



Bell-Southcn Testing Laboratory(Shenzhen)
www.bell-southcn.com
Email:Marketing@bell-southcn.com
Tel:+86 755 29405577 Fax:+86 755 29405799
Address:No.115,1st Floor,A5 Building,Tianrui Industrial Park,Fuyuan 1st Road,Fuyong,Bao'an District,Shenzhen,China.

Client:

LumCAT: B8907-TBK

Luminaire: INTERGRATED LED

Report No: BSR202210120301-9

Ballast type:

Test No: BSR202210120301-9

Voltage(V): 120.000

LampCAT:

Current(A): 0.076

Lamp flux(lm)

Power (W): 9.151

Number of Lamps: 0

PF: 0.992

Length(mm): 220

Width(mm): 220

Phm Type: C

Height(mm): 590

Photometric Results

Lumens(lm): 451.74, Luminous Efficacy(lm/W): 49.37

Central intensity(cd): 197.753, Maximum intensity(cd): 202.110

Angle of maximum intensity: C=135.0 γ =9.0

Beam Angle(50%Imax): [C0/180]Total=88.3

[C90/270]Total=109.1

Field angle(10%Imax): [C0/180]Total=156.2

[C90/270]Total=148.3

Maximum s/h(1/2): C0_180=51.51 C90_270=59.30

Maximum s/h(1/4): C0_180=56.82 C90_270=60.27

Up flux rate of LUM(%): 5.56%

Down flux rate of LUM(%): 94.56%

CIE Type : Direct lighting

Output flux ratio in π solid angle : 70.847%

Equipment: GMS-1800
Temperature(°C): 25.0

Date: 2022-10-12
Humidity(%): 59.0%

Operator: Liao
Distance(m): 10.62

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	197.753	0.000	0	0.00%	0.00%
1.0	197.831	0.189	0.189	0.04%	0.04%
2.0	197.894	0.568	0.757	0.13%	0.17%
3.0	198.078	0.947	1.704	0.21%	0.38%
4.0	198.310	1.327	3.031	0.29%	0.67%
5.0	198.550	1.707	4.738	0.38%	1.05%
6.0	198.888	2.089	6.827	0.46%	1.51%
7.0	199.198	2.471	9.298	0.55%	2.06%
8.0	199.198	2.851	12.149	0.63%	2.69%
9.0	197.648	3.216	15.365	0.71%	3.40%
10.0	191.557	3.522	18.888	0.78%	4.18%
11.0	174.322	3.656	22.543	0.81%	4.99%
12.0	139.761	3.433	25.977	0.76%	5.75%
13.0	105.460	2.910	28.887	0.64%	6.39%
14.0	81.473	2.393	31.28	0.53%	6.92%
15.0	71.942	2.106	33.386	0.47%	7.39%
16.0	76.031	2.168	35.554	0.48%	7.87%
17.0	80.013	2.430	37.984	0.54%	8.41%
18.0	84.567	2.714	40.698	0.60%	9.01%
19.0	91.828	3.069	43.767	0.68%	9.69%
20.0	100.082	3.512	47.279	0.78%	10.47%
21.0	106.109	3.959	51.238	0.88%	11.34%
22.0	111.565	4.374	55.613	0.97%	12.31%
23.0	117.726	4.811	60.424	1.07%	13.38%
24.0	121.194	5.224	65.647	1.16%	14.53%
25.0	123.062	5.554	71.201	1.23%	15.76%
26.0	122.914	5.806	77.008	1.29%	17.05%
27.0	121.229	5.973	82.981	1.32%	18.37%
28.0	119.248	6.088	89.069	1.35%	19.72%
29.0	118.261	6.214	95.283	1.38%	21.09%
30.0	116.831	6.347	101.63	1.41%	22.50%
31.0	115.470	6.465	108.095	1.43%	23.93%
32.0	113.877	6.571	114.665	1.45%	25.38%
33.0	112.213	6.661	121.326	1.47%	26.86%
34.0	111.205	6.761	128.087	1.50%	28.35%
35.0	110.021	6.870	134.958	1.52%	29.88%
36.0	108.647	6.962	141.92	1.54%	31.42%
37.0	107.195	7.040	148.96	1.56%	32.97%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	105.186	7.089	156.049	1.57%	34.54%
39.0	103.889	7.136	163.185	1.58%	36.12%
40.0	102.718	7.206	170.391	1.60%	37.72%
41.0	101.090	7.258	177.648	1.61%	39.33%
42.0	99.934	7.304	184.952	1.62%	40.94%
43.0	98.863	7.364	192.316	1.63%	42.57%
44.0	98.017	7.431	199.747	1.64%	44.22%
45.0	96.924	7.492	207.238	1.66%	45.88%
46.0	95.352	7.520	214.758	1.66%	47.54%
47.0	94.154	7.537	222.295	1.67%	49.21%
48.0	92.737	7.555	229.85	1.67%	50.88%
49.0	91.045	7.547	237.397	1.67%	52.55%
50.0	89.847	7.542	244.939	1.67%	54.22%
51.0	88.289	7.537	252.476	1.67%	55.89%
52.0	87.091	7.526	260.002	1.67%	57.56%
53.0	85.596	7.512	267.514	1.66%	59.22%
54.0	83.517	7.454	274.967	1.65%	60.87%
55.0	81.896	7.384	282.351	1.63%	62.50%
56.0	79.971	7.314	289.665	1.62%	64.12%
57.0	78.279	7.236	296.901	1.60%	65.72%
58.0	76.630	7.164	304.065	1.59%	67.31%
59.0	74.586	7.069	311.134	1.56%	68.87%
60.0	72.972	6.971	318.105	1.54%	70.42%
61.0	71.153	6.878	324.983	1.52%	71.94%
62.0	68.996	6.753	331.736	1.49%	73.43%
63.0	66.606	6.595	338.331	1.46%	74.89%
64.0	63.758	6.397	344.728	1.42%	76.31%
65.0	61.573	6.203	350.931	1.37%	77.68%
66.0	59.085	6.020	356.951	1.33%	79.02%
67.0	55.476	5.760	362.711	1.28%	80.29%
68.0	52.607	5.475	368.186	1.21%	81.50%
69.0	49.724	5.220	373.407	1.16%	82.66%
70.0	47.278	4.982	378.389	1.10%	83.76%
71.0	44.994	4.769	383.158	1.06%	84.82%
72.0	41.829	4.515	387.672	1.00%	85.82%
73.0	39.038	4.229	391.901	0.94%	86.75%
74.0	35.894	3.939	395.84	0.87%	87.63%
75.0	32.228	3.599	399.44	0.80%	88.42%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	28.971	3.249	402.688	0.72%	89.14%
77.0	25.243	2.890	405.579	0.64%	89.78%
78.0	22.592	2.561	408.139	0.57%	90.35%
79.0	19.617	2.268	410.407	0.50%	90.85%
80.0	16.361	1.940	412.347	0.43%	91.28%
81.0	14.140	1.649	413.996	0.37%	91.64%
82.0	12.209	1.429	415.425	0.32%	91.96%
83.0	11.166	1.271	416.696	0.28%	92.24%
84.0	10.616	1.187	417.883	0.26%	92.50%
85.0	10.129	1.132	419.015	0.25%	92.76%
86.0	9.749	1.087	420.101	0.24%	93.00%
87.0	9.382	1.047	421.148	0.23%	93.23%
88.0	9.016	1.008	422.156	0.22%	93.45%
89.0	8.635	0.967	423.124	0.21%	93.66%
90.0	8.254	0.926	424.05	0.20%	93.87%
91.0	7.994	0.891	424.941	0.20%	94.07%
92.0	7.775	0.864	425.805	0.19%	94.26%
93.0	7.557	0.840	426.645	0.19%	94.44%
94.0	7.380	0.817	427.462	0.18%	94.63%
95.0	7.211	0.798	428.26	0.18%	94.80%
96.0	7.049	0.778	429.038	0.17%	94.97%
97.0	6.887	0.759	429.797	0.17%	95.14%
98.0	6.725	0.740	430.537	0.16%	95.31%
99.0	6.591	0.722	431.259	0.16%	95.47%
100.0	6.478	0.707	431.966	0.16%	95.62%
101.0	6.323	0.690	432.656	0.15%	95.78%
102.0	6.224	0.674	433.33	0.15%	95.92%
103.0	6.083	0.659	433.989	0.15%	96.07%
104.0	5.978	0.643	434.632	0.14%	96.21%
105.0	5.851	0.628	435.26	0.14%	96.35%
106.0	5.731	0.612	435.872	0.14%	96.49%
107.0	5.639	0.598	436.47	0.13%	96.62%
108.0	5.519	0.584	437.053	0.13%	96.75%
109.0	5.442	0.570	437.623	0.13%	96.87%
110.0	5.343	0.557	438.181	0.12%	97.00%
111.0	5.195	0.541	438.722	0.12%	97.12%
112.0	5.103	0.525	439.247	0.12%	97.23%
113.0	5.026	0.513	439.76	0.11%	97.35%

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	4.906	0.499	440.26	0.11%	97.46%
115.0	4.822	0.485	440.745	0.11%	97.57%
116.0	4.709	0.472	441.217	0.10%	97.67%
117.0	4.617	0.458	441.674	0.10%	97.77%
118.0	4.511	0.444	442.118	0.10%	97.87%
119.0	4.420	0.430	442.549	0.10%	97.96%
120.0	4.349	0.418	442.967	0.09%	98.06%
121.0	4.236	0.406	443.373	0.09%	98.15%
122.0	4.180	0.393	443.766	0.09%	98.23%
123.0	4.103	0.383	444.149	0.08%	98.32%
124.0	3.990	0.370	444.519	0.08%	98.40%
125.0	3.891	0.356	444.875	0.08%	98.48%
126.0	3.842	0.345	445.221	0.08%	98.56%
127.0	3.736	0.334	445.555	0.07%	98.63%
128.0	3.680	0.323	445.877	0.07%	98.70%
129.0	3.581	0.312	446.189	0.07%	98.77%
130.0	3.482	0.299	446.488	0.07%	98.84%
131.0	3.426	0.288	446.776	0.06%	98.90%
132.0	3.348	0.278	447.054	0.06%	98.96%
133.0	3.236	0.266	447.32	0.06%	99.02%
134.0	3.172	0.255	447.575	0.06%	99.08%
135.0	3.066	0.244	447.819	0.05%	99.13%
136.0	3.038	0.235	448.053	0.05%	99.18%
137.0	2.918	0.225	448.278	0.05%	99.23%
138.0	2.855	0.214	448.492	0.05%	99.28%
139.0	2.791	0.205	448.697	0.05%	99.33%
140.0	2.728	0.197	448.894	0.04%	99.37%
141.0	2.636	0.187	449.081	0.04%	99.41%
142.0	2.545	0.177	449.258	0.04%	99.45%
143.0	2.524	0.169	449.427	0.04%	99.49%
144.0	2.474	0.163	449.59	0.04%	99.52%
145.0	2.404	0.155	449.745	0.03%	99.56%
146.0	2.305	0.146	449.891	0.03%	99.59%
147.0	2.277	0.139	450.03	0.03%	99.62%
148.0	2.199	0.132	450.162	0.03%	99.65%
149.0	2.150	0.125	450.286	0.03%	99.68%
150.0	2.072	0.118	450.404	0.03%	99.70%
151.0	2.030	0.111	450.515	0.02%	99.73%

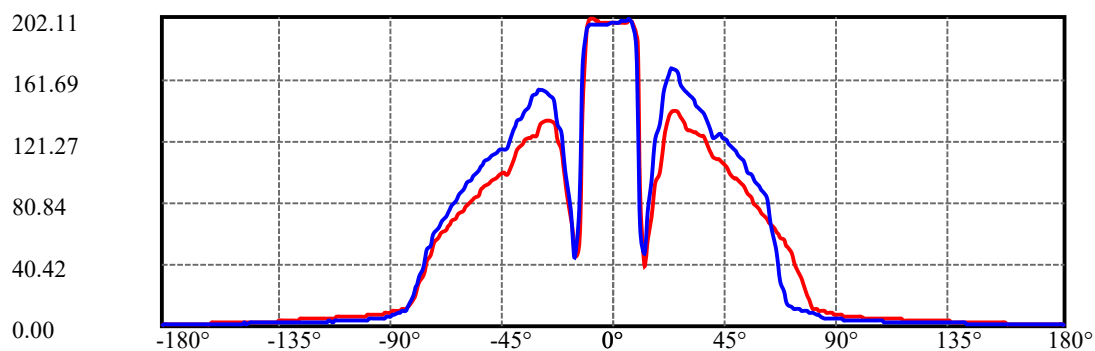
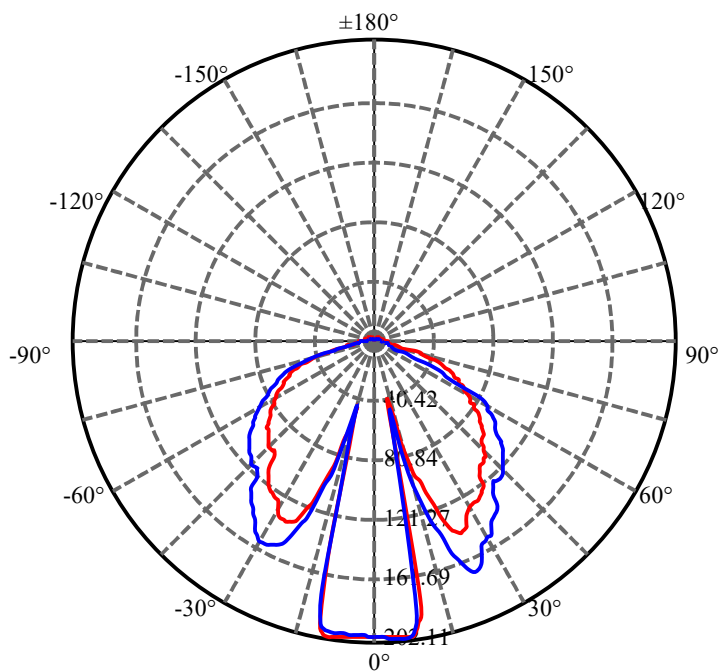
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	1.967	0.105	450.619	0.02%	99.75%
153.0	1.910	0.098	450.717	0.02%	99.77%
154.0	1.847	0.092	450.809	0.02%	99.79%
155.0	1.819	0.087	450.896	0.02%	99.81%
156.0	1.776	0.082	450.978	0.02%	99.83%
157.0	1.706	0.076	451.054	0.02%	99.85%
158.0	1.664	0.071	451.124	0.02%	99.86%
159.0	1.600	0.066	451.19	0.01%	99.88%
160.0	1.551	0.061	451.251	0.01%	99.89%
161.0	1.501	0.056	451.306	0.01%	99.90%
162.0	1.438	0.051	451.358	0.01%	99.91%
163.0	1.410	0.047	451.404	0.01%	99.93%
164.0	1.346	0.043	451.447	0.01%	99.93%
165.0	1.318	0.039	451.486	0.01%	99.94%
166.0	1.276	0.036	451.522	0.01%	99.95%
167.0	1.248	0.032	451.554	0.01%	99.96%
168.0	1.205	0.029	451.583	0.01%	99.96%
169.0	1.170	0.026	451.609	0.01%	99.97%
170.0	1.177	0.023	451.633	0.01%	99.98%
171.0	1.156	0.021	451.654	0.00%	99.98%
172.0	1.142	0.019	451.673	0.00%	99.98%
173.0	1.156	0.016	451.689	0.00%	99.99%
174.0	1.128	0.014	451.703	0.00%	99.99%
175.0	1.135	0.012	451.715	0.00%	99.99%
176.0	1.142	0.010	451.725	0.00%	100.00%
177.0	1.128	0.008	451.733	0.00%	100.00%
178.0	1.128	0.005	451.738	0.00%	100.00%
179.0	1.156	0.003	451.741	0.00%	100.00%
180.0	0.000	0.001	451.742	0.00%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	101.63	22.50%
0-40	170.39	37.72%
0-60	318.11	70.42%
0-90	424.05	93.87%
0-120	442.97	98.06%
0-180	451.74	100.00%
60-90	105.94	23.45%
90-120	18.92	4.19%
90-130	22.44	4.97%
90-150	26.35	5.83%
90-180	27.69	6.13%
0-66.77	361.39	80.00%

ZONAL LUMEN SUMMARY

0-10	18.89
10-20	28.39
20-30	54.35
30-40	68.76
40-50	74.55
50-60	73.17
60-70	60.28
70-80	33.96
80-90	11.70
90-100	7.92
100-110	6.21
110-120	4.79
120-130	3.52
130-140	2.41
140-150	1.51
150-160	0.85
160-170	0.38
170-180	0.11



C0/C180: ————

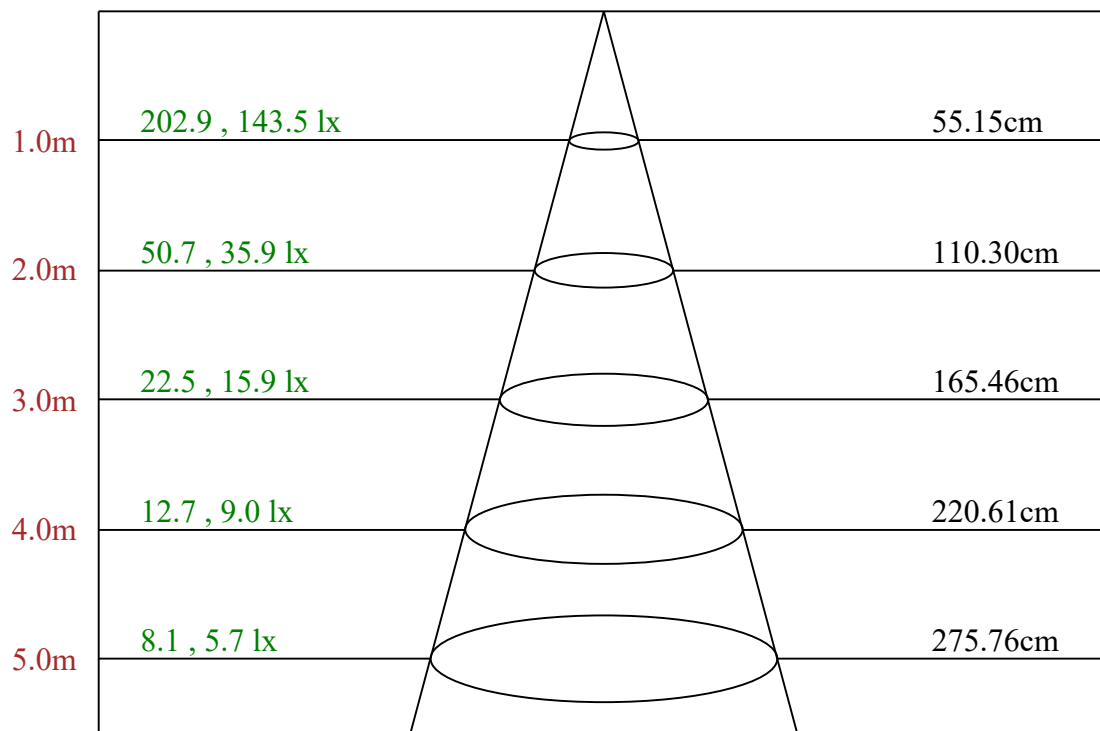
C90/C270: ————

Field angle(10%Imax):C0/180Left:88.2 Right:70.2

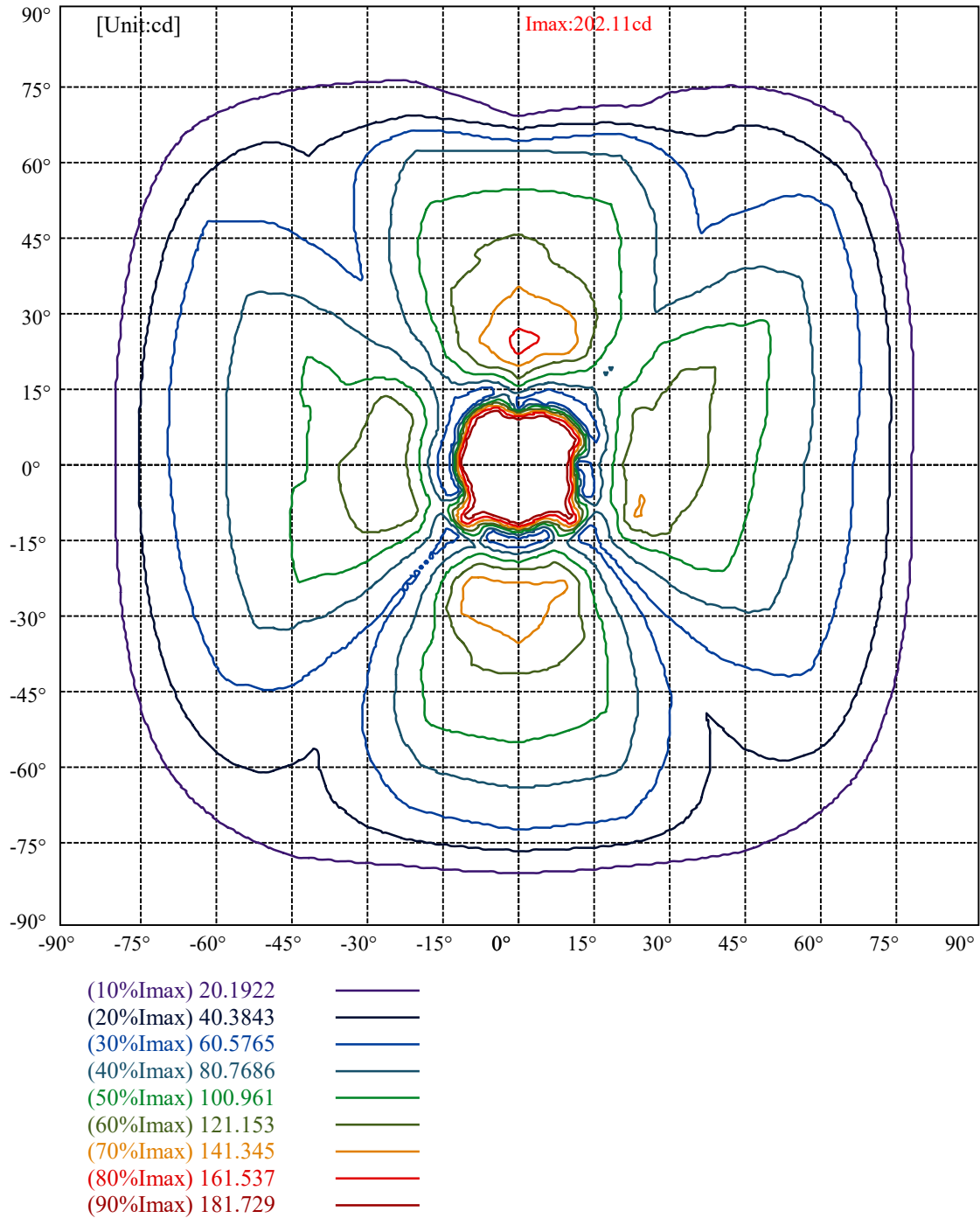
:C90/270Left:87.2 Right:61.2

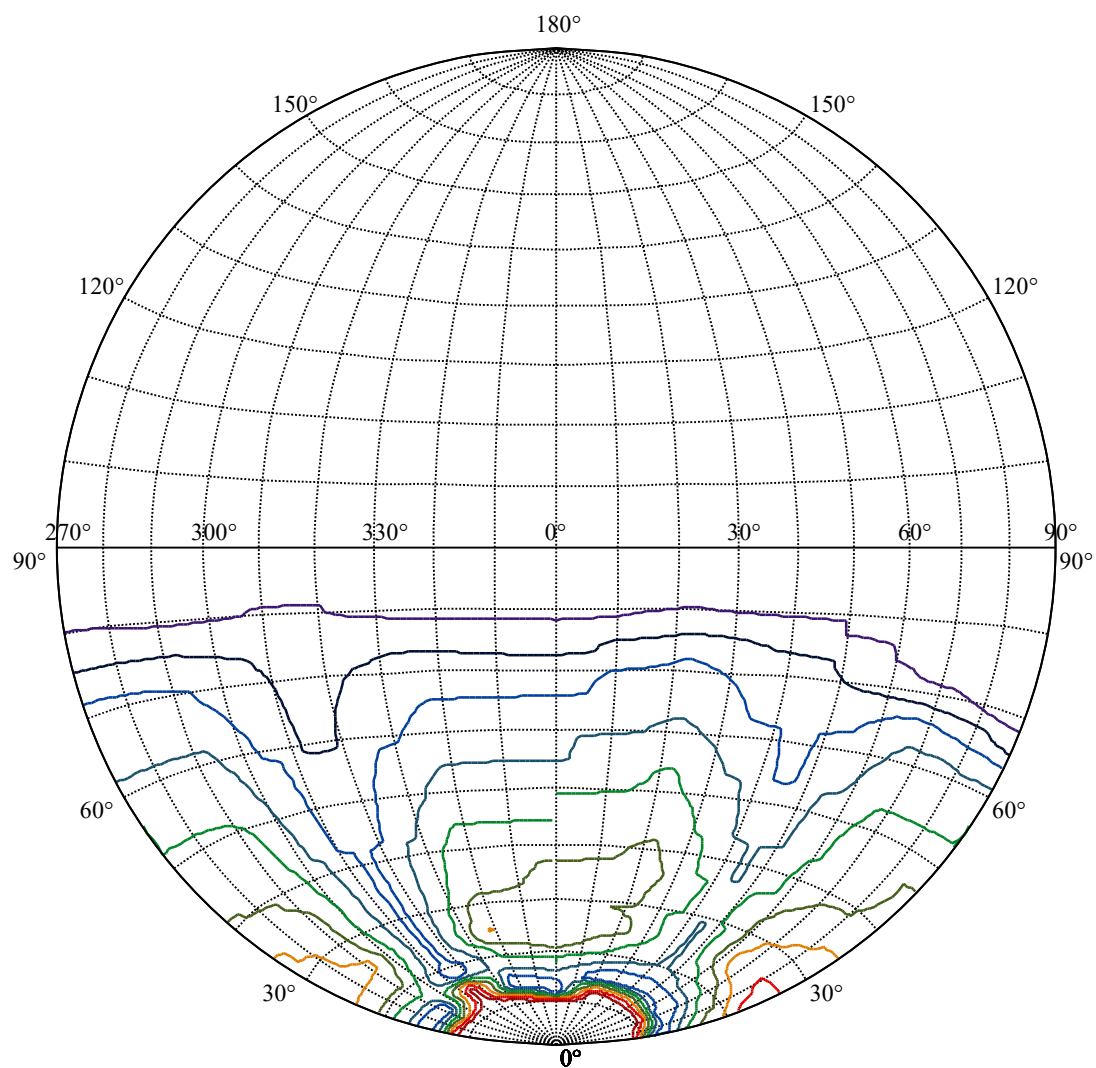
Beam Angle(50%Imax):C0/180Left:55.0 Right:41.0

:C90/270Left:63.0 Right:49.0



Max , Ave Beam angle of C135 plane 30.83





House

[Unit:cd]

Road

Imax:202.11

(10%Imax) 20.3012

(20%Imax) 40.6024

(30%Imax) 60.9036

(40%Imax) 81.2048

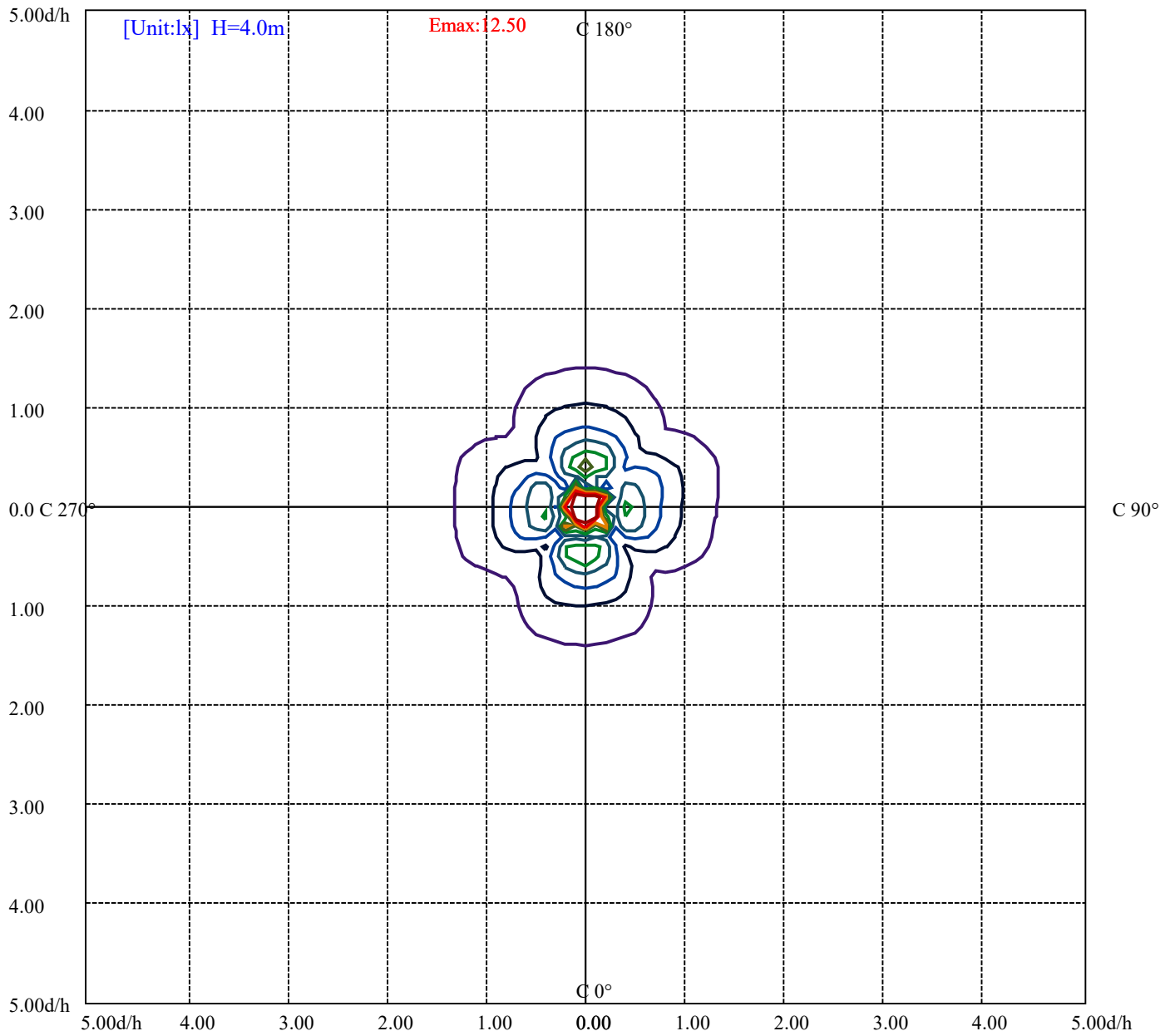
(50%Imax) 101.506

(60%Imax) 121.807

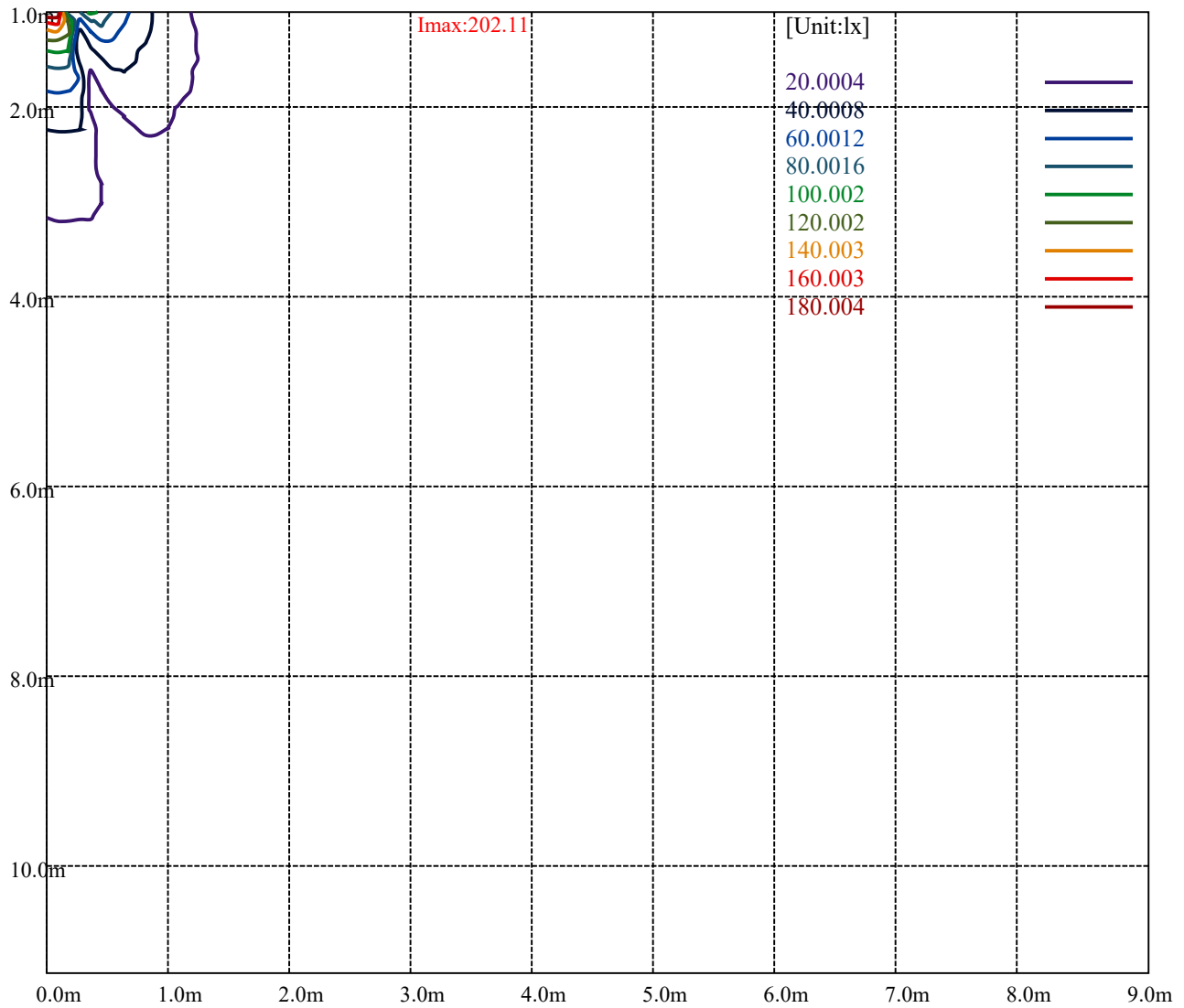
(70%Imax) 142.108

(80%Imax) 162.41

(90%Imax) 182.711



(10%Emax)	1.250025	—
(20%Emax)	2.500044	—
(30%Emax)	3.750069	—
(40%Emax)	5.000088	—
(50%Emax)	6.250125	—
(60%Emax)	7.500125	—
(70%Emax)	8.750188	—
(80%Emax)	10.00019	—
(90%Emax)	11.25019	—



Luminance Table

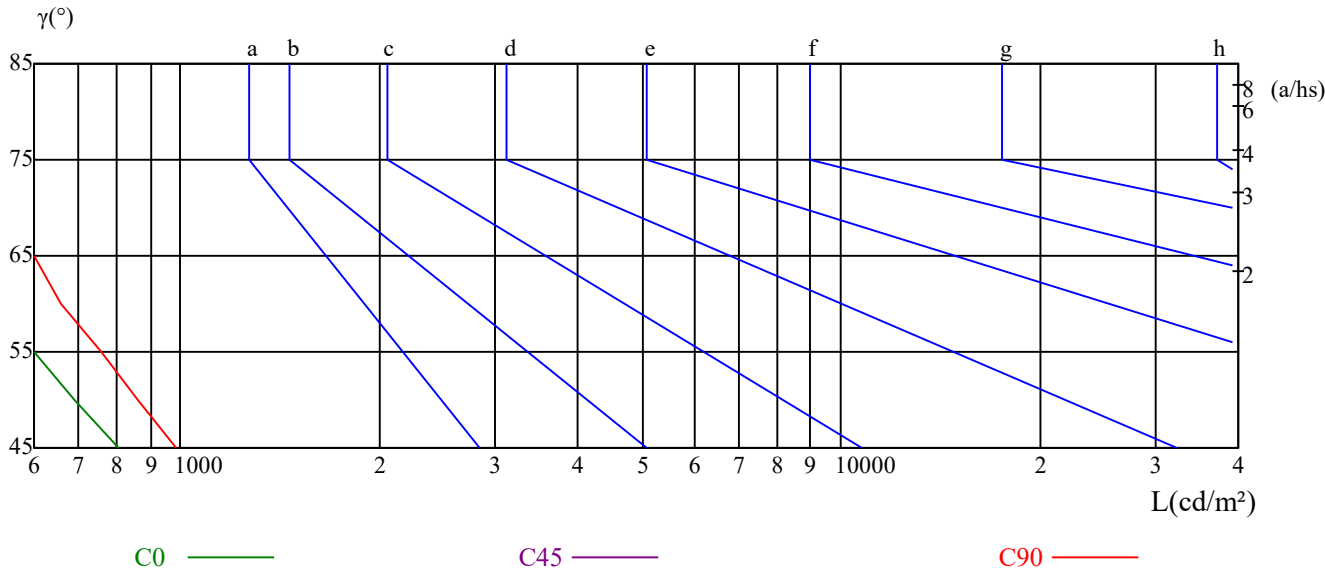
γ	45	50	55	60	65	70	75	80	85
C0	806	691	589	495	490	407	245	83	84
C45	413	394	317	308	241	239	178	60	60
C90	985	864	757	660	327	81	82	83	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3308	3033	1930	2701	2251	2476	2674	1337	2674

Glare Table

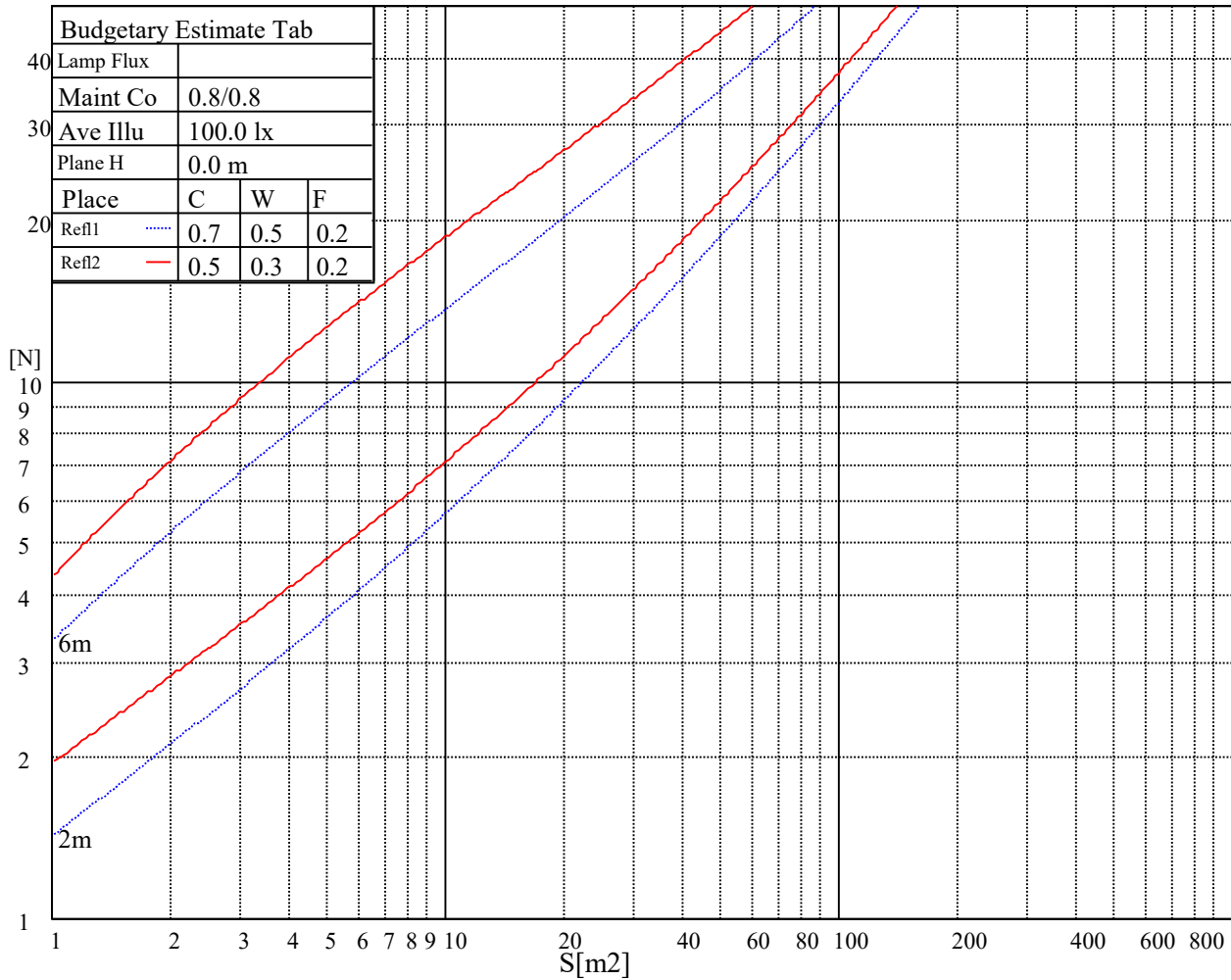
Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

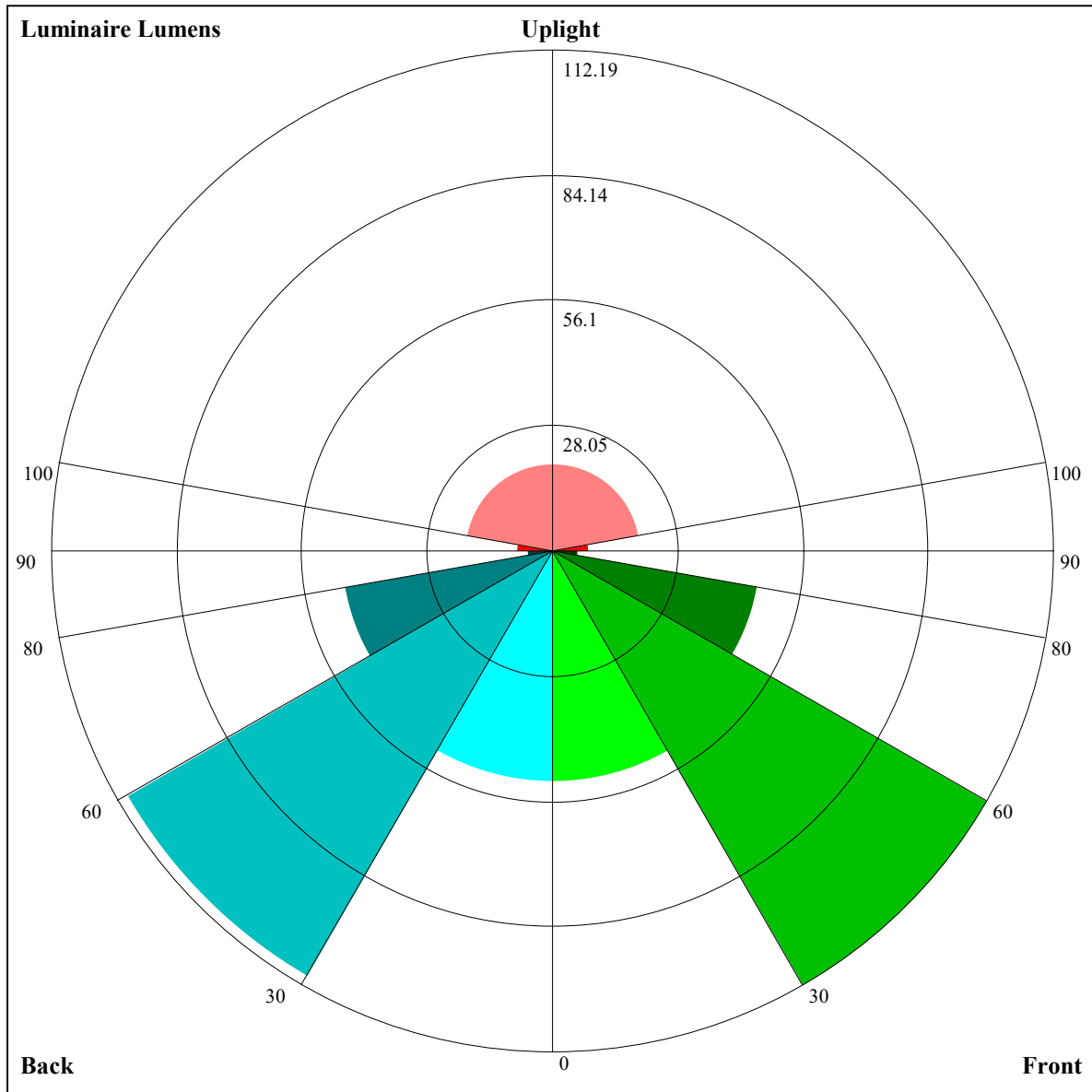


Illumination assessment according UGR											
Rf of Ceiling		70	70	50	50	30	70	70	50	50	30
Rf of Wall		50	30	50	30	30	50	30	50	30	30
Rf of Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	9.85	11.40	10.30	11.84	12.30	10.08	11.63	10.53	12.07	12.53
	3H	11.68	13.09	12.15	13.55	14.04	10.73	12.14	11.20	12.60	13.09
	4H	12.18	13.51	12.67	13.99	14.49	10.72	12.05	11.21	12.52	13.03
	6H	12.34	13.58	12.83	14.06	14.60	10.74	11.98	11.24	12.46	13.00
	8H	12.32	13.52	12.82	14.01	14.55	10.71	11.91	11.21	12.40	12.94
	12H	12.30	13.46	12.81	13.95	14.50	10.68	11.83	11.19	12.33	12.88
4H	2H	10.31	11.64	10.79	12.11	12.62	10.48	11.81	10.97	12.28	12.79
	3H	12.42	13.56	12.92	14.06	14.61	11.24	12.38	11.74	12.88	13.43
	4H	13.16	14.18	13.68	14.70	15.28	11.32	12.34	11.84	12.86	13.44
	6H	13.37	14.29	13.92	14.83	15.41	11.34	12.25	11.89	12.80	13.37
	8H	13.40	14.26	13.96	14.81	15.40	11.35	12.21	11.92	12.76	13.35
	12H	13.43	14.22	14.00	14.77	15.40	11.37	12.16	11.94	12.71	13.34
8H	4H	13.24	14.09	13.80	14.64	15.24	11.57	12.43	12.13	12.98	13.57
	6H	13.53	14.25	14.11	14.81	15.45	11.63	12.35	12.21	12.92	13.55
	8H	13.64	14.27	14.24	14.87	15.49	11.73	12.35	12.33	12.96	13.58
	12H	13.69	14.23	14.30	14.83	15.47	11.77	12.30	12.37	12.91	13.55
12H	4H	13.22	14.02	13.79	14.56	15.19	11.59	12.38	12.15	12.93	13.56
	6H	13.57	14.19	14.16	14.80	15.42	11.71	12.33	12.30	12.94	13.56
	8H	13.64	14.17	14.25	14.78	15.42	11.77	12.30	12.38	12.91	13.55
Variation with the observer position at spacings:											
S = 1.0H		0.6/-0.7					0.4/-0.6				
S = 1.5H		0.8/-0.8					0.7/-0.9				
S = 2.0H		2.1/-2.9					1.0/-1.2				
Standard tables:		BK2					BK3				
Uncorrected UGR		-5.9					-4.6				

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



RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	0.97	0.97	0.97	0.95
1	1.02	0.97	0.93	0.99	0.95	0.91	0.94	0.90	0.87	0.89	0.86	0.83	0.84	0.82	0.80	0.77
2	0.88	0.81	0.75	0.85	0.79	0.73	0.81	0.76	0.71	0.77	0.72	0.68	0.73	0.69	0.66	0.64
3	0.77	0.68	0.61	0.75	0.67	0.60	0.71	0.64	0.59	0.67	0.62	0.57	0.64	0.59	0.55	0.53
4	0.67	0.58	0.51	0.66	0.57	0.51	0.63	0.55	0.49	0.60	0.53	0.48	0.57	0.51	0.47	0.45
5	0.60	0.51	0.44	0.59	0.50	0.43	0.56	0.48	0.42	0.53	0.47	0.41	0.51	0.45	0.41	0.38
6	0.54	0.45	0.38	0.53	0.44	0.38	0.50	0.43	0.37	0.48	0.41	0.36	0.46	0.40	0.35	0.33
7	0.49	0.40	0.33	0.48	0.39	0.33	0.46	0.38	0.32	0.44	0.37	0.32	0.42	0.36	0.31	0.29
8	0.44	0.36	0.30	0.43	0.35	0.29	0.42	0.34	0.29	0.40	0.33	0.28	0.38	0.32	0.28	0.26
9	0.41	0.32	0.27	0.40	0.32	0.26	0.38	0.31	0.26	0.37	0.30	0.26	0.35	0.29	0.25	0.23
10	0.37	0.29	0.24	0.37	0.29	0.24	0.35	0.28	0.24	0.34	0.28	0.23	0.33	0.27	0.23	0.21



Luminaire Lumens:

FL=51.77,FM=112.19,FH=46.48,FVH=5.56

BL=51.63,BM=110.12,BH=47.18,BVH=5.9

UL=7.93,UH=19.79

BUG Rating:B0-U2-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	197.75	197.82	198.05	198.16	198.39	198.61	199.06	199.18	198.27
22.5	197.75	197.94	197.94	198.05	198.27	198.84	199.40	199.74	200.31
45.0	197.75	198.16	198.39	198.73	199.29	199.63	200.53	201.32	201.66
67.5	197.75	197.94	198.16	198.50	198.84	199.18	199.40	200.19	200.31
90.0	197.75	198.27	198.73	199.29	199.63	199.97	200.64	199.18	196.92
112.5	197.75	197.71	198.16	198.61	199.18	199.63	199.85	200.42	200.98
135.0	197.75	198.39	198.61	198.95	199.40	199.97	200.64	201.43	201.77
157.5	197.75	197.49	197.82	198.05	198.61	198.95	199.29	200.08	200.53
180.0	197.75	197.94	198.05	198.50	198.50	198.95	199.29	199.85	200.42
202.5	197.75	198.16	198.16	198.27	198.73	198.73	199.18	199.63	199.52
225.0	197.75	197.94	197.94	197.94	197.94	198.16	198.39	198.50	198.61
247.5	197.75	197.60	197.60	197.60	197.71	197.71	197.71	197.94	198.05
270.0	197.75	197.82	197.37	197.37	197.26	197.26	197.26	197.26	197.26
292.5	197.75	197.26	197.15	197.15	197.03	196.92	197.03	197.15	197.15
315.0	197.75	197.60	197.26	197.15	197.03	197.03	197.03	197.26	197.26
337.5	197.75	197.26	196.92	196.92	197.15	197.26	197.49	198.05	198.16
360.0	197.75	197.82	198.05	198.16	198.39	198.61	199.06	199.18	198.27
C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	191.28	175.49	88.42	42.97	43.87	56.05	71.17	83.80	94.29
22.5	200.53	200.76	199.40	191.85	154.18	116.73	55.60	51.43	58.20
45.0	201.77	200.31	195.34	168.27	140.19	87.07	52.33	48.05	57.86
67.5	199.52	194.44	171.66	111.32	55.60	43.65	48.16	60.79	76.24
90.0	182.49	128.57	65.41	47.60	55.60	75.34	95.87	111.21	123.05
112.5	201.43	200.64	196.47	178.20	123.50	86.05	48.84	53.69	68.01
135.0	202.11	201.55	199.18	184.52	163.09	89.44	51.66	48.50	53.23
157.5	200.08	197.26	191.17	137.15	74.44	48.38	53.80	66.20	79.06
180.0	200.53	198.50	189.03	139.51	72.97	50.64	46.35	61.69	69.81
202.5	197.82	190.61	154.85	80.98	56.28	46.92	55.94	69.25	85.15
225.0	198.84	199.29	199.63	199.63	198.27	196.47	187.90	158.12	99.48
247.5	197.37	195.00	187.00	135.00	95.53	51.43	48.50	60.23	78.27
270.0	197.15	195.68	191.85	168.73	105.23	68.69	45.23	56.39	75.00
292.5	196.02	192.97	179.89	119.10	82.45	48.84	51.88	70.83	88.87
315.0	197.49	197.82	197.94	197.94	195.91	194.21	186.21	155.87	96.32
337.5	197.94	196.02	181.92	133.42	70.26	43.65	51.66	60.45	77.37
360.0	191.28	175.49	88.42	42.97	43.87	56.05	71.17	83.80	94.29
C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	98.80	106.92	116.17	126.66	136.24	138.84	140.87	140.53	139.63
22.5	72.18	86.96	94.96	100.60	104.10	112.45	120.12	124.85	124.40
45.0	63.05	70.38	76.69	80.64	80.64	79.85	79.29	79.06	79.51
67.5	90.90	98.24	108.27	113.91	122.71	138.72	149.21	154.40	155.08
90.0	129.93	137.60	150.57	157.00	164.21	167.60	168.73	166.92	164.21
112.5	85.94	96.54	113.01	120.45	123.05	125.98	128.24	134.78	134.44
135.0	60.45	65.75	68.46	69.14	70.04	71.05	72.29	72.97	72.75
157.5	90.11	95.53	104.33	111.77	119.66	125.30	127.11	129.03	129.70
180.0	85.04	95.87	105.57	115.60	121.47	130.15	133.09	134.21	134.66
202.5	91.81	104.44	109.06	116.96	127.45	133.54	134.44	131.51	130.38
225.0	56.84	48.27	51.88	54.70	55.49	56.05	56.84	57.97	58.87
247.5	87.41	105.23	118.09	123.72	132.07	139.51	145.83	151.58	152.60
270.0	93.05	101.62	114.25	126.66	132.18	140.98	148.31	151.24	152.37
292.5	102.18	110.98	119.78	123.16	128.46	134.55	140.19	143.35	143.01
315.0	53.23	45.23	47.82	52.22	54.93	55.38	54.93	53.80	53.69
337.5	92.14	99.70	102.41	104.55	112.33	133.65	139.63	142.79	141.32
360.0	98.80	106.92	116.17	126.66	136.24	138.84	140.87	140.53	139.63

Intensity data(cd)

Appendix Page: 20 Total:25

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	136.81	132.97	129.70	127.90	127.67	127.22	126.66	125.75	124.63
22.5	122.71	120.23	120.79	122.37	123.84	124.18	125.42	127.22	128.24
45.0	80.42	81.54	83.01	84.93	85.27	84.59	84.59	84.93	85.72
67.5	153.50	147.97	144.36	141.88	140.30	139.40	135.34	131.39	128.80
90.0	158.80	154.06	153.27	152.15	151.24	147.63	144.14	142.79	140.87
112.5	133.09	131.17	129.81	128.35	126.77	125.87	124.97	124.51	123.61
135.0	71.17	68.91	68.12	68.69	69.93	71.39	71.84	71.39	70.60
157.5	130.04	130.04	129.14	123.16	117.97	114.93	110.08	106.81	103.76
180.0	134.66	133.65	132.07	128.46	124.85	123.72	123.61	122.82	121.92
202.5	129.36	128.35	126.88	124.06	122.71	121.24	120.90	120.79	120.34
225.0	58.76	57.86	57.52	57.63	57.86	58.08	57.75	57.18	56.84
247.5	150.45	146.73	144.70	143.69	142.33	134.66	128.01	124.97	121.24
270.0	153.05	154.63	154.97	154.51	152.37	150.57	146.62	143.69	140.98
292.5	136.92	130.83	129.48	126.54	124.97	123.50	123.16	123.16	122.26
315.0	54.14	55.15	55.15	54.93	54.47	54.25	54.02	54.02	54.14
337.5	135.79	133.88	133.20	130.04	124.97	120.79	118.31	117.86	116.39
360.0	136.81	132.97	129.70	127.90	127.67	127.22	126.66	125.75	124.63
C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	123.72	121.69	115.60	112.56	109.85	109.51	109.29	107.93	106.92
22.5	129.48	129.14	127.67	125.75	124.85	123.50	121.47	120.45	119.21
45.0	85.49	83.91	81.32	80.42	79.06	77.71	76.36	74.21	73.20
67.5	124.06	121.24	119.89	118.87	118.54	116.96	115.27	113.80	112.78
90.0	139.63	137.15	129.93	126.21	123.39	123.95	125.08	124.97	123.50
112.5	122.26	120.12	119.10	118.76	118.87	118.76	118.31	117.30	115.94
135.0	69.93	69.25	68.01	67.45	65.87	64.17	63.50	62.60	62.14
157.5	101.39	100.72	100.60	101.17	101.73	102.07	102.07	101.96	101.73
180.0	119.55	117.41	115.04	111.54	108.39	101.73	99.48	99.70	99.93
202.5	119.66	117.63	115.49	114.48	112.78	110.98	108.50	106.47	105.45
225.0	57.07	57.41	57.86	57.75	57.41	56.73	55.72	54.47	53.69
247.5	118.65	116.84	115.83	115.94	117.41	118.42	118.31	117.07	116.62
270.0	138.16	136.13	133.88	130.60	128.01	120.57	116.73	115.72	116.06
292.5	121.02	119.21	116.84	116.06	114.48	113.01	111.54	110.42	109.40
315.0	54.14	53.91	53.35	52.67	52.22	51.54	50.98	50.19	49.40
337.5	114.14	113.35	112.56	111.99	110.64	107.82	106.36	104.55	102.30
360.0	123.72	121.69	115.60	112.56	109.85	109.51	109.29	107.93	106.92
C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	104.66	101.84	99.25	97.22	96.54	95.64	92.82	91.69	89.44
22.5	117.97	116.51	114.36	112.67	109.40	107.03	105.57	104.21	103.87
45.0	71.17	68.23	67.22	65.98	65.30	64.63	63.84	63.27	62.37
67.5	112.45	112.11	111.43	110.19	108.39	106.69	104.89	103.08	101.84
90.0	121.47	119.33	118.09	116.06	113.91	111.88	108.95	107.71	103.87
112.5	115.04	113.69	112.56	111.21	108.72	107.71	105.00	102.30	101.39
135.0	61.24	59.78	58.99	57.52	56.50	55.72	54.59	54.14	52.90
157.5	101.51	100.72	99.81	98.57	97.56	97.11	96.32	95.30	93.50
180.0	99.48	98.24	96.66	95.64	93.95	93.05	92.14	90.11	89.10
202.5	104.33	103.20	102.52	100.94	98.46	96.09	94.40	93.95	92.48
225.0	53.46	52.67	51.88	51.20	49.40	48.16	47.37	46.81	46.58
247.5	114.48	111.77	110.30	108.50	107.26	106.36	104.33	103.20	100.72
270.0	115.94	114.70	112.90	111.99	110.64	109.29	107.71	105.68	104.55
292.5	108.39	106.81	105.90	104.33	102.86	101.62	100.04	99.25	96.77
315.0	49.06	48.84	48.72	48.38	47.93	47.60	47.03	46.81	46.35
337.5	100.15	97.22	95.87	93.39	89.89	88.99	87.63	85.94	83.80
360.0	104.66	101.84	99.25	97.22	96.54	95.64	92.82	91.69	89.44

Intensity data(cd)

Appendix Page: 21 Total:25

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	86.96	84.14	80.64	79.17	76.58	74.44	72.29	69.81	67.90
22.5	102.18	100.04	97.78	94.51	93.39	90.23	86.73	85.27	82.56
45.0	61.35	60.34	58.99	58.42	56.73	55.26	54.59	53.35	51.88
67.5	99.25	96.88	94.63	92.48	91.24	88.20	86.05	84.59	82.11
90.0	100.94	99.59	97.22	94.51	91.92	89.21	87.52	83.57	76.92
112.5	99.25	97.67	95.98	94.06	92.93	90.79	89.10	87.18	85.15
135.0	52.56	51.77	50.87	50.08	49.06	48.27	47.82	47.03	46.58
157.5	91.13	89.89	87.63	85.38	84.36	82.22	80.53	78.39	76.13
180.0	85.94	84.25	83.23	80.98	79.06	77.37	75.68	74.66	72.41
202.5	90.11	87.41	84.36	83.12	80.98	78.61	76.47	73.76	72.18
225.0	46.24	46.02	45.90	45.79	45.34	45.11	44.10	43.31	41.96
247.5	98.12	95.53	92.82	91.13	86.62	83.35	81.88	80.19	78.50
270.0	101.73	99.36	97.45	95.30	94.29	91.92	89.33	86.73	83.91
292.5	94.06	93.39	91.47	90.00	88.54	86.51	85.27	83.01	80.75
315.0	44.89	43.42	41.84	40.72	40.26	39.47	39.02	38.46	37.67
337.5	81.54	80.64	78.72	76.81	74.78	72.41	71.17	69.14	67.33
360.0	86.96	84.14	80.64	79.17	76.58	74.44	72.29	69.81	67.90
C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	65.98	63.50	62.03	59.66	57.63	55.94	53.12	51.32	47.48
22.5	80.53	78.61	76.92	75.68	73.20	71.39	69.25	66.99	64.17
45.0	50.30	48.61	47.82	47.03	46.13	45.23	44.32	43.65	43.20
67.5	79.51	75.79	69.93	65.08	54.02	44.89	35.75	27.63	23.57
90.0	67.11	54.93	49.06	38.91	29.44	22.22	16.47	13.53	12.18
112.5	82.22	79.51	75.45	71.84	62.26	53.91	46.81	39.93	35.87
135.0	45.90	44.55	43.76	42.29	40.94	40.60	39.47	38.23	36.99
157.5	74.89	72.75	70.72	68.80	66.54	64.74	63.16	61.69	60.68
180.0	70.83	69.14	67.11	65.87	62.71	61.13	60.11	57.52	55.04
202.5	68.80	65.98	64.51	62.26	59.66	57.41	54.70	53.35	51.09
225.0	40.94	40.15	39.36	38.91	37.90	37.22	36.32	35.19	34.51
247.5	76.02	72.29	70.60	68.01	65.64	63.16	59.78	58.20	54.25
270.0	81.43	78.84	76.36	74.66	71.51	69.02	66.43	63.72	62.03
292.5	78.27	75.34	73.87	71.28	68.69	65.64	63.61	62.26	58.42
315.0	37.11	36.09	35.75	35.64	34.74	33.95	32.93	31.92	31.47
337.5	65.87	64.06	61.92	59.44	56.62	55.26	53.35	51.32	48.95
360.0	65.98	63.50	62.03	59.66	57.63	55.94	53.12	51.32	47.48
C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	43.08	38.57	33.61	31.35	27.41	20.30	17.71	14.10	11.62
22.5	61.35	57.97	55.04	47.71	41.62	36.32	31.24	28.42	22.44
45.0	41.17	40.15	37.78	33.84	28.87	24.14	22.11	18.95	16.02
67.5	17.71	14.77	13.42	12.63	12.18	11.73	11.28	11.05	10.49
90.0	11.50	11.28	10.71	10.38	10.04	9.47	9.36	8.91	8.35
112.5	29.66	26.28	24.14	22.11	20.98	18.72	16.47	15.56	13.87
135.0	35.30	34.17	32.14	29.78	26.05	22.78	20.87	17.14	14.32
157.5	57.29	52.56	46.47	40.04	36.65	31.24	27.18	23.23	19.40
180.0	51.43	46.47	43.08	36.88	32.48	28.65	24.93	20.19	17.93
202.5	48.27	44.66	39.81	35.75	32.26	28.08	25.83	21.88	18.05
225.0	33.38	31.81	31.13	29.66	28.31	27.07	25.38	24.14	21.32
247.5	50.19	47.71	43.08	38.35	33.84	28.99	26.50	21.88	17.26
270.0	58.42	52.78	49.63	44.10	37.56	32.59	28.20	25.49	19.74
292.5	54.47	52.22	47.48	41.96	36.77	30.90	28.08	21.88	16.69
315.0	30.56	29.89	28.99	27.86	27.18	25.38	23.12	22.11	19.85
337.5	45.45	43.31	37.78	33.27	31.35	27.52	23.23	18.95	14.44
360.0	43.08	38.57	33.61	31.35	27.41	20.30	17.71	14.10	11.62

Intensity data(cd)

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C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	10.71	10.15	10.04	9.70	9.36	8.80	8.35	7.78	7.33
22.5	17.82	14.32	11.96	11.17	10.83	10.26	10.04	9.59	9.25
45.0	13.42	11.50	10.83	10.26	9.81	9.59	9.14	8.80	8.57
67.5	10.15	9.70	9.36	9.25	8.80	8.57	8.35	7.89	7.56
90.0	8.01	6.99	6.20	5.64	5.30	5.19	4.96	4.85	4.62
112.5	12.52	11.50	10.83	10.49	10.04	9.59	9.25	8.80	8.35
135.0	13.20	11.84	10.94	10.60	10.26	10.04	9.70	9.59	9.25
157.5	17.26	13.42	12.52	12.07	11.62	11.17	10.83	10.49	10.26
180.0	13.87	12.63	11.39	10.94	10.49	10.15	9.93	9.59	9.14
202.5	14.89	12.86	12.41	12.07	11.62	11.28	10.71	10.60	10.15
225.0	19.17	17.03	14.77	12.86	12.18	11.39	11.17	10.71	10.26
247.5	13.65	11.39	10.83	10.38	10.15	9.81	9.25	9.02	8.57
270.0	15.34	12.07	10.15	9.59	9.02	8.46	8.01	7.33	6.65
292.5	15.23	12.18	11.28	10.94	10.38	9.93	9.47	9.02	8.57
315.0	17.93	15.90	13.87	12.86	11.62	11.28	10.83	10.49	10.26
337.5	13.08	11.84	11.28	11.05	10.60	10.49	10.15	9.70	9.36
360.0	10.71	10.15	10.04	9.70	9.36	8.80	8.35	7.78	7.33
C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	7.11	6.99	6.77	6.65	6.54	6.32	6.20	6.09	5.98
22.5	8.91	8.68	8.46	8.12	7.89	7.78	7.67	7.33	7.33
45.0	8.23	8.12	8.01	7.78	7.56	7.33	7.22	7.11	6.77
67.5	7.22	6.88	6.77	6.54	6.32	6.32	6.09	5.98	5.86
90.0	4.51	4.40	4.29	4.06	4.06	3.95	3.83	3.72	3.61
112.5	8.12	7.78	7.56	7.56	7.22	6.99	6.88	6.77	6.65
135.0	8.91	8.80	8.57	8.35	8.23	8.12	7.89	7.67	7.56
157.5	9.70	9.47	9.14	8.91	8.80	8.57	8.35	8.23	8.01
180.0	8.68	8.23	8.12	7.78	7.67	7.56	7.33	7.11	6.99
202.5	9.59	9.47	9.14	9.02	8.80	8.68	8.46	8.35	8.12
225.0	9.93	9.59	9.47	9.14	8.91	8.80	8.57	8.35	8.23
247.5	8.12	8.01	7.67	7.44	7.33	6.99	6.99	6.77	6.54
270.0	6.20	5.64	5.30	5.08	4.85	4.74	4.51	4.40	4.17
292.5	8.23	8.01	7.67	7.56	7.33	7.11	6.88	6.77	6.54
315.0	9.59	9.14	9.02	8.68	8.46	8.23	8.01	8.01	7.78
337.5	9.02	8.68	8.46	8.23	8.12	7.89	7.89	7.56	7.44
360.0	7.11	6.99	6.77	6.65	6.54	6.32	6.20	6.09	5.98
C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	5.86	5.64	5.64	5.53	5.30	5.19	5.19	5.08	4.96
22.5	7.11	6.99	6.77	6.65	6.54	6.43	6.43	6.20	5.98
45.0	6.77	6.54	6.43	6.32	6.09	6.09	5.86	5.75	5.64
67.5	5.64	5.64	5.41	5.19	5.19	4.96	4.96	4.85	4.74
90.0	3.61	3.50	3.38	3.38	3.38	3.27	3.16	3.16	3.16
112.5	6.32	6.43	6.09	6.09	5.86	5.75	5.75	5.53	5.53
135.0	7.44	7.33	7.22	7.11	6.99	6.88	6.65	6.43	6.43
157.5	7.89	7.67	7.56	7.56	7.22	7.22	6.99	6.88	6.77
180.0	6.88	6.88	6.65	6.65	6.43	6.43	6.20	6.09	5.98
202.5	8.01	7.78	7.67	7.56	7.44	7.33	7.22	7.11	6.99
225.0	8.01	7.89	7.78	7.56	7.44	7.33	7.22	7.11	6.99
247.5	6.54	6.32	6.20	5.98	5.86	5.75	5.64	5.64	5.41
270.0	4.06	4.06	3.95	3.83	3.72	3.72	3.50	3.50	3.50
292.5	6.43	6.32	6.20	6.09	5.98	5.86	5.64	5.53	5.53
315.0	7.56	7.56	7.33	7.22	7.11	6.88	6.77	6.65	6.54
337.5	7.33	7.11	6.88	6.88	6.77	6.54	6.43	6.20	6.09
360.0	5.86	5.64	5.64	5.53	5.30	5.19	5.19	5.08	4.96

Intensity data(cd)									Appendix Page: 23 Total:25		
C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0		
0.0	4.85	4.85	4.85	4.62	4.62	4.51	4.51	4.40	4.29		
22.5	5.86	5.75	5.75	5.53	5.41	5.30	5.19	5.08	4.96		
45.0	5.53	5.41	5.30	5.08	5.08	4.96	4.85	4.74	4.62		
67.5	4.74	4.62	4.51	4.40	4.17	4.17	4.06	4.06	3.95		
90.0	3.05	3.05	2.93	2.82	2.82	2.82	2.59	2.59	2.48		
112.5	5.30	5.30	5.19	4.96	4.96	4.85	4.62	4.62	4.51		
135.0	6.20	6.20	6.09	5.98	5.86	5.75	5.64	5.53	5.30		
157.5	6.65	6.54	6.43	6.20	6.09	5.98	5.86	5.75	5.75		
180.0	5.98	5.86	5.75	5.64	5.64	5.53	5.41	5.30	5.19		
202.5	6.77	6.77	6.65	6.54	6.32	6.20	6.20	5.98	5.75		
225.0	6.88	6.65	6.54	6.43	6.32	6.20	6.09	5.98	5.98		
247.5	5.30	5.19	5.19	5.08	4.85	4.85	4.74	4.62	4.51		
270.0	3.38	3.27	3.27	3.16	3.05	3.16	2.93	2.93	2.93		
292.5	5.30	5.19	5.08	5.08	4.96	4.85	4.74	4.62	4.51		
315.0	6.43	6.32	6.20	5.98	5.86	5.75	5.64	5.64	5.41		
337.5	6.09	6.09	5.75	5.64	5.64	5.53	5.41	5.30	5.19		
360.0	4.85	4.85	4.85	4.62	4.62	4.51	4.51	4.40	4.29		
C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0		
0.0	4.29	4.17	4.06	3.95	3.83	3.83	3.83	3.72	3.61		
22.5	4.85	4.74	4.74	4.62	4.51	4.40	4.29	4.17	4.17		
45.0	4.51	4.51	4.40	4.29	4.17	4.17	4.06	3.83	3.83		
67.5	3.72	3.72	3.61	3.61	3.50	3.50	3.38	3.27	3.16		
90.0	2.37	2.26	2.14	2.14	2.03	2.14	2.14	2.14	2.14		
112.5	4.40	4.29	4.29	4.06	4.06	3.95	3.95	3.72	3.61		
135.0	5.30	5.19	5.08	4.96	4.85	4.74	4.62	4.51	4.51		
157.5	5.64	5.53	5.41	5.19	5.08	4.96	4.96	4.74	4.62		
180.0	5.19	5.08	4.96	4.96	4.85	4.74	4.62	4.62	4.40		
202.5	5.75	5.53	5.53	5.41	5.30	5.19	5.19	5.08	4.96		
225.0	5.75	5.64	5.53	5.53	5.41	5.30	5.08	5.08	4.96		
247.5	4.40	4.29	4.29	4.17	4.06	3.95	3.83	3.72	3.61		
270.0	2.93	2.82	2.71	2.71	2.59	2.59	2.59	2.48	2.37		
292.5	4.40	4.40	4.17	4.17	4.06	4.06	3.83	3.72	3.61		
315.0	5.30	5.19	5.08	5.08	4.85	4.85	4.74	4.62	4.51		
337.5	5.08	4.85	4.74	4.74	4.62	4.51	4.51	4.40	4.17		
360.0	4.29	4.17	4.06	3.95	3.83	3.83	3.83	3.72	3.61		
C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0		
0.0	3.61	3.50	3.38	3.38	3.27	3.27	3.27	3.27	3.16		
22.5	4.06	3.95	3.95	3.83	3.72	3.72	3.61	3.50	3.38		
45.0	3.83	3.72	3.61	3.50	3.50	3.38	3.27	3.16	3.16		
67.5	3.16	3.05	3.05	2.93	2.82	2.82	2.71	2.59	2.59		
90.0	2.03	2.14	2.03	2.03	2.03	2.03	2.03	2.03	2.03		
112.5	3.61	3.50	3.50	3.27	3.16	3.27	3.05	2.82	2.93		
135.0	4.40	4.29	4.17	4.06	3.95	3.83	3.72	3.61	3.61		
157.5	4.51	4.40	4.29	4.17	4.06	3.95	3.83	3.72	3.61		
180.0	4.29	4.17	4.06	3.83	3.61	3.50	3.38	3.16	3.05		
202.5	4.74	4.62	4.62	4.51	4.40	4.29	4.17	4.06	3.83		
225.0	4.85	4.74	4.62	4.51	4.40	4.29	4.29	4.17	4.06		
247.5	3.61	3.50	3.38	3.38	3.27	3.16	3.16	3.05	2.93		
270.0	2.37	2.26	2.37	2.26	2.26	2.26	2.26	2.14	2.14		
292.5	3.72	3.50	3.50	3.38	3.38	3.27	3.16	3.16	3.05		
315.0	4.40	4.40	4.29	4.29	4.06	3.95	3.95	3.83	3.72		
337.5	4.29	4.06	4.06	3.95	3.83	3.83	3.72	3.50	3.50		
360.0	3.61	3.50	3.38	3.38	3.27	3.27	3.27	3.27	3.16		

Intensity data(cd)										Appendix Page: 24 Total:25	
C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0		
0.0	3.05	3.05	2.93	2.93	2.82	2.82	2.71	2.59	2.59		
22.5	3.38	3.38	3.16	3.16	3.05	2.93	2.82	2.71	2.71		
45.0	2.93	2.93	2.82	2.93	2.71	2.71	2.59	2.59	2.48		
67.5	2.48	2.48	2.37	2.26	2.26	2.14	2.14	2.03	2.03		
90.0	1.92	1.92	1.92	1.92	1.92	1.92	1.80	1.80	1.80		
112.5	2.82	2.82	2.59	2.59	2.48	2.37	2.37	2.26	2.14		
135.0	3.50	3.38	3.38	3.27	3.16	3.05	2.93	2.82	2.82		
157.5	3.27	3.27	3.27	3.05	3.16	3.05	2.93	2.93	2.93		
180.0	2.82	2.82	2.71	2.59	2.48	2.48	2.48	2.48	2.48		
202.5	3.95	3.83	3.72	3.61	3.50	3.50	3.27	3.16	3.05		
225.0	3.95	3.83	3.72	3.61	3.50	3.38	3.38	3.27	3.16		
247.5	2.82	2.71	2.71	2.59	2.48	2.37	2.26	2.14	2.14		
270.0	2.14	2.14	2.03	2.03	2.03	2.03	1.92	1.92	1.92		
292.5	2.93	2.93	2.71	2.71	2.71	2.59	2.48	2.37	2.37		
315.0	3.61	3.61	3.38	3.38	3.27	3.27	3.16	2.93	3.05		
337.5	3.50	3.50	3.27	3.05	3.16	3.05	2.93	2.71	2.71		
360.0	3.05	3.05	2.93	2.93	2.82	2.82	2.71	2.59	2.59		
C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0		
0.0	2.59	2.48	2.37	2.26	2.26	2.26	2.26	2.14	2.03		
22.5	2.59	2.48	2.37	2.37	2.26	2.26	2.14	2.03	2.03		
45.0	2.48	2.37	2.26	2.26	2.26	2.14	2.03	1.92	1.92		
67.5	2.03	1.92	1.92	1.80	1.80	1.80	1.69	1.69	1.58		
90.0	1.69	1.69	1.58	1.69	1.58	1.58	1.58	1.58	1.58		
112.5	2.14	2.14	2.03	1.92	1.80	1.80	1.80	1.69	1.69		
135.0	2.71	2.59	2.59	2.48	2.37	2.37	2.26	2.14	2.03		
157.5	2.82	2.71	2.48	2.48	2.48	2.48	2.26	2.26	2.14		
180.0	2.37	2.48	2.37	2.48	2.37	2.37	2.37	2.26	2.26		
202.5	3.05	2.93	2.82	2.71	2.59	2.37	2.37	2.37	2.26		
225.0	3.05	3.05	2.82	2.82	2.71	2.59	2.48	2.48	2.37		
247.5	2.14	2.03	2.03	1.92	1.80	1.80	1.69	1.69	1.69		
270.0	2.03	1.92	1.80	1.92	1.80	1.80	1.69	1.69	1.69		
292.5	2.37	2.26	2.14	2.14	2.03	1.92	1.92	1.92	1.80		
315.0	2.82	2.82	2.82	2.71	2.71	2.59	2.48	2.48	2.26		
337.5	2.71	2.59	2.48	2.48	2.37	2.26	2.14	2.14	2.14		
360.0	2.59	2.48	2.37	2.26	2.26	2.26	2.26	2.14	2.03		
C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0		
0.0	2.03	1.92	1.92	1.92	1.80	1.80	1.69	1.69	1.69		
22.5	1.92	1.92	1.92	1.80	1.69	1.69	1.69	1.58	1.58		
45.0	1.80	1.80	1.69	1.69	1.58	1.58	1.47	1.35	1.35		
67.5	1.58	1.47	1.47	1.47	1.47	1.47	1.35	1.35	1.35		
90.0	1.47	1.47	1.47	1.47	1.47	1.47	1.35	1.35	1.24		
112.5	1.58	1.58	1.58	1.47	1.35	1.47	1.35	1.35	1.24		
135.0	2.03	1.92	1.80	1.80	1.58	1.58	1.58	1.47	1.35		
157.5	2.14	2.14	2.03	2.03	1.80	1.80	1.69	1.69	1.69		
180.0	2.14	2.03	2.03	2.03	2.03	1.92	1.92	1.92	1.80		
202.5	2.14	2.03	2.03	1.92	1.92	1.80	1.69	1.58	1.58		
225.0	2.37	2.14	2.14	2.03	2.03	1.80	1.80	1.69	1.58		
247.5	1.58	1.58	1.58	1.58	1.58	1.58	1.47	1.35	1.47		
270.0	1.69	1.69	1.69	1.69	1.58	1.58	1.58	1.47	1.58		
292.5	1.80	1.69	1.69	1.58	1.58	1.47	1.47	1.47	1.35		
315.0	2.26	2.26	2.14	2.14	2.03	1.92	1.80	1.80	1.58		
337.5	2.03	1.92	1.92	1.80	1.80	1.69	1.69	1.69	1.58		
360.0	2.03	1.92	1.92	1.92	1.80	1.80	1.69	1.69	1.69		

Intensity data(cd)										Appendix Page: 25 Total:25	
C/ γ (°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0		
0.0	1.47	1.58	1.47	1.35	1.35	1.24	1.24	1.13	1.24		
22.5	1.58	1.47	1.35	1.35	1.24	1.35	1.24	1.24	1.24		
45.0	1.35	1.35	1.24	1.24	1.13	1.13	1.13	1.13	1.13		
67.5	1.24	1.24	1.24	1.24	1.24	1.24	1.13	1.13	1.13		
90.0	1.24	1.24	1.24	1.24	1.13	1.13	1.13	1.13	1.13		
112.5	1.24	1.24	1.24	1.13	1.24	1.13	1.24	1.13	1.13		
135.0	1.35	1.24	1.24	1.24	1.24	1.13	1.13	1.13	1.13		
157.5	1.58	1.47	1.35	1.47	1.35	1.47	1.24	1.24	1.24		
180.0	1.69	1.69	1.58	1.47	1.47	1.35	1.35	1.35	1.24		
202.5	1.47	1.47	1.35	1.35	1.24	1.24	1.13	1.13	1.13		
225.0	1.58	1.47	1.35	1.35	1.35	1.24	1.24	1.24	1.13		
247.5	1.35	1.35	1.35	1.24	1.24	1.24	1.13	1.13	1.13		
270.0	1.47	1.47	1.35	1.35	1.35	1.24	1.24	1.24	1.24		
292.5	1.35	1.35	1.24	1.35	1.24	1.24	1.24	1.13	1.24		
315.0	1.58	1.47	1.47	1.35	1.24	1.24	1.24	1.13	1.13		
337.5	1.47	1.47	1.47	1.35	1.35	1.35	1.24	1.13	1.24		
360.0	1.47	1.58	1.47	1.35	1.35	1.24	1.24	1.13	1.24		
C/ γ (°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0		
0.0	1.13	1.13	1.13	1.02	1.13	1.13	1.13	1.13	1.24		
22.5	1.13	1.13	1.13	1.13	1.24	1.13	1.13	1.13	1.13		
45.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
67.5	1.13	1.24	1.24	1.13	1.13	1.13	1.13	1.13	1.13		
90.0	1.13	1.13	1.13	1.13	1.13	1.24	1.13	1.13	1.13		
112.5	1.24	1.02	1.24	1.13	1.13	1.13	1.13	1.13	1.13		
135.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
157.5	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
180.0	1.24	1.24	1.24	1.13	1.13	1.13	1.13	1.13	1.24		
202.5	1.24	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
225.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
247.5	1.13	1.13	1.13	1.24	1.13	1.24	1.13	1.13	1.13		
270.0	1.24	1.24	1.24	1.13	1.13	1.13	1.13	1.13	1.24		
292.5	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
315.0	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.24		
337.5	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13		
360.0	1.13	1.13	1.13	1.02	1.13	1.13	1.13	1.13	1.24		
C/ γ (°)	180.0										
0.0	0.00										
22.5	0.00										
45.0	0.00										
67.5	0.00										
90.0	0.00										
112.5	0.00										
135.0	0.00										
157.5	0.00										
180.0	0.00										
202.5	0.00										
225.0	0.00										
247.5	0.00										
270.0	0.00										
292.5	0.00										
315.0	0.00										
337.5	0.00										
360.0	0.00										