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BSR1908070101-9

Client:
MANUFAC: ASL Lighting
LumCAT: BCRB-10

Luminaire: Wall Sconces	Voltage(V): 120.010
Test No: S01	Current(A): 0.108
LampCAT:	Power (W): 12.750
Lamp flux(lm)	PF: 0.9883
Number of Lamps: 1	Ballast type:
Length(mm): 590	Width(mm): 310
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 915.12, Luminous Efficacy(lm/W): 71.77
Central intensity(cd): 116.396, Maximum intensity(cd): 272.851
Angle of maximum intensity: C=0.0 γ=62.0
Beam Angle(50%Imax): [C0/180]Total=187.1
[C90/270]Total=165.7
Field angle(10%Imax): [C0/180]Total=245.1
[C90/270]Total=327.5
Maximum s/h(1/2): C0_180=1.26 C90_270=1.53
Maximum s/h(1/4): C0_180=1.39 C90_270=1.66
Up flux rate of LUM(%): 25.50%
Down flux rate of LUM(%): 74.50%
CIE Type : Semidirect lighting
Output flux ratio in π solid angle : 44.570%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	116.396	0.000	0	0.00%	0.00%
1.0	116.402	0.111	0.111	0.01%	0.01%
2.0	116.391	0.334	0.446	0.04%	0.05%
3.0	116.491	0.557	1.002	0.06%	0.11%
4.0	116.539	0.780	1.783	0.09%	0.19%
5.0	116.755	1.004	2.786	0.11%	0.30%
6.0	116.819	1.227	4.014	0.13%	0.44%
7.0	117.001	1.451	5.465	0.16%	0.60%
8.0	117.165	1.676	7.141	0.18%	0.78%
9.0	117.313	1.900	9.041	0.21%	0.99%
10.0	117.446	2.124	11.166	0.23%	1.22%
11.0	117.527	2.348	13.513	0.26%	1.48%
12.0	117.617	2.570	16.084	0.28%	1.76%
13.0	117.701	2.793	18.877	0.31%	2.06%
14.0	117.677	3.013	21.889	0.33%	2.39%
15.0	117.754	3.232	25.122	0.35%	2.75%
16.0	117.727	3.450	28.572	0.38%	3.12%
17.0	117.723	3.667	32.239	0.40%	3.52%
18.0	118.370	3.893	36.131	0.43%	3.95%
19.0	119.735	4.143	40.274	0.45%	4.40%
20.0	120.983	4.406	44.68	0.48%	4.88%
21.0	123.200	4.689	49.368	0.51%	5.39%
22.0	123.785	4.963	54.332	0.54%	5.94%
23.0	123.696	5.193	59.524	0.57%	6.50%
24.0	124.653	5.430	64.954	0.59%	7.10%
25.0	125.046	5.678	70.632	0.62%	7.72%
26.0	126.112	5.929	76.56	0.65%	8.37%
27.0	126.611	6.183	82.743	0.68%	9.04%
28.0	127.960	6.445	89.189	0.70%	9.75%
29.0	129.442	6.734	95.923	0.74%	10.48%
30.0	130.361	7.015	102.938	0.77%	11.25%
31.0	129.707	7.237	110.175	0.79%	12.04%
32.0	129.697	7.432	117.607	0.81%	12.85%
33.0	131.449	7.693	125.3	0.84%	13.69%
34.0	131.890	7.969	133.269	0.87%	14.56%
35.0	133.542	8.243	141.513	0.90%	15.46%
36.0	133.250	8.495	150.007	0.93%	16.39%
37.0	133.282	8.693	158.7	0.95%	17.34%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	132.949	8.886	167.587	0.97%	18.31%
39.0	134.316	9.122	176.709	1.00%	19.31%
40.0	134.618	9.379	186.089	1.02%	20.33%
41.0	135.269	9.611	195.699	1.05%	21.39%
42.0	134.817	9.813	205.512	1.07%	22.46%
43.0	135.033	9.996	215.508	1.09%	23.55%
44.0	134.941	10.190	225.697	1.11%	24.66%
45.0	134.419	10.352	236.049	1.13%	25.79%
46.0	135.602	10.560	246.609	1.15%	26.95%
47.0	135.817	10.795	257.404	1.18%	28.13%
48.0	136.148	10.994	268.398	1.20%	29.33%
49.0	134.364	11.109	279.507	1.21%	30.54%
50.0	133.361	11.162	290.67	1.22%	31.76%
51.0	133.024	11.270	301.94	1.23%	32.99%
52.0	133.167	11.422	313.362	1.25%	34.24%
53.0	132.507	11.557	324.919	1.26%	35.51%
54.0	132.365	11.674	336.594	1.28%	36.78%
55.0	131.618	11.784	348.377	1.29%	38.07%
56.0	130.173	11.830	360.207	1.29%	39.36%
57.0	129.036	11.852	372.059	1.30%	40.66%
58.0	128.615	11.915	383.973	1.30%	41.96%
59.0	126.711	11.937	395.91	1.30%	43.26%
60.0	126.355	11.956	407.865	1.31%	44.57%
61.0	124.211	11.957	419.823	1.31%	45.88%
62.0	123.704	11.946	431.769	1.31%	47.18%
63.0	121.013	11.902	443.671	1.30%	48.48%
64.0	119.948	11.824	455.495	1.29%	49.77%
65.0	117.798	11.766	467.261	1.29%	51.06%
66.0	115.868	11.658	478.919	1.27%	52.33%
67.0	114.311	11.574	490.493	1.26%	53.60%
68.0	112.495	11.489	501.982	1.26%	54.85%
69.0	110.418	11.372	513.354	1.24%	56.10%
70.0	107.863	11.211	524.565	1.23%	57.32%
71.0	104.882	10.996	535.56	1.20%	58.52%
72.0	101.126	10.712	546.272	1.17%	59.69%
73.0	97.247	10.373	556.646	1.13%	60.83%
74.0	93.748	10.041	566.687	1.10%	61.92%
75.0	89.914	9.704	576.391	1.06%	62.99%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	85.715	9.323	585.714	1.02%	64.00%
77.0	82.207	8.953	594.667	0.98%	64.98%
78.0	78.728	8.615	603.282	0.94%	65.92%
79.0	75.262	8.274	611.555	0.90%	66.83%
80.0	71.538	7.914	619.47	0.86%	67.69%
81.0	68.261	7.560	627.03	0.83%	68.52%
82.0	64.835	7.218	634.248	0.79%	69.31%
83.0	61.726	6.880	641.128	0.75%	70.06%
84.0	58.669	6.559	647.686	0.72%	70.78%
85.0	55.959	6.256	653.943	0.68%	71.46%
86.0	53.439	5.980	659.922	0.65%	72.11%
87.0	51.288	5.732	665.654	0.63%	72.74%
88.0	49.559	5.524	671.178	0.60%	73.34%
89.0	48.209	5.359	676.537	0.59%	73.93%
90.0	47.218	5.232	681.769	0.57%	74.50%
91.0	46.697	5.149	686.918	0.56%	75.06%
92.0	46.456	5.106	692.024	0.56%	75.62%
93.0	46.525	5.093	697.117	0.56%	76.18%
94.0	46.730	5.104	702.221	0.56%	76.74%
95.0	47.005	5.124	707.345	0.56%	77.30%
96.0	47.185	5.141	712.486	0.56%	77.86%
97.0	47.340	5.150	717.635	0.56%	78.42%
98.0	47.441	5.152	722.787	0.56%	78.98%
99.0	47.590	5.153	727.941	0.56%	79.55%
100.0	47.669	5.151	733.092	0.56%	80.11%
101.0	47.702	5.142	738.234	0.56%	80.67%
102.0	47.700	5.126	743.36	0.56%	81.23%
103.0	47.714	5.108	748.467	0.56%	81.79%
104.0	47.644	5.084	753.552	0.56%	82.34%
105.0	47.619	5.057	758.608	0.55%	82.90%
106.0	47.661	5.034	763.643	0.55%	83.45%
107.0	47.613	5.009	768.652	0.55%	83.99%
108.0	47.534	4.975	773.627	0.54%	84.54%
109.0	47.363	4.934	778.561	0.54%	85.08%
110.0	47.254	4.890	783.452	0.53%	85.61%
111.0	47.100	4.846	788.297	0.53%	86.14%
112.0	46.839	4.792	793.09	0.52%	86.67%
113.0	46.544	4.730	797.82	0.52%	87.18%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
114.0	46.242	4.666	802.486	0.51%	87.69%
115.0	45.868	4.596	807.081	0.50%	88.19%
116.0	45.454	4.519	811.601	0.49%	88.69%
117.0	45.031	4.440	816.041	0.49%	89.17%
118.0	44.635	4.361	820.402	0.48%	89.65%
119.0	44.060	4.274	824.676	0.47%	90.12%
120.0	43.534	4.180	828.856	0.46%	90.57%
121.0	42.974	4.087	832.943	0.45%	91.02%
122.0	42.458	3.994	836.937	0.44%	91.46%
123.0	41.788	3.896	840.832	0.43%	91.88%
124.0	41.060	3.788	844.62	0.41%	92.30%
125.0	40.356	3.679	848.299	0.40%	92.70%
126.0	39.662	3.572	851.871	0.39%	93.09%
127.0	38.862	3.461	855.332	0.38%	93.47%
128.0	38.013	3.344	858.676	0.37%	93.83%
129.0	37.260	3.230	861.906	0.35%	94.19%
130.0	36.410	3.117	865.023	0.34%	94.53%
131.0	35.552	3.000	868.024	0.33%	94.85%
132.0	34.779	2.888	870.912	0.32%	95.17%
133.0	33.976	2.779	873.691	0.30%	95.47%
134.0	33.053	2.666	876.357	0.29%	95.76%
135.0	32.083	2.547	878.904	0.28%	96.04%
136.0	31.357	2.438	881.342	0.27%	96.31%
137.0	30.563	2.337	883.68	0.26%	96.56%
138.0	29.579	2.228	885.907	0.24%	96.81%
139.0	28.629	2.115	888.022	0.23%	97.04%
140.0	27.729	2.007	890.029	0.22%	97.26%
141.0	26.914	1.906	891.935	0.21%	97.47%
142.0	25.992	1.806	893.741	0.20%	97.66%
143.0	25.147	1.707	895.447	0.19%	97.85%
144.0	24.326	1.614	897.061	0.18%	98.03%
145.0	23.405	1.520	898.581	0.17%	98.19%
146.0	22.532	1.427	900.007	0.16%	98.35%
147.0	21.770	1.341	901.348	0.15%	98.50%
148.0	20.918	1.258	902.606	0.14%	98.63%
149.0	20.106	1.175	903.781	0.13%	98.76%
150.0	19.305	1.097	904.878	0.12%	98.88%
151.0	18.428	1.019	905.896	0.11%	98.99%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
152.0	17.599	0.943	906.839	0.10%	99.10%
153.0	16.899	0.873	907.712	0.10%	99.19%
154.0	16.199	0.810	908.522	0.09%	99.28%
155.0	15.490	0.748	909.27	0.08%	99.36%
156.0	14.759	0.688	909.958	0.08%	99.44%
157.0	14.099	0.631	910.589	0.07%	99.50%
158.0	13.457	0.578	911.167	0.06%	99.57%
159.0	12.779	0.527	911.694	0.06%	99.63%
160.0	12.024	0.476	912.171	0.05%	99.68%
161.0	11.395	0.429	912.599	0.05%	99.72%
162.0	10.736	0.385	912.984	0.04%	99.77%
163.0	10.050	0.343	913.327	0.04%	99.80%
164.0	9.308	0.301	913.628	0.03%	99.84%
165.0	8.665	0.263	913.892	0.03%	99.87%
166.0	8.030	0.229	914.121	0.03%	99.89%
167.0	7.348	0.197	914.318	0.02%	99.91%
168.0	6.721	0.167	914.485	0.02%	99.93%
169.0	6.114	0.140	914.625	0.02%	99.95%
170.0	5.531	0.116	914.741	0.01%	99.96%
171.0	4.923	0.095	914.836	0.01%	99.97%
172.0	4.437	0.076	914.912	0.01%	99.98%
173.0	4.024	0.061	914.972	0.01%	99.98%
174.0	3.597	0.047	915.02	0.01%	99.99%
175.0	3.206	0.036	915.056	0.00%	99.99%
176.0	2.876	0.026	915.082	0.00%	100.00%
177.0	2.598	0.018	915.1	0.00%	100.00%
178.0	2.409	0.012	915.112	0.00%	100.00%
179.0	2.307	0.007	915.119	0.00%	100.00%
180.0	0.000	0.001	915.12	0.00%	100.00%

Zonal flux distribution table

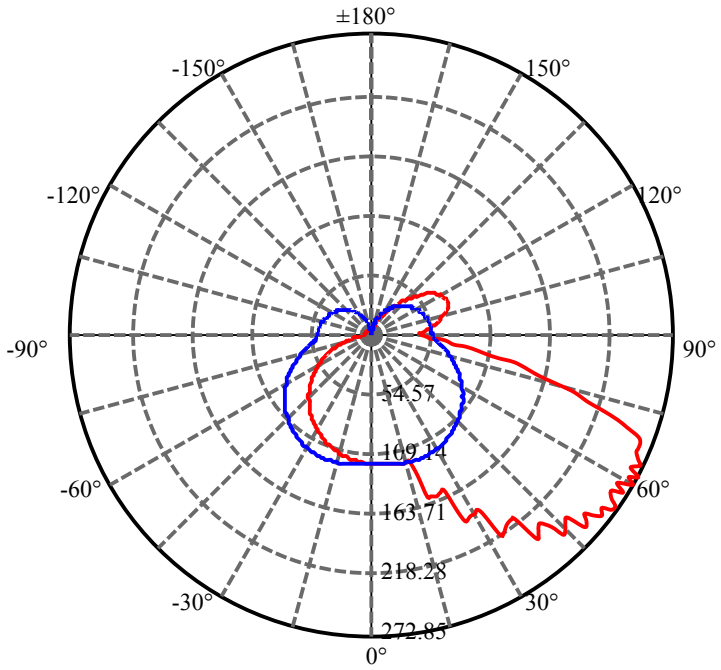
ZONAL LUMEN SUMMARY

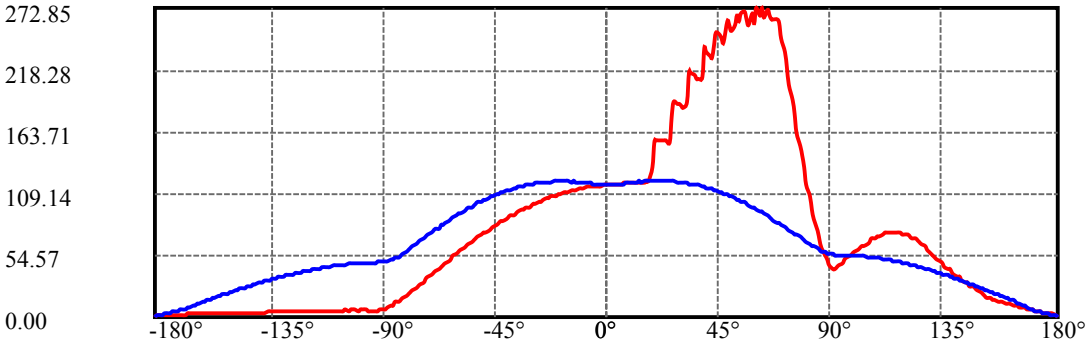
Zone	Lumens	%Fixt
0-30	102.94	11.25%
0-40	186.09	20.33%
0-60	407.87	44.57%
0-90	681.77	74.50%
0-120	828.86	90.57%
0-180	915.12	100.00%
60-90	273.90	29.93%
90-120	147.09	16.07%
90-130	183.25	20.03%
90-150	223.11	24.38%
90-180	233.35	25.50%
0-99.81	732.10	80.00%

ZONAL LUMEN SUMMARY

0-10	11.17
10-20	33.51
20-30	58.26
30-40	83.15
40-50	104.58
50-60	117.20
60-70	116.70
70-80	94.91
80-90	62.30
90-100	51.32
100-110	50.36
110-120	45.40
120-130	36.17
130-140	25.01
140-150	14.85
150-160	7.29
160-170	2.57
170-180	0.38

Light Distribution Curve [Unit:cd]





C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:84.6 Right:160.5

:C90/270Left:162.6 Right:164.9

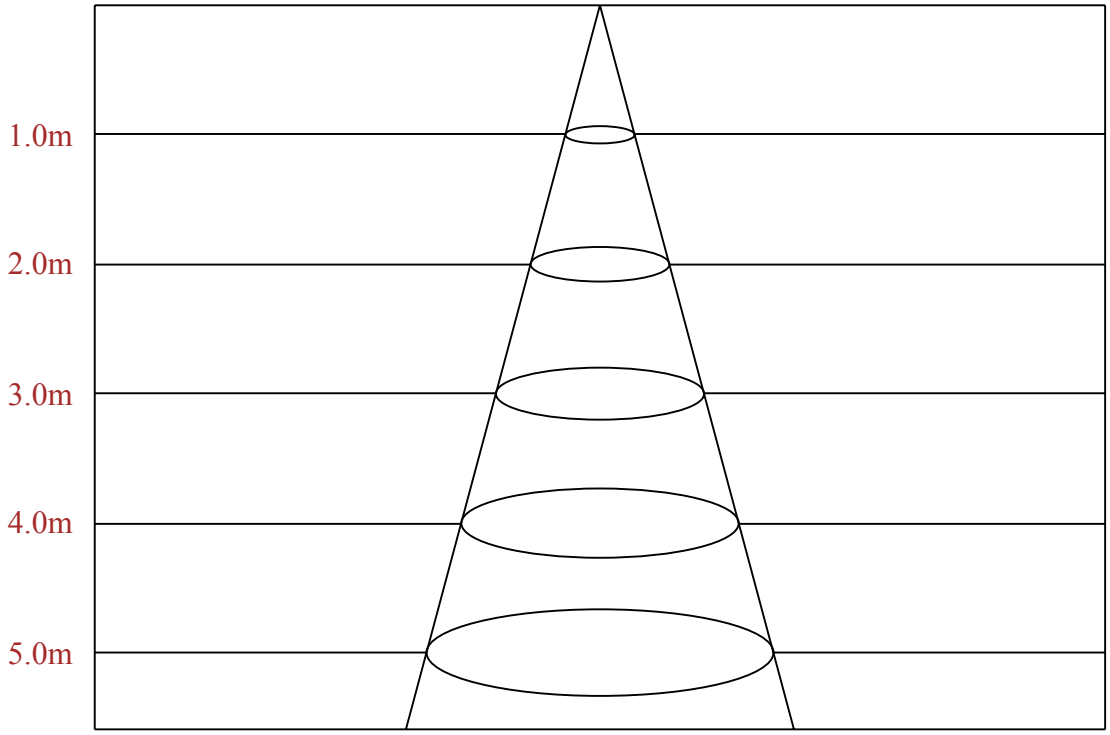
Beam Angle(50%Imax):C0/180Left:58.5 Right:128.6

:C90/270Left:79.6 Right:86.1

Equipment: GMS2200 Date: 2019-8-7 Operator: Jack

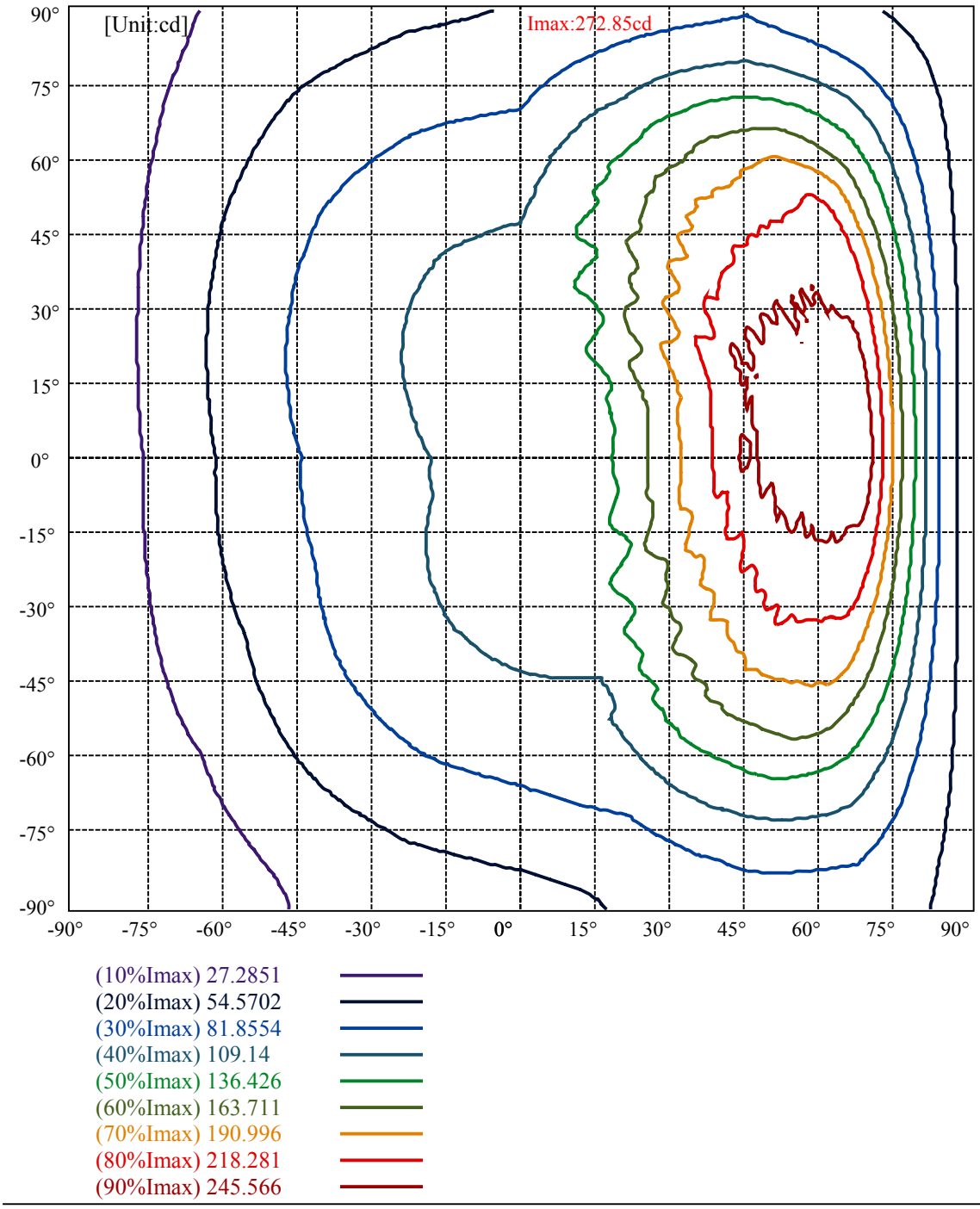
Temperature(°C): 25.3 Humidity(%): 55.0% Distance(m): 12.00

Lux distance Curve



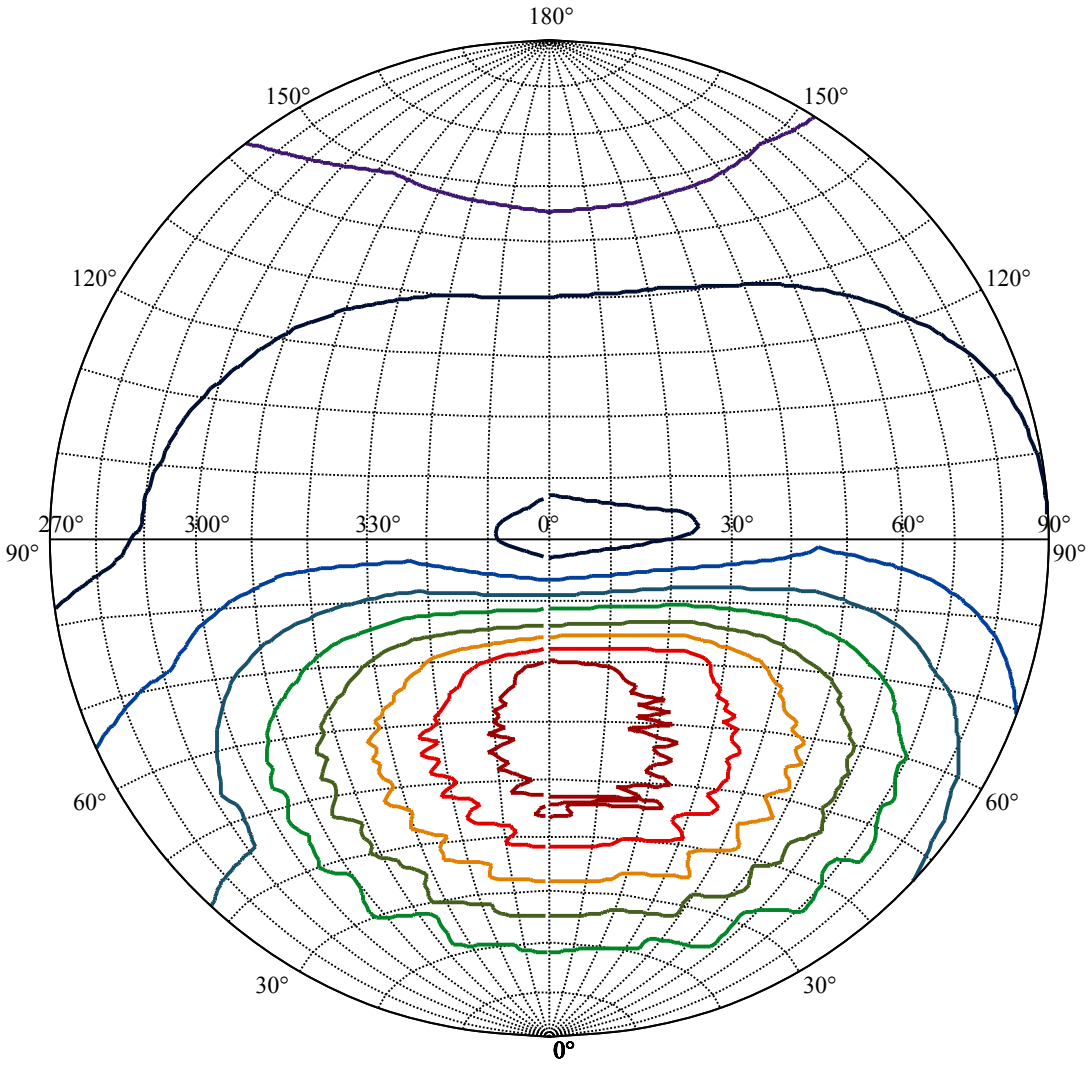
Max , Ave

Beam angle of C0 plane 187.08



Equipment: GMS2200 Date: 2019-8-7 Operator: Jack
Temperature(°C): 25.3 Humidity(%): 55.0% Distance(m): 12.00

ISO candela diagram on circular web



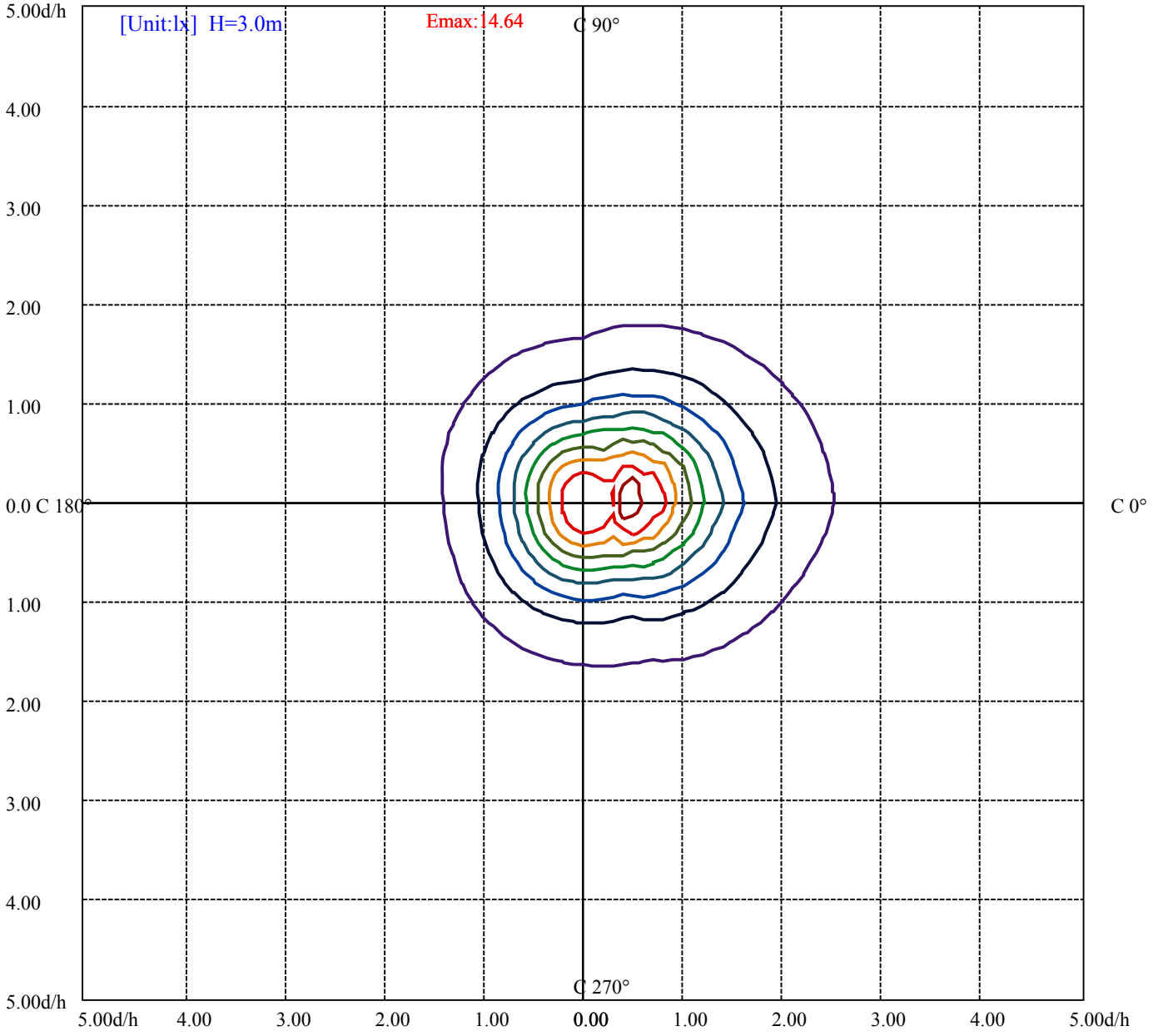
House [Unit:cd] Road

Imax:272.85

(10%Imax) 27.2851
(20%Imax) 54.5702
(30%Imax) 81.8554
(40%Imax) 109.14
(50%Imax) 136.426
(60%Imax) 163.711
(70%Imax) 190.996
(80%Imax) 218.281
(90%Imax) 245.566

Equipment: GMS2200 Date: 2019-8-7 Operator: Jack
Temperature(°C): 25.3 Humidity(%): 55.0% Distance(m): 12.00

ISO illuminance diagram

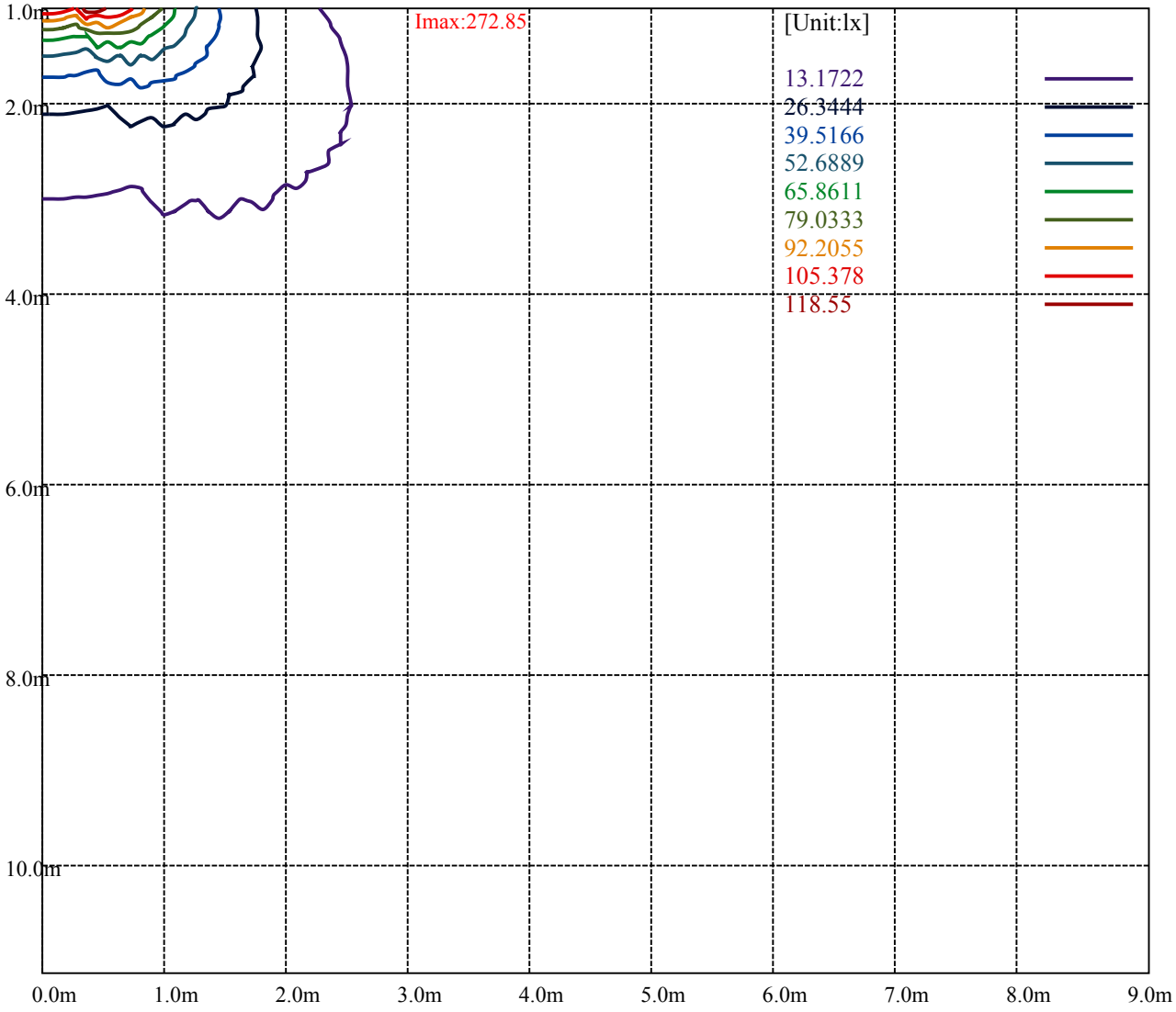


Equipment: GMS2200
Temperature(°C): 25.3

Date: 2019-8-7
Humidity(%): 55.0%

Operator: Jack
Distance(m): 12.00

Space ISO Lux diagram



Equipment: GMS2200
Temperature(°C): 25.3

Date: 2019-8-7
Humidity(%): 55.0%

Operator: Jack
Distance(m): 12.00

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Luminance Limitting Curve(no luminous side)

Luminance Table

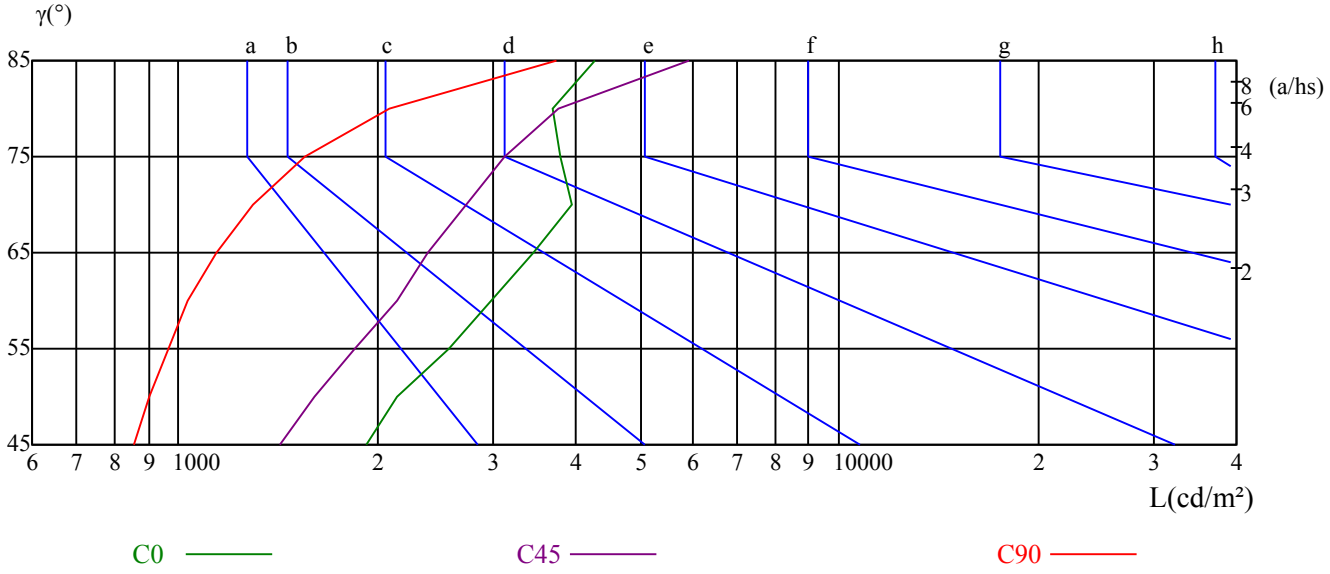
γ	45	50	55	60	65	70	75	80	85
C0	1926	2142	2566	2980	3448	3939	3796	3693	4277
C45	1425	1610	1847	2142	2390	2730	3107	3770	5928
C90	853	903	963	1036	1142	1292	1554	2085	3734

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2024	1102	1519	2188	1471	1934	2472	3467	3933

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 Limitting Curve



Equipment: GMS2200
Temperature(°C): 25.3

Date: 2019-8-7
Humidity(%): 55.0%

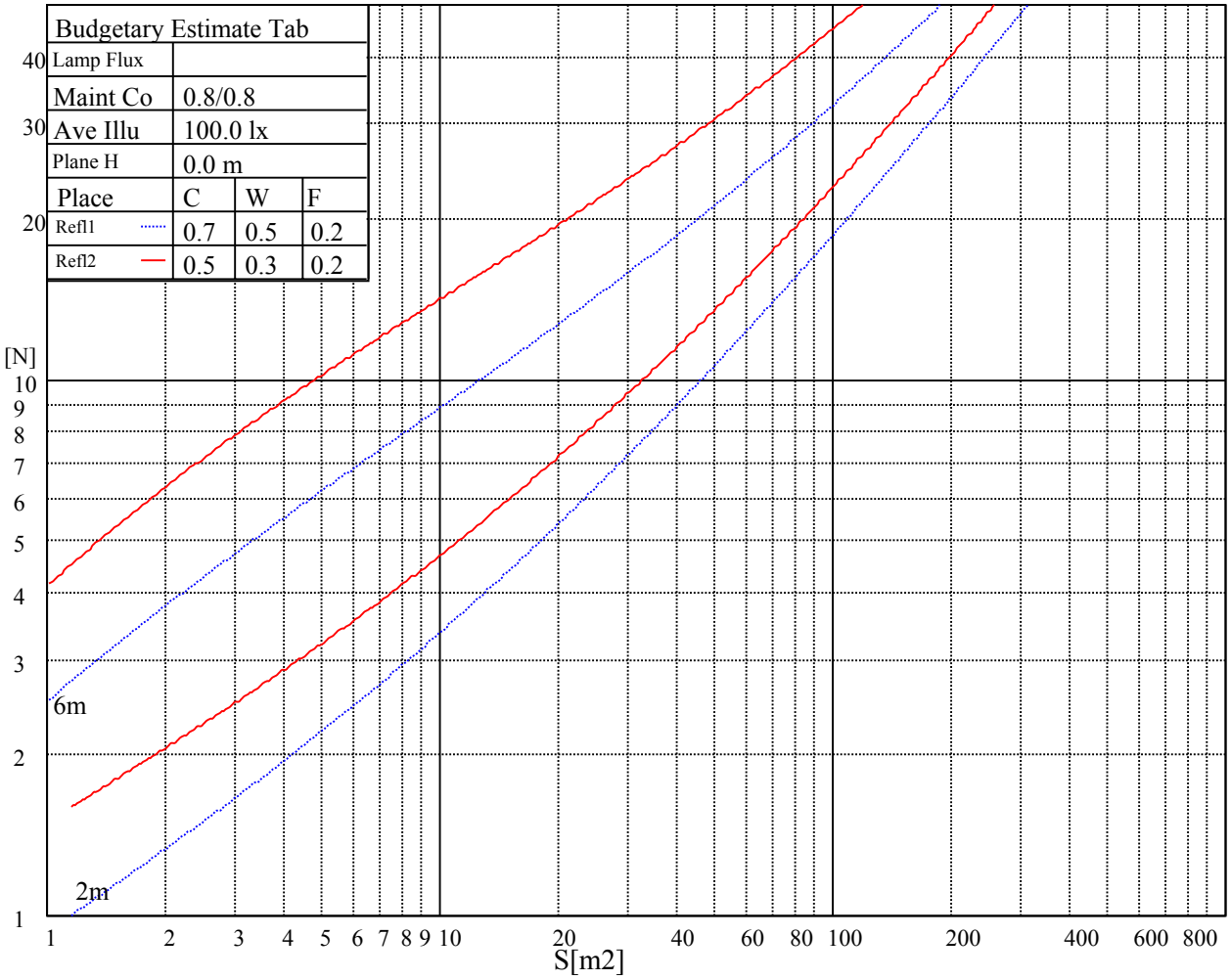
Operator: Jack
Distance(m): 12.00

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	16.23	17.53	16.92	18.26	19.13	12.09	13.39	12.77	14.12	14.99
	3H	19.62	20.82	20.33	21.57	22.45	14.42	15.63	15.13	16.37	17.25
	4H	20.87	22.01	21.58	22.76	23.66	15.58	16.72	16.30	17.47	18.37
	6H	21.81	22.88	22.54	23.64	24.56	16.85	17.92	17.57	18.67	19.59
	8H	22.15	23.19	22.88	23.95	24.88	17.51	18.55	18.24	19.31	20.24
	12H	22.44	23.44	23.18	24.21	25.14	18.28	19.28	19.01	20.05	20.98
4H	2H	16.93	18.07	17.64	18.82	19.71	14.19	15.34	14.91	16.09	16.98
	3H	20.51	21.51	21.24	22.28	23.21	16.56	17.56	17.30	18.33	19.26
	4H	22.01	22.92	22.76	23.70	24.65	17.83	18.74	18.58	19.52	20.47
	6H	23.12	23.94	23.89	24.74	25.68	19.10	19.92	19.87	20.72	21.67
	8H	23.58	24.35	24.36	25.15	26.11	19.81	20.58	20.59	21.39	22.35
	12H	23.98	24.70	24.77	25.50	26.49	20.62	21.34	21.40	22.13	23.12
8H	4H	22.34	23.12	23.12	23.92	24.88	19.08	19.85	19.86	20.65	21.61
	6H	23.70	24.36	24.50	25.17	26.16	20.58	21.24	21.38	22.05	23.04
	8H	24.39	24.97	25.20	25.81	26.80	21.48	22.07	22.30	22.91	23.89
	12H	24.96	25.46	25.77	26.31	27.30	22.42	22.93	23.24	23.78	24.77
12H	4H	22.40	23.12	23.19	23.92	24.91	19.36	20.08	20.14	20.87	21.86
	6H	23.89	24.47	24.70	25.31	26.30	21.06	21.64	21.87	22.48	23.47
	8H	24.61	25.12	25.43	25.97	26.96	22.03	22.54	22.85	23.39	24.37

Variation with the observer position at spacings:		
S = 1.0H	0.2/-0.9	0.2/-1.0
S = 1.5H	0.3/-0.9	0.5/-0.7
S = 2.0H	0.3/-0.8	0.5/-0.7
Standard tables:	BKBF	BKBF
Uncorrected UGR	4.9	8.3

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

Budgetary Estimate Table



Equipment: GMS2200	Date: 2019-8-7	Operator: Jack
Temperature(°C): 25.3	Humidity(%): 55.0%	Distance(m): 12.00

Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.13	1.13	1.13	1.07	1.07	1.07	0.97	0.97	0.97	0.87	0.87	0.87	0.79	0.79	0.79	0.75
1	0.93	0.88	0.83	0.89	0.84	0.79	0.80	0.76	0.72	0.71	0.68	0.65	0.64	0.61	0.59	0.55
2	0.79	0.71	0.64	0.75	0.68	0.61	0.67	0.61	0.56	0.60	0.55	0.51	0.53	0.50	0.46	0.42
3	0.68	0.59	0.51	0.64	0.56	0.49	0.58	0.51	0.45	0.51	0.46	0.41	0.46	0.41	0.37	0.34
4	0.59	0.49	0.42	0.56	0.47	0.40	0.50	0.43	0.37	0.45	0.39	0.34	0.40	0.35	0.31	0.27
5	0.52	0.42	0.35	0.49	0.40	0.34	0.44	0.37	0.31	0.39	0.33	0.28	0.35	0.30	0.26	0.23
6	0.46	0.37	0.30	0.44	0.35	0.29	0.39	0.32	0.26	0.35	0.29	0.24	0.31	0.26	0.22	0.19
7	0.41	0.32	0.26	0.39	0.31	0.25	0.35	0.28	0.23	0.32	0.25	0.21	0.28	0.23	0.19	0.16
8	0.37	0.28	0.22	0.35	0.27	0.21	0.32	0.25	0.20	0.29	0.23	0.18	0.26	0.20	0.17	0.14
9	0.34	0.25	0.20	0.32	0.24	0.19	0.29	0.22	0.17	0.26	0.20	0.16	0.24	0.18	0.15	0.13
10	0.31	0.23	0.17	0.30	0.22	0.17	0.27	0.20	0.16	0.24	0.18	0.14	0.22	0.17	0.13	0.11

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	116.40	116.44	116.19	116.54	116.77	117.06	117.29	117.85	118.04
22.5	116.40	116.09	116.19	116.08	116.42	116.57	116.65	117.12	117.26
45.0	116.40	116.55	116.74	116.78	116.71	116.76	117.27	117.81	118.02
67.5	116.40	116.81	116.68	117.09	117.23	117.52	117.58	117.78	118.41
90.0	116.40	116.65	116.61	116.88	117.20	117.39	117.65	117.69	118.14
112.5	116.40	116.24	116.47	116.64	116.52	116.87	117.00	117.49	117.56
135.0	116.40	116.11	116.32	116.04	116.16	116.35	116.38	116.24	116.58
157.5	116.40	115.92	116.09	116.01	115.65	115.65	115.40	115.50	115.13
180.0	116.40	116.34	115.96	116.01	115.50	115.49	115.19	114.61	114.45
202.5	116.40	116.12	115.92	115.83	115.70	115.70	115.26	114.87	114.83
225.0	116.40	116.65	116.40	116.52	116.19	116.40	116.38	116.31	115.96
247.5	116.40	116.55	116.61	116.65	116.88	117.13	116.97	117.37	117.23
270.0	116.40	116.81	116.74	117.09	117.20	117.66	117.85	118.05	118.34
292.5	116.40	116.54	116.67	116.67	117.04	117.50	117.55	118.04	118.04
315.0	116.40	116.19	116.45	116.65	116.90	116.99	117.16	117.65	118.34
337.5	116.40	116.40	116.19	116.37	116.52	117.06	117.53	117.65	118.31
360.0	116.40	116.44	116.19	116.54	116.77	117.06	117.29	117.85	118.04

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	118.47	118.43	118.80	118.89	119.20	119.12	119.42	119.52	119.64
22.5	117.78	118.01	118.22	118.40	118.86	118.66	119.02	119.22	119.43
45.0	118.48	118.61	119.30	119.35	119.78	119.94	120.54	120.47	120.80
67.5	118.67	119.16	119.26	119.87	120.24	120.30	120.90	120.84	121.25
90.0	118.27	118.83	118.77	119.19	119.61	119.48	119.62	119.98	120.27
112.5	117.84	118.05	118.53	118.41	118.79	118.86	119.23	119.03	119.23
135.0	116.45	116.70	116.41	116.65	116.41	116.68	116.45	116.29	116.29
157.5	115.14	114.62	114.64	114.32	113.80	113.53	113.40	113.13	112.46
180.0	114.08	113.83	113.08	112.55	112.29	111.50	111.00	110.28	109.93
202.5	114.32	114.03	113.39	113.26	112.59	112.23	111.46	111.21	110.45
225.0	115.85	115.83	115.63	115.32	115.40	115.01	114.75	114.28	113.98
247.5	117.58	117.76	117.58	117.98	117.75	117.82	117.89	118.01	117.69
270.0	118.67	118.67	118.99	119.26	119.49	119.39	119.56	119.78	119.88
292.5	118.35	118.70	119.00	119.00	119.30	119.65	119.72	119.84	120.11
315.0	118.63	118.77	119.25	119.88	119.92	120.33	120.48	121.09	121.02
337.5	118.44	119.12	119.59	119.56	119.78	120.34	120.61	120.67	121.13
360.0	118.47	118.43	118.80	118.89	119.20	119.12	119.42	119.52	119.64

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	132.58	153.79	156.21	156.28	156.57	156.17	155.36	154.94	177.09
22.5	119.33	120.12	139.42	155.19	155.74	154.99	155.25	155.71	155.66
45.0	121.28	121.12	121.41	121.55	121.87	124.27	144.78	155.78	156.43
67.5	121.16	121.61	121.39	121.64	121.44	121.74	121.38	121.25	121.46
90.0	120.07	120.37	120.34	120.44	120.11	120.27	120.14	120.18	119.71
112.5	119.19	119.40	119.03	119.00	118.90	118.99	118.51	118.35	118.30
135.0	116.09	116.04	115.55	115.24	115.20	114.52	114.35	113.69	113.60
157.5	111.97	111.77	111.01	110.55	109.93	109.66	108.88	108.36	107.51
180.0	109.02	108.40	107.48	107.01	105.98	104.88	104.33	103.23	102.48
202.5	109.56	109.17	108.39	107.74	106.75	106.24	105.36	104.59	103.52
225.0	113.64	113.47	112.77	112.31	112.05	111.25	111.00	110.16	109.84
247.5	117.62	117.53	117.29	117.35	117.10	116.86	116.45	115.92	115.36
270.0	119.68	119.87	119.81	119.55	119.40	119.45	119.30	118.92	118.60
292.5	120.31	120.21	120.40	120.48	120.25	120.20	120.27	120.23	119.82
315.0	121.33	121.33	121.80	121.58	121.85	122.07	121.77	121.95	121.95
337.5	121.08	121.55	123.44	145.30	157.42	157.59	157.32	157.48	156.44
360.0	132.58	153.79	156.21	156.28	156.57	156.17	155.36	154.94	177.09

Intensity data(cd)

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	189.45	187.56	187.32	186.83	184.65	190.47	214.49	214.96	212.83
22.5	158.28	182.58	187.73	187.36	186.19	186.32	184.28	185.44	214.73
45.0	155.74	155.92	155.88	154.61	155.06	156.23	170.12	175.54	175.46
67.5	121.36	120.92	120.70	120.80	120.25	120.25	121.05	129.92	139.08
90.0	119.78	119.48	119.00	119.03	118.63	118.22	117.76	117.50	117.22
112.5	117.75	117.65	117.14	117.09	116.71	116.12	115.72	115.29	114.94
135.0	112.98	112.51	111.87	111.63	111.00	110.30	109.67	109.14	108.32
157.5	107.19	106.32	105.36	104.96	103.97	103.31	102.20	101.62	100.54
180.0	101.33	100.70	99.52	98.64	97.34	96.54	95.30	94.31	93.30
202.5	102.92	102.00	100.67	99.95	98.91	97.89	96.62	95.77	94.67
225.0	108.99	108.49	107.61	107.22	106.26	105.67	104.77	103.74	103.02
247.5	114.65	114.26	114.02	113.41	112.56	112.18	111.30	110.91	110.03
270.0	118.53	118.17	117.63	117.13	117.00	116.60	115.88	115.04	114.78
292.5	119.62	119.59	119.35	118.77	118.63	118.24	117.66	117.35	116.68
315.0	122.03	124.83	137.79	145.35	146.48	145.24	145.20	143.74	142.56
337.5	155.17	156.40	169.46	183.00	181.67	181.58	181.17	179.97	178.52
360.0	189.45	187.56	187.32	186.83	184.65	190.47	214.49	214.96	212.83

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	210.24	209.88	212.21	236.62	234.36	230.96	228.96	238.32	251.29
22.5	212.67	210.41	210.90	207.98	213.22	234.86	232.70	229.85	226.07
45.0	175.22	172.92	171.69	171.49	181.31	189.43	188.76	186.13	185.50
67.5	141.19	140.52	140.01	139.06	139.00	137.40	136.22	135.71	137.25
90.0	116.48	116.09	115.34	115.04	114.16	113.26	112.90	111.97	111.31
112.5	114.12	113.41	113.05	112.10	111.67	110.66	110.19	109.17	108.56
135.0	107.97	107.11	106.50	105.57	105.12	104.07	103.31	102.27	101.65
157.5	99.76	98.57	97.89	96.74	95.86	94.67	93.46	92.46	91.48
180.0	91.63	90.52	89.51	88.04	86.64	85.44	84.21	82.73	81.23
202.5	93.51	92.13	91.17	89.93	88.20	87.12	86.04	84.83	82.96
225.0	102.30	101.26	100.12	99.27	97.99	97.24	96.00	95.04	93.72
247.5	109.35	108.42	107.93	107.04	106.17	105.26	104.33	103.38	102.67
270.0	114.06	113.47	112.55	112.05	111.31	110.56	109.54	108.82	108.17
292.5	116.44	115.78	115.30	114.41	113.86	113.33	112.23	111.51	110.92
315.0	142.14	142.33	144.85	156.38	160.08	157.80	157.16	156.97	156.48
337.5	184.90	199.70	198.14	197.34	194.92	192.24	201.07	211.36	209.78
360.0	210.24	209.88	212.21	236.62	234.36	230.96	228.96	238.32	251.29

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	249.06	244.99	241.56	260.63	257.64	251.83	258.39	265.35	260.87
22.5	227.30	249.47	246.43	241.89	237.70	250.73	246.47	241.53	243.39
45.0	184.26	191.23	198.65	195.83	193.05	189.23	194.67	201.93	199.38
67.5	147.61	147.69	149.04	147.41	146.12	144.12	143.21	141.47	141.44
90.0	110.32	109.81	108.84	107.93	106.86	106.19	105.16	103.74	103.00
112.5	107.47	106.91	105.81	104.59	103.94	102.76	101.97	100.56	99.76
135.0	100.41	99.20	98.50	97.34	96.32	95.05	94.22	92.81	91.79
157.5	90.22	88.92	87.80	86.33	85.33	83.94	82.73	81.13	79.65
180.0	79.92	78.58	76.56	75.38	73.99	72.56	70.47	69.05	67.52
202.5	81.75	80.47	78.93	77.34	76.02	74.64	72.98	71.34	69.94
225.0	92.42	91.47	90.43	88.96	87.57	86.40	85.22	83.72	82.25
247.5	101.52	100.53	99.42	98.21	97.34	96.22	95.03	93.67	92.45
270.0	106.88	106.04	105.21	104.11	102.90	101.92	101.03	99.75	98.47
292.5	109.97	108.99	108.36	107.41	106.08	105.36	104.37	104.52	107.83
315.0	154.11	161.31	167.99	167.00	164.38	161.54	160.06	159.26	165.21
337.5	207.48	204.03	209.56	218.02	214.57	211.29	212.40	220.85	217.17
360.0	249.06	244.99	241.56	260.63	257.64	251.83	258.39	265.35	260.87

Intensity data(cd)

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	268.24	269.15	262.99	258.19	267.77	259.96	272.55	265.59	272.85
22.5	248.70	243.71	242.86	249.02	241.85	237.37	245.52	237.18	244.63
45.0	194.76	193.75	202.68	198.42	196.32	199.84	195.91	191.04	193.08
67.5	145.64	144.86	142.73	140.77	139.87	139.35	142.46	138.92	136.54
90.0	102.11	101.06	99.48	98.52	97.39	96.08	94.71	93.63	92.42
112.5	98.50	97.47	96.05	95.13	93.73	92.62	91.07	90.01	88.49
135.0	90.42	89.47	87.81	86.34	85.31	84.23	82.43	80.88	79.73
157.5	78.54	77.23	75.48	73.90	72.55	71.15	69.52	67.88	66.48
180.0	65.75	64.02	62.51	60.90	59.05	57.27	55.66	54.01	51.64
202.5	68.43	66.28	64.83	63.29	61.49	59.72	58.15	56.53	54.62
225.0	81.00	79.32	78.16	76.59	75.27	73.43	71.77	70.37	68.50
247.5	91.17	90.13	88.62	87.26	85.87	84.72	83.06	81.63	80.11
270.0	97.36	96.31	94.56	93.37	92.23	90.73	89.27	87.97	86.69
292.5	109.43	108.69	107.02	105.35	104.33	103.15	101.13	99.78	98.48
315.0	163.15	160.62	157.90	162.58	161.05	158.17	156.15	157.09	154.43
337.5	214.65	223.82	219.10	214.93	223.78	219.60	212.33	214.83	210.59
360.0	268.24	269.15	262.99	258.19	267.77	259.96	272.55	265.59	272.85

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	264.10	271.51	266.49	262.14	262.45	262.05	258.68	246.38	234.48
22.5	237.70	242.73	233.64	237.69	233.50	232.07	231.68	232.69	230.27
45.0	188.31	183.76	184.71	180.56	182.42	178.23	175.36	170.78	166.71
67.5	134.14	132.38	129.56	127.58	125.90	124.92	122.18	119.33	115.93
90.0	91.01	89.51	88.30	86.98	85.45	83.72	82.38	80.84	79.26
112.5	86.72	85.59	84.07	82.68	80.94	79.72	78.12	76.67	74.91
135.0	78.18	76.62	75.02	73.76	71.77	70.53	68.92	67.61	65.53
157.5	64.54	63.26	61.53	60.06	58.09	56.30	54.69	53.08	51.19
180.0	49.97	48.25	46.41	44.38	42.67	40.91	39.04	36.95	35.19
202.5	52.79	51.15	49.45	47.04	45.35	43.60	41.73	39.66	37.92
225.0	67.13	65.40	63.92	61.96	60.49	58.72	57.15	55.01	53.22
247.5	78.32	76.82	75.24	73.92	72.09	70.50	68.88	67.02	65.62
270.0	85.09	83.48	82.14	80.77	78.65	77.20	75.76	74.06	72.30
292.5	97.08	95.36	94.09	92.49	90.86	89.08	87.85	86.40	84.61
315.0	151.99	149.20	145.93	142.76	140.46	137.16	134.19	131.05	127.04
337.5	209.15	204.13	204.28	199.11	197.88	195.19	190.07	188.28	183.92
360.0	264.10	271.51	266.49	262.14	262.45	262.05	258.68	246.38	234.48

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	220.08	205.73	191.95	179.70	162.69	150.72	142.16	131.83	117.29
22.5	219.70	205.82	197.14	186.81	172.32	161.68	151.65	141.29	130.55
45.0	160.69	156.61	152.16	147.08	141.09	136.21	130.94	125.70	119.72
67.5	112.38	110.16	108.06	105.70	102.96	100.64	98.01	95.05	92.22
90.0	78.05	76.71	75.18	73.57	72.29	70.88	69.35	67.61	66.21
112.5	73.70	72.14	70.73	68.92	67.35	65.95	64.21	62.96	61.42
135.0	63.91	62.55	60.94	59.36	57.82	56.51	54.73	53.32	51.77
157.5	49.45	47.87	46.24	44.41	42.72	41.17	39.11	37.50	36.01
180.0	33.39	30.96	29.19	27.42	25.62	23.59	21.93	20.25	18.60
202.5	36.14	34.10	32.24	30.51	28.77	26.45	24.83	23.16	21.31
225.0	51.62	49.95	48.05	46.27	44.71	43.08	41.27	39.60	38.16
247.5	63.96	62.34	60.31	58.65	57.01	55.70	53.71	52.17	50.64
270.0	70.79	69.26	67.45	65.69	64.17	62.63	60.47	59.04	57.60
292.5	82.47	80.73	79.10	76.42	74.88	73.21	71.37	69.29	67.72
315.0	123.74	120.61	117.55	113.50	109.94	106.40	102.41	99.32	95.98
337.5	177.94	170.40	163.67	154.61	147.10	140.49	133.52	126.10	119.40
360.0	220.08	205.73	191.95	179.70	162.69	150.72	142.16	131.83	117.29

Intensity data(cd)

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	106.29	95.75	85.62	75.43	68.18	61.73	54.06	50.11	45.40
22.5	121.19	112.36	103.10	92.87	84.60	77.47	71.16	64.12	59.67
45.0	114.75	109.77	104.73	98.73	94.49	90.23	86.37	83.35	81.22
67.5	89.80	87.16	83.71	81.46	79.13	77.03	74.81	73.25	71.73
90.0	64.77	63.20	62.04	60.75	59.52	58.25	57.38	56.51	55.73
112.5	60.08	58.44	57.25	55.93	54.73	53.38	52.33	51.49	50.89
135.0	50.50	48.63	47.22	46.09	44.81	43.60	42.52	41.77	41.04
157.5	34.56	32.92	31.48	30.21	28.97	27.66	26.60	25.83	25.21
180.0	16.75	15.24	13.75	13.29	10.61	9.42	8.58	7.50	6.77
202.5	19.70	18.24	16.80	15.29	14.08	13.15	12.36	11.40	10.92
225.0	36.24	34.78	33.52	32.28	31.00	29.97	29.32	28.60	28.22
247.5	48.99	47.75	46.44	45.23	43.91	43.16	42.32	41.76	41.41
270.0	56.40	54.50	53.31	52.19	51.02	50.03	49.38	48.82	48.38
292.5	66.11	63.92	62.55	61.44	60.16	58.68	57.83	57.25	56.98
315.0	92.75	88.73	85.74	82.93	80.45	77.69	75.90	74.13	72.81
337.5	113.30	105.97	100.34	94.58	89.67	83.59	79.69	77.03	74.95
360.0	106.29	95.75	85.62	75.43	68.18	61.73	54.06	50.11	45.40

C/γ(°)	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0
0.0	43.20	42.91	44.05	45.81	48.25	51.12	52.69	54.42	56.39
22.5	56.17	53.67	52.40	53.19	54.20	56.04	57.76	59.31	60.32
45.0	79.21	78.90	77.47	77.10	76.87	77.14	77.20	77.34	77.18
67.5	70.47	69.55	69.21	68.73	68.52	68.64	68.53	68.41	68.20
90.0	55.12	54.79	54.63	54.56	54.60	54.53	54.42	54.32	54.32
112.5	50.23	49.88	49.77	49.74	49.67	49.48	49.41	49.35	49.13
135.0	40.46	40.10	40.09	39.89	39.80	39.83	39.66	39.63	39.48
157.5	24.42	24.18	24.09	24.02	23.98	24.00	23.96	23.93	23.82
180.0	6.29	5.92	5.90	5.92	5.92	5.92	5.93	5.93	5.93
202.5	10.73	10.68	10.61	10.61	10.57	10.57	10.51	10.50	10.45
225.0	27.99	27.95	27.88	27.73	27.75	27.60	27.58	27.42	27.39
247.5	41.21	41.10	41.11	41.03	40.90	40.84	40.71	40.71	40.54
270.0	48.40	48.33	48.25	48.10	48.11	48.01	47.94	47.71	47.66
292.5	56.55	55.81	55.64	55.63	55.57	55.53	55.48	55.27	55.15
315.0	71.74	70.63	70.11	70.11	70.20	69.96	70.03	69.74	69.61
337.5	73.27	72.75	72.07	72.23	72.78	72.86	73.17	73.45	73.47
360.0	43.20	42.91	44.05	45.81	48.25	51.12	52.69	54.42	56.39

C/γ(°)	99.0	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0
0.0	58.25	59.83	61.24	62.48	63.36	64.53	66.56	68.99	70.14
22.5	61.93	63.30	64.35	65.72	66.51	67.48	68.14	69.83	71.22
45.0	77.07	76.91	76.91	76.61	76.46	76.36	75.93	75.38	74.98
67.5	68.18	67.80	67.54	67.02	66.82	66.28	65.61	65.29	64.66
90.0	54.17	53.99	53.86	53.61	53.45	53.21	52.98	52.66	52.37
112.5	49.03	48.92	48.77	48.48	48.36	48.02	47.95	47.59	47.42
135.0	39.48	39.27	39.18	39.01	38.95	38.69	38.49	38.39	38.10
157.5	23.82	23.75	23.62	23.59	23.53	23.41	23.26	23.20	23.05
180.0	5.92	5.95	5.95	5.93	5.92	5.93	5.90	5.89	5.88
202.5	10.40	10.37	10.35	10.30	10.24	10.22	10.15	10.11	10.04
225.0	27.22	27.14	26.94	26.88	26.70	26.48	26.37	26.28	26.05
247.5	40.41	40.26	40.03	39.89	39.74	39.53	39.24	39.05	38.74
270.0	47.51	47.36	47.07	46.97	46.76	46.40	46.25	45.95	45.69
292.5	55.08	54.78	54.59	54.42	54.24	53.86	53.57	53.29	53.01
315.0	69.24	69.15	68.64	68.14	67.92	67.31	66.83	66.20	65.85
337.5	73.74	73.93	74.17	74.15	74.46	74.59	74.68	74.48	74.61
360.0	58.25	59.83	61.24	62.48	63.36	64.53	66.56	68.99	70.14

Intensity data(cd)

C/γ(°)	108.0	109.0	110.0	111.0	112.0	113.0	114.0	115.0	116.0
0.0	71.15	71.99	73.56	74.07	74.74	75.02	75.12	75.05	74.61
22.5	72.49	73.07	73.79	75.14	75.72	76.15	75.69	76.10	75.41
45.0	74.59	74.07	73.43	72.86	72.14	71.35	70.72	70.27	69.62
67.5	64.20	63.40	62.99	62.27	61.65	60.90	60.42	59.63	58.72
90.0	51.97	51.78	51.38	51.03	50.63	50.33	49.87	49.26	48.95
112.5	47.12	46.73	46.50	46.24	45.86	45.42	45.14	44.67	44.41
135.0	37.92	37.67	37.51	37.22	36.92	36.66	36.45	36.03	35.73
157.5	22.94	22.75	22.67	22.48	22.28	22.15	22.03	21.82	21.57
180.0	5.88	5.85	5.80	5.80	5.77	5.75	5.70	5.67	5.63
202.5	10.01	9.94	9.89	9.82	9.78	9.69	9.58	9.53	9.45
225.0	25.80	25.69	25.46	25.29	25.04	24.91	24.62	24.45	24.19
247.5	38.61	38.25	38.00	37.68	37.31	37.04	36.73	36.37	35.96
270.0	45.29	45.09	44.71	44.38	43.91	43.63	43.21	42.62	42.31
292.5	52.55	52.13	51.78	51.25	50.77	50.37	49.98	49.44	48.93
315.0	65.15	64.57	63.88	63.40	62.51	61.78	61.30	60.54	59.92
337.5	74.89	74.84	74.72	74.65	74.39	73.57	73.30	72.42	71.86
360.0	71.15	71.99	73.56	74.07	74.74	75.02	75.12	75.05	74.61

C/γ(°)	117.0	118.0	119.0	120.0	121.0	122.0	123.0	124.0	125.0
0.0	74.28	73.38	72.89	72.13	70.92	70.30	69.09	67.49	65.74
22.5	74.75	74.30	73.25	72.33	71.11	69.96	69.21	66.87	65.32
45.0	68.72	68.26	67.45	66.40	65.49	64.32	63.32	61.68	60.41
67.5	58.16	57.59	56.85	55.87	55.31	54.55	54.00	53.12	52.37
90.0	48.43	47.97	47.36	46.99	46.40	45.88	45.22	44.78	44.15
112.5	43.91	43.59	43.07	42.72	42.18	41.80	41.18	40.59	40.18
135.0	35.47	35.21	34.72	34.37	34.07	33.93	33.22	32.85	32.49
157.5	21.44	21.21	21.01	20.75	20.58	20.33	20.10	19.81	19.61
180.0	5.60	5.54	5.50	5.43	5.36	5.31	5.24	5.18	5.10
202.5	9.37	9.27	9.22	9.12	9.03	8.91	8.84	8.73	8.58
225.0	24.03	23.72	23.44	23.27	22.97	22.69	22.39	22.16	21.83
247.5	35.68	35.37	34.99	34.56	34.24	33.77	33.29	32.93	32.52
270.0	41.85	41.40	40.87	40.54	40.03	39.57	39.00	38.64	38.09
292.5	48.48	48.01	47.29	46.84	46.35	45.73	45.12	44.65	44.24
315.0	59.52	59.00	58.16	57.40	56.66	56.33	55.18	54.17	53.44
337.5	70.80	70.34	68.89	67.82	66.89	65.92	64.21	63.29	61.65
360.0	74.28	73.38	72.89	72.13	70.92	70.30	69.09	67.49	65.74

C/γ(°)	126.0	127.0	128.0	129.0	130.0	131.0	132.0	133.0	134.0
0.0	64.21	62.18	59.60	57.17	55.01	52.88	51.29	48.96	47.10
22.5	64.07	61.96	59.53	58.26	56.36	54.40	52.56	50.93	49.15
45.0	59.18	58.12	56.68	55.27	54.01	52.98	51.45	50.05	48.63
67.5	51.48	50.60	49.65	49.10	48.14	46.79	45.79	44.63	43.52
90.0	43.59	42.85	42.15	41.57	41.00	40.28	39.54	38.91	38.06
112.5	39.64	39.08	38.43	37.96	37.27	36.78	36.12	35.64	34.86
135.0	32.00	31.52	31.10	30.72	30.08	29.65	29.22	28.68	28.14
157.5	19.32	18.98	18.75	18.45	18.14	17.83	17.60	17.27	16.95
180.0	5.03	4.94	4.87	4.78	4.71	4.62	4.54	4.44	4.35
202.5	8.50	8.38	8.28	8.14	8.04	7.91	7.78	7.65	7.55
225.0	21.54	21.23	20.98	20.56	20.25	19.97	19.60	19.24	18.85
247.5	32.05	31.54	31.18	30.73	30.24	29.71	29.28	28.66	28.09
270.0	37.41	37.02	36.45	35.93	35.25	34.80	34.19	33.58	32.93
292.5	43.68	43.14	42.57	41.88	41.16	40.35	39.67	39.10	38.09
315.0	52.82	51.84	50.80	49.90	48.70	47.53	46.60	46.02	44.57
337.5	60.08	58.41	57.20	55.76	54.20	52.36	51.25	49.87	48.02
360.0	64.21	62.18	59.60	57.17	55.01	52.88	51.29	48.96	47.10

Intensity data(cd)

C/γ(°)	135.0	136.0	137.0	138.0	139.0	140.0	141.0	142.0	143.0
0.0	44.83	43.17	41.75	39.82	37.51	35.55	34.91	32.89	31.16
22.5	46.57	45.23	43.63	41.34	38.92	36.99	35.74	34.44	32.54
45.0	46.54	45.62	44.19	43.06	41.21	39.53	37.80	36.07	34.46
67.5	42.26	41.37	40.41	39.38	38.33	37.43	36.39	35.08	34.01
90.0	37.47	36.69	36.00	35.08	34.29	33.60	32.86	32.00	31.15
112.5	34.19	33.67	32.90	32.33	31.59	31.02	30.18	29.56	28.81
135.0	27.65	27.19	26.60	26.01	25.86	24.97	24.21	23.70	23.16
157.5	16.62	16.36	15.91	15.54	15.26	14.88	14.52	14.16	13.85
180.0	4.28	4.18	4.10	4.02	3.95	3.84	3.79	3.72	3.64
202.5	7.40	7.23	7.13	6.97	6.85	6.68	6.55	6.39	6.25
225.0	18.55	18.09	17.73	17.34	17.02	16.49	16.10	15.74	15.31
247.5	27.62	27.19	26.52	25.92	25.43	24.75	24.22	23.59	23.03
270.0	32.41	31.72	30.90	30.37	29.66	29.15	28.27	27.69	26.97
292.5	37.31	36.50	35.67	34.73	34.00	33.22	32.10	31.38	30.72
315.0	43.36	42.44	41.43	39.46	38.17	37.30	36.40	35.06	33.84
337.5	46.28	45.07	44.14	41.90	39.99	38.28	36.59	34.40	33.45
360.0	44.83	43.17	41.75	39.82	37.51	35.55	34.91	32.89	31.16

C/γ(°)	144.0	145.0	146.0	147.0	148.0	149.0	150.0	151.0	152.0
0.0	29.69	27.58	26.35	25.57	23.66	22.45	20.61	18.81	17.76
22.5	31.06	29.33	27.48	26.68	25.40	24.06	22.54	20.76	19.63
45.0	33.18	31.91	29.75	28.14	27.10	26.09	24.55	23.41	22.64
67.5	32.90	31.97	30.92	30.33	29.59	28.34	27.30	25.73	24.71
90.0	30.43	29.46	28.76	27.89	27.14	26.09	25.21	24.44	23.75
112.5	28.20	27.26	26.48	25.85	24.96	24.25	23.44	22.78	21.87
135.0	22.56	21.90	21.34	20.76	20.07	19.41	18.84	18.23	17.40
157.5	13.49	13.10	12.73	12.41	11.89	11.52	11.16	10.76	10.31
180.0	3.54	3.47	3.40	3.31	3.25	3.20	3.17	3.11	3.10
202.5	6.09	5.99	5.85	5.64	5.53	5.39	5.27	5.08	4.95
225.0	14.88	14.46	14.08	13.62	13.19	12.79	12.40	11.85	11.42
247.5	22.26	21.76	21.11	20.56	19.77	19.12	18.56	17.94	17.25
270.0	26.22	25.47	24.84	24.08	23.14	22.56	21.93	21.17	20.20
292.5	29.87	28.70	27.81	26.77	25.85	24.85	24.08	23.20	22.03
315.0	32.95	31.77	30.76	29.48	28.54	27.30	26.44	25.19	23.52
337.5	31.90	30.34	28.86	27.22	25.59	24.26	23.39	22.38	21.05
360.0	29.69	27.58	26.35	25.57	23.66	22.45	20.61	18.81	17.76

C/γ(°)	153.0	154.0	155.0	156.0	157.0	158.0	159.0	160.0	161.0
0.0	16.92	15.75	14.92	14.34	13.74	12.92	12.25	11.82	11.48
22.5	18.60	17.52	16.40	15.52	14.93	14.24	13.44	12.92	12.83
45.0	21.90	21.07	20.02	19.21	18.22	17.65	16.33	14.95	13.80
67.5	23.49	22.64	21.74	20.71	19.61	18.76	17.84	17.01	16.01
90.0	22.67	21.76	20.94	20.07	19.09	18.17	17.35	16.21	15.31
112.5	21.14	20.32	19.58	18.50	17.65	16.91	16.23	15.13	14.30
135.0	16.79	16.16	15.48	14.73	14.11	13.46	12.79	12.01	11.36
157.5	9.88	9.46	9.00	8.50	8.05	7.62	7.17	6.61	6.21
180.0	3.07	3.05	3.01	2.98	2.94	2.94	2.91	2.88	2.88
202.5	4.80	4.65	4.52	4.39	4.25	4.09	3.97	3.86	3.73
225.0	11.04	10.57	10.15	9.73	9.35	8.87	8.44	8.04	7.63
247.5	16.57	15.98	15.22	14.62	13.92	13.32	12.47	11.79	11.16
270.0	19.50	18.71	17.86	17.06	16.34	15.54	14.67	13.88	13.15
292.5	21.34	20.53	19.67	18.50	17.70	16.80	15.96	14.95	14.16
315.0	22.46	21.50	20.62	19.57	18.63	17.45	16.52	15.34	14.49
337.5	20.22	19.51	18.71	17.70	17.04	16.56	16.13	14.99	13.84
360.0	16.92	15.75	14.92	14.34	13.74	12.92	12.25	11.82	11.48

Intensity data(cd)

C/γ(°)	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0	170.0
0.0	10.64	10.14	9.62	9.20	8.41	7.99	7.57	7.10	6.15
22.5	12.82	11.81	11.25	10.60	9.99	8.86	8.29	7.76	7.26
45.0	12.97	12.15	11.23	10.34	9.65	8.99	8.35	7.44	6.72
67.5	15.03	13.84	12.54	11.62	10.84	9.86	8.64	7.78	6.94
90.0	14.57	13.72	12.53	11.59	10.67	9.71	8.57	7.62	6.75
112.5	13.52	12.64	11.68	10.79	9.88	8.65	7.73	7.00	6.16
135.0	10.66	9.94	8.97	8.22	7.59	6.65	5.99	5.34	4.75
157.5	5.75	5.20	4.84	4.52	4.25	3.96	3.73	3.53	3.33
180.0	2.85	2.85	2.82	2.82	2.78	2.65	2.51	2.46	2.42
202.5	3.59	3.48	3.37	3.24	3.11	3.02	2.92	2.81	2.74
225.0	7.06	6.67	6.32	5.95	5.43	5.07	4.71	4.36	3.99
247.5	10.40	9.78	9.12	8.51	7.78	7.19	6.60	5.83	5.27
270.0	12.12	11.33	10.61	9.84	8.97	8.25	7.56	6.85	6.09
292.5	13.29	12.33	11.48	10.70	9.86	8.84	8.12	7.34	6.62
315.0	13.68	12.83	11.72	10.70	9.92	9.14	8.27	7.55	6.85
337.5	12.83	12.10	10.83	10.01	9.35	8.73	7.98	7.04	6.44
360.0	10.64	10.14	9.62	9.20	8.41	7.99	7.57	7.10	6.15

C/γ(°)	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	5.47	5.03	4.52	4.18	3.79	3.47	3.00	2.69	2.42
22.5	6.16	5.56	5.05	4.62	4.28	3.89	3.30	2.98	2.69
45.0	6.15	5.59	5.41	4.41	3.93	3.47	3.10	2.65	2.39
67.5	6.24	5.47	4.88	4.32	3.80	3.20	2.74	2.40	2.32
90.0	5.92	5.08	4.48	3.95	3.40	2.76	2.45	2.30	2.26
112.5	5.13	4.46	3.95	3.48	3.01	2.65	2.45	2.32	2.23
135.0	4.15	3.74	3.37	3.04	2.66	2.42	2.32	2.23	2.15
157.5	3.10	2.94	2.82	2.65	2.42	2.26	2.13	2.17	2.25
180.0	2.39	2.35	2.33	2.36	2.35	2.35	2.29	2.25	2.30
202.5	2.68	2.61	2.53	2.51	2.49	2.48	2.46	2.22	2.20
225.0	3.69	3.38	3.02	2.84	2.62	2.48	2.35	2.33	2.25
247.5	4.74	4.23	3.77	3.28	2.92	2.62	2.36	2.28	2.30
270.0	5.44	4.84	4.26	3.59	3.14	2.75	2.48	2.32	2.35
292.5	5.80	5.16	4.52	3.96	3.37	2.95	2.59	2.33	2.30
315.0	5.95	5.33	4.72	4.15	3.54	3.10	2.72	2.45	2.20
337.5	5.77	5.23	4.72	4.23	3.57	3.18	2.85	2.62	2.29
360.0	5.47	5.03	4.52	4.18	3.79	3.47	3.00	2.69	2.42

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