

Report No	:		Voltage	:	V
Test No	:	A2401355A001	Current	:	A
LumCAT	:	LIT by CARDI	Power	:	29.000 W
Luminaire	:	0028920190 29W 3000K 3480lm PF		:	
LampCAT	:		Ballast type	:	
Lamp flux	:	3480.0 lm	Width	:	255 mm
Number of Lamps	:	1	Length	:	1155 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3480.00	Central intensity(cd)	:	1657.192
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1657.722
Luminous Efficacy(lm/W)	:	120.00	Angle of maximum intensity	:	C=90.0 γ =0.5
Beam Angle(50%Imax)	:	[C0/180]Total=87.6 [C90/270]Total=88.0			
Field angle(10%Imax)	:	[C0/180]Total=148.0 [C90/270]Total=148.2			
Maximum s/h(1/2)	:	C0_180=1.25 C90_270=1.25			
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 :	:	87.424%			

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	1657.192	0.000	0	0.00%	0.00%
0.5	1657.424	0.397	0.397	0.01%	0.01%
1.0	1657.232	1.189	1.586	0.03%	0.05%
1.5	1656.810	1.982	3.568	0.06%	0.10%
2.0	1656.390	2.774	6.342	0.08%	0.18%
2.5	1655.722	3.565	9.907	0.10%	0.28%
3.0	1654.988	4.355	14.262	0.13%	0.41%
3.5	1654.145	5.143	19.405	0.15%	0.56%
4.0	1653.165	5.930	25.335	0.17%	0.73%
4.5	1652.067	6.715	32.05	0.19%	0.92%
5.0	1650.730	7.498	39.548	0.22%	1.14%
5.5	1649.281	8.278	47.827	0.24%	1.37%
6.0	1647.718	9.056	56.883	0.26%	1.63%
6.5	1646.103	9.831	66.713	0.28%	1.92%
7.0	1644.251	10.603	77.316	0.30%	2.22%
7.5	1642.294	11.371	88.687	0.33%	2.55%
8.0	1640.265	12.136	100.823	0.35%	2.90%
8.5	1638.101	12.897	113.719	0.37%	3.27%
9.0	1635.858	13.654	127.374	0.39%	3.66%
9.5	1633.443	14.407	141.781	0.41%	4.07%
10.0	1630.990	15.156	156.937	0.44%	4.51%
10.5	1628.327	15.900	172.837	0.46%	4.97%
11.0	1625.460	16.639	189.476	0.48%	5.44%
11.5	1622.518	17.372	206.848	0.50%	5.94%
12.0	1619.387	18.099	224.947	0.52%	6.46%
12.5	1616.164	18.821	243.768	0.54%	7.00%
13.0	1612.882	19.537	263.306	0.56%	7.57%
13.5	1609.338	20.247	283.553	0.58%	8.15%
14.0	1605.684	20.950	304.503	0.60%	8.75%
14.5	1601.973	21.647	326.149	0.62%	9.37%
15.0	1598.170	22.337	348.486	0.64%	10.01%
15.5	1594.091	23.020	371.506	0.66%	10.68%
16.0	1589.922	23.694	395.201	0.68%	11.36%
16.5	1585.602	24.361	419.562	0.70%	12.06%
17.0	1581.133	25.020	444.583	0.72%	12.78%
17.5	1576.663	25.672	470.255	0.74%	13.51%
18.0	1571.953	26.316	496.571	0.76%	14.27%
18.5	1567.038	26.950	523.521	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	1561.946	27.574	551.095	0.79%	15.84%
19.5	1556.762	28.189	579.284	0.81%	16.65%
20.0	1551.377	28.794	608.078	0.83%	17.47%
20.5	1545.914	29.390	637.468	0.84%	18.32%
21.0	1540.501	29.979	667.447	0.86%	19.18%
21.5	1534.845	30.558	698.005	0.88%	20.06%
22.0	1528.900	31.125	729.129	0.89%	20.95%
22.5	1522.718	31.678	760.808	0.91%	21.86%
23.0	1516.350	32.220	793.027	0.93%	22.79%
23.5	1509.920	32.751	825.778	0.94%	23.73%
24.0	1503.292	33.270	859.048	0.96%	24.69%
24.5	1496.476	33.778	892.826	0.97%	25.66%
25.0	1489.427	34.271	927.097	0.98%	26.64%
25.5	1482.089	34.751	961.848	1.00%	27.64%
26.0	1474.593	35.216	997.064	1.01%	28.65%
26.5	1466.884	35.667	1032.731	1.02%	29.68%
27.0	1459.049	36.105	1068.836	1.04%	30.71%
27.5	1451.008	36.529	1105.365	1.05%	31.76%
28.0	1442.706	36.938	1142.303	1.06%	32.82%
28.5	1434.112	37.330	1179.634	1.07%	33.90%
29.0	1425.183	37.704	1217.338	1.08%	34.98%
29.5	1415.968	38.059	1255.397	1.09%	36.07%
30.0	1406.416	38.396	1293.793	1.10%	37.18%
30.5	1396.647	38.714	1332.507	1.11%	38.29%
31.0	1386.500	39.012	1371.519	1.12%	39.41%
31.5	1375.873	39.288	1410.807	1.13%	40.54%
32.0	1364.768	39.538	1450.344	1.14%	41.68%
32.5	1353.274	39.763	1490.108	1.14%	42.82%
33.0	1341.091	39.960	1530.068	1.15%	43.97%
33.5	1328.356	40.126	1570.194	1.15%	45.12%
34.0	1314.819	40.259	1610.453	1.16%	46.28%
34.5	1300.347	40.351	1650.804	1.16%	47.44%
35.0	1284.944	40.400	1691.204	1.16%	48.60%
35.5	1268.607	40.404	1731.608	1.16%	49.76%
36.0	1251.209	40.361	1771.969	1.16%	50.92%
36.5	1232.544	40.264	1812.233	1.16%	52.08%
37.0	1212.587	40.108	1852.341	1.15%	53.23%
37.5	1191.508	39.895	1892.236	1.15%	54.37%

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	1168.917	39.618	1931.854	1.14%	55.51%
38.5	1145.086	39.275	1971.129	1.13%	56.64%
39.0	1120.357	38.875	2010.004	1.12%	57.76%
39.5	1094.521	38.419	2048.423	1.10%	58.86%
40.0	1067.664	37.904	2086.327	1.09%	59.95%
40.5	1040.222	37.339	2123.666	1.07%	61.02%
41.0	1012.333	36.732	2160.398	1.06%	62.08%
41.5	983.765	36.082	2196.48	1.04%	63.12%
42.0	954.882	35.391	2231.871	1.02%	64.13%
42.5	926.097	34.673	2266.543	1.00%	65.13%
43.0	897.409	33.935	2300.478	0.98%	66.11%
43.5	868.974	33.181	2333.659	0.95%	67.06%
44.0	840.982	32.418	2366.076	0.93%	67.99%
44.5	813.522	31.651	2397.728	0.91%	68.90%
45.0	786.464	30.881	2428.609	0.89%	69.79%
45.5	759.899	30.108	2458.717	0.87%	70.65%
46.0	734.202	29.341	2488.057	0.84%	71.50%
46.5	709.229	28.586	2516.643	0.82%	72.32%
47.0	684.952	27.840	2544.483	0.80%	73.12%
47.5	661.235	27.101	2571.584	0.78%	73.90%
48.0	638.221	26.370	2597.954	0.76%	74.65%
48.5	615.838	25.650	2623.604	0.74%	75.39%
49.0	593.911	24.935	2648.54	0.72%	76.11%
49.5	572.667	24.229	2672.768	0.70%	76.80%
50.0	551.813	23.529	2696.297	0.68%	77.48%
50.5	531.287	22.830	2719.127	0.66%	78.14%
51.0	511.331	22.135	2741.262	0.64%	78.77%
51.5	492.133	21.455	2762.717	0.62%	79.39%
52.0	473.431	20.788	2783.506	0.60%	79.99%
52.5	455.286	20.132	2803.638	0.58%	80.56%
53.0	437.983	19.494	2823.131	0.56%	81.12%
53.5	421.556	18.881	2842.013	0.54%	81.67%
54.0	405.825	18.293	2860.305	0.53%	82.19%
54.5	390.870	17.726	2878.031	0.51%	82.70%
55.0	376.619	17.183	2895.214	0.49%	83.20%
55.5	363.050	16.662	2911.876	0.48%	83.67%
56.0	350.261	16.165	2928.041	0.46%	84.14%
56.5	338.208	15.694	2943.734	0.45%	84.59%

Equipment: GMS1800
Temperature($^{\circ}\text{C}$): 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	326.780	15.246	2958.981	0.44%	85.03%
57.5	315.982	14.820	2973.801	0.43%	85.45%
58.0	305.907	14.419	2988.22	0.41%	85.87%
58.5	296.445	14.043	3002.263	0.40%	86.27%
59.0	287.622	13.689	3015.952	0.39%	86.67%
59.5	279.467	13.361	3029.313	0.38%	87.05%
60.0	271.864	13.057	3042.37	0.38%	87.42%
60.5	264.800	12.774	3055.144	0.37%	87.79%
61.0	258.246	12.511	3067.655	0.36%	88.15%
61.5	252.279	12.271	3079.926	0.35%	88.50%
62.0	246.724	12.051	3091.977	0.35%	88.85%
62.5	241.485	11.845	3103.822	0.34%	89.19%
63.0	236.568	11.652	3115.474	0.33%	89.53%
63.5	232.082	11.473	3126.947	0.33%	89.85%
64.0	228.077	11.314	3138.261	0.33%	90.18%
64.5	224.439	11.174	3149.435	0.32%	90.50%
65.0	221.079	11.047	3160.482	0.32%	90.82%
65.5	217.993	10.932	3171.414	0.31%	91.13%
66.0	215.083	10.825	3182.239	0.31%	91.44%
66.5	212.307	10.725	3192.964	0.31%	91.75%
67.0	209.578	10.627	3203.591	0.31%	92.06%
67.5	206.811	10.527	3214.118	0.30%	92.36%
68.0	203.930	10.422	3224.541	0.30%	92.66%
68.5	200.896	10.308	3234.849	0.30%	92.96%
69.0	197.635	10.183	3245.032	0.29%	93.25%
69.5	194.109	10.043	3255.075	0.29%	93.54%
70.0	190.301	9.887	3264.963	0.28%	93.82%
70.5	186.260	9.716	3274.679	0.28%	94.10%
71.0	181.962	9.531	3284.21	0.27%	94.37%
71.5	177.437	9.330	3293.54	0.27%	94.64%
72.0	172.827	9.120	3302.659	0.26%	94.90%
72.5	168.143	8.903	3311.562	0.26%	95.16%
73.0	163.396	8.680	3320.243	0.25%	95.41%
73.5	158.708	8.456	3328.699	0.24%	95.65%
74.0	154.137	8.234	3336.933	0.24%	95.89%
74.5	149.647	8.016	3344.949	0.23%	96.12%
75.0	145.320	7.802	3352.75	0.22%	96.34%
75.5	141.180	7.596	3360.346	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

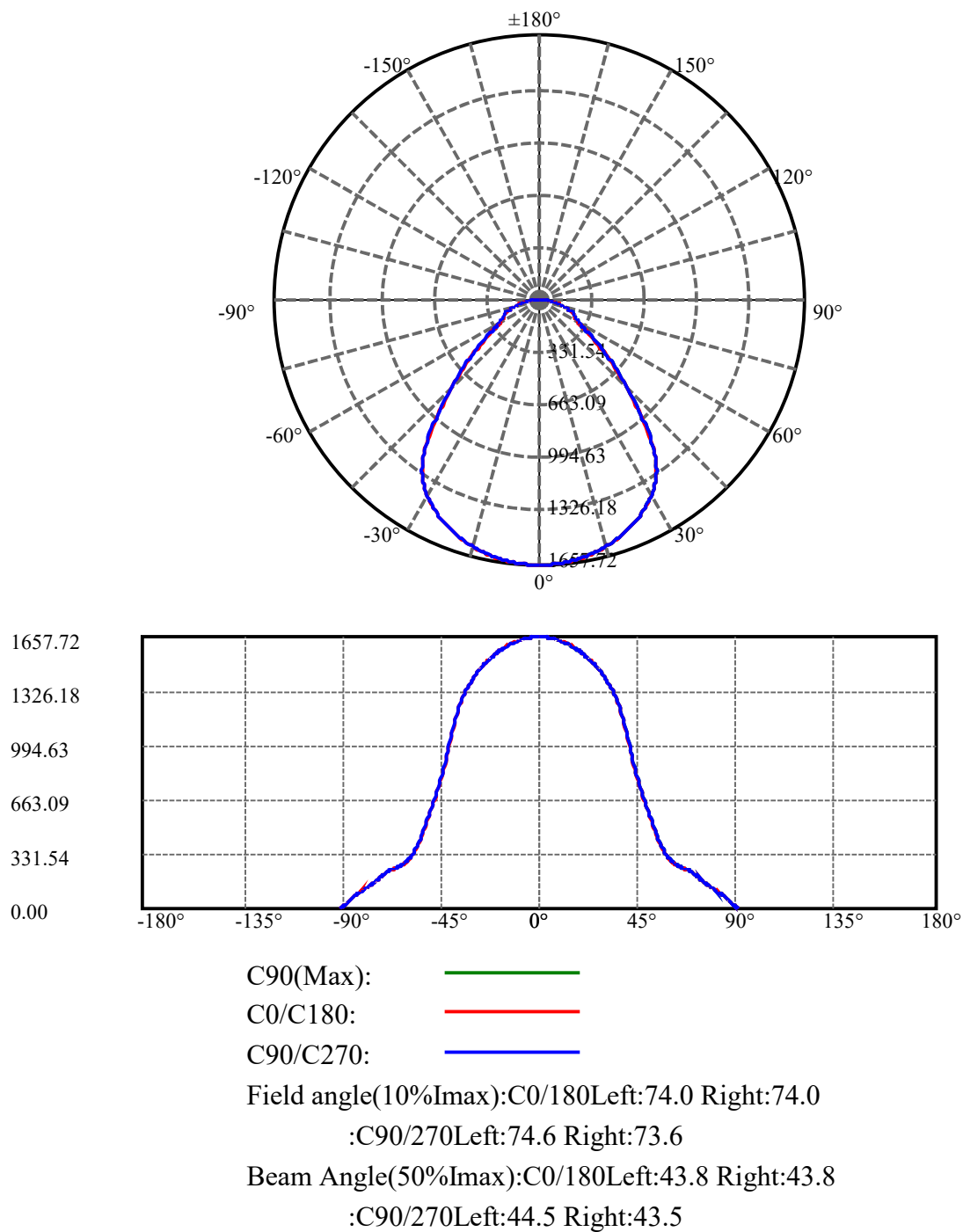
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	137.138	7.395	3367.742	0.21%	96.77%
76.5	133.205	7.199	3374.941	0.21%	96.98%
77.0	129.347	7.006	3381.947	0.20%	97.18%
77.5	125.521	6.815	3388.762	0.20%	97.38%
78.0	121.679	6.623	3395.385	0.19%	97.57%
78.5	117.809	6.428	3401.813	0.18%	97.75%
79.0	113.897	6.230	3408.043	0.18%	97.93%
79.5	109.877	6.027	3414.071	0.17%	98.11%
80.0	105.768	5.818	3419.888	0.17%	98.27%
80.5	101.621	5.604	3425.492	0.16%	98.43%
81.0	97.410	5.386	3430.877	0.15%	98.59%
81.5	93.081	5.162	3436.039	0.15%	98.74%
82.0	88.622	4.930	3440.969	0.14%	98.88%
82.5	84.048	4.691	3445.659	0.13%	99.01%
83.0	79.211	4.440	3450.099	0.13%	99.14%
83.5	74.068	4.173	3454.272	0.12%	99.26%
84.0	68.641	3.889	3458.162	0.11%	99.37%
84.5	62.906	3.588	3461.75	0.10%	99.48%
85.0	56.925	3.271	3465.021	0.09%	99.57%
85.5	50.776	2.943	3467.964	0.08%	99.65%
86.0	44.520	2.605	3470.569	0.07%	99.73%
86.5	38.218	2.263	3472.833	0.07%	99.79%
87.0	32.045	1.923	3474.756	0.06%	99.85%
87.5	26.037	1.590	3476.346	0.05%	99.90%
88.0	20.376	1.271	3477.618	0.04%	99.93%
88.5	15.108	0.972	3478.59	0.03%	99.96%
89.0	10.431	0.700	3479.29	0.02%	99.98%
89.5	6.765	0.471	3479.762	0.01%	99.99%
90.0	1.921	0.238	3480	0.01%	100.00%

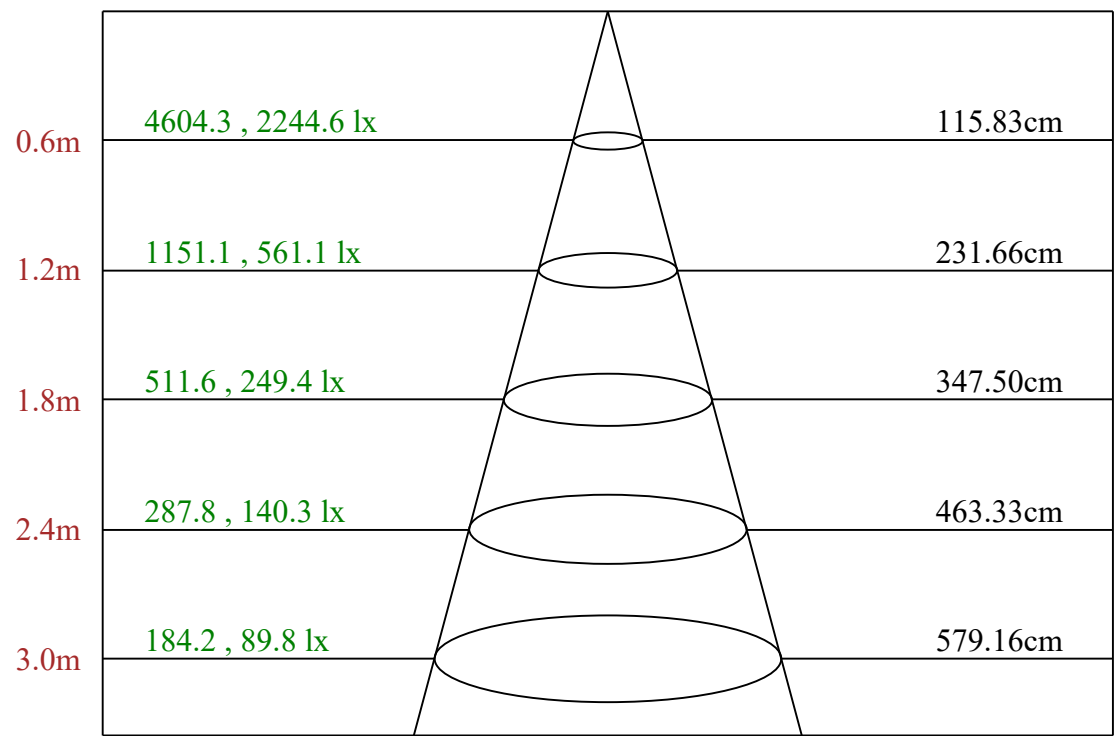
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1293.79	37.18%	37.18%
0-40	2086.33	59.95%	59.95%
0-60	3042.37	87.42%	87.42%
0-90	3479.76	99.99%	99.99%
0-120	3479.76	99.99%	99.99%
0-180	3480.00	100.00%	100.00%
60-90	437.39	12.57%	12.57%
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%
0-52.01	2784.00	80.00%	80.00%

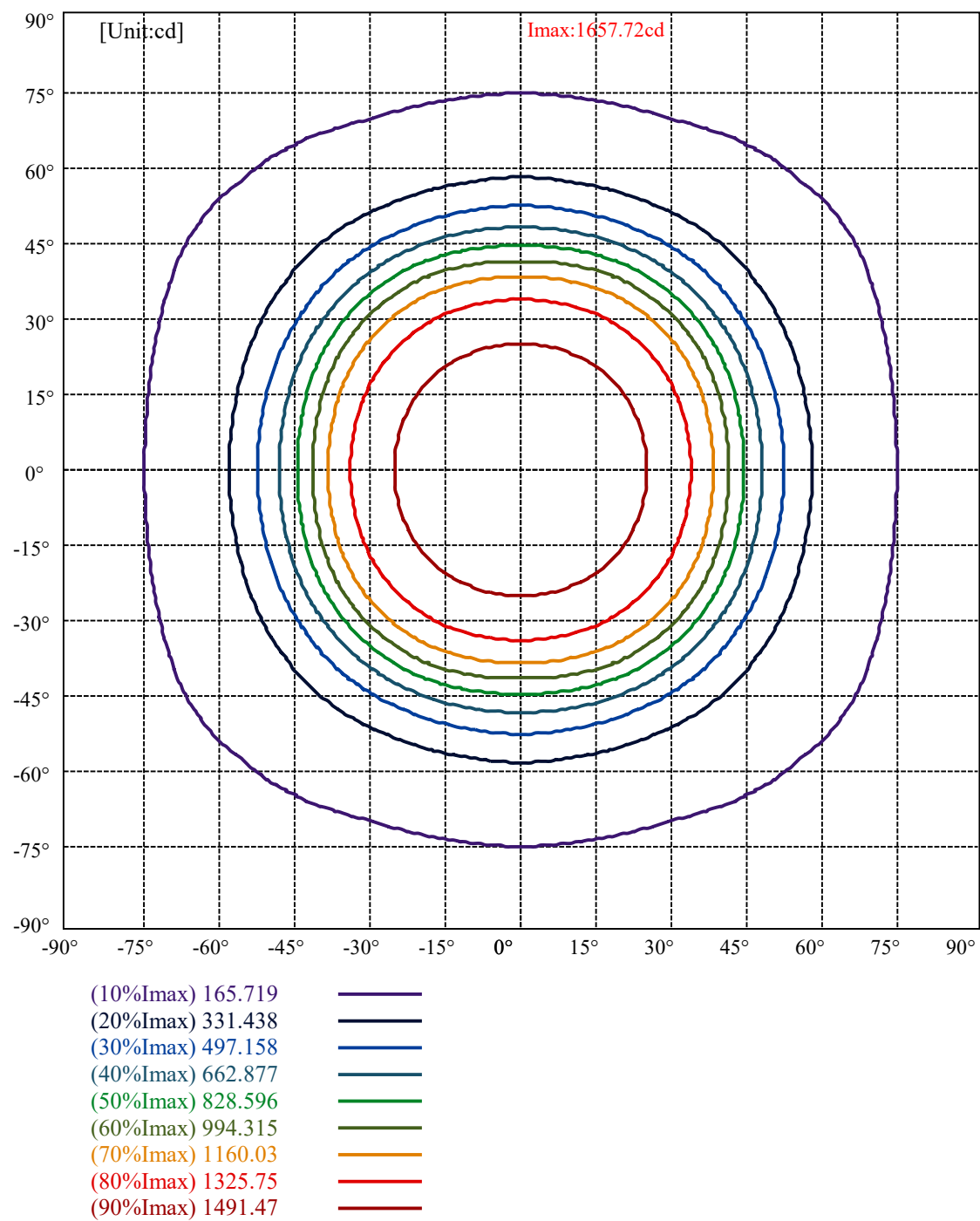
ZONAL LUMEN SUMMARY

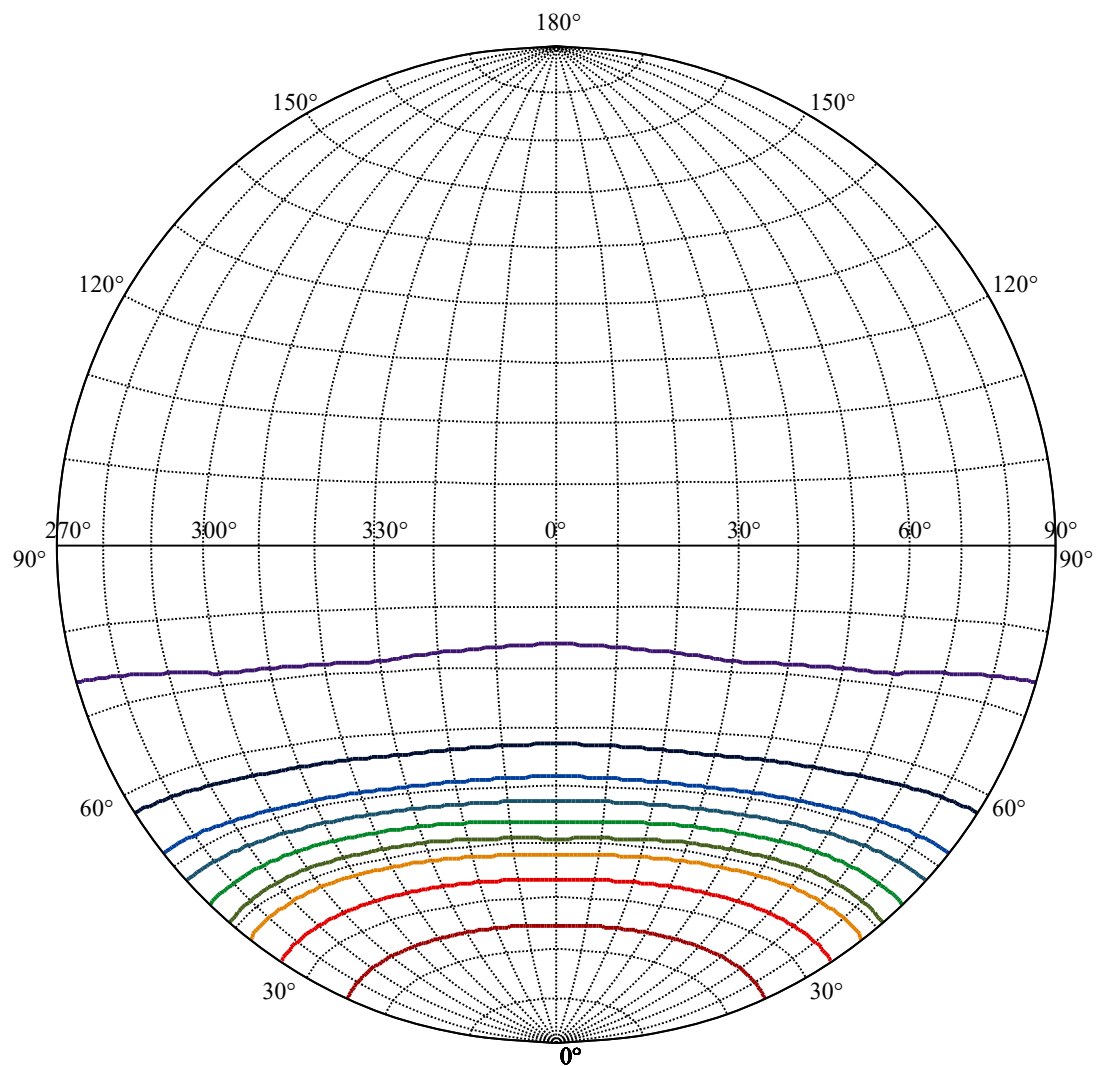
0-10	156.94
10-20	451.14
20-30	685.72
30-40	792.53
40-50	609.97
50-60	346.07
60-70	222.59
70-80	154.93
80-90	59.87
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Max , Ave Beam angle of C90 plane 87.97



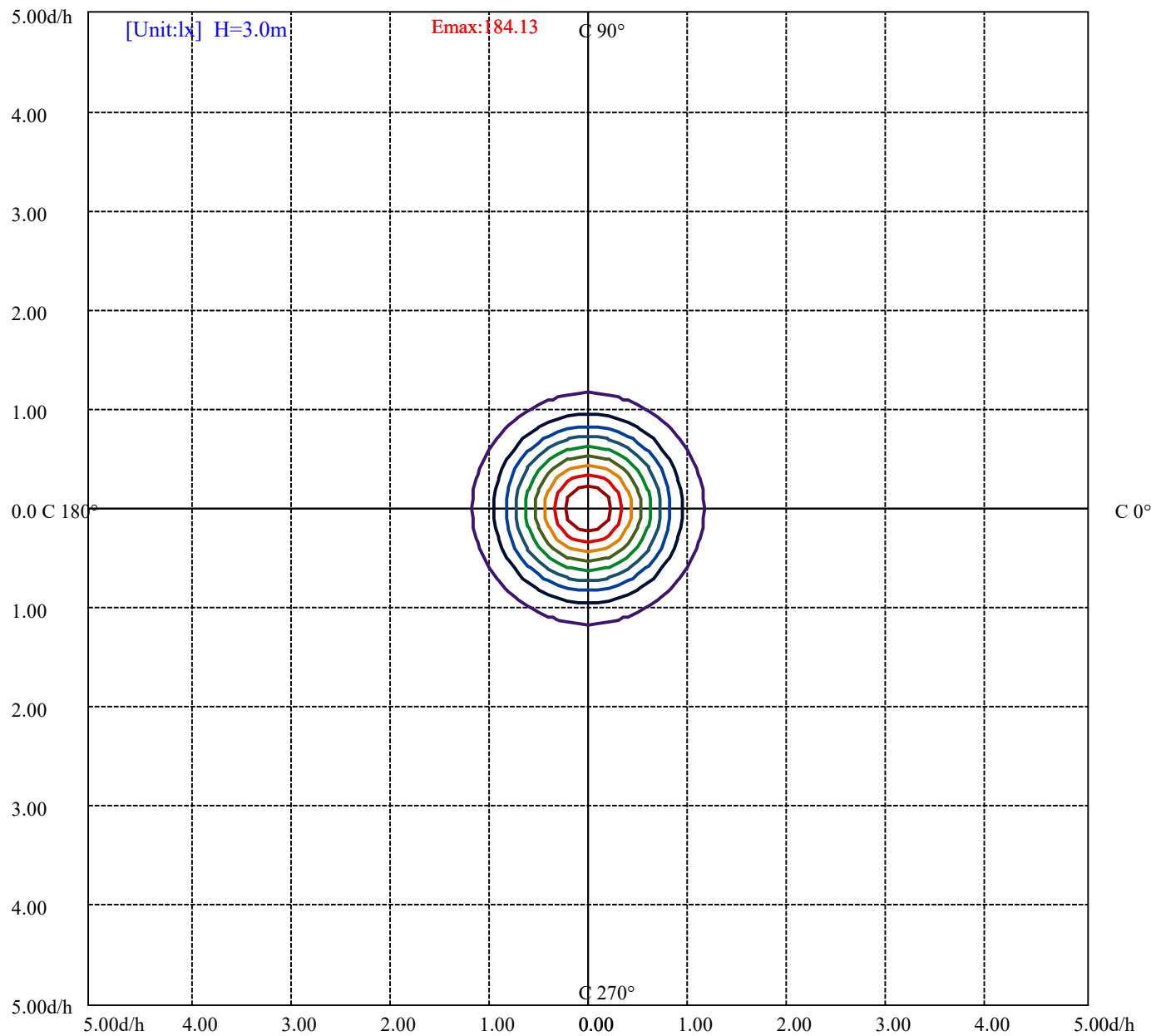


House

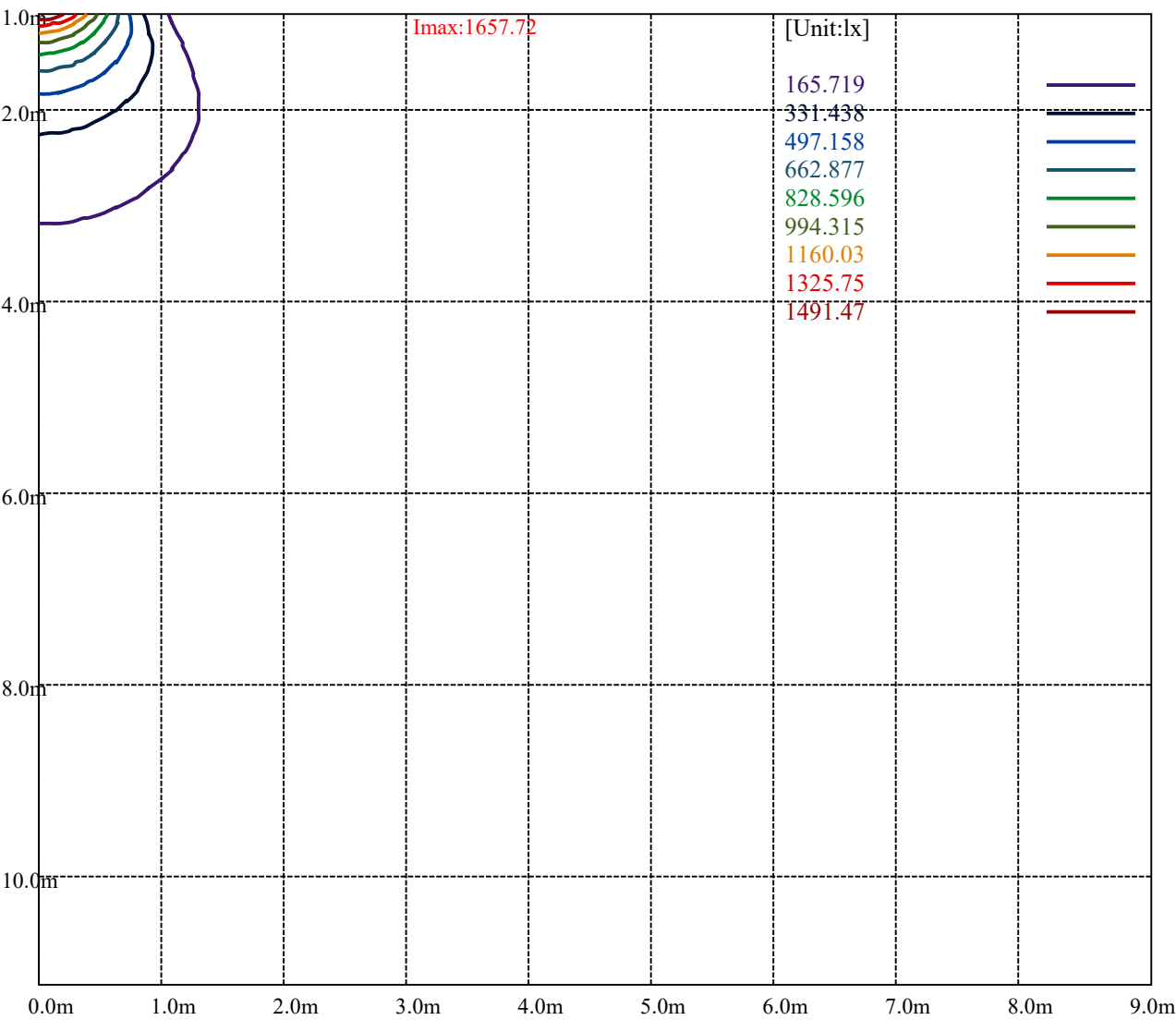
[Unit:cd]

Road

Imax:1657.72	
(10%Imax) 165.763	
(20%Imax) 331.526	
(30%Imax) 497.289	
(40%Imax) 663.052	
(50%Imax) 828.815	
(60%Imax) 994.579	
(70%Imax) 1160.34	
(80%Imax) 1326.1	
(90%Imax) 1491.87	



(10%Emax)	18.41322	
(20%Emax)	36.82644	
(30%Emax)	55.23978	
(40%Emax)	73.653	
(50%Emax)	92.06622	
(60%Emax)	110.4794	
(70%Emax)	128.8922	
(80%Emax)	147.3056	
(90%Emax)	165.7189	



Luminance Limiting Curve(no luminous side)

Appendix Page: 14 Total:21

Luminance Table

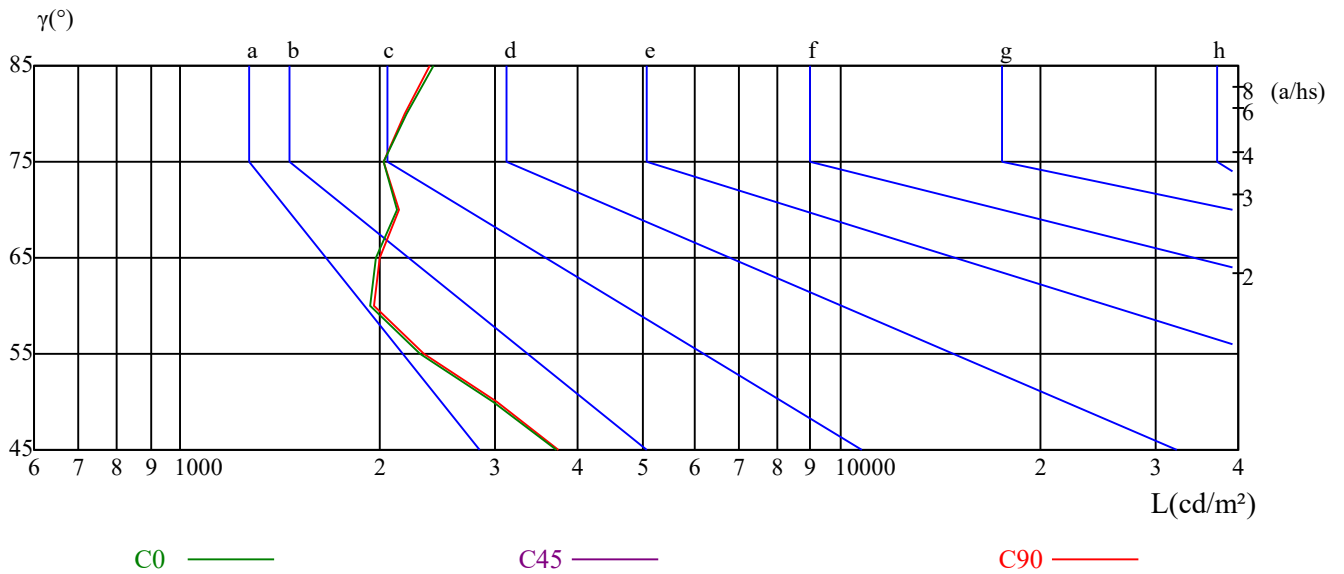
γ	45	50	55	60	65	70	75	80	85
C0	3704	2982	2310	1942	1971	2125	2026	2199	2423
C45	0	0	0	0	0	0	0	0	0
C90	3746	3018	2338	1970	1997	2144	2034	2180	2378

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1971	1997	0	2026	2034	0	2423	2378	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	14.82	16.26	15.18	16.58	16.89	14.87	16.31	15.23	16.62	16.94
	3H	16.00	17.30	16.38	17.64	17.98	16.05	17.35	16.44	17.69	18.03
	4H	16.60	17.82	17.00	18.17	18.53	16.65	17.87	17.05	18.22	18.58
	6H	17.21	18.33	17.61	18.70	19.09	17.24	18.37	17.65	18.73	19.13
	8H	17.47	18.55	17.88	18.93	19.33	17.49	18.58	17.91	18.95	19.36
	12H	17.69	18.72	18.10	19.11	19.52	17.70	18.74	18.12	19.12	19.53
4H	2H	15.10	16.32	15.50	16.67	17.03	15.15	16.36	15.54	16.71	17.07
	3H	16.50	17.53	16.92	17.92	18.33	16.55	17.57	16.97	17.96	18.37
	4H	17.32	18.22	17.75	18.64	19.08	17.36	18.26	17.79	18.68	19.12
	6H	18.07	18.87	18.53	19.32	19.76	18.09	18.90	18.56	19.34	19.79
	8H	18.45	19.20	18.92	19.65	20.11	18.46	19.21	18.94	19.66	20.13
	12H	18.77	19.47	19.25	19.91	20.42	18.77	19.47	19.25	19.91	20.42
8H	4H	17.56	18.31	18.03	18.76	19.22	17.60	18.35	18.07	18.80	19.26
	6H	18.48	19.11	18.97	19.58	20.08	18.50	19.13	18.99	19.60	20.10
	8H	19.02	19.57	19.54	20.08	20.57	19.02	19.58	19.54	20.09	20.58
	12H	19.45	19.92	19.98	20.43	20.94	19.45	19.91	19.97	20.42	20.93
12H	4H	17.60	18.30	18.08	18.74	19.25	17.63	18.34	18.11	18.78	19.28
	6H	18.61	19.17	19.13	19.68	20.17	18.63	19.18	19.15	19.70	20.18
	8H	19.16	19.63	19.69	20.14	20.65	19.17	19.63	19.69	20.14	20.65
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		3.5					3.5				

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	1657.19	1656.99	1656.54	1656.30	1655.79	1655.00	1654.30	1653.49	1652.51
30.0	1657.19	1657.57	1657.63	1657.33	1656.88	1656.25	1655.50	1654.67	1653.73
60.0	1657.19	1657.34	1657.28	1656.88	1656.55	1655.95	1655.23	1654.40	1653.41
90.0	1657.19	1657.72	1657.04	1656.14	1655.70	1654.94	1654.17	1653.25	1652.21
120.0	1657.19	1657.34	1657.28	1656.88	1656.55	1655.95	1655.23	1654.40	1653.41
150.0	1657.19	1657.57	1657.63	1657.33	1656.88	1656.25	1655.50	1654.67	1653.73
180.0	1657.19	1656.99	1656.54	1656.30	1655.79	1655.00	1654.30	1653.49	1652.51
210.0	1657.19	1657.57	1657.63	1657.33	1656.88	1656.25	1655.50	1654.67	1653.73
240.0	1657.19	1657.34	1657.28	1656.88	1656.55	1655.95	1655.23	1654.40	1653.41
270.0	1657.19	1657.72	1657.04	1656.14	1655.70	1654.94	1654.17	1653.25	1652.21
300.0	1657.19	1657.34	1657.28	1656.88	1656.55	1655.95	1655.23	1654.40	1653.41
330.0	1657.19	1657.57	1657.63	1657.33	1656.88	1656.25	1655.50	1654.67	1653.73
360.0	1657.19	1656.99	1656.54	1656.30	1655.79	1655.00	1654.30	1653.49	1652.51

C/γ(°)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.0	1651.37	1649.99	1648.51	1646.93	1645.37	1643.60	1641.62	1639.66	1637.56
30.0	1652.56	1651.23	1649.79	1648.22	1646.60	1644.83	1642.86	1640.83	1638.71
60.0	1652.33	1651.02	1649.60	1648.06	1646.40	1644.52	1642.57	1640.49	1638.36
90.0	1651.24	1649.89	1648.39	1646.83	1645.24	1643.22	1641.28	1639.28	1636.90
120.0	1652.33	1651.02	1649.60	1648.06	1646.40	1644.52	1642.57	1640.49	1638.36
150.0	1652.56	1651.23	1649.79	1648.22	1646.60	1644.83	1642.86	1640.83	1638.71
180.0	1651.37	1649.99	1648.51	1646.93	1645.37	1643.60	1641.62	1639.66	1637.56
210.0	1652.56	1651.23	1649.79	1648.22	1646.60	1644.83	1642.86	1640.83	1638.71
240.0	1652.33	1651.02	1649.60	1648.06	1646.40	1644.52	1642.57	1640.49	1638.36
270.0	1651.24	1649.89	1648.39	1646.83	1645.24	1643.22	1641.28	1639.28	1636.90
300.0	1652.33	1651.02	1649.60	1648.06	1646.40	1644.52	1642.57	1640.49	1638.36
330.0	1652.56	1651.23	1649.79	1648.22	1646.60	1644.83	1642.86	1640.83	1638.71
360.0	1651.37	1649.99	1648.51	1646.93	1645.37	1643.60	1641.62	1639.66	1637.56

C/γ(°)	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
0.0	1635.21	1632.81	1630.31	1627.65	1624.81	1621.79	1618.75	1615.62	1612.57
30.0	1636.41	1633.98	1631.46	1628.82	1625.98	1623.04	1619.98	1616.73	1613.46
60.0	1636.14	1633.72	1631.27	1628.63	1625.75	1622.85	1619.67	1616.39	1613.00
90.0	1634.84	1632.45	1630.17	1627.41	1624.48	1621.54	1618.27	1615.11	1611.79
120.0	1636.14	1633.72	1631.27	1628.63	1625.75	1622.85	1619.67	1616.39	1613.00
150.0	1636.41	1633.98	1631.46	1628.82	1625.98	1623.04	1619.98	1616.73	1613.46
180.0	1635.21	1632.81	1630.31	1627.65	1624.81	1621.79	1618.75	1615.62	1612.57
210.0	1636.41	1633.98	1631.46	1628.82	1625.98	1623.04	1619.98	1616.73	1613.46
240.0	1636.14	1633.72	1631.27	1628.63	1625.75	1622.85	1619.67	1616.39	1613.00
270.0	1634.84	1632.45	1630.17	1627.41	1624.48	1621.54	1618.27	1615.11	1611.79
300.0	1636.14	1633.72	1631.27	1628.63	1625.75	1622.85	1619.67	1616.39	1613.00
330.0	1636.41	1633.98	1631.46	1628.82	1625.98	1623.04	1619.98	1616.73	1613.46
360.0	1635.21	1632.81	1630.31	1627.65	1624.81	1621.79	1618.75	1615.62	1612.57

C/γ(°)	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5
0.0	1609.09	1605.41	1601.63	1597.92	1593.88	1589.68	1585.41	1581.01	1576.52
30.0	1610.00	1606.29	1602.57	1598.83	1594.79	1590.54	1586.24	1581.85	1577.31
60.0	1609.41	1605.80	1602.11	1598.25	1594.18	1590.00	1585.62	1581.18	1576.69
90.0	1608.11	1604.52	1600.86	1596.93	1592.73	1588.78	1584.47	1579.72	1575.46
120.0	1609.41	1605.80	1602.11	1598.25	1594.18	1590.00	1585.62	1581.18	1576.69
150.0	1610.00	1606.29	1602.57	1598.83	1594.79	1590.54	1586.24	1581.85	1577.31
180.0	1609.09	1605.41	1601.63	1597.92	1593.88	1589.68	1585.41	1581.01	1576.52
210.0	1610.00	1606.29	1602.57	1598.83	1594.79	1590.54	1586.24	1581.85	1577.31
240.0	1609.41	1605.80	1602.11	1598.25	1594.18	1590.00	1585.62	1581.18	1576.69
270.0	1608.11	1604.52	1600.86	1596.93	1592.73	1588.78	1584.47	1579.72	1575.46
300.0	1609.41	1605.80	1602.11	1598.25	1594.18	1590.00	1585.62	1581.18	1576.69
330.0	1610.00	1606.29	1602.57	1598.83	1594.79	1590.54	1586.24	1581.85	1577.31
360.0	1609.09	1605.41	1601.63	1597.92	1593.88	1589.68	1585.41	1581.01	1576.52

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	1571.84	1566.99	1561.86	1556.63	1551.32	1545.97	1540.52	1534.71	1528.75
30.0	1572.63	1567.76	1562.67	1557.49	1552.12	1546.67	1541.23	1535.56	1529.66
60.0	1571.97	1567.02	1561.97	1556.80	1551.36	1545.87	1540.45	1534.88	1528.93
90.0	1570.68	1565.69	1560.54	1555.35	1549.97	1544.44	1539.14	1533.48	1527.48
120.0	1571.97	1567.02	1561.97	1556.80	1551.36	1545.87	1540.45	1534.88	1528.93
150.0	1572.63	1567.76	1562.67	1557.49	1552.12	1546.67	1541.23	1535.56	1529.66
180.0	1571.84	1566.99	1561.86	1556.63	1551.32	1545.97	1540.52	1534.71	1528.75
210.0	1572.63	1567.76	1562.67	1557.49	1552.12	1546.67	1541.23	1535.56	1529.66
240.0	1571.97	1567.02	1561.97	1556.80	1551.36	1545.87	1540.45	1534.88	1528.93
270.0	1570.68	1565.69	1560.54	1555.35	1549.97	1544.44	1539.14	1533.48	1527.48
300.0	1571.97	1567.02	1561.97	1556.80	1551.36	1545.87	1540.45	1534.88	1528.93
330.0	1572.63	1567.76	1562.67	1557.49	1552.12	1546.67	1541.23	1535.56	1529.66
360.0	1571.84	1566.99	1561.86	1556.63	1551.32	1545.97	1540.52	1534.71	1528.75

C/γ(°)	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
0.0	1522.64	1516.23	1509.76	1502.98	1496.09	1488.91	1481.39	1473.83	1466.14
30.0	1523.52	1517.17	1510.77	1504.14	1497.28	1490.20	1482.85	1475.45	1467.81
60.0	1522.73	1516.38	1509.95	1503.43	1496.63	1489.61	1482.42	1474.93	1467.21
90.0	1521.18	1514.77	1508.31	1501.64	1494.95	1488.03	1480.61	1472.98	1465.14
120.0	1522.73	1516.38	1509.95	1503.43	1496.63	1489.61	1482.42	1474.93	1467.21
150.0	1523.52	1517.17	1510.77	1504.14	1497.28	1490.20	1482.85	1475.45	1467.81
180.0	1522.64	1516.23	1509.76	1502.98	1496.09	1488.91	1481.39	1473.83	1466.14
210.0	1523.52	1517.17	1510.77	1504.14	1497.28	1490.20	1482.85	1475.45	1467.81
240.0	1522.73	1516.38	1509.95	1503.43	1496.63	1489.61	1482.42	1474.93	1467.21
270.0	1521.18	1514.77	1508.31	1501.64	1494.95	1488.03	1480.61	1472.98	1465.14
300.0	1522.73	1516.38	1509.95	1503.43	1496.63	1489.61	1482.42	1474.93	1467.21
330.0	1523.52	1517.17	1510.77	1504.14	1497.28	1490.20	1482.85	1475.45	1467.81
360.0	1522.64	1516.23	1509.76	1502.98	1496.09	1488.91	1481.39	1473.83	1466.14

C/γ(°)	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0
0.0	1458.11	1449.97	1441.54	1432.88	1423.82	1414.51	1404.84	1394.89	1384.66
30.0	1459.93	1451.95	1443.64	1435.07	1426.18	1416.97	1407.48	1397.74	1387.67
60.0	1459.49	1451.48	1443.23	1434.69	1425.82	1416.65	1407.15	1397.46	1387.36
90.0	1457.37	1449.22	1440.96	1432.28	1423.28	1414.07	1404.40	1394.60	1384.28
120.0	1459.49	1451.48	1443.23	1434.69	1425.82	1416.65	1407.15	1397.46	1387.36
150.0	1459.93	1451.95	1443.64	1435.07	1426.18	1416.97	1407.48	1397.74	1387.67
180.0	1458.11	1449.97	1441.54	1432.88	1423.82	1414.51	1404.84	1394.89	1384.66
210.0	1459.93	1451.95	1443.64	1435.07	1426.18	1416.97	1407.48	1397.74	1387.67
240.0	1459.49	1451.48	1443.23	1434.69	1425.82	1416.65	1407.15	1397.46	1387.36
270.0	1457.37	1449.22	1440.96	1432.28	1423.28	1414.07	1404.40	1394.60	1384.28
300.0	1459.49	1451.48	1443.23	1434.69	1425.82	1416.65	1407.15	1397.46	1387.36
330.0	1459.93	1451.95	1443.64	1435.07	1426.18	1416.97	1407.48	1397.74	1387.67
360.0	1458.11	1449.97	1441.54	1432.88	1423.82	1414.51	1404.84	1394.89	1384.66

C/γ(°)	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
0.0	1373.85	1362.45	1350.50	1337.78	1324.37	1310.10	1294.61	1277.96	1260.19
30.0	1377.12	1366.14	1354.70	1342.65	1330.09	1316.88	1302.80	1287.88	1272.08
60.0	1376.82	1365.90	1354.55	1342.67	1330.26	1317.08	1303.10	1288.31	1272.67
90.0	1373.51	1362.07	1350.64	1338.13	1325.09	1310.90	1295.68	1279.33	1261.96
120.0	1376.82	1365.90	1354.55	1342.67	1330.26	1317.08	1303.10	1288.31	1272.67
150.0	1377.12	1366.14	1354.70	1342.65	1330.09	1316.88	1302.80	1287.88	1272.08
180.0	1373.85	1362.45	1350.50	1337.78	1324.37	1310.10	1294.61	1277.96	1260.19
210.0	1377.12	1366.14	1354.70	1342.65	1330.09	1316.88	1302.80	1287.88	1272.08
240.0	1376.82	1365.90	1354.55	1342.67	1330.26	1317.08	1303.10	1288.31	1272.67
270.0	1373.51	1362.07	1350.64	1338.13	1325.09	1310.90	1295.68	1279.33	1261.96
300.0	1376.82	1365.90	1354.55	1342.67	1330.26	1317.08	1303.10	1288.31	1272.67
330.0	1377.12	1366.14	1354.70	1342.65	1330.09	1316.88	1302.80	1287.88	1272.08
360.0	1373.85	1362.45	1350.50	1337.78	1324.37	1310.10	1294.61	1277.96	1260.19

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	1241.08	1220.32	1198.09	1174.62	1149.64	1123.24	1095.92	1067.75	1038.92
30.0	1255.33	1237.47	1218.38	1198.21	1176.73	1153.99	1130.23	1105.21	1079.05
60.0	1256.11	1238.45	1219.67	1199.73	1178.35	1155.82	1132.36	1107.72	1081.83
90.0	1243.29	1223.10	1201.34	1178.55	1153.69	1127.67	1101.05	1073.52	1045.30
120.0	1256.11	1238.45	1219.67	1199.73	1178.35	1155.82	1132.36	1107.72	1081.83
150.0	1255.33	1237.47	1218.38	1198.21	1176.73	1153.99	1130.23	1105.21	1079.05
180.0	1241.08	1220.32	1198.09	1174.62	1149.64	1123.24	1095.92	1067.75	1038.92
210.0	1255.33	1237.47	1218.38	1198.21	1176.73	1153.99	1130.23	1105.21	1079.05
240.0	1256.11	1238.45	1219.67	1199.73	1178.35	1155.82	1132.36	1107.72	1081.83
270.0	1243.29	1223.10	1201.34	1178.55	1153.69	1127.67	1101.05	1073.52	1045.30
300.0	1256.11	1238.45	1219.67	1199.73	1178.35	1155.82	1132.36	1107.72	1081.83
330.0	1255.33	1237.47	1218.38	1198.21	1176.73	1153.99	1130.23	1105.21	1079.05
360.0	1241.08	1220.32	1198.09	1174.62	1149.64	1123.24	1095.92	1067.75	1038.92

C/γ(°)	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5
0.0	1009.97	981.16	952.46	924.08	896.52	869.87	843.94	818.90	794.91
30.0	1052.08	1024.39	995.77	966.49	936.95	907.23	877.37	847.76	818.62
60.0	1055.17	1027.78	999.29	970.16	940.79	911.07	881.41	851.93	822.73
90.0	1016.87	988.52	960.01	931.92	904.58	877.98	852.34	827.62	803.51
120.0	1055.17	1027.78	999.29	970.16	940.79	911.07	881.41	851.93	822.73
150.0	1052.08	1024.39	995.77	966.49	936.95	907.23	877.37	847.76	818.62
180.0	1009.97	981.16	952.46	924.08	896.52	869.87	843.94	818.90	794.91
210.0	1052.08	1024.39	995.77	966.49	936.95	907.23	877.37	847.76	818.62
240.0	1055.17	1027.78	999.29	970.16	940.79	911.07	881.41	851.93	822.73
270.0	1016.87	988.52	960.01	931.92	904.58	877.98	852.34	827.62	803.51
300.0	1055.17	1027.78	999.29	970.16	940.79	911.07	881.41	851.93	822.73
330.0	1052.08	1024.39	995.77	966.49	936.95	907.23	877.37	847.76	818.62
360.0	1009.97	981.16	952.46	924.08	896.52	869.87	843.94	818.90	794.91

C/γ(°)	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0
0.0	771.48	748.71	726.73	705.42	684.56	663.92	643.68	623.55	603.52
30.0	789.68	761.23	733.66	707.01	681.10	655.89	631.62	608.13	585.41
60.0	793.87	765.41	737.89	711.08	685.10	659.83	635.47	612.00	589.08
90.0	780.20	757.40	735.39	713.78	692.75	672.05	651.48	631.22	610.98
120.0	793.87	765.41	737.89	711.08	685.10	659.83	635.47	612.00	589.08
150.0	789.68	761.23	733.66	707.01	681.10	655.89	631.62	608.13	585.41
180.0	771.48	748.71	726.73	705.42	684.56	663.92	643.68	623.55	603.52
210.0	789.68	761.23	733.66	707.01	681.10	655.89	631.62	608.13	585.41
240.0	793.87	765.41	737.89	711.08	685.10	659.83	635.47	612.00	589.08
270.0	780.20	757.40	735.39	713.78	692.75	672.05	651.48	631.22	610.98
300.0	793.87	765.41	737.89	711.08	685.10	659.83	635.47	612.00	589.08
330.0	789.68	761.23	733.66	707.01	681.10	655.89	631.62	608.13	585.41
360.0	771.48	748.71	726.73	705.42	684.56	663.92	643.68	623.55	603.52

C/γ(°)	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5
0.0	583.89	564.55	545.30	526.28	507.52	488.89	470.56	453.07	436.38
30.0	563.48	542.06	520.96	500.52	481.22	462.59	444.59	427.63	411.51
60.0	567.02	545.43	524.28	503.88	484.44	465.71	447.71	430.50	414.15
90.0	591.11	571.35	551.95	532.89	513.96	495.09	476.56	458.56	441.65
120.0	567.02	545.43	524.28	503.88	484.44	465.71	447.71	430.50	414.15
150.0	563.48	542.06	520.96	500.52	481.22	462.59	444.59	427.63	411.51
180.0	583.89	564.55	545.30	526.28	507.52	488.89	470.56	453.07	436.38
210.0	563.48	542.06	520.96	500.52	481.22	462.59	444.59	427.63	411.51
240.0	567.02	545.43	524.28	503.88	484.44	465.71	447.71	430.50	414.15
270.0	591.11	571.35	551.95	532.89	513.96	495.09	476.56	458.56	441.65
300.0	567.02	545.43	524.28	503.88	484.44	465.71	447.71	430.50	414.15
330.0	563.48	542.06	520.96	500.52	481.22	462.59	444.59	427.63	411.51
360.0	583.89	564.55	545.30	526.28	507.52	488.89	470.56	453.07	436.38

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	420.28	404.93	390.23	376.24	363.04	350.57	338.88	327.96	317.99
30.0	396.06	381.39	367.42	354.13	341.57	329.70	318.40	307.64	297.55
60.0	398.62	383.83	369.80	356.44	343.86	332.01	320.71	309.98	299.84
90.0	425.30	409.85	395.04	380.92	367.68	355.26	343.59	332.69	322.68
120.0	398.62	383.83	369.80	356.44	343.86	332.01	320.71	309.98	299.84
150.0	396.06	381.39	367.42	354.13	341.57	329.70	318.40	307.64	297.55
180.0	420.28	404.93	390.23	376.24	363.04	350.57	338.88	327.96	317.99
210.0	396.06	381.39	367.42	354.13	341.57	329.70	318.40	307.64	297.55
240.0	398.62	383.83	369.80	356.44	343.86	332.01	320.71	309.98	299.84
270.0	425.30	409.85	395.04	380.92	367.68	355.26	343.59	332.69	322.68
300.0	398.62	383.83	369.80	356.44	343.86	332.01	320.71	309.98	299.84
330.0	396.06	381.39	367.42	354.13	341.57	329.70	318.40	307.64	297.55
360.0	420.28	404.93	390.23	376.24	363.04	350.57	338.88	327.96	317.99

C/γ(°)	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5
0.0	308.78	300.33	292.74	285.94	279.80	274.24	269.36	264.98	260.88
30.0	288.06	279.11	270.72	262.83	255.35	248.34	241.86	235.79	230.09
60.0	290.25	281.22	272.77	264.77	257.24	250.18	243.66	237.49	231.65
90.0	313.27	304.74	297.07	290.06	283.82	278.20	273.29	268.81	264.56
120.0	290.25	281.22	272.77	264.77	257.24	250.18	243.66	237.49	231.65
150.0	288.06	279.11	270.72	262.83	255.35	248.34	241.86	235.79	230.09
180.0	308.78	300.33	292.74	285.94	279.80	274.24	269.36	264.98	260.88
210.0	288.06	279.11	270.72	262.83	255.35	248.34	241.86	235.79	230.09
240.0	290.25	281.22	272.77	264.77	257.24	250.18	243.66	237.49	231.65
270.0	313.27	304.74	297.07	290.06	283.82	278.20	273.29	268.81	264.56
300.0	290.25	281.22	272.77	264.77	257.24	250.18	243.66	237.49	231.65
330.0	288.06	279.11	270.72	262.83	255.35	248.34	241.86	235.79	230.09
360.0	308.78	300.33	292.74	285.94	279.80	274.24	269.36	264.98	260.88

C/γ(°)	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0
0.0	257.05	253.52	250.51	247.83	245.32	242.94	240.64	238.31	235.87
30.0	224.73	219.76	215.28	211.21	207.48	204.08	200.95	198.02	195.22
60.0	226.20	221.23	216.73	212.60	208.81	205.37	202.16	199.16	196.28
90.0	260.50	256.98	253.94	251.19	248.57	246.12	243.64	241.19	238.61
120.0	226.20	221.23	216.73	212.60	208.81	205.37	202.16	199.16	196.28
150.0	224.73	219.76	215.28	211.21	207.48	204.08	200.95	198.02	195.22
180.0	257.05	253.52	250.51	247.83	245.32	242.94	240.64	238.31	235.87
210.0	224.73	219.76	215.28	211.21	207.48	204.08	200.95	198.02	195.22
240.0	226.20	221.23	216.73	212.60	208.81	205.37	202.16	199.16	196.28
270.0	260.50	256.98	253.94	251.19	248.57	246.12	243.64	241.19	238.61
300.0	226.20	221.23	216.73	212.60	208.81	205.37	202.16	199.16	196.28
330.0	224.73	219.76	215.28	211.21	207.48	204.08	200.95	198.02	195.22
360.0	257.05	253.52	250.51	247.83	245.32	242.94	240.64	238.31	235.87

C/γ(°)	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
0.0	233.22	230.25	226.93	223.15	218.84	214.02	208.75	203.02	196.92
30.0	192.47	189.69	186.87	183.94	180.85	177.60	174.20	170.64	166.94
60.0	193.45	190.61	187.72	184.72	181.59	178.30	174.89	171.32	167.60
90.0	235.81	232.74	229.28	225.34	220.93	215.99	210.65	204.84	198.62
120.0	193.45	190.61	187.72	184.72	181.59	178.30	174.89	171.32	167.60
150.0	192.47	189.69	186.87	183.94	180.85	177.60	174.20	170.64	166.94
180.0	233.22	230.25	226.93	223.15	218.84	214.02	208.75	203.02	196.92
210.0	192.47	189.69	186.87	183.94	180.85	177.60	174.20	170.64	166.94
240.0	193.45	190.61	187.72	184.72	181.59	178.30	174.89	171.32	167.60
270.0	235.81	232.74	229.28	225.34	220.93	215.99	210.65	204.84	198.62
300.0	193.45	190.61	187.72	184.72	181.59	178.30	174.89	171.32	167.60
330.0	192.47	189.69	186.87	183.94	180.85	177.60	174.20	170.64	166.94
360.0	233.22	230.25	226.93	223.15	218.84	214.02	208.75	203.02	196.92

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	190.65	184.25	177.82	171.55	165.52	159.80	154.43	149.43	144.75
30.0	163.20	159.39	155.53	151.68	147.90	144.15	140.45	136.82	133.22
60.0	163.84	160.02	156.14	152.26	148.42	144.56	140.76	137.05	133.33
90.0	192.25	185.78	179.24	172.83	166.67	160.66	155.07	149.91	144.99
120.0	163.84	160.02	156.14	152.26	148.42	144.56	140.76	137.05	133.33
150.0	163.20	159.39	155.53	151.68	147.90	144.15	140.45	136.82	133.22
180.0	190.65	184.25	177.82	171.55	165.52	159.80	154.43	149.43	144.75
210.0	163.20	159.39	155.53	151.68	147.90	144.15	140.45	136.82	133.22
240.0	163.84	160.02	156.14	152.26	148.42	144.56	140.76	137.05	133.33
270.0	192.25	185.78	179.24	172.83	166.67	160.66	155.07	149.91	144.99
300.0	163.84	160.02	156.14	152.26	148.42	144.56	140.76	137.05	133.33
330.0	163.20	159.39	155.53	151.68	147.90	144.15	140.45	136.82	133.22
360.0	190.65	184.25	177.82	171.55	165.52	159.80	154.43	149.43	144.75
C/γ(°)	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5
0.0	140.36	136.22	132.22	128.28	124.40	120.50	116.53	112.49	108.43
30.0	129.63	126.04	122.41	118.69	114.90	111.02	107.02	102.91	98.75
60.0	129.62	125.91	122.16	118.37	114.50	110.58	106.54	102.40	98.21
90.0	140.37	135.96	131.77	127.68	123.64	119.68	115.63	111.50	107.39
120.0	129.62	125.91	122.16	118.37	114.50	110.58	106.54	102.40	98.21
150.0	129.63	126.04	122.41	118.69	114.90	111.02	107.02	102.91	98.75
180.0	140.36	136.22	132.22	128.28	124.40	120.50	116.53	112.49	108.43
210.0	129.63	126.04	122.41	118.69	114.90	111.02	107.02	102.91	98.75
240.0	129.62	125.91	122.16	118.37	114.50	110.58	106.54	102.40	98.21
270.0	140.37	135.96	131.77	127.68	123.64	119.68	115.63	111.50	107.39
300.0	129.62	125.91	122.16	118.37	114.50	110.58	106.54	102.40	98.21
330.0	129.63	126.04	122.41	118.69	114.90	111.02	107.02	102.91	98.75
360.0	140.36	136.22	132.22	128.28	124.40	120.50	116.53	112.49	108.43
C/γ(°)	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0
0.0	104.33	100.12	95.75	91.19	86.26	80.88	75.05	68.81	62.19
30.0	94.51	90.17	85.71	81.15	76.39	71.35	66.06	60.55	54.86
60.0	93.94	89.55	85.05	80.46	75.67	70.65	65.42	59.96	54.31
90.0	103.21	98.92	94.46	89.88	84.89	79.52	73.83	67.61	61.04
120.0	93.94	89.55	85.05	80.46	75.67	70.65	65.42	59.96	54.31
150.0	94.51	90.17	85.71	81.15	76.39	71.35	66.06	60.55	54.86
180.0	104.33	100.12	95.75	91.19	86.26	80.88	75.05	68.81	62.19
210.0	94.51	90.17	85.71	81.15	76.39	71.35	66.06	60.55	54.86
240.0	93.94	89.55	85.05	80.46	75.67	70.65	65.42	59.96	54.31
270.0	103.21	98.92	94.46	89.88	84.89	79.52	73.83	67.61	61.04
300.0	93.94	89.55	85.05	80.46	75.67	70.65	65.42	59.96	54.31
330.0	94.51	90.17	85.71	81.15	76.39	71.35	66.06	60.55	54.86
360.0	104.33	100.12	95.75	91.19	86.26	80.88	75.05	68.81	62.19
C/γ(°)	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5
0.0	55.33	48.33	41.32	34.48	27.91	21.83	16.28	11.35	7.38
30.0	49.00	43.05	37.07	31.14	25.37	19.88	14.70	10.05	6.40
60.0	48.52	42.64	36.71	30.88	25.14	19.69	14.56	10.00	6.48
90.0	54.27	47.41	40.43	33.75	27.28	21.30	15.87	11.13	7.45
120.0	48.52	42.64	36.71	30.88	25.14	19.69	14.56	10.00	6.48
150.0	49.00	43.05	37.07	31.14	25.37	19.88	14.70	10.05	6.40
180.0	55.33	48.33	41.32	34.48	27.91	21.83	16.28	11.35	7.38
210.0	49.00	43.05	37.07	31.14	25.37	19.88	14.70	10.05	6.40
240.0	48.52	42.64	36.71	30.88	25.14	19.69	14.56	10.00	6.48
270.0	54.27	47.41	40.43	33.75	27.28	21.30	15.87	11.13	7.45
300.0	48.52	42.64	36.71	30.88	25.14	19.69	14.56	10.00	6.48
330.0	49.00	43.05	37.07	31.14	25.37	19.88	14.70	10.05	6.40
360.0	55.33	48.33	41.32	34.48	27.91	21.83	16.28	11.35	7.38

Intensity data(cd)

Appendix Page: 21 Total:21

C/γ(°)	90.0
0.0	1.40
30.0	1.18
60.0	1.65
90.0	4.47
120.0	1.65
150.0	1.18
180.0	1.40
210.0	1.18
240.0	1.65
270.0	4.47
300.0	1.65
330.0	1.18
360.0	1.40