

Report No	:	Voltage	:	V
Test No	:	Current	:	A
LumCAT	:	Power	:	29.000 W
Luminaire	:		:	
LampCAT	:	Ballast type	:	
Lamp flux	:	Width	:	555 mm
Number of Lamps	:	Length	:	555 mm
Phm Type	:	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3480.00	Central intensity(cd)	:	1656.679
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1657.239
Luminous Efficacy(lm/W)	:	120.00	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	1656.679	0.000	0	0.00%	0.00%
0.5	1656.434	0.396	0.396	0.01%	0.01%
1.0	1656.269	1.189	1.585	0.03%	0.05%
1.5	1655.911	1.981	3.566	0.06%	0.10%
2.0	1655.428	2.772	6.338	0.08%	0.18%
2.5	1654.889	3.563	9.901	0.10%	0.28%
3.0	1654.098	4.352	14.254	0.13%	0.41%
3.5	1653.211	5.140	19.394	0.15%	0.56%
4.0	1652.249	5.927	25.321	0.17%	0.73%
4.5	1651.105	6.711	32.033	0.19%	0.92%
5.0	1649.844	7.494	39.527	0.22%	1.14%
5.5	1648.430	8.274	47.8	0.24%	1.37%
6.0	1646.848	9.051	56.852	0.26%	1.63%
6.5	1645.270	9.826	66.677	0.28%	1.92%
7.0	1643.561	10.598	77.275	0.30%	2.22%
7.5	1641.587	11.366	88.641	0.33%	2.55%
8.0	1639.680	12.131	100.772	0.35%	2.90%
8.5	1637.555	12.892	113.664	0.37%	3.27%
9.0	1635.199	13.649	127.313	0.39%	3.66%
9.5	1632.846	14.402	141.715	0.41%	4.07%
10.0	1630.305	15.150	156.865	0.44%	4.51%
10.5	1627.632	15.894	172.759	0.46%	4.96%
11.0	1624.818	16.632	189.391	0.48%	5.44%
11.5	1621.882	17.365	206.756	0.50%	5.94%
12.0	1618.906	18.093	224.849	0.52%	6.46%
12.5	1615.910	18.817	243.666	0.54%	7.00%
13.0	1612.794	19.535	263.201	0.56%	7.56%
13.5	1609.378	20.247	283.448	0.58%	8.15%
14.0	1605.917	20.952	304.4	0.60%	8.75%
14.5	1602.214	21.650	326.049	0.62%	9.37%
15.0	1598.270	22.339	348.389	0.64%	10.01%
15.5	1594.366	23.022	371.411	0.66%	10.67%
16.0	1590.282	23.699	395.111	0.68%	11.35%
16.5	1586.001	24.367	419.478	0.70%	12.05%
17.0	1581.612	25.027	444.505	0.72%	12.77%
17.5	1577.173	25.680	470.186	0.74%	13.51%
18.0	1572.537	26.325	496.511	0.76%	14.27%
18.5	1567.878	26.962	523.473	0.77%	15.04%

Equipment: GMS1800
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 55%

Operator: CWR

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	1563.061	27.591	551.064	0.79%	15.84%
19.5	1557.935	28.210	579.274	0.81%	16.65%
20.0	1552.769	28.818	608.092	0.83%	17.47%
20.5	1547.367	29.417	637.509	0.85%	18.32%
21.0	1541.902	30.006	667.515	0.86%	19.18%
21.5	1536.218	30.585	698.101	0.88%	20.06%
22.0	1530.299	31.153	729.253	0.90%	20.96%
22.5	1524.337	31.710	760.963	0.91%	21.87%
23.0	1518.415	32.259	793.222	0.93%	22.79%
23.5	1512.176	32.797	826.019	0.94%	23.74%
24.0	1505.592	33.321	859.34	0.96%	24.69%
24.5	1498.889	33.831	893.171	0.97%	25.67%
25.0	1492.080	34.330	927.5	0.99%	26.65%
25.5	1484.740	34.813	962.313	1.00%	27.65%
26.0	1477.568	35.283	997.595	1.01%	28.67%
26.5	1470.130	35.742	1033.338	1.03%	29.69%
27.0	1462.281	36.185	1069.523	1.04%	30.73%
27.5	1454.317	36.612	1106.134	1.05%	31.79%
28.0	1446.038	37.023	1143.158	1.06%	32.85%
28.5	1437.455	37.417	1180.575	1.08%	33.92%
29.0	1428.847	37.797	1218.371	1.09%	35.01%
29.5	1419.859	38.161	1256.532	1.10%	36.11%
30.0	1410.413	38.503	1295.035	1.11%	37.21%
30.5	1400.688	38.825	1333.86	1.12%	38.33%
31.0	1390.776	39.129	1372.989	1.12%	39.45%
31.5	1380.198	39.410	1412.399	1.13%	40.59%
32.0	1369.136	39.663	1452.062	1.14%	41.73%
32.5	1357.741	39.892	1491.954	1.15%	42.87%
33.0	1345.671	40.095	1532.048	1.15%	44.02%
33.5	1333.178	40.268	1572.316	1.16%	45.18%
34.0	1319.840	40.409	1612.725	1.16%	46.34%
34.5	1305.394	40.506	1653.231	1.16%	47.51%
35.0	1290.141	40.560	1693.791	1.17%	48.67%
35.5	1273.764	40.568	1734.359	1.17%	49.84%
36.0	1256.435	40.527	1774.886	1.16%	51.00%
36.5	1237.643	40.432	1815.318	1.16%	52.16%
37.0	1217.547	40.273	1855.591	1.16%	53.32%
37.5	1196.102	40.053	1895.644	1.15%	54.47%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

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	1173.261	39.768	1935.412	1.14%	55.62%
38.5	1148.890	39.413	1974.825	1.13%	56.75%
39.0	1123.360	38.992	2013.817	1.12%	57.87%
39.5	1096.734	38.510	2052.327	1.11%	58.97%
40.0	1069.358	37.973	2090.299	1.09%	60.07%
40.5	1040.948	37.382	2127.681	1.07%	61.14%
41.0	1012.392	36.746	2164.427	1.06%	62.20%
41.5	983.214	36.073	2200.5	1.04%	63.23%
42.0	953.813	35.361	2235.861	1.02%	64.25%
42.5	924.272	34.619	2270.481	0.99%	65.24%
43.0	894.994	33.856	2304.337	0.97%	66.22%
43.5	865.993	33.079	2337.416	0.95%	67.17%
44.0	837.165	32.289	2369.705	0.93%	68.09%
44.5	809.361	31.498	2401.203	0.91%	69.00%
45.0	782.130	30.717	2431.92	0.88%	69.88%
45.5	755.407	29.936	2461.856	0.86%	70.74%
46.0	729.785	29.166	2491.022	0.84%	71.58%
46.5	704.765	28.410	2519.432	0.82%	72.40%
47.0	680.615	27.664	2547.096	0.79%	73.19%
47.5	656.926	26.927	2574.023	0.77%	73.97%
48.0	633.912	26.196	2600.219	0.75%	74.72%
48.5	611.663	25.476	2625.695	0.73%	75.45%
49.0	589.919	24.767	2650.462	0.71%	76.16%
49.5	568.741	24.064	2674.526	0.69%	76.85%
50.0	547.969	23.366	2697.893	0.67%	77.53%
50.5	527.455	22.668	2720.561	0.65%	78.18%
51.0	507.595	21.974	2742.535	0.63%	78.81%
51.5	488.327	21.294	2763.829	0.61%	79.42%
52.0	469.682	20.626	2784.455	0.59%	80.01%
52.5	451.634	19.972	2804.426	0.57%	80.59%
53.0	434.501	19.338	2823.764	0.56%	81.14%
53.5	418.144	18.730	2842.494	0.54%	81.68%
54.0	402.635	18.147	2860.641	0.52%	82.20%
54.5	387.922	17.590	2878.23	0.51%	82.71%
55.0	374.042	17.059	2895.29	0.49%	83.20%
55.5	360.717	16.551	2911.841	0.48%	83.67%
56.0	348.165	16.064	2927.905	0.46%	84.14%
56.5	336.370	15.604	2943.509	0.45%	84.58%

Equipment: GMS1800
Temperature($^{\circ}$ C): 25

Date:
Humidity(%): 55%

Operator: CWR

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	324.968	15.163	2958.672	0.44%	85.02%
57.5	314.277	14.739	2973.411	0.42%	85.44%
58.0	304.232	14.341	2987.752	0.41%	85.85%
58.5	295.043	13.971	3001.723	0.40%	86.26%
59.0	286.489	13.630	3015.352	0.39%	86.65%
59.5	278.620	13.315	3028.667	0.38%	87.03%
60.0	271.312	13.024	3041.691	0.37%	87.40%
60.5	264.480	12.753	3054.444	0.37%	87.77%
61.0	258.097	12.500	3066.944	0.36%	88.13%
61.5	252.238	12.266	3079.21	0.35%	88.48%
62.0	246.798	12.052	3091.262	0.35%	88.83%
62.5	241.743	11.853	3103.115	0.34%	89.17%
63.0	237.088	11.670	3114.785	0.34%	89.51%
63.5	232.717	11.501	3126.287	0.33%	89.84%
64.0	228.672	11.345	3137.632	0.33%	90.16%
64.5	225.082	11.205	3148.836	0.32%	90.48%
65.0	221.901	11.083	3159.92	0.32%	90.80%
65.5	219.000	10.977	3170.897	0.32%	91.12%
66.0	216.335	10.882	3181.779	0.31%	91.43%
66.5	213.748	10.792	3192.571	0.31%	91.74%
67.0	211.166	10.703	3203.274	0.31%	92.05%
67.5	208.487	10.610	3213.884	0.30%	92.35%
68.0	205.649	10.508	3224.392	0.30%	92.65%
68.5	202.581	10.395	3234.787	0.30%	92.95%
69.0	199.243	10.267	3245.055	0.30%	93.25%
69.5	195.557	10.122	3255.176	0.29%	93.54%
70.0	191.512	9.956	3265.132	0.29%	93.83%
70.5	187.189	9.772	3274.904	0.28%	94.11%
71.0	182.570	9.570	3284.474	0.28%	94.38%
71.5	177.712	9.353	3293.827	0.27%	94.65%
72.0	172.790	9.126	3302.953	0.26%	94.91%
72.5	167.839	8.894	3311.847	0.26%	95.17%
73.0	162.897	8.659	3320.506	0.25%	95.42%
73.5	158.118	8.427	3328.934	0.24%	95.66%
74.0	153.496	8.202	3337.135	0.24%	95.89%
74.5	149.034	7.983	3345.118	0.23%	96.12%
75.0	144.742	7.770	3352.888	0.22%	96.35%
75.5	140.706	7.568	3360.456	0.22%	96.56%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 25

Date:
Humidity(%): 55%

Operator: CWR

Zonal flux distribution table

Appendix Page: 6 Total:21

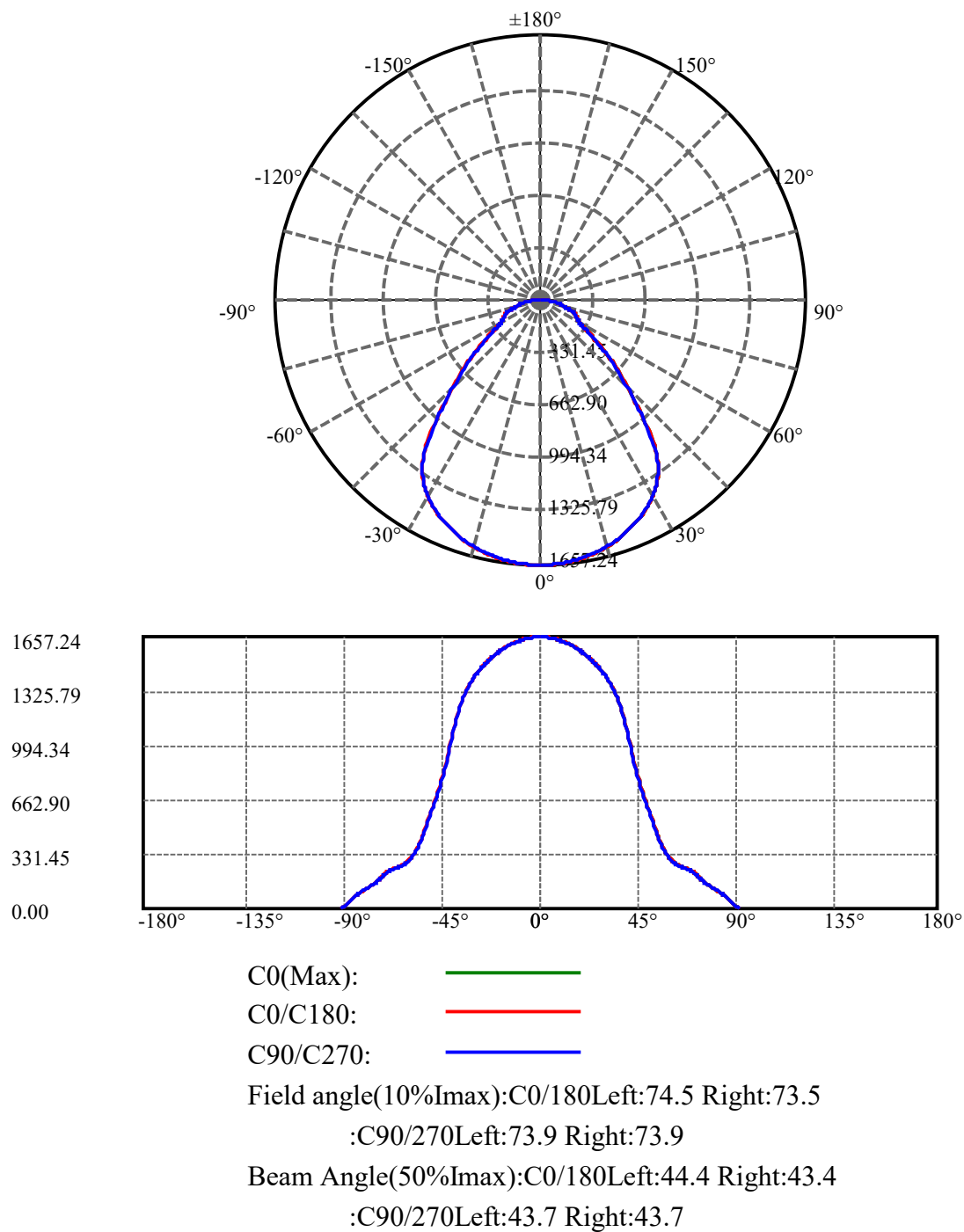
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	136.807	7.374	3367.83	0.21%	96.78%
76.5	132.988	7.185	3375.015	0.21%	96.98%
77.0	129.238	6.998	3382.013	0.20%	97.18%
77.5	125.494	6.811	3388.824	0.20%	97.38%
78.0	121.751	6.624	3395.448	0.19%	97.57%
78.5	117.938	6.433	3401.881	0.18%	97.76%
79.0	114.062	6.238	3408.12	0.18%	97.93%
79.5	110.078	6.037	3414.157	0.17%	98.11%
80.0	105.991	5.829	3419.986	0.17%	98.28%
80.5	101.873	5.616	3425.602	0.16%	98.44%
81.0	97.726	5.401	3431.003	0.16%	98.59%
81.5	93.540	5.183	3436.186	0.15%	98.74%
82.0	89.277	4.960	3441.146	0.14%	98.88%
82.5	84.840	4.730	3445.876	0.14%	99.02%
83.0	80.075	4.485	3450.361	0.13%	99.15%
83.5	74.888	4.219	3454.58	0.12%	99.27%
84.0	69.327	3.930	3458.51	0.11%	99.38%
84.5	63.386	3.620	3462.13	0.10%	99.49%
85.0	57.151	3.291	3465.421	0.09%	99.58%
85.5	50.729	2.947	3468.368	0.08%	99.67%
86.0	44.272	2.597	3470.966	0.07%	99.74%
86.5	37.751	2.244	3473.209	0.06%	99.80%
87.0	31.376	1.892	3475.102	0.05%	99.86%
87.5	25.186	1.549	3476.65	0.04%	99.90%
88.0	19.320	1.219	3477.87	0.04%	99.94%
88.5	13.958	0.912	3478.782	0.03%	99.96%
89.0	9.199	0.635	3479.416	0.02%	99.98%
89.5	5.348	0.399	3479.815	0.01%	99.99%
90.0	1.400	0.185	3480	0.01%	100.00%

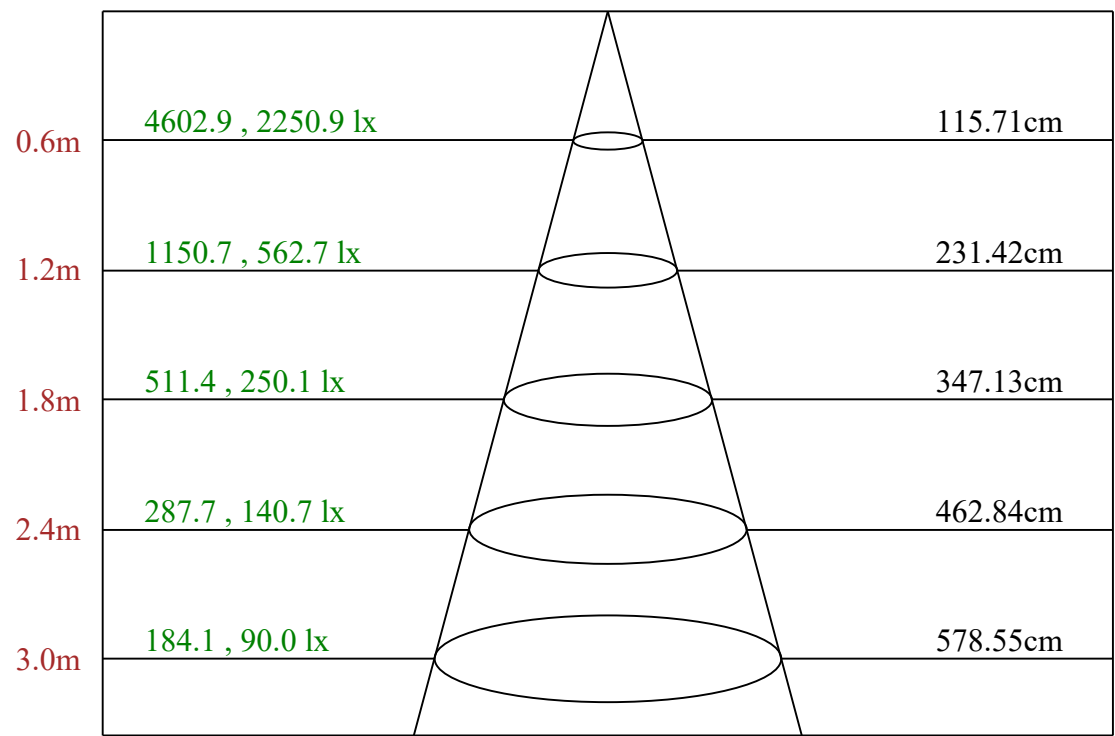
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1295.03	37.21%	37.21%
0-40	2090.30	60.07%	60.07%
0-60	3041.69	87.40%	87.40%
0-90	3479.82	99.99%	99.99%
0-120	3479.82	99.99%	99.99%
0-180	3480.00	100.00%	100.00%
60-90	438.12	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	2784.00	80.00%	80.00%

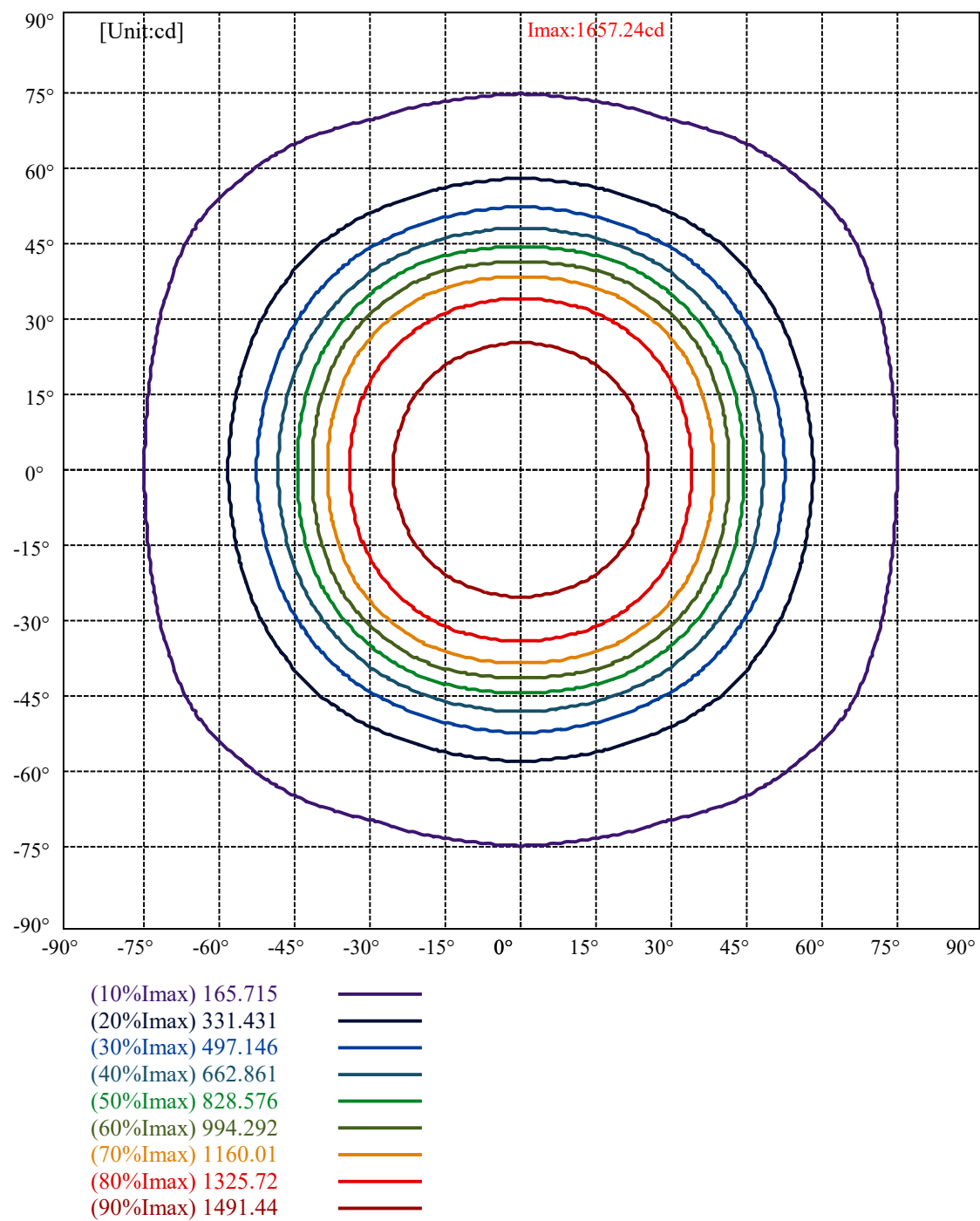
ZONAL LUMEN SUMMARY

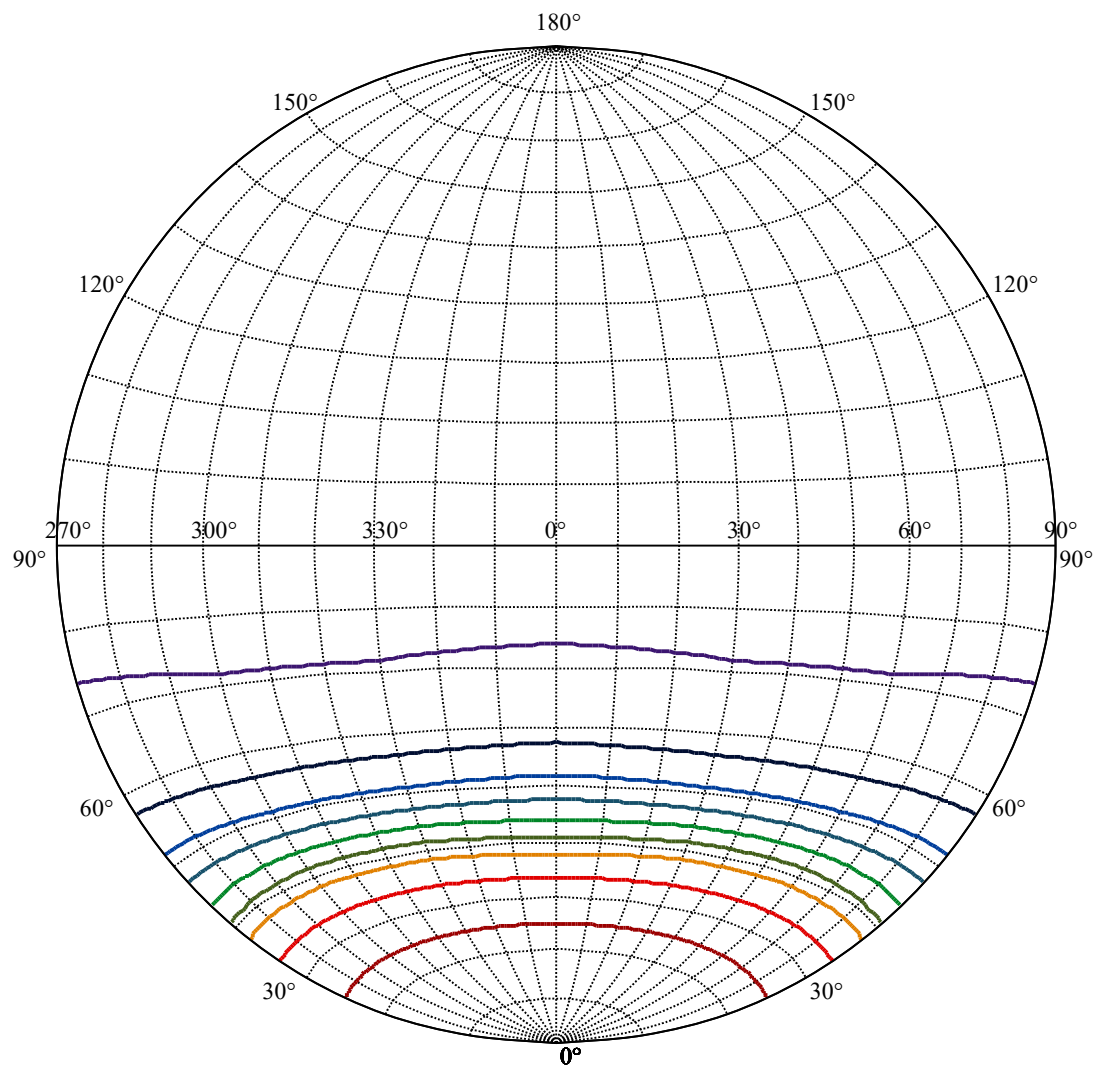
0-10	156.87
10-20	451.23
20-30	686.94
30-40	795.26
40-50	607.59
50-60	343.80
60-70	223.44
70-80	154.85
80-90	59.83
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C0 plane 87.91



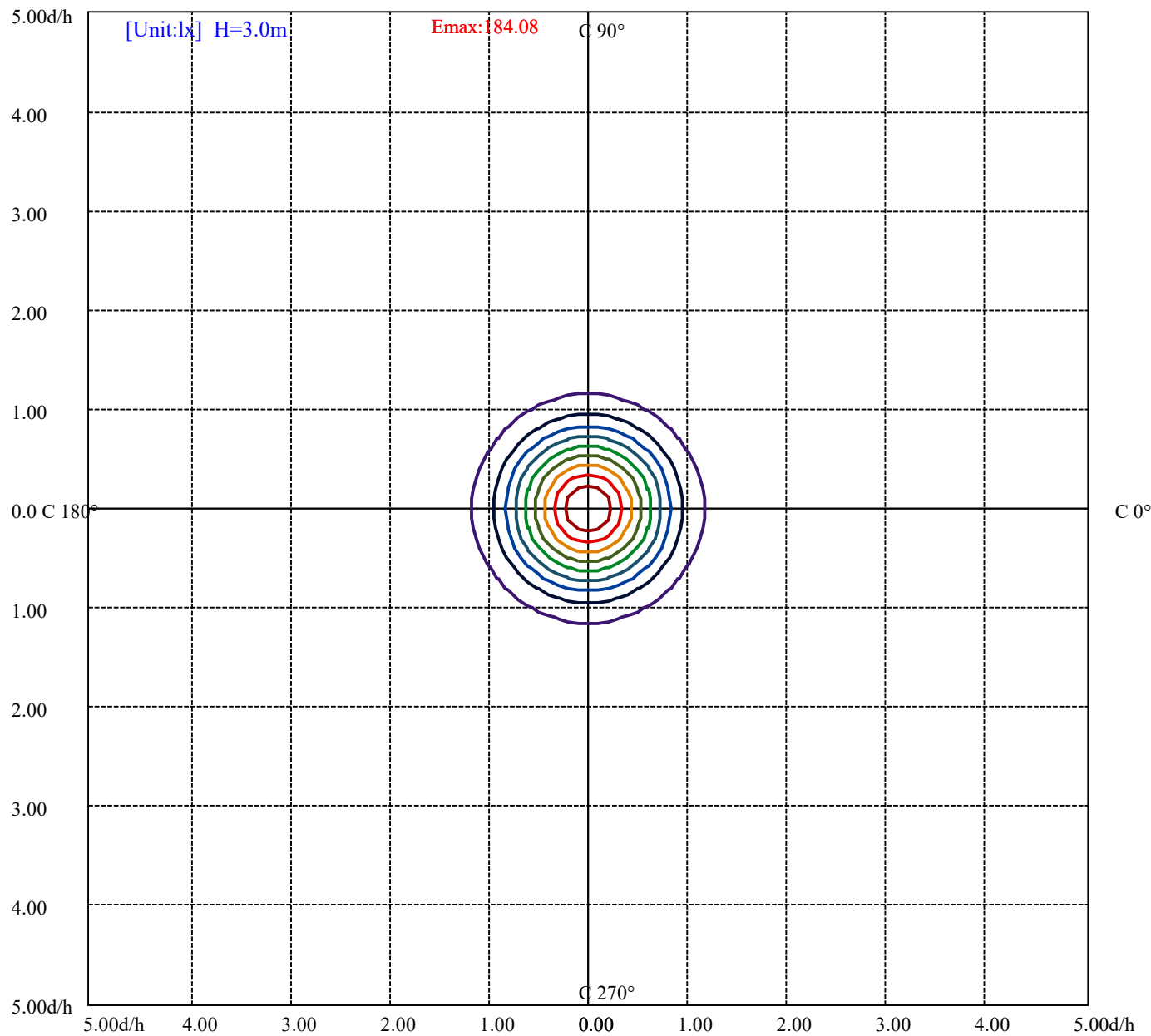


House

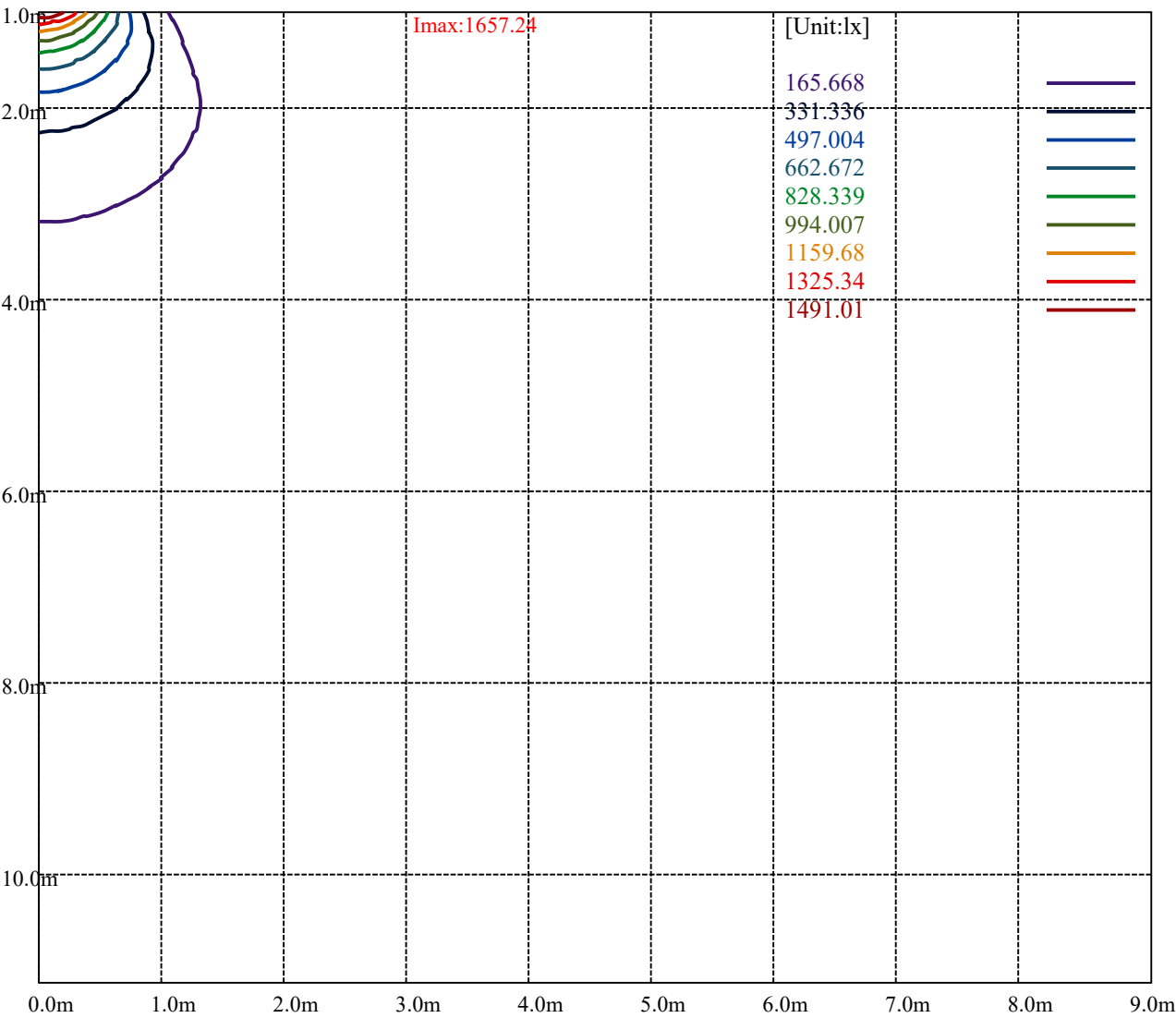
[Unit:cd]

Road

I _{max} :1657.24	
(10%I _{max})	165.715
(20%I _{max})	331.431
(30%I _{max})	497.146
(40%I _{max})	662.861
(50%I _{max})	828.576
(60%I _{max})	994.292
(70%I _{max})	1160.01
(80%I _{max})	1325.72
(90%I _{max})	1491.44



(10%E _{max}) 18.40755	—
(20%E _{max}) 36.81511	—
(30%E _{max}) 55.22267	—
(40%E _{max}) 73.63022	—
(50%E _{max}) 92.03767	—
(60%E _{max}) 110.4452	—
(70%E _{max}) 128.8533	—
(80%E _{max}) 147.26	—
(90%E _{max}) 165.6678	—



Luminance Limiting Curve(no luminous side)

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Luminance Table

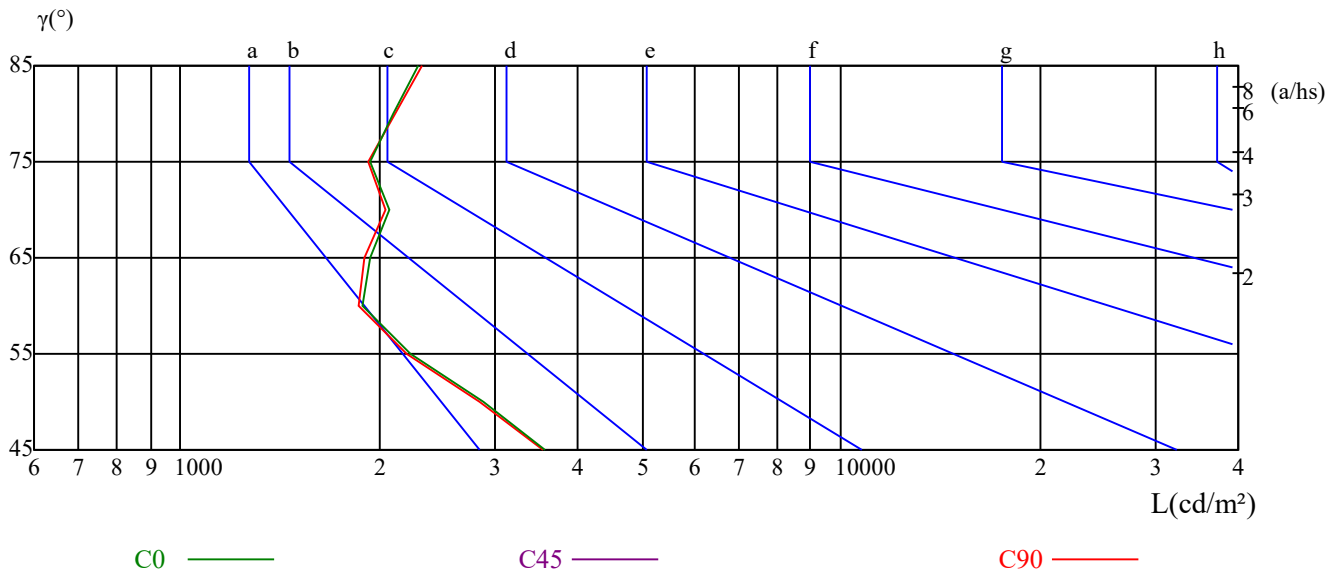
γ	45	50	55	60	65	70	75	80	85
C0	3573	2886	2228	1888	1934	2073	1934	2095	2288
C45	0	0	0	0	0	0	0	0	0
C90	3529	2844	2195	1856	1903	2048	1922	2109	2322

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1934	1903	0	1934	1922	0	2288	2322	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	14.70	16.14	15.06	16.46	16.77	14.64	16.09	15.00	16.40	16.71
	3H	15.91	17.21	16.29	17.54	17.89	15.85	17.14	16.23	17.48	17.82
	4H	16.50	17.71	16.90	18.07	18.43	16.44	17.65	16.83	18.01	18.37
	6H	17.09	18.22	17.50	18.59	18.98	17.05	18.17	17.45	18.54	18.93
	8H	17.35	18.43	17.76	18.81	19.21	17.31	18.40	17.73	18.77	19.18
	12H	17.56	18.60	17.98	18.99	19.40	17.54	18.57	17.95	18.96	19.37
4H	2H	14.98	16.19	15.37	16.54	16.90	14.93	16.14	15.32	16.49	16.86
	3H	16.40	17.43	16.82	17.82	18.23	16.35	17.37	16.77	17.76	18.17
	4H	17.21	18.11	17.64	18.53	18.97	17.15	18.06	17.59	18.48	18.92
	6H	17.94	18.75	18.41	19.19	19.64	17.91	18.71	18.37	19.16	19.60
	8H	18.32	19.07	18.79	19.52	19.98	18.29	19.05	18.77	19.49	19.96
	12H	18.64	19.34	19.12	19.78	20.29	18.62	19.32	19.10	19.76	20.27
8H	4H	17.44	18.20	17.92	18.64	19.11	17.40	18.15	17.87	18.60	19.06
	6H	18.35	18.98	18.84	19.45	19.95	18.32	18.95	18.81	19.42	19.92
	8H	18.88	19.44	19.40	19.95	20.44	18.87	19.42	19.38	19.93	20.42
	12H	19.31	19.78	19.84	20.29	20.80	19.31	19.77	19.83	20.28	20.79
12H	4H	17.48	18.18	17.96	18.62	19.13	17.44	18.14	17.92	18.58	19.09
	6H	18.48	19.04	19.00	19.55	20.04	18.46	19.01	18.97	19.52	20.01
	8H	19.03	19.49	19.56	20.00	20.51	19.01	19.48	19.54	19.99	20.50
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

Intensity data(cd)

Appendix Page: 16 Total:21

C/γ(°)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.0	1656.68	1657.24	1657.15	1656.79	1656.24	1655.76	1655.07	1654.09	1653.05
30.0	1656.68	1656.87	1656.84	1656.51	1655.98	1655.51	1654.71	1653.81	1652.81
60.0	1656.68	1656.03	1655.82	1655.47	1655.02	1654.45	1653.61	1652.77	1651.85
90.0	1656.68	1655.56	1655.15	1654.72	1654.33	1653.65	1652.90	1652.00	1651.14
120.0	1656.68	1656.03	1655.82	1655.47	1655.02	1654.45	1653.61	1652.77	1651.85
150.0	1656.68	1656.87	1656.84	1656.51	1655.98	1655.51	1654.71	1653.81	1652.81
180.0	1656.68	1657.24	1657.15	1656.79	1656.24	1655.76	1655.07	1654.09	1653.05
210.0	1656.68	1656.87	1656.84	1656.51	1655.98	1655.51	1654.71	1653.81	1652.81
240.0	1656.68	1656.03	1655.82	1655.47	1655.02	1654.45	1653.61	1652.77	1651.85
270.0	1656.68	1655.56	1655.15	1654.72	1654.33	1653.65	1652.90	1652.00	1651.14
300.0	1656.68	1656.03	1655.82	1655.47	1655.02	1654.45	1653.61	1652.77	1651.85
330.0	1656.68	1656.87	1656.84	1656.51	1655.98	1655.51	1654.71	1653.81	1652.81
360.0	1656.68	1657.24	1657.15	1656.79	1656.24	1655.76	1655.07	1654.09	1653.05

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1652.02	1650.82	1649.29	1647.80	1646.21	1644.43	1642.43	1640.62	1638.52
30.0	1651.69	1650.47	1649.02	1647.49	1645.89	1644.14	1642.21	1640.33	1638.26
60.0	1650.64	1649.35	1648.00	1646.37	1644.79	1643.12	1641.17	1639.20	1637.08
90.0	1649.96	1648.59	1647.25	1645.56	1644.04	1642.42	1640.33	1638.40	1636.13
120.0	1650.64	1649.35	1648.00	1646.37	1644.79	1643.12	1641.17	1639.20	1637.08
150.0	1651.69	1650.47	1649.02	1647.49	1645.89	1644.14	1642.21	1640.33	1638.26
180.0	1652.02	1650.82	1649.29	1647.80	1646.21	1644.43	1642.43	1640.62	1638.52
210.0	1651.69	1650.47	1649.02	1647.49	1645.89	1644.14	1642.21	1640.33	1638.26
240.0	1650.64	1649.35	1648.00	1646.37	1644.79	1643.12	1641.17	1639.20	1637.08
270.0	1649.96	1648.59	1647.25	1645.56	1644.04	1642.42	1640.33	1638.40	1636.13
300.0	1650.64	1649.35	1648.00	1646.37	1644.79	1643.12	1641.17	1639.20	1637.08
330.0	1651.69	1650.47	1649.02	1647.49	1645.89	1644.14	1642.21	1640.33	1638.26
360.0	1652.02	1650.82	1649.29	1647.80	1646.21	1644.43	1642.43	1640.62	1638.52

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1636.10	1633.74	1631.20	1628.50	1625.69	1622.74	1619.84	1616.70	1613.68
30.0	1635.84	1633.57	1630.95	1628.30	1625.50	1622.55	1619.58	1616.55	1613.43
60.0	1634.74	1632.40	1629.85	1627.20	1624.38	1621.45	1618.43	1615.51	1612.35
90.0	1633.93	1631.38	1629.04	1626.31	1623.45	1620.54	1617.57	1614.64	1611.52
120.0	1634.74	1632.40	1629.85	1627.20	1624.38	1621.45	1618.43	1615.51	1612.35
150.0	1635.84	1633.57	1630.95	1628.30	1625.50	1622.55	1619.58	1616.55	1613.43
180.0	1636.10	1633.74	1631.20	1628.50	1625.69	1622.74	1619.84	1616.70	1613.68
210.0	1635.84	1633.57	1630.95	1628.30	1625.50	1622.55	1619.58	1616.55	1613.43
240.0	1634.74	1632.40	1629.85	1627.20	1624.38	1621.45	1618.43	1615.51	1612.35
270.0	1633.93	1631.38	1629.04	1626.31	1623.45	1620.54	1617.57	1614.64	1611.52
300.0	1634.74	1632.40	1629.85	1627.20	1624.38	1621.45	1618.43	1615.51	1612.35
330.0	1635.84	1633.57	1630.95	1628.30	1625.50	1622.55	1619.58	1616.55	1613.43
360.0	1636.10	1633.74	1631.20	1628.50	1625.69	1622.74	1619.84	1616.70	1613.68

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1610.28	1606.79	1603.07	1599.22	1595.10	1591.12	1586.91	1582.62	1578.17
30.0	1609.99	1606.58	1602.87	1598.98	1595.00	1590.95	1586.73	1582.35	1577.87
60.0	1608.92	1605.48	1601.78	1597.80	1594.00	1589.85	1585.55	1581.10	1576.67
90.0	1608.16	1604.60	1600.92	1596.85	1593.11	1588.97	1584.54	1580.16	1575.80
120.0	1608.92	1605.48	1601.78	1597.80	1594.00	1589.85	1585.55	1581.10	1576.67
150.0	1609.99	1606.58	1602.87	1598.98	1595.00	1590.95	1586.73	1582.35	1577.87
180.0	1610.28	1606.79	1603.07	1599.22	1595.10	1591.12	1586.91	1582.62	1578.17
210.0	1609.99	1606.58	1602.87	1598.98	1595.00	1590.95	1586.73	1582.35	1577.87
240.0	1608.92	1605.48	1601.78	1597.80	1594.00	1589.85	1585.55	1581.10	1576.67
270.0	1608.16	1604.60	1600.92	1596.85	1593.11	1588.97	1584.54	1580.16	1575.80
300.0	1608.92	1605.48	1601.78	1597.80	1594.00	1589.85	1585.55	1581.10	1576.67
330.0	1609.99	1606.58	1602.87	1598.98	1595.00	1590.95	1586.73	1582.35	1577.87
360.0	1610.28	1606.79	1603.07	1599.22	1595.10	1591.12	1586.91	1582.62	1578.17

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	1573.48	1568.81	1563.90	1558.79	1553.62	1548.17	1542.67	1537.10	1531.11
30.0	1573.24	1568.51	1563.72	1558.62	1553.39	1547.99	1542.57	1536.89	1531.07
60.0	1572.07	1567.41	1562.64	1557.51	1552.34	1546.96	1541.52	1535.77	1529.89
90.0	1571.12	1566.64	1561.76	1556.56	1551.54	1546.13	1540.57	1534.89	1528.76
120.0	1572.07	1567.41	1562.64	1557.51	1552.34	1546.96	1541.52	1535.77	1529.89
150.0	1573.24	1568.51	1563.72	1558.62	1553.39	1547.99	1542.57	1536.89	1531.07
180.0	1573.48	1568.81	1563.90	1558.79	1553.62	1548.17	1542.67	1537.10	1531.11
210.0	1573.24	1568.51	1563.72	1558.62	1553.39	1547.99	1542.57	1536.89	1531.07
240.0	1572.07	1567.41	1562.64	1557.51	1552.34	1546.96	1541.52	1535.77	1529.89
270.0	1571.12	1566.64	1561.76	1556.56	1551.54	1546.13	1540.57	1534.89	1528.76
300.0	1572.07	1567.41	1562.64	1557.51	1552.34	1546.96	1541.52	1535.77	1529.89
330.0	1573.24	1568.51	1563.72	1558.62	1553.39	1547.99	1542.57	1536.89	1531.07
360.0	1573.48	1568.81	1563.90	1558.79	1553.62	1548.17	1542.67	1537.10	1531.11

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1525.04	1518.93	1512.57	1505.97	1499.25	1492.29	1484.88	1477.72	1470.13
30.0	1525.13	1519.14	1512.89	1506.39	1499.75	1492.91	1485.61	1478.48	1471.08
60.0	1523.99	1518.15	1511.97	1505.40	1498.71	1491.97	1484.67	1477.49	1470.13
90.0	1522.74	1516.97	1510.77	1504.00	1497.17	1490.45	1483.00	1475.75	1468.24
120.0	1523.99	1518.15	1511.97	1505.40	1498.71	1491.97	1484.67	1477.49	1470.13
150.0	1525.13	1519.14	1512.89	1506.39	1499.75	1492.91	1485.61	1478.48	1471.08
180.0	1525.04	1518.93	1512.57	1505.97	1499.25	1492.29	1484.88	1477.72	1470.13
210.0	1525.13	1519.14	1512.89	1506.39	1499.75	1492.91	1485.61	1478.48	1471.08
240.0	1523.99	1518.15	1511.97	1505.40	1498.71	1491.97	1484.67	1477.49	1470.13
270.0	1522.74	1516.97	1510.77	1504.00	1497.17	1490.45	1483.00	1475.75	1468.24
300.0	1523.99	1518.15	1511.97	1505.40	1498.71	1491.97	1484.67	1477.49	1470.13
330.0	1525.13	1519.14	1512.89	1506.39	1499.75	1492.91	1485.61	1478.48	1471.08
360.0	1525.04	1518.93	1512.57	1505.97	1499.25	1492.29	1484.88	1477.72	1470.13

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1462.15	1453.97	1445.71	1437.11	1428.32	1419.26	1409.88	1400.02	1389.96
30.0	1463.33	1455.29	1447.13	1438.65	1429.95	1421.04	1411.76	1402.10	1392.25
60.0	1462.34	1454.48	1446.20	1437.63	1429.10	1420.15	1410.67	1401.01	1391.17
90.0	1460.20	1452.41	1443.87	1435.06	1426.67	1417.52	1407.74	1397.88	1387.86
120.0	1462.34	1454.48	1446.20	1437.63	1429.10	1420.15	1410.67	1401.01	1391.17
150.0	1463.33	1455.29	1447.13	1438.65	1429.95	1421.04	1411.76	1402.10	1392.25
180.0	1462.15	1453.97	1445.71	1437.11	1428.32	1419.26	1409.88	1400.02	1389.96
210.0	1463.33	1455.29	1447.13	1438.65	1429.95	1421.04	1411.76	1402.10	1392.25
240.0	1462.34	1454.48	1446.20	1437.63	1429.10	1420.15	1410.67	1401.01	1391.17
270.0	1460.20	1452.41	1443.87	1435.06	1426.67	1417.52	1407.74	1397.88	1387.86
300.0	1462.34	1454.48	1446.20	1437.63	1429.10	1420.15	1410.67	1401.01	1391.17
330.0	1463.33	1455.29	1447.13	1438.65	1429.95	1421.04	1411.76	1402.10	1392.25
360.0	1462.15	1453.97	1445.71	1437.11	1428.32	1419.26	1409.88	1400.02	1389.96

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1379.20	1367.97	1356.34	1344.03	1330.99	1317.13	1302.02	1285.69	1268.21
30.0	1381.73	1370.84	1359.67	1347.86	1335.65	1322.76	1308.89	1294.20	1278.64
60.0	1380.68	1369.71	1358.43	1346.47	1334.25	1321.17	1307.06	1292.33	1276.51
90.0	1377.17	1365.75	1353.92	1341.34	1328.28	1314.04	1298.45	1282.10	1264.08
120.0	1380.68	1369.71	1358.43	1346.47	1334.25	1321.17	1307.06	1292.33	1276.51
150.0	1381.73	1370.84	1359.67	1347.86	1335.65	1322.76	1308.89	1294.20	1278.64
180.0	1379.20	1367.97	1356.34	1344.03	1330.99	1317.13	1302.02	1285.69	1268.21
210.0	1381.73	1370.84	1359.67	1347.86	1335.65	1322.76	1308.89	1294.20	1278.64
240.0	1380.68	1369.71	1358.43	1346.47	1334.25	1321.17	1307.06	1292.33	1276.51
270.0	1377.17	1365.75	1353.92	1341.34	1328.28	1314.04	1298.45	1282.10	1264.08
300.0	1380.68	1369.71	1358.43	1346.47	1334.25	1321.17	1307.06	1292.33	1276.51
330.0	1381.73	1370.84	1359.67	1347.86	1335.65	1322.76	1308.89	1294.20	1278.64
360.0	1379.20	1367.97	1356.34	1344.03	1330.99	1317.13	1302.02	1285.69	1268.21

C/γ(°)	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0
0.0	1249.46	1229.11	1206.85	1183.18	1157.68	1130.89	1102.75	1073.76	1044.36
30.0	1262.17	1244.47	1225.62	1205.47	1183.83	1160.96	1136.78	1111.54	1085.27
60.0	1259.87	1241.85	1222.86	1202.52	1180.98	1157.83	1133.61	1108.16	1081.80
90.0	1245.06	1224.11	1201.48	1177.46	1152.27	1124.87	1096.63	1067.23	1037.65
120.0	1259.87	1241.85	1222.86	1202.52	1180.98	1157.83	1133.61	1108.16	1081.80
150.0	1262.17	1244.47	1225.62	1205.47	1183.83	1160.96	1136.78	1111.54	1085.27
180.0	1249.46	1229.11	1206.85	1183.18	1157.68	1130.89	1102.75	1073.76	1044.36
210.0	1262.17	1244.47	1225.62	1205.47	1183.83	1160.96	1136.78	1111.54	1085.27
240.0	1259.87	1241.85	1222.86	1202.52	1180.98	1157.83	1133.61	1108.16	1081.80
270.0	1245.06	1224.11	1201.48	1177.46	1152.27	1124.87	1096.63	1067.23	1037.65
300.0	1259.87	1241.85	1222.86	1202.52	1180.98	1157.83	1133.61	1108.16	1081.80
330.0	1262.17	1244.47	1225.62	1205.47	1183.83	1160.96	1136.78	1111.54	1085.27
360.0	1249.46	1229.11	1206.85	1183.18	1157.68	1130.89	1102.75	1073.76	1044.36

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1014.60	985.56	956.54	928.15	900.68	874.12	848.88	824.46	800.74
30.0	1057.64	1029.61	1000.43	970.54	940.12	909.42	878.87	848.17	818.24
60.0	1054.07	1025.76	996.51	966.60	936.04	905.40	874.54	843.51	813.67
90.0	1007.68	978.04	948.86	920.46	892.64	866.19	840.27	815.18	791.61
120.0	1054.07	1025.76	996.51	966.60	936.04	905.40	874.54	843.51	813.67
150.0	1057.64	1029.61	1000.43	970.54	940.12	909.42	878.87	848.17	818.24
180.0	1014.60	985.56	956.54	928.15	900.68	874.12	848.88	824.46	800.74
210.0	1057.64	1029.61	1000.43	970.54	940.12	909.42	878.87	848.17	818.24
240.0	1054.07	1025.76	996.51	966.60	936.04	905.40	874.54	843.51	813.67
270.0	1007.68	978.04	948.86	920.46	892.64	866.19	840.27	815.18	791.61
300.0	1054.07	1025.76	996.51	966.60	936.04	905.40	874.54	843.51	813.67
330.0	1057.64	1029.61	1000.43	970.54	940.12	909.42	878.87	848.17	818.24
360.0	1014.60	985.56	956.54	928.15	900.68	874.12	848.88	824.46	800.74

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	778.13	756.11	734.55	713.50	692.54	672.02	651.73	631.27	611.11
30.0	788.87	760.09	732.41	705.47	679.37	654.11	629.78	606.42	583.71
60.0	784.13	755.08	727.43	700.43	674.69	649.42	625.05	601.92	579.35
90.0	768.64	746.00	724.48	703.28	683.03	662.47	642.08	622.03	602.27
120.0	784.13	755.08	727.43	700.43	674.69	649.42	625.05	601.92	579.35
150.0	788.87	760.09	732.41	705.47	679.37	654.11	629.78	606.42	583.71
180.0	778.13	756.11	734.55	713.50	692.54	672.02	651.73	631.27	611.11
210.0	788.87	760.09	732.41	705.47	679.37	654.11	629.78	606.42	583.71
240.0	784.13	755.08	727.43	700.43	674.69	649.42	625.05	601.92	579.35
270.0	768.64	746.00	724.48	703.28	683.03	662.47	642.08	622.03	602.27
300.0	784.13	755.08	727.43	700.43	674.69	649.42	625.05	601.92	579.35
330.0	788.87	760.09	732.41	705.47	679.37	654.11	629.78	606.42	583.71
360.0	778.13	756.11	734.55	713.50	692.54	672.02	651.73	631.27	611.11

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	591.02	571.34	551.66	532.09	512.88	493.87	475.14	457.12	439.95
30.0	561.80	540.38	519.32	499.09	479.71	461.16	443.38	426.47	410.32
60.0	557.65	536.32	515.40	495.41	476.11	457.65	439.95	423.24	407.28
90.0	582.53	563.08	543.63	524.46	505.46	486.62	468.01	450.47	433.73
120.0	557.65	536.32	515.40	495.41	476.11	457.65	439.95	423.24	407.28
150.0	561.80	540.38	519.32	499.09	479.71	461.16	443.38	426.47	410.32
180.0	591.02	571.34	551.66	532.09	512.88	493.87	475.14	457.12	439.95
210.0	561.80	540.38	519.32	499.09	479.71	461.16	443.38	426.47	410.32
240.0	557.65	536.32	515.40	495.41	476.11	457.65	439.95	423.24	407.28
270.0	582.53	563.08	543.63	524.46	505.46	486.62	468.01	450.47	433.73
300.0	557.65	536.32	515.40	495.41	476.11	457.65	439.95	423.24	407.28
330.0	561.80	540.38	519.32	499.09	479.71	461.16	443.38	426.47	410.32
360.0	591.02	571.34	551.66	532.09	512.88	493.87	475.14	457.12	439.95

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	423.66	408.32	393.71	379.74	366.58	354.15	342.23	331.29	321.24
30.0	395.15	380.78	367.15	354.15	341.89	330.23	318.91	308.23	298.14
60.0	392.16	377.76	364.23	351.23	338.99	327.50	316.36	305.80	295.76
90.0	417.53	402.13	387.78	373.79	360.66	348.61	337.03	326.31	316.35
120.0	392.16	377.76	364.23	351.23	338.99	327.50	316.36	305.80	295.76
150.0	395.15	380.78	367.15	354.15	341.89	330.23	318.91	308.23	298.14
180.0	423.66	408.32	393.71	379.74	366.58	354.15	342.23	331.29	321.24
210.0	395.15	380.78	367.15	354.15	341.89	330.23	318.91	308.23	298.14
240.0	392.16	377.76	364.23	351.23	338.99	327.50	316.36	305.80	295.76
270.0	417.53	402.13	387.78	373.79	360.66	348.61	337.03	326.31	316.35
300.0	392.16	377.76	364.23	351.23	338.99	327.50	316.36	305.80	295.76
330.0	395.15	380.78	367.15	354.15	341.89	330.23	318.91	308.23	298.14
360.0	423.66	408.32	393.71	379.74	366.58	354.15	342.23	331.29	321.24
C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	312.35	304.30	297.10	290.72	284.89	279.61	274.91	270.64	266.78
30.0	288.78	279.97	271.74	263.98	256.59	249.63	243.19	237.14	231.44
60.0	286.42	277.61	269.41	261.64	254.31	247.37	240.94	234.91	229.26
90.0	307.51	299.47	292.31	285.92	280.20	274.98	270.28	266.04	262.28
120.0	286.42	277.61	269.41	261.64	254.31	247.37	240.94	234.91	229.26
150.0	288.78	279.97	271.74	263.98	256.59	249.63	243.19	237.14	231.44
180.0	312.35	304.30	297.10	290.72	284.89	279.61	274.91	270.64	266.78
210.0	288.78	279.97	271.74	263.98	256.59	249.63	243.19	237.14	231.44
240.0	286.42	277.61	269.41	261.64	254.31	247.37	240.94	234.91	229.26
270.0	307.51	299.47	292.31	285.92	280.20	274.98	270.28	266.04	262.28
300.0	286.42	277.61	269.41	261.64	254.31	247.37	240.94	234.91	229.26
330.0	288.78	279.97	271.74	263.98	256.59	249.63	243.19	237.14	231.44
360.0	312.35	304.30	297.10	290.72	284.89	279.61	274.91	270.64	266.78
C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	263.38	260.16	257.18	254.31	251.77	249.35	247.07	244.71	242.20
30.0	226.17	221.24	216.72	212.57	208.94	205.66	202.71	199.92	197.23
60.0	223.97	219.02	214.46	210.51	207.01	203.87	201.01	198.30	195.68
90.0	258.86	255.61	252.49	250.04	247.74	245.60	243.51	241.34	238.98
120.0	223.97	219.02	214.46	210.51	207.01	203.87	201.01	198.30	195.68
150.0	226.17	221.24	216.72	212.57	208.94	205.66	202.71	199.92	197.23
180.0	263.38	260.16	257.18	254.31	251.77	249.35	247.07	244.71	242.20
210.0	226.17	221.24	216.72	212.57	208.94	205.66	202.71	199.92	197.23
240.0	223.97	219.02	214.46	210.51	207.01	203.87	201.01	198.30	195.68
270.0	258.86	255.61	252.49	250.04	247.74	245.60	243.51	241.34	238.98
300.0	223.97	219.02	214.46	210.51	207.01	203.87	201.01	198.30	195.68
330.0	226.17	221.24	216.72	212.57	208.94	205.66	202.71	199.92	197.23
360.0	263.38	260.16	257.18	254.31	251.77	249.35	247.07	244.71	242.20
C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	239.40	236.22	232.63	228.51	223.77	218.37	212.45	206.00	199.21
30.0	194.53	191.78	188.94	185.96	182.76	179.34	175.75	171.94	168.00
60.0	193.06	190.39	187.58	184.64	181.48	178.11	174.59	170.88	166.99
90.0	236.35	233.33	229.81	225.76	221.10	215.80	210.03	203.78	197.08
120.0	193.06	190.39	187.58	184.64	181.48	178.11	174.59	170.88	166.99
150.0	194.53	191.78	188.94	185.96	182.76	179.34	175.75	171.94	168.00
180.0	239.40	236.22	232.63	228.51	223.77	218.37	212.45	206.00	199.21
210.0	194.53	191.78	188.94	185.96	182.76	179.34	175.75	171.94	168.00
240.0	193.06	190.39	187.58	184.64	181.48	178.11	174.59	170.88	166.99
270.0	236.35	233.33	229.81	225.76	221.10	215.80	210.03	203.78	197.08
300.0	193.06	190.39	187.58	184.64	181.48	178.11	174.59	170.88	166.99
330.0	194.53	191.78	188.94	185.96	182.76	179.34	175.75	171.94	168.00
360.0	239.40	236.22	232.63	228.51	223.77	218.37	212.45	206.00	199.21

C/γ(°)	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
0.0	192.28	185.32	178.42	171.84	165.60	159.67	154.16	149.15	144.49
30.0	164.00	159.98	155.93	151.98	148.11	144.27	140.48	136.84	133.21
60.0	163.07	159.12	155.16	151.27	147.46	143.73	140.04	136.49	132.97
90.0	190.33	183.51	176.79	170.36	164.23	158.55	153.24	148.43	143.99
120.0	163.07	159.12	155.16	151.27	147.46	143.73	140.04	136.49	132.97
150.0	164.00	159.98	155.93	151.98	148.11	144.27	140.48	136.84	133.21
180.0	192.28	185.32	178.42	171.84	165.60	159.67	154.16	149.15	144.49
210.0	164.00	159.98	155.93	151.98	148.11	144.27	140.48	136.84	133.21
240.0	163.07	159.12	155.16	151.27	147.46	143.73	140.04	136.49	132.97
270.0	190.33	183.51	176.79	170.36	164.23	158.55	153.24	148.43	143.99
300.0	163.07	159.12	155.16	151.27	147.46	143.73	140.04	136.49	132.97
330.0	164.00	159.98	155.93	151.98	148.11	144.27	140.48	136.84	133.21
360.0	192.28	185.32	178.42	171.84	165.60	159.67	154.16	149.15	144.49

C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	140.09	135.93	131.91	127.97	124.05	120.12	116.13	112.05	107.96
30.0	129.59	125.95	122.25	118.50	114.67	110.75	106.74	102.59	98.41
60.0	129.44	125.89	122.29	118.64	114.88	111.03	107.05	102.96	98.83
90.0	139.77	135.82	131.99	128.25	124.48	120.68	116.75	112.79	108.79
120.0	129.44	125.89	122.29	118.64	114.88	111.03	107.05	102.96	98.83
150.0	129.59	125.95	122.25	118.50	114.67	110.75	106.74	102.59	98.41
180.0	140.09	135.93	131.91	127.97	124.05	120.12	116.13	112.05	107.96
210.0	129.59	125.95	122.25	118.50	114.67	110.75	106.74	102.59	98.41
240.0	129.44	125.89	122.29	118.64	114.88	111.03	107.05	102.96	98.83
270.0	139.77	135.82	131.99	128.25	124.48	120.68	116.75	112.79	108.79
300.0	129.44	125.89	122.29	118.64	114.88	111.03	107.05	102.96	98.83
330.0	129.59	125.95	122.25	118.50	114.67	110.75	106.74	102.59	98.41
360.0	140.09	135.93	131.91	127.97	124.05	120.12	116.13	112.05	107.96

C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	103.86	99.79	95.63	91.26	86.41	80.97	74.93	68.40	61.41
30.0	94.18	89.92	85.60	81.16	76.44	71.40	66.04	60.42	54.56
60.0	94.66	90.42	86.09	81.63	76.90	71.84	66.52	60.88	55.02
90.0	104.81	100.80	96.64	92.22	87.37	81.89	75.91	69.32	62.33
120.0	94.66	90.42	86.09	81.63	76.90	71.84	66.52	60.88	55.02
150.0	94.18	89.92	85.60	81.16	76.44	71.40	66.04	60.42	54.56
180.0	103.86	99.79	95.63	91.26	86.41	80.97	74.93	68.40	61.41
210.0	94.18	89.92	85.60	81.16	76.44	71.40	66.04	60.42	54.56
240.0	94.66	90.42	86.09	81.63	76.90	71.84	66.52	60.88	55.02
270.0	104.81	100.80	96.64	92.22	87.37	81.89	75.91	69.32	62.33
300.0	94.66	90.42	86.09	81.63	76.90	71.84	66.52	60.88	55.02
330.0	94.18	89.92	85.60	81.16	76.44	71.40	66.04	60.42	54.56
360.0	103.86	99.79	95.63	91.26	86.41	80.97	74.93	68.40	61.41

C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	54.19	46.92	39.70	32.74	26.04	19.86	14.30	9.41	5.43
30.0	48.53	42.46	36.32	30.28	24.34	18.66	13.43	8.78	5.03
60.0	49.00	42.94	36.78	30.70	24.77	19.06	13.80	9.10	5.33
90.0	55.12	47.91	40.61	33.56	26.86	20.61	15.00	10.01	5.96
120.0	49.00	42.94	36.78	30.70	24.77	19.06	13.80	9.10	5.33
150.0	48.53	42.46	36.32	30.28	24.34	18.66	13.43	8.78	5.03
180.0	54.19	46.92	39.70	32.74	26.04	19.86	14.30	9.41	5.43
210.0	48.53	42.46	36.32	30.28	24.34	18.66	13.43	8.78	5.03
240.0	49.00	42.94	36.78	30.70	24.77	19.06	13.80	9.10	5.33
270.0	55.12	47.91	40.61	33.56	26.86	20.61	15.00	10.01	5.96
300.0	49.00	42.94	36.78	30.70	24.77	19.06	13.80	9.10	5.33
330.0	48.53	42.46	36.32	30.28	24.34	18.66	13.43	8.78	5.03
360.0	54.19	46.92	39.70	32.74	26.04	19.86	14.30	9.41	5.43

Intensity data(cd)**Appendix Page: 21 Total:21**

C/γ(°)	90.0
0.0	0.99
30.0	0.89
60.0	1.20
90.0	3.23
120.0	1.20
150.0	0.89
180.0	0.99
210.0	0.89
240.0	1.20
270.0	3.23
300.0	1.20
330.0	0.89
360.0	0.99