1633.71	1630.77	1627.73	1624.79	1621.61
270.0	1643.32	1640.76	1638.40	1635.66	1632.78	1629.86	1626.87	1623.92	1620.79
300.0	1644.14	1641.78	1639.21	1636.55	1633.71	1630.77	1627.73	1624.79	1621.61
330.0	1645.25	1642.96	1640.32	1637.66	1634.85	1631.88	1628.89	1625.84	1622.70
360.0	1645.50	1643.13	1640.58	1637.85	1635.04	1632.07	1629.15	1625.99	1622.96

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1619.54	1616.02	1612.28	1608.41	1604.27	1600.27	1596.03	1591.72	1587.24
30.0	1619.25	1615.81	1612.08	1608.17	1604.16	1600.09	1595.85	1591.44	1586.94
60.0	1618.17	1614.71	1610.99	1606.98	1603.16	1598.99	1594.66	1590.19	1585.73
90.0	1617.40	1613.82	1610.12	1606.03	1602.26	1598.10	1593.65	1589.24	1584.85
120.0	1618.17	1614.71	1610.99	1606.98	1603.16	1598.99	1594.66	1590.19	1585.73
150.0	1619.25	1615.81	1612.08	1608.17	1604.16	1600.09	1595.85	1591.44	1586.94
180.0	1619.54	1616.02	1612.28	1608.41	1604.27	1600.27	1596.03	1591.72	1587.24
210.0	1619.25	1615.81	1612.08	1608.17	1604.16	1600.09	1595.85	1591.44	1586.94
240.0	1618.17	1614.71	1610.99	1606.98	1603.16	1598.99	1594.66	1590.19	1585.73
270.0	1617.40	1613.82	1610.12	1606.03	1602.26	1598.10	1593.65	1589.24	1584.85
300.0	1618.17	1614.71	1610.99	1606.98	1603.16	1598.99	1594.66	1590.19	1585.73
330.0	1619.25	1615.81	1612.08	1608.17	1604.16	1600.09	1595.85	1591.44	1586.94
360.0	1619.54	1616.02	1612.28	1608.41	1604.27	1600.27	1596.03	1591.72	1587.24

Intensity data(cd)									Appendix Page: 17 Total:21
C/γ(°)	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0
0.0	1582.52	1577.82	1572.88	1567.75	1562.55	1557.06	1551.53	1545.93	1539.91
30.0	1582.28	1577.52	1572.70	1567.58	1562.32	1556.89	1551.43	1545.73	1539.87
60.0	1581.11	1576.41	1571.62	1566.46	1561.26	1555.85	1550.38	1544.59	1538.68
90.0	1580.15	1575.65	1570.74	1565.50	1560.45	1555.02	1549.42	1543.71	1537.55
120.0	1581.11	1576.41	1571.62	1566.46	1561.26	1555.85	1550.38	1544.59	1538.68
150.0	1582.28	1577.52	1572.70	1567.58	1562.32	1556.89	1551.43	1545.73	1539.87
180.0	1582.52	1577.82	1572.88	1567.75	1562.55	1557.06	1551.53	1545.93	1539.91
210.0	1582.28	1577.52	1572.70	1567.58	1562.32	1556.89	1551.43	1545.73	1539.87
240.0	1581.11	1576.41	1571.62	1566.46	1561.26	1555.85	1550.38	1544.59	1538.68
270.0	1580.15	1575.65	1570.74	1565.50	1560.45	1555.02	1549.42	1543.71	1537.55
300.0	1581.11	1576.41	1571.62	1566.46	1561.26	1555.85	1550.38	1544.59	1538.68
330.0	1582.28	1577.52	1572.70	1567.58	1562.32	1556.89	1551.43	1545.73	1539.87
360.0	1582.52	1577.82	1572.88	1567.75	1562.55	1557.06	1551.53	1545.93	1539.91
C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1533.81	1527.66	1521.26	1514.63	1507.86	1500.86	1493.41	1486.21	1478.57
30.0	1533.90	1527.87	1521.59	1515.05	1508.37	1501.49	1494.15	1486.98	1479.54
60.0	1532.74	1526.87	1520.66	1514.05	1507.32	1500.54	1493.20	1485.98	1478.57
90.0	1531.49	1525.69	1519.45	1512.65	1505.77	1499.01	1491.52	1484.23	1476.67
120.0	1532.74	1526.87	1520.66	1514.05	1507.32	1500.54	1493.20	1485.98	1478.57
150.0	1533.90	1527.87	1521.59	1515.05	1508.37	1501.49	1494.15	1486.98	1479.54
180.0	1533.81	1527.66	1521.26	1514.63	1507.86	1500.86	1493.41	1486.21	1478.57
210.0	1533.90	1527.87	1521.59	1515.05	1508.37	1501.49	1494.15	1486.98	1479.54
240.0	1532.74	1526.87	1520.66	1514.05	1507.32	1500.54	1493.20	1485.98	1478.57
270.0	1531.49	1525.69	1519.45	1512.65	1505.77	1499.01	1491.52	1484.23	1476.67
300.0	1532.74	1526.87	1520.66	1514.05	1507.32	1500.54	1493.20	1485.98	1478.57
330.0	1533.90	1527.87	1521.59	1515.05	1508.37	1501.49	1494.15	1486.98	1479.54
360.0	1533.81	1527.66	1521.26	1514.63	1507.86	1500.86	1493.41	1486.21	1478.57
C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1470.56	1462.32	1454.01	1445.37	1436.53	1427.42	1417.99	1408.07	1397.94
30.0	1471.74	1463.65	1455.45	1446.92	1438.17	1429.21	1419.87	1410.16	1400.25
60.0	1470.75	1462.83	1454.51	1445.90	1437.31	1428.31	1418.78	1409.06	1399.17
90.0	1468.59	1460.75	1452.17	1443.30	1434.87	1425.67	1415.83	1405.91	1395.84
120.0	1470.75	1462.83	1454.51	1445.90	1437.31	1428.31	1418.78	1409.06	1399.17
150.0	1471.74	1463.65	1455.45	1446.92	1438.17	1429.21	1419.87	1410.16	1400.25
180.0	1470.56	1462.32	1454.01	1445.37	1436.53	1427.42	1417.99	1408.07	1397.94
210.0	1471.74	1463.65	1455.45	1446.92	1438.17	1429.21	1419.87	1410.16	1400.25
240.0	1470.75	1462.83	1454.51	1445.90	1437.31	1428.31	1418.78	1409.06	1399.17
270.0	1468.59	1460.75	1452.17	1443.30	1434.87	1425.67	1415.83	1405.91	1395.84
300.0	1470.75	1462.83	1454.51	1445.90	1437.31	1428.31	1418.78	1409.06	1399.17
330.0	1471.74	1463.65	1455.45	1446.92	1438.17	1429.21	1419.87	1410.16	1400.25
360.0	1470.56	1462.32	1454.01	1445.37	1436.53	1427.42	1417.99	1408.07	1397.94
C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1387.13	1375.83	1364.13	1351.76	1338.64	1324.70	1309.50	1293.08	1275.50
30.0	1389.67	1378.72	1367.48	1355.61	1343.33	1330.37	1316.42	1301.64	1285.99
60.0	1388.61	1377.58	1366.24	1354.21	1341.92	1328.76	1314.57	1299.76	1283.85
90.0	1385.08	1373.60	1361.70	1349.05	1335.91	1321.60	1305.91	1289.47	1271.34
120.0	1388.61	1377.58	1366.24	1354.21	1341.92	1328.76	1314.57	1299.76	1283.85
150.0	1389.67	1378.72	1367.48	1355.61	1343.33	1330.37	1316.42	1301.64	1285.99
180.0	1387.13	1375.83	1364.13	1351.76	1338.64	1324.70	1309.50	1293.08	1275.50
210.0	1389.67	1378.72	1367.48	1355.61	1343.33	1330.37	1316.42	1301.64	1285.99
240.0	1388.61	1377.58	1366.24	1354.21	1341.92	1328.76	1314.57	1299.76	1283.85
270.0	1385.08	1373.60	1361.70	1349.05	1335.91	1321.60	1305.91	1289.47	1271.34
300.0	1388.61	1377.58	1366.24	1354.21	1341.92	1328.76	1314.57	1299.76	1283.85
330.0	1389.67	1378.72	1367.48	1355.61	1343.33	1330.37	1316.42	1301.64	1285.99
360.0	1387.13	1375.83	1364.13	1351.76	1338.64	1324.70	1309.50	1293.08	1275.50

Intensity data(cd)

Appendix Page: 18 Total:21

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1256.65	1236.18	1213.79	1189.98	1164.33	1137.39	1109.09	1079.93	1050.36
30.0	1269.43	1251.62	1232.67	1212.40	1190.63	1167.63	1143.32	1117.93	1091.51
60.0	1267.12	1248.99	1229.88	1209.43	1187.77	1164.49	1140.12	1114.53	1088.02
90.0	1252.21	1231.14	1208.38	1184.23	1158.89	1131.33	1102.93	1073.37	1043.62
120.0	1267.12	1248.99	1229.88	1209.43	1187.77	1164.49	1140.12	1114.53	1088.02
150.0	1269.43	1251.62	1232.67	1212.40	1190.63	1167.63	1143.32	1117.93	1091.51
180.0	1256.65	1236.18	1213.79	1189.98	1164.33	1137.39	1109.09	1079.93	1050.36
210.0	1269.43	1251.62	1232.67	1212.40	1190.63	1167.63	1143.32	1117.93	1091.51
240.0	1267.12	1248.99	1229.88	1209.43	1187.77	1164.49	1140.12	1114.53	1088.02
270.0	1252.21	1231.14	1208.38	1184.23	1158.89	1131.33	1102.93	1073.37	1043.62
300.0	1267.12	1248.99	1229.88	1209.43	1187.77	1164.49	1140.12	1114.53	1088.02
330.0	1269.43	1251.62	1232.67	1212.40	1190.63	1167.63	1143.32	1117.93	1091.51
360.0	1256.65	1236.18	1213.79	1189.98	1164.33	1137.39	1109.09	1079.93	1050.36

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1020.43	991.22	962.04	933.49	905.86	879.15	853.76	829.19	805.35
30.0	1063.72	1035.53	1006.18	976.11	945.52	914.65	883.92	853.04	822.94
60.0	1060.13	1031.66	1002.23	972.15	941.42	910.60	879.57	848.36	818.35
90.0	1013.47	983.67	954.31	925.75	897.77	871.17	845.10	819.87	796.16
120.0	1060.13	1031.66	1002.23	972.15	941.42	910.60	879.57	848.36	818.35
150.0	1063.72	1035.53	1006.18	976.11	945.52	914.65	883.92	853.04	822.94
180.0	1020.43	991.22	962.04	933.49	905.86	879.15	853.76	829.19	805.35
210.0	1063.72	1035.53	1006.18	976.11	945.52	914.65	883.92	853.04	822.94
240.0	1060.13	1031.66	1002.23	972.15	941.42	910.60	879.57	848.36	818.35
270.0	1013.47	983.67	954.31	925.75	897.77	871.17	845.10	819.87	796.16
300.0	1060.13	1031.66	1002.23	972.15	941.42	910.60	879.57	848.36	818.35
330.0	1063.72	1035.53	1006.18	976.11	945.52	914.65	883.92	853.04	822.94
360.0	1020.43	991.22	962.04	933.49	905.86	879.15	853.76	829.19	805.35

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	782.60	760.45	738.77	717.60	696.52	675.89	655.47	634.90	614.63
30.0	793.41	764.46	736.62	709.53	683.27	657.87	633.40	609.91	587.07
60.0	788.64	759.42	731.61	704.46	678.57	653.15	628.64	605.38	582.68
90.0	773.06	750.29	728.65	707.32	686.96	666.28	645.77	625.60	605.73
120.0	788.64	759.42	731.61	704.46	678.57	653.15	628.64	605.38	582.68
150.0	793.41	764.46	736.62	709.53	683.27	657.87	633.40	609.91	587.07
180.0	782.60	760.45	738.77	717.60	696.52	675.89	655.47	634.90	614.63
210.0	793.41	764.46	736.62	709.53	683.27	657.87	633.40	609.91	587.07
240.0	788.64	759.42	731.61	704.46	678.57	653.15	628.64	605.38	582.68
270.0	773.06	750.29	728.65	707.32	686.96	666.28	645.77	625.60	605.73
300.0	788.64	759.42	731.61	704.46	678.57	653.15	628.64	605.38	582.68
330.0	793.41	764.46	736.62	709.53	683.27	657.87	633.40	609.91	587.07
360.0	782.60	760.45	738.77	717.60	696.52	675.89	655.47	634.90	614.63

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	594.42	574.63	554.83	535.15	515.82	496.70	477.87	459.75	442.47
30.0	565.03	543.48	522.30	501.96	482.46	463.81	445.93	428.92	412.67
60.0	560.85	539.40	518.36	498.26	478.85	460.28	442.48	425.67	409.62
90.0	585.88	566.32	546.75	527.47	508.37	489.42	470.70	453.05	436.22
120.0	560.85	539.40	518.36	498.26	478.85	460.28	442.48	425.67	409.62
150.0	565.03	543.48	522.30	501.96	482.46	463.81	445.93	428.92	412.67
180.0	594.42	574.63	554.83	535.15	515.82	496.70	477.87	459.75	442.47
210.0	565.03	543.48	522.30	501.96	482.46	463.81	445.93	428.92	412.67
240.0	560.85	539.40	518.36	498.26	478.85	460.28	442.48	425.67	409.62
270.0	585.88	566.32	546.75	527.47	508.37	489.42	470.70	453.05	436.22
300.0	560.85	539.40	518.36	498.26	478.85	460.28	442.48	425.67	409.62
330.0	565.03	543.48	522.30	501.96	482.46	463.81	445.93	428.92	412.67
360.0	594.42	574.63	554.83	535.15	515.82	496.70	477.87	459.75	442.47

Intensity data(cd)

Appendix Page: 19 Total:21

C/γ(°)	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0
0.0	426.10	410.67	395.98	381.93	368.68	356.18	344.20	333.20	323.09
30.0	397.42	382.97	369.26	356.19	343.85	332.13	320.74	310.01	299.85
60.0	394.42	379.93	366.32	353.25	340.94	329.38	318.18	307.55	297.46
90.0	419.93	404.44	390.01	375.94	362.73	350.62	338.97	328.19	318.17
120.0	394.42	379.93	366.32	353.25	340.94	329.38	318.18	307.55	297.46
150.0	397.42	382.97	369.26	356.19	343.85	332.13	320.74	310.01	299.85
180.0	426.10	410.67	395.98	381.93	368.68	356.18	344.20	333.20	323.09
210.0	397.42	382.97	369.26	356.19	343.85	332.13	320.74	310.01	299.85
240.0	394.42	379.93	366.32	353.25	340.94	329.38	318.18	307.55	297.46
270.0	419.93	404.44	390.01	375.94	362.73	350.62	338.97	328.19	318.17
300.0	394.42	379.93	366.32	353.25	340.94	329.38	318.18	307.55	297.46
330.0	397.42	382.97	369.26	356.19	343.85	332.13	320.74	310.01	299.85
360.0	426.10	410.67	395.98	381.93	368.68	356.18	344.20	333.20	323.09

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	314.14	306.05	298.81	292.39	286.52	281.22	276.49	272.20	268.32
30.0	290.44	281.58	273.30	265.49	258.07	251.06	244.58	238.50	232.77
60.0	288.06	279.20	270.96	263.15	255.77	248.79	242.32	236.26	230.58
90.0	309.28	301.19	293.99	287.56	281.81	276.56	271.83	267.57	263.79
120.0	288.06	279.20	270.96	263.15	255.77	248.79	242.32	236.26	230.58
150.0	290.44	281.58	273.30	265.49	258.07	251.06	244.58	238.50	232.77
180.0	314.14	306.05	298.81	292.39	286.52	281.22	276.49	272.20	268.32
210.0	290.44	281.58	273.30	265.49	258.07	251.06	244.58	238.50	232.77
240.0	288.06	279.20	270.96	263.15	255.77	248.79	242.32	236.26	230.58
270.0	309.28	301.19	293.99	287.56	281.81	276.56	271.83	267.57	263.79
300.0	288.06	279.20	270.96	263.15	255.77	248.79	242.32	236.26	230.58
330.0	290.44	281.58	273.30	265.49	258.07	251.06	244.58	238.50	232.77
360.0	314.14	306.05	298.81	292.39	286.52	281.22	276.49	272.20	268.32

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	264.90	261.66	258.66	255.78	253.22	250.78	248.49	246.11	243.60
30.0	227.47	222.51	217.97	213.79	210.14	206.84	203.88	201.07	198.36
60.0	225.26	220.28	215.69	211.72	208.20	205.04	202.16	199.44	196.81
90.0	260.35	257.08	253.95	251.47	249.17	247.01	244.91	242.73	240.35
120.0	225.26	220.28	215.69	211.72	208.20	205.04	202.16	199.44	196.81
150.0	227.47	222.51	217.97	213.79	210.14	206.84	203.88	201.07	198.36
180.0	264.90	261.66	258.66	255.78	253.22	250.78	248.49	246.11	243.60
210.0	227.47	222.51	217.97	213.79	210.14	206.84	203.88	201.07	198.36
240.0	225.26	220.28	215.69	211.72	208.20	205.04	202.16	199.44	196.81
270.0	260.35	257.08	253.95	251.47	249.17	247.01	244.91	242.73	240.35
300.0	225.26	220.28	215.69	211.72	208.20	205.04	202.16	199.44	196.81
330.0	227.47	222.51	217.97	213.79	210.14	206.84	203.88	201.07	198.36
360.0	264.90	261.66	258.66	255.78	253.22	250.78	248.49	246.11	243.60

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	240.78	237.58	233.96	229.82	225.05	219.63	213.67	207.19	200.36
30.0	195.64	192.88	190.03	187.03	183.81	180.37	176.76	172.93	168.97
60.0	194.17	191.49	188.66	185.70	182.52	179.13	175.59	171.86	167.95
90.0	237.71	234.67	231.13	227.06	222.37	217.04	211.23	204.95	198.21
120.0	194.17	191.49	188.66	185.70	182.52	179.13	175.59	171.86	167.95
150.0	195.64	192.88	190.03	187.03	183.81	180.37	176.76	172.93	168.97
180.0	240.78	237.58	233.96	229.82	225.05	219.63	213.67	207.19	200.36
210.0	195.64	192.88	190.03	187.03	183.81	180.37	176.76	172.93	168.97
240.0	194.17	191.49	188.66	185.70	182.52	179.13	175.59	171.86	167.95
270.0	237.71	234.67	231.13	227.06	222.37	217.04	211.23	204.95	198.21
300.0	194.17	191.49	188.66	185.70	182.52	179.13	175.59	171.86	167.95
330.0	195.64	192.88	190.03	187.03	183.81	180.37	176.76	172.93	168.97
360.0	240.78	237.58	233.96	229.82	225.05	219.63	213.67	207.19	200.36

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	193.38	186.39	179.44	172.83	166.55	160.59	155.05	150.01	145.32
30.0	164.94	160.90	156.83	152.85	148.96	145.09	141.29	137.62	133.98
60.0	164.01	160.03	156.05	152.14	148.31	144.56	140.85	137.28	133.74
90.0	191.42	184.57	177.81	171.34	165.18	159.46	154.13	149.28	144.82
120.0	164.01	160.03	156.05	152.14	148.31	144.56	140.85	137.28	133.74
150.0	164.94	160.90	156.83	152.85	148.96	145.09	141.29	137.62	133.98
180.0	193.38	186.39	179.44	172.83	166.55	160.59	155.05	150.01	145.32
210.0	164.94	160.90	156.83	152.85	148.96	145.09	141.29	137.62	133.98
240.0	164.01	160.03	156.05	152.14	148.31	144.56	140.85	137.28	133.74
270.0	191.42	184.57	177.81	171.34	165.18	159.46	154.13	149.28	144.82
300.0	164.01	160.03	156.05	152.14	148.31	144.56	140.85	137.28	133.74
330.0	164.94	160.90	156.83	152.85	148.96	145.09	141.29	137.62	133.98
360.0	193.38	186.39	179.44	172.83	166.55	160.59	155.05	150.01	145.32
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	140.90	136.72	132.67	128.71	124.77	120.81	116.80	112.70	108.58
30.0	130.34	126.67	122.95	119.18	115.32	111.39	107.35	103.18	98.98
60.0	130.19	126.62	122.99	119.32	115.54	111.67	107.67	103.55	99.40
90.0	140.57	136.60	132.75	128.98	125.20	121.38	117.42	113.44	109.41
120.0	130.19	126.62	122.99	119.32	115.54	111.67	107.67	103.55	99.40
150.0	130.34	126.67	122.95	119.18	115.32	111.39	107.35	103.18	98.98
180.0	140.90	136.72	132.67	128.71	124.77	120.81	116.80	112.70	108.58
210.0	130.34	126.67	122.95	119.18	115.32	111.39	107.35	103.18	98.98
240.0	130.19	126.62	122.99	119.32	115.54	111.67	107.67	103.55	99.40
270.0	140.57	136.60	132.75	128.98	125.20	121.38	117.42	113.44	109.41
300.0	130.19	126.62	122.99	119.32	115.54	111.67	107.67	103.55	99.40
330.0	130.34	126.67	122.95	119.18	115.32	111.39	107.35	103.18	98.98
360.0	140.90	136.72	132.67	128.71	124.77	120.81	116.80	112.70	108.58
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	104.46	100.36	96.18	91.78	86.91	81.43	75.36	68.79	61.76
30.0	94.72	90.43	86.09	81.62	76.88	71.81	66.42	60.77	54.87
60.0	95.20	90.94	86.59	82.09	77.34	72.26	66.90	61.23	55.34
90.0	105.42	101.37	97.20	92.74	87.87	82.36	76.35	69.72	62.69
120.0	95.20	90.94	86.59	82.09	77.34	72.26	66.90	61.23	55.34
150.0	94.72	90.43	86.09	81.62	76.88	71.81	66.42	60.77	54.87
180.0	104.46	100.36	96.18	91.78	86.91	81.43	75.36	68.79	61.76
210.0	94.72	90.43	86.09	81.62	76.88	71.81	66.42	60.77	54.87
240.0	95.20	90.94	86.59	82.09	77.34	72.26	66.90	61.23	55.34
270.0	105.42	101.37	97.20	92.74	87.87	82.36	76.35	69.72	62.69
300.0	95.20	90.94	86.59	82.09	77.34	72.26	66.90	61.23	55.34
330.0	94.72	90.43	86.09	81.62	76.88	71.81	66.42	60.77	54.87
360.0	104.46	100.36	96.18	91.78	86.91	81.43	75.36	68.79	61.76
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	54.50	47.19	39.93	32.93	26.19	19.97	14.38	9.47	5.46
30.0	48.81	42.70	36.53	30.46	24.48	18.77	13.51	8.83	5.06
60.0	49.28	43.19	36.99	30.87	24.91	19.17	13.88	9.16	5.36
90.0	55.44	48.18	40.85	33.75	27.02	20.73	15.08	10.06	5.99
120.0	49.28	43.19	36.99	30.87	24.91	19.17	13.88	9.16	5.36
150.0	48.81	42.70	36.53	30.46	24.48	18.77	13.51	8.83	5.06
180.0	54.50	47.19	39.93	32.93	26.19	19.97	14.38	9.47	5.46
210.0	48.81	42.70	36.53	30.46	24.48	18.77	13.51	8.83	5.06
240.0	49.28	43.19	36.99	30.87	24.91	19.17	13.88	9.16	5.36
270.0	55.44	48.18	40.85	33.75	27.02	20.73	15.08	10.06	5.99
300.0	49.28	43.19	36.99	30.87	24.91	19.17	13.88	9.16	5.36
330.0	48.81	42.70	36.53	30.46	24.48	18.77	13.51	8.83	5.06
360.0	54.50	47.19	39.93	32.93	26.19	19.97	14.38	9.47	5.46

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	1.00
30.0	0.89
60.0	1.21
90.0	3.25
120.0	1.21
150.0	0.89
180.0	1.00
210.0	0.89
240.0	1.21
270.0	3.25
300.0	1.21
330.0	0.89
360.0	1.00