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Green Earth Optoelectronics Co.,Ltd

LumCAT: GE-05005(4000K)
Luminaire: LED Downlight

Report No: BSR1508180201-10	Voltage(V): 229.9300
Test No: BSR1508180201-10	Current(A): 0.0420
LampCAT:	Power (W): 7.9200
Lamp flux(lm)	PF: 0.8160
Number of Lamps: 1	Ballast type:
Length(mm): 77	Width(mm): 77
Phm Type: C	Height(mm): 45

Photometric Results

Lumens(lm): 756.43
Lumens(lm)/Power(W): 95.51
Central intensity(cd): 1604.956
Maximum intensity(cd): 1631.240
Angle of maximum intensity: C=180.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=35.4
[C90/270]Total=35.4
Field angle(10%Imax): [C0/180]Total=72.1
[C90/270]Total=71.9
Maximum s/h(1/2): C0_180=0.60 C90_270=0.56
Maximum s/h(1/4): C0_180=1.22 C90_270=0.82
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.526%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1604.957	.000	.000	.000%	.000%
2.5	1585.198	9.539	9.539	1.261%	1.261%
5.0	1515.853	27.800	37.339	3.675%	4.936%
7.5	1416.485	43.757	81.095	5.785%	10.721%
10.0	1286.174	56.353	137.449	7.450%	18.171%
12.5	1134.191	64.722	202.170	8.556%	26.727%
15.0	977.078	68.783	270.953	9.093%	35.820%
17.5	812.449	68.638	339.591	9.074%	44.894%
20.0	660.611	64.901	404.492	8.580%	53.474%
22.5	530.664	59.180	463.672	7.824%	61.298%
25.0	420.793	52.524	516.196	6.944%	68.241%
27.5	336.077	45.884	562.080	6.066%	74.307%
30.0	281.207	40.696	602.776	5.380%	79.687%
32.5	231.251	36.439	639.215	4.817%	84.505%
35.0	180.682	31.369	670.584	4.147%	88.651%
37.5	129.653	25.152	695.736	3.325%	91.977%
40.0	81.919	18.152	713.888	2.400%	94.376%
42.5	42.718	11.264	725.152	1.489%	95.865%
45.0	18.838	5.834	730.986	.771%	96.637%
47.5	13.442	3.196	734.182	.423%	97.059%
50.0	12.112	2.633	736.816	.348%	97.407%
52.5	10.864	2.456	739.272	.325%	97.732%
55.0	9.369	2.236	741.509	.296%	98.028%
57.5	8.111	1.992	743.501	.263%	98.291%
60.0	7.076	1.780	745.280	.235%	98.526%
62.5	6.207	1.596	746.877	.211%	98.737%
65.0	5.578	1.449	748.325	.192%	98.929%
67.5	5.009	1.328	749.653	.176%	99.105%
70.0	4.497	1.214	750.868	.161%	99.265%
72.5	4.065	1.111	751.979	.147%	99.412%
75.0	3.681	1.019	752.998	.135%	99.547%
77.5	3.329	.933	753.931	.123%	99.670%
80.0	2.985	.849	754.780	.112%	99.782%
82.5	2.421	.732	755.512	.097%	99.879%
85.0	1.354	.514	756.027	.068%	99.947%
87.5	.787	.293	756.320	.039%	99.986%
90.0	.000	.108	756.427	.014%	100.000%
92.5	.000	.000	756.427	.000%	100.000%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
95.0	.000	.000	756.427	.000%	100.000%
97.5	.000	.000	756.427	.000%	100.000%
100.0	.000	.000	756.427	.000%	100.000%
102.5	.000	.000	756.427	.000%	100.000%
105.0	.000	.000	756.427	.000%	100.000%
107.5	.000	.000	756.427	.000%	100.000%
110.0	.000	.000	756.427	.000%	100.000%
112.5	.000	.000	756.427	.000%	100.000%
115.0	.000	.000	756.427	.000%	100.000%
117.5	.000	.000	756.427	.000%	100.000%
120.0	.000	.000	756.427	.000%	100.000%
122.5	.000	.000	756.427	.000%	100.000%
125.0	.000	.000	756.427	.000%	100.000%
127.5	.000	.000	756.427	.000%	100.000%
130.0	.000	.000	756.427	.000%	100.000%
132.5	.000	.000	756.427	.000%	100.000%
135.0	.000	.000	756.427	.000%	100.000%
137.5	.000	.000	756.427	.000%	100.000%
140.0	.000	.000	756.427	.000%	100.000%
142.5	.000	.000	756.427	.000%	100.000%
145.0	.000	.000	756.427	.000%	100.000%
147.5	.000	.000	756.427	.000%	100.000%
150.0	.000	.000	756.427	.000%	100.000%
152.5	.000	.000	756.427	.000%	100.000%
155.0	.000	.000	756.427	.000%	100.000%
157.5	.000	.000	756.427	.000%	100.000%
160.0	.000	.000	756.427	.000%	100.000%
162.5	.000	.000	756.427	.000%	100.000%
165.0	.000	.000	756.427	.000%	100.000%
167.5	.000	.000	756.427	.000%	100.000%
170.0	.000	.000	756.427	.000%	100.000%
172.5	.000	.000	756.427	.000%	100.000%
175.0	.000	.000	756.427	.000%	100.000%
177.5	.000	.000	756.427	.000%	100.000%
180.0	.000	.000	756.427	.000%	100.000%

Zonal flux distribution table

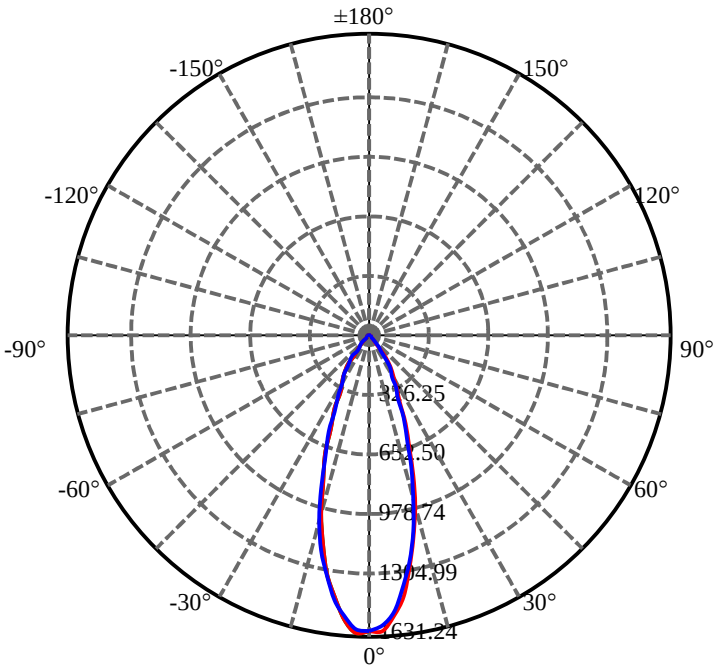
ZONAL LUMEN SUMMARY

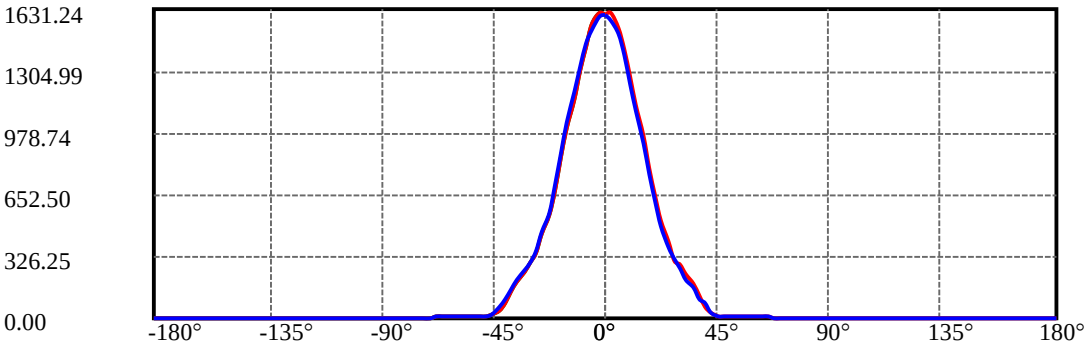
Zone	Lumens	%Fixt
0-30	602.78	79.69%
0-40	713.89	94.38%
0-60	745.28	98.53%
0-90	756.43	100.00%
0-120	756.43	100.00%
0-180	756.43	100.00%
60-90	12.93	1.71%
90-120	0.11	0.01%
90-130	0.11	0.01%
90-150	0.11	0.01%
90-180	0.11	0.01%
0-30.16	605.14	80.00%

ZONAL LUMEN SUMMARY

0-10	137.45
10-20	267.04
20-30	198.28
30-40	111.11
40-50	22.93
50-60	8.46
60-70	5.59
70-80	3.91
80-90	1.65
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

Light Distribution Curve [Unit:cd]





C180(Max):

C0/C180:

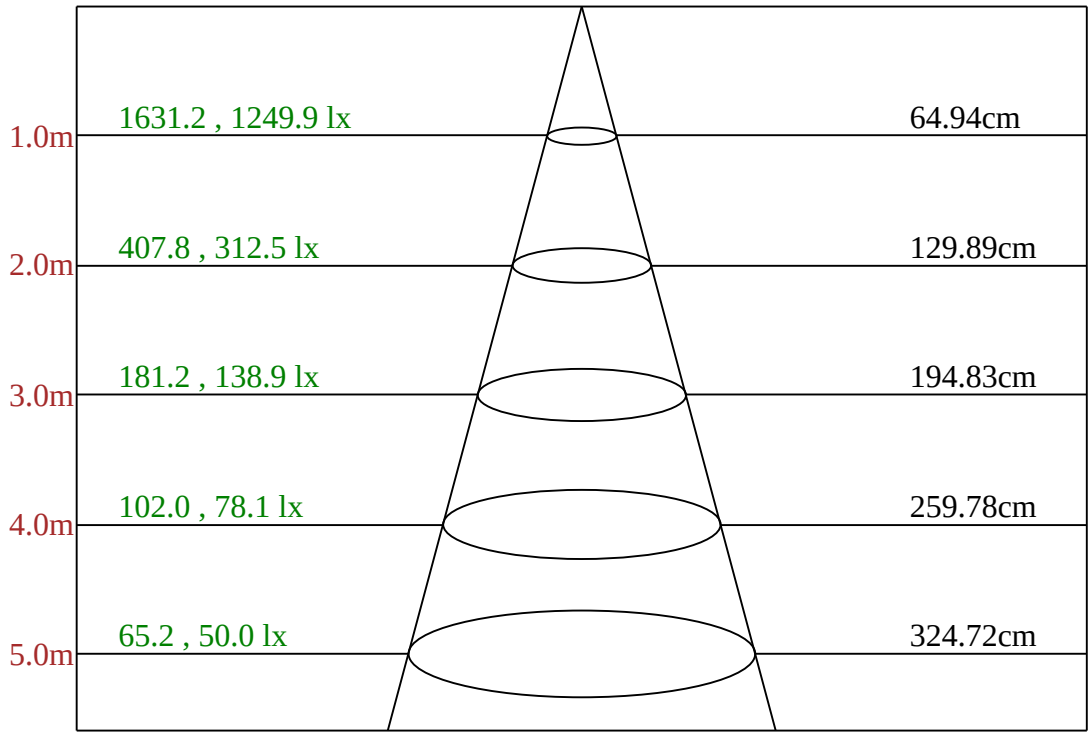
C90/C270:

Field angle(10%Imax):C0/180Left:36.4 Right:35.7
:C90/270Left:37.0 Right:34.9

Beam Angle(50%Imax):C0/180Left:18.1 Right:17.3
:C90/270Left:18.6 Right:16.8

Equipment: GMS2200 Date: 2015-8-18 Operator: Jeanne
Temperature(°C): 25.2 Humidity(%): 61.0% Distance(m): 12.40

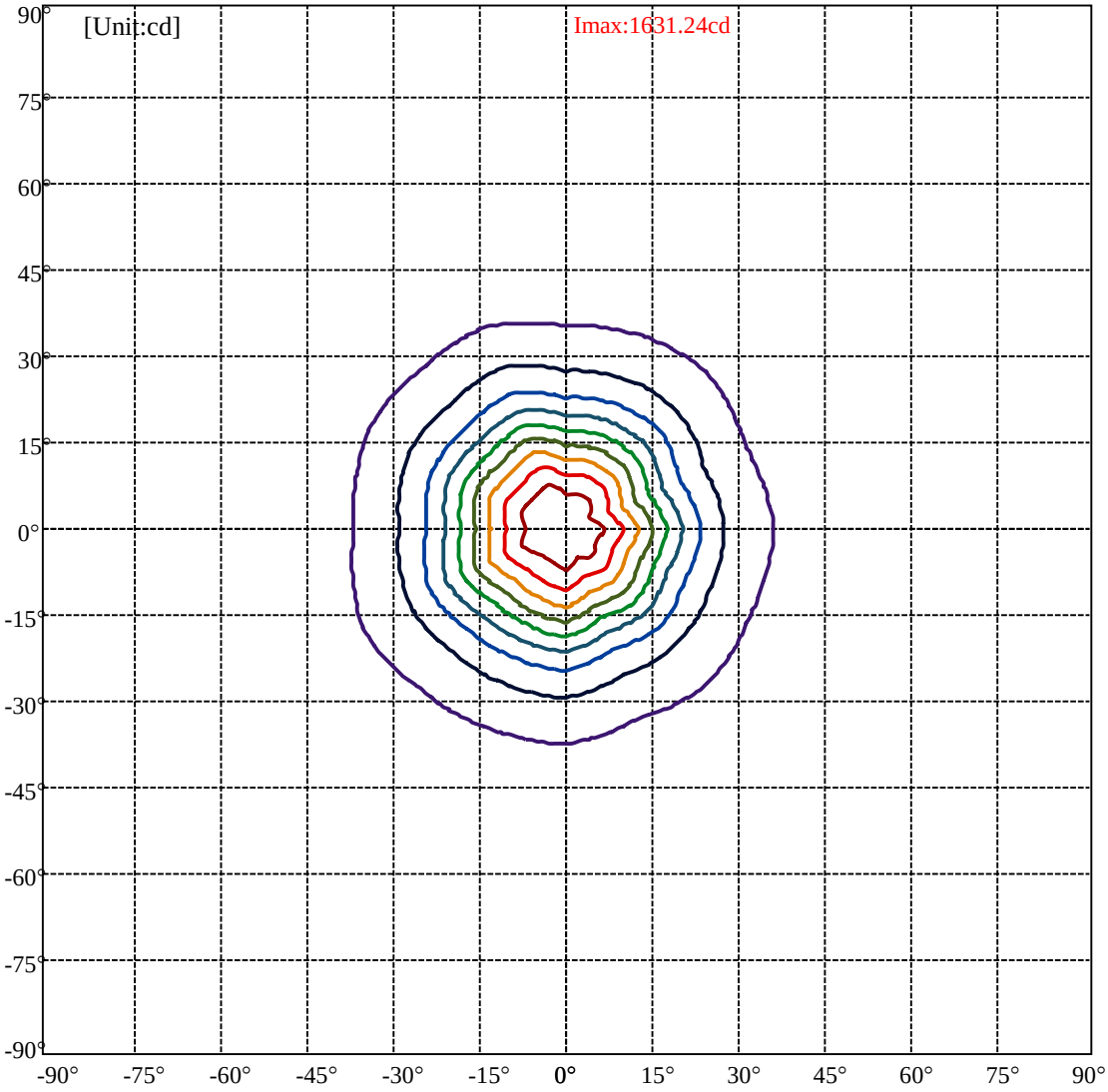
Lux distance Curve



Max , Ave

Beam angle of C180plane35.98

ISO-Intensity(V-H)



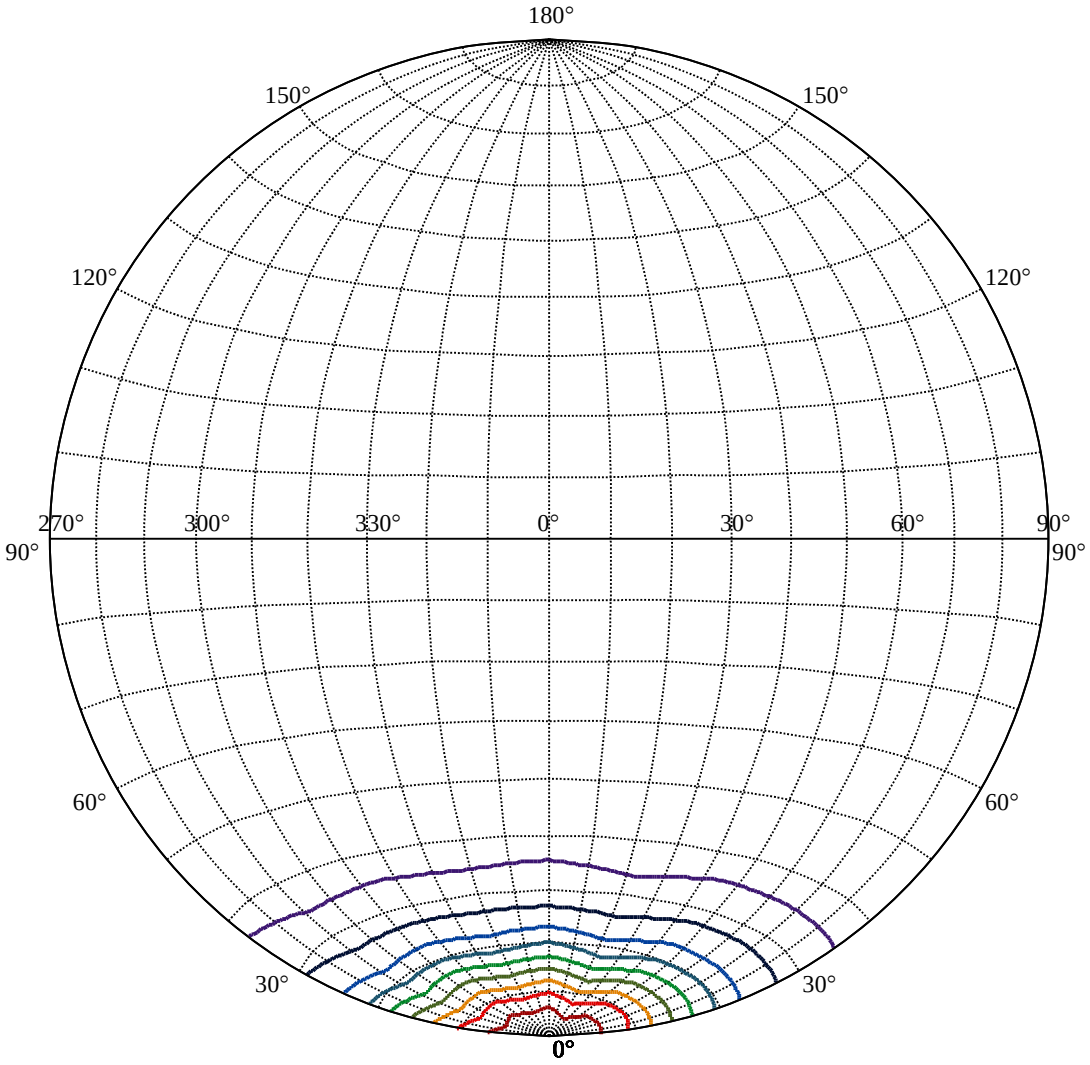
(10%Imax) 161.649
(20%Imax) 323.298
(30%Imax) 484.947
(40%Imax) 646.596
(50%Imax) 808.245
(60%Imax) 969.894
(70%Imax) 1131.54
(80%Imax) 1293.19
(90%Imax) 1454.84

Equipment: GMS2200
Temperature(°C): 25.2

Date: 2015-8-18
Humidity(%): 61.0%

Operator: Jeanne
Distance(m): 12.40

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:1631.24

(10%Imax) 161.663
(20%Imax) 323.326
(30%Imax) 484.99
(40%Imax) 646.653
(50%Imax) 808.316
(60%Imax) 969.979
(70%Imax) 1131.64
(80%Imax) 1293.31
(90%Imax) 1454.97

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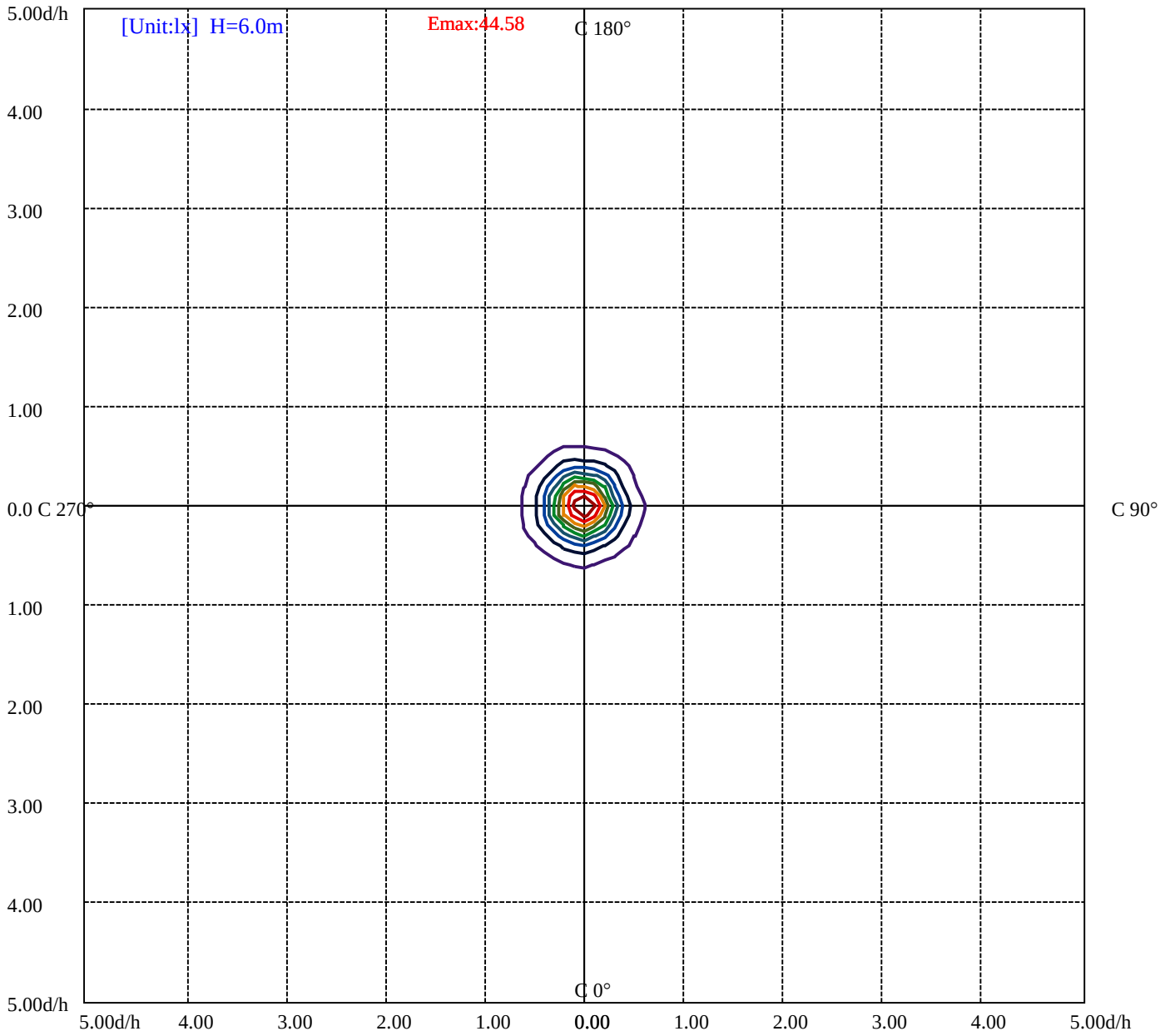
ISO illuminance diagram



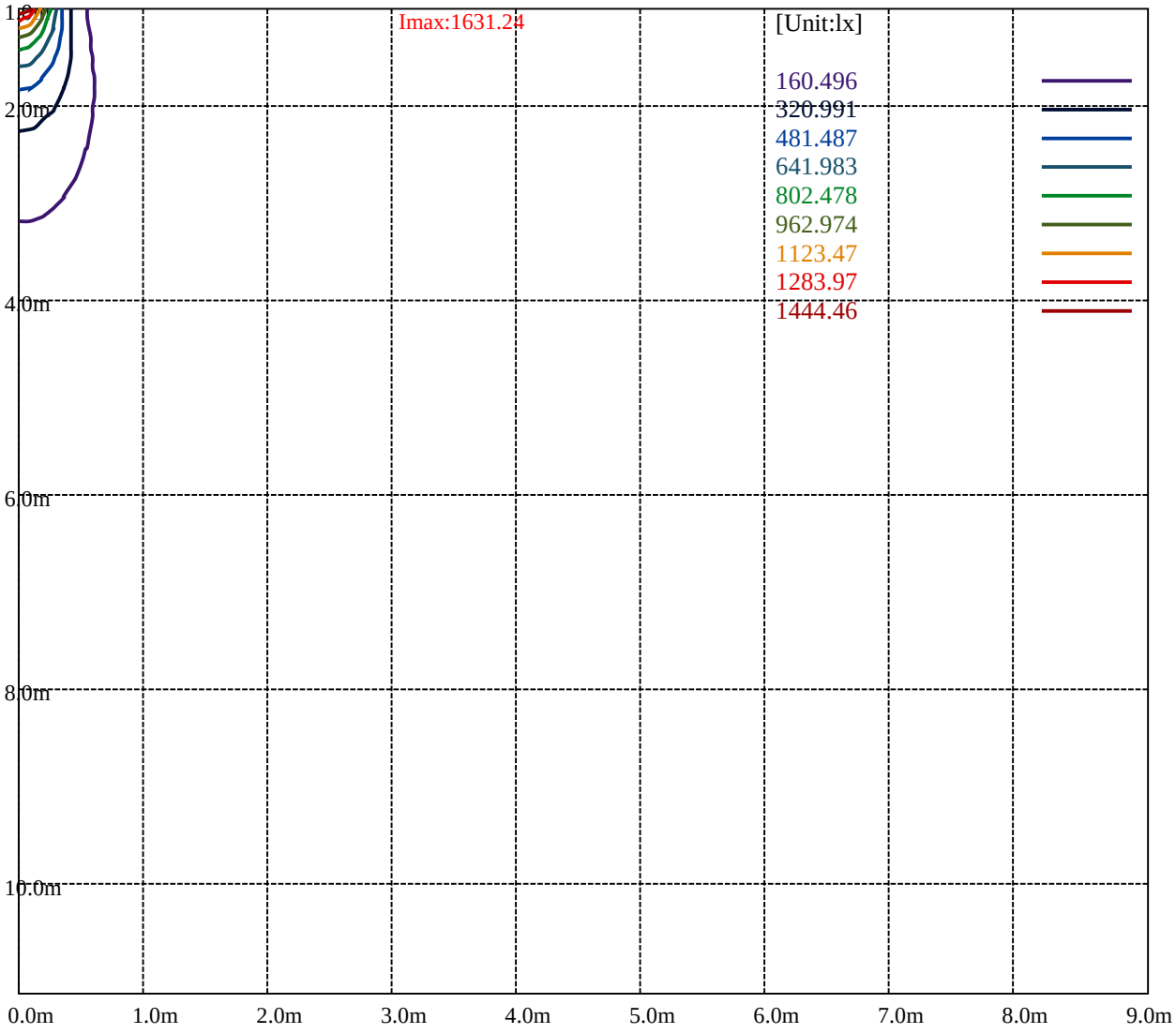
(10%Emax) 4.458194
(20%Emax) 8.916416
(30%Emax) 13.37461
(40%Emax) 17.83283
(50%Emax) 22.29103
(60%Emax) 26.74925
(70%Emax) 31.2075
(80%Emax) 35.66555
(90%Emax) 40.12389

Equipment: GMS2200
Temperature(°C): 25.2

Date: 2015-8-18
Humidity(%): 61.0%

Operator: Jeanne
Distance(m): 12.40

Space ISO Lux diagram



Equipment: GMS2200
Temperature(°C): 25.2

Date: 2015-8-18
Humidity(%): 61.0%

Operator: Jeanne
Distance(m): 12.40

Luminance Limitting Curve(no luminous side)

Luminance Table

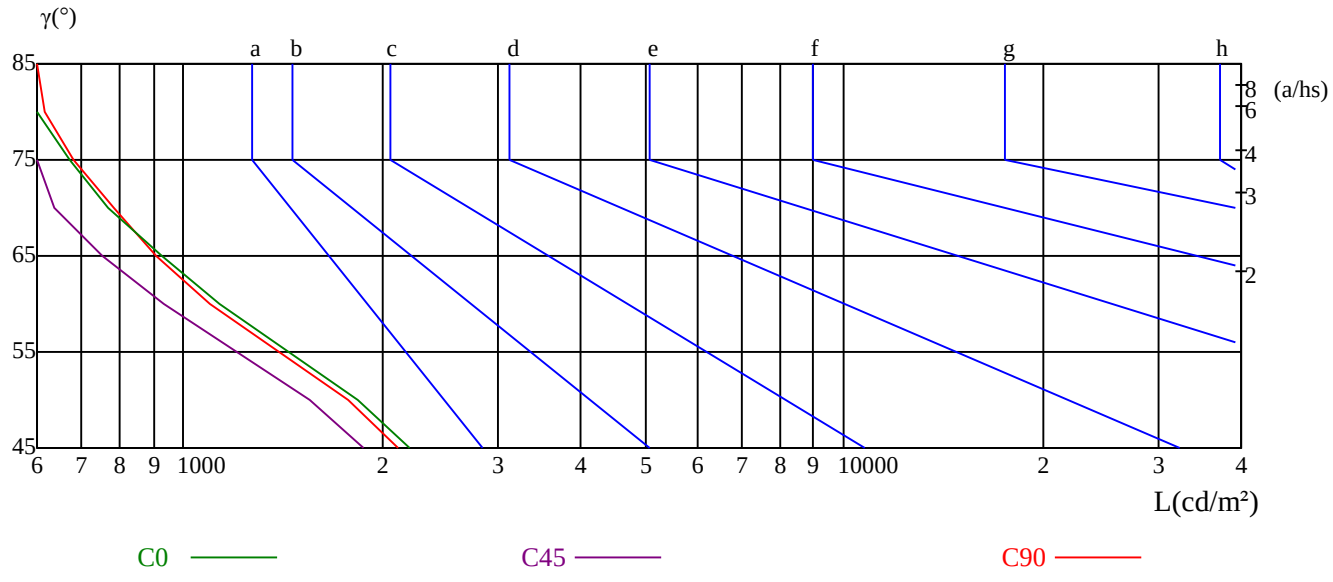
γ	45	50	55	60	65	70	75	80	85
C0	2199	1834	1444	1134	929	771	674	422	194
C45	1869	1549	1205	936	753	635	550	486	245
C90	2113	1779	1392	1098	910	783	684	616	213

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2231	2212	2221	2345	2410	2442	2068	2678	2693

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



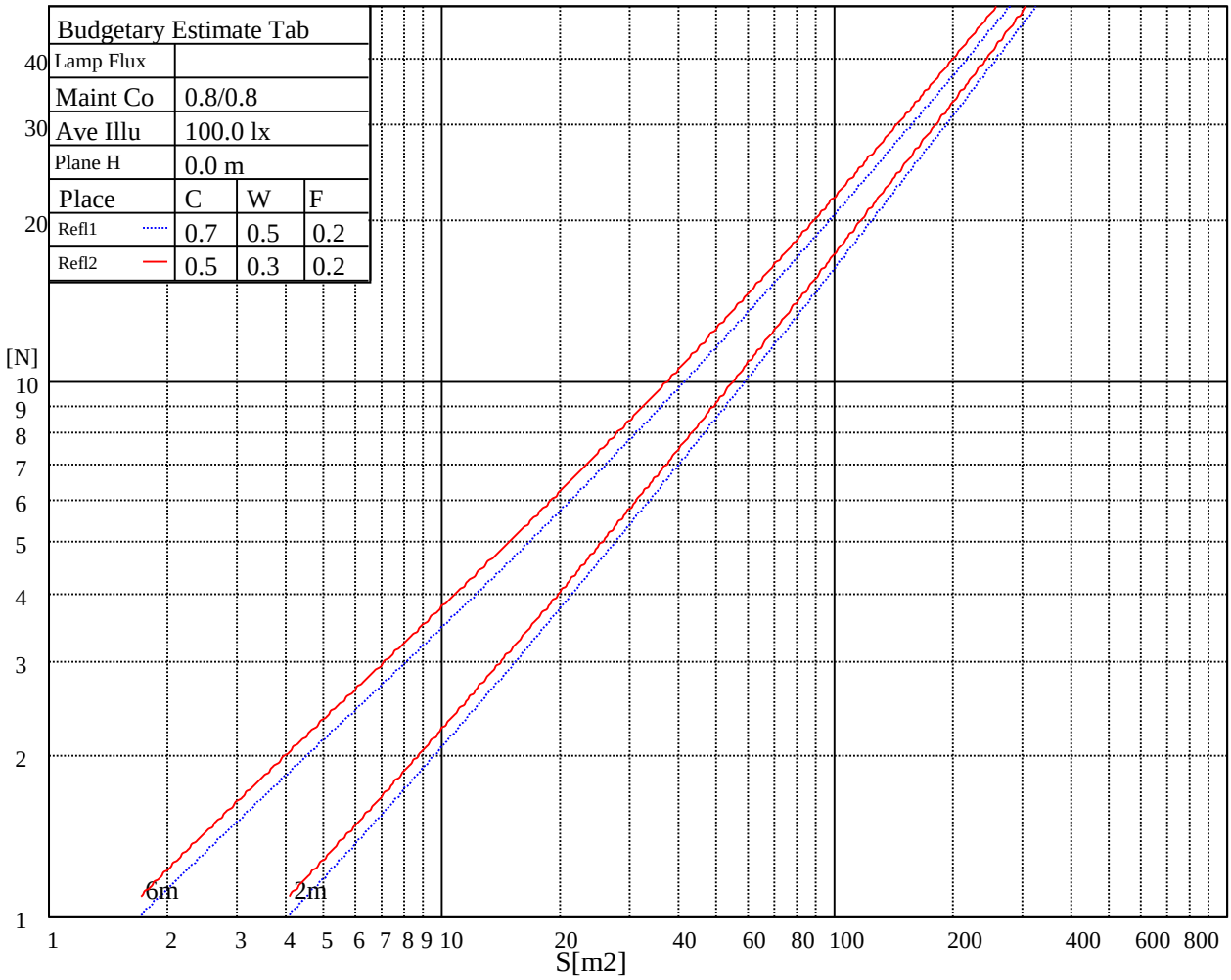
UGR Glare

Illuminatin assessment acconding 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	6.0	6.7	6.2	6.9	7.1	5.3	6.1	5.6	6.3	6.5
	3H	5.9	6.6	6.2	6.9	7.1	5.3	6.0	5.6	6.3	6.5
	4H	5.9	6.4	6.2	6.7	7.0	5.3	5.8	5.6	6.1	6.5
	6H	6.0	6.5	6.3	6.8	7.2	5.3	5.9	5.7	6.2	6.5
	8H	6.0	6.6	6.4	6.9	7.2	5.4	6.0	5.7	6.3	6.6
	12H	5.8	6.3	6.2	6.6	7.0	5.2	5.6	5.6	6.0	6.4
4H	2H	5.7	6.3	6.0	6.6	6.9	5.1	5.7	5.4	6.0	6.3
	3H	5.7	6.1	6.1	6.5	6.9	5.1	5.6	5.5	5.9	6.3
	4H	5.9	6.3	6.3	6.7	7.1	5.3	5.7	5.7	6.1	6.5
	6H	6.0	6.5	6.4	6.8	7.2	5.4	5.8	5.8	6.2	6.6
	8H	5.9	6.1	6.4	6.6	7.1	5.2	5.5	5.7	5.9	6.4
	12H	5.9	6.2	6.4	6.6	7.1	5.2	5.5	5.7	6.0	6.5
8H	4H	5.7	6.0	6.2	6.4	6.9	5.1	5.4	5.6	5.9	6.4
	6H	6.0	6.2	6.4	6.7	7.2	5.3	5.6	5.8	6.0	6.5
	8H	6.1	6.3	6.6	6.8	7.3	5.4	5.6	5.9	6.1	6.6
	12H	6.1	6.4	6.6	6.8	7.3	5.4	5.7	5.9	6.1	6.6
12H	4H	5.7	6.0	6.2	6.4	6.9	5.2	5.4	5.7	5.9	6.4
	6H	6.0	6.2	6.5	6.7	7.2	5.4	5.6	5.9	6.1	6.6
	8H	6.1	6.4	6.6	6.8	7.3	5.4	5.7	5.9	6.2	6.7

Variation with the observer position at spacings:		
S = 1.0H	4.7/-5.8	5.1/-5.5
S = 1.5H	7.2/-5.5	7.6/-5.3
S = 2.0H	9.0/-5.1	9.5/-5.2
Standard tables:	BK1	BK1
Uncorrected UGR	-6.4	-7.0

Budgetary Estimate Table



Equipment: GMS2200 Date: 2015-8-18 Operator: Jeanne
Temperature(°C): 25.2 Humidity(%): 61.0% Distance(m): 12.40

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.03	0.99	0.96	0.99	0.97	0.94	0.96	0.94	0.92	0.94	0.92	0.90	0.89
3	0.98	0.93	0.90	0.97	0.92	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.84
4	0.93	0.87	0.84	0.91	0.87	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.86	0.83	0.80	0.79
5	0.88	0.82	0.78	0.87	0.82	0.78	0.85	0.81	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
6	0.83	0.78	0.74	0.82	0.77	0.74	0.81	0.76	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.70	0.78	0.73	0.70	0.77	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.67
8	0.75	0.70	0.66	0.75	0.70	0.66	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.65	0.64
9	0.72	0.67	0.63	0.71	0.66	0.63	0.71	0.66	0.63	0.70	0.65	0.62	0.69	0.65	0.62	0.61
10	0.69	0.64	0.60	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.66	0.62	0.60	0.58

Intensity data(cd)

C/γ(°)	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0
0.0	1604.96	1606.02	1526.99	1421.97	1281.13	1127.83	961.00	792.63	649.94
22.5	1604.96	1523.45	1424.13	1303.12	1147.36	981.76	824.92	663.94	532.47
45.0	1604.96	1577.42	1504.39	1407.37	1270.52	1109.38	953.47	779.10	630.72
67.5	1604.96	1581.42	1513.15	1399.99	1280.98	1110.46	944.39	788.79	638.72
90.0	1604.96	1575.12	1501.16	1390.14	1241.00	1090.16	922.71	755.27	614.89
112.5	1604.96	1612.33	1576.04	1489.78	1383.23	1242.54	1081.70	923.64	745.43
135.0	1604.96	1609.41	1550.36	1455.95	1335.87	1188.57	1033.88	854.44	694.69
157.5	1604.96	1619.71	1576.66	1495.01	1373.69	1227.77	1081.24	916.26	754.81
180.0	1604.96	1612.64	1546.36	1429.51	1307.11	1159.97	999.44	846.14	683.77
202.5	1604.96	1593.11	1556.05	1481.48	1370.00	1230.54	1090.77	933.63	777.41
225.0	1604.96	1570.04	1496.85	1398.29	1274.21	1119.07	973.76	813.85	667.32
247.5	1604.96	1574.35	1502.39	1404.60	1281.44	1145.51	988.37	816.77	674.70
270.0	1604.96	1591.57	1522.53	1445.19	1322.34	1191.33	1030.35	874.43	713.29
292.5	1604.96	1559.28	1464.10	1365.08	1215.93	1064.94	894.58	730.82	591.21
315.0	1604.96	1587.42	1513.15	1417.98	1273.90	1113.53	956.69	788.17	623.50
337.5	1604.96	1569.89	1479.33	1358.32	1220.09	1043.72	895.96	721.29	576.91
360.0	1604.96	1606.02	1526.99	1421.97	1281.13	1127.83	961.00	792.63	649.94

C/γ(°)	22.5	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5
0.0	514.17	404.54	307.01	279.07	228.84	177.65	118.72	64.21	30.69
22.5	426.68	339.81	280.30	238.48	185.28	129.62	81.49	28.98	15.07
45.0	512.94	404.54	320.28	271.85	225.87	171.60	115.94	80.11	27.20
67.5	504.33	402.70	323.51	274.31	224.80	168.83	113.17	79.80	29.32
90.0	483.42	379.02	313.06	258.78	203.42	159.45	106.25	81.49	29.38
112.5	595.51	482.04	377.79	312.90	256.16	198.04	152.68	110.09	79.96
135.0	560.46	442.06	353.96	293.68	234.64	185.90	138.23	93.64	53.80
157.5	614.58	483.11	391.32	313.06	261.08	212.96	161.91	105.02	81.19
180.0	547.54	441.14	348.27	292.91	245.40	192.20	138.38	81.80	38.59
202.5	643.64	510.79	404.08	306.20	276.69	236.14	183.16	119.24	63.80
225.0	544.62	427.91	339.81	287.78	243.85	190.29	139.46	78.09	37.03
247.5	540.01	430.22	345.50	288.93	239.08	193.69	138.97	85.40	45.13
270.0	562.15	454.36	359.03	298.11	251.34	201.15	149.79	103.19	59.44
292.5	464.36	365.95	305.28	254.93	198.41	153.87	111.12	66.89	30.18
315.0	510.33	397.16	306.35	274.05	221.05	167.71	124.02	79.11	40.61
337.5	465.89	367.33	301.69	254.27	204.10	151.81	101.16	53.65	22.11
360.0	514.17	404.54	307.01	279.07	228.84	177.65	118.72	64.21	30.69

C/γ(°)	45.0	47.5	50.0	52.5	55.0	57.5	60.0	62.5	65.0
0.0	14.61	13.15	11.85	10.58	9.01	7.84	6.77	5.90	5.24
22.5	13.25	12.02	10.98	9.38	7.95	6.93	6.06	5.40	4.90
45.0	14.32	12.93	11.72	10.58	8.93	7.78	6.75	5.87	5.23
67.5	14.56	12.96	11.67	10.61	8.99	7.70	6.73	5.84	5.20
90.0	14.04	12.81	11.50	10.16	8.69	7.56	6.55	5.74	5.14
112.5	30.84	13.99	12.69	11.53	10.18	8.67	7.64	6.63	5.86
135.0	20.47	13.72	12.52	11.39	9.73	8.49	7.30	6.40	5.83
157.5	27.98	14.55	13.16	11.90	10.53	9.15	7.90	6.90	6.15
180.0	18.76	13.98	12.62	11.59	9.96	8.50	7.49	6.55	5.94
202.5	28.20	15.51	13.30	11.90	10.84	9.39	8.10	7.03	6.30
225.0	17.47	13.61	12.30	11.13	9.58	8.35	7.32	6.46	5.90
247.5	18.51	13.52	12.30	11.16	9.52	8.29	7.26	6.43	5.92
270.0	24.83	14.12	12.61	11.46	9.96	8.56	7.41	6.64	5.95
292.5	14.27	12.47	11.53	9.96	8.56	7.53	6.66	5.84	5.32
315.0	15.35	13.16	11.78	10.56	9.06	7.76	6.86	5.97	5.30
337.5	13.95	12.59	11.27	9.92	8.40	7.24	6.41	5.72	5.06
360.0	14.61	13.15	11.85	10.58	9.01	7.84	6.77	5.90	5.24

Intensity data(cd)

C/γ(°)	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5
0.0	4.66	4.07	3.66	3.29	2.43	1.88	1.40	0.77	0.71
22.5	4.35	3.80	3.40	2.91	2.54	2.28	1.29	0.75	0.68
45.0	4.67	4.21	3.77	3.44	3.14	2.84	2.35	1.32	0.75
67.5	4.74	4.21	3.74	3.41	3.12	2.80	2.24	1.01	0.75
90.0	4.61	4.14	3.74	3.34	3.04	2.74	2.05	0.85	0.72
112.5	5.23	4.71	4.23	3.78	3.41	3.12	2.80	1.97	0.83
135.0	5.23	4.63	4.21	3.80	3.46	3.15	2.74	1.58	0.77
157.5	5.49	4.98	4.52	4.06	3.71	3.44	3.11	2.34	0.97
180.0	5.35	4.77	4.29	3.91	3.43	2.69	2.34	1.37	0.69
202.5	5.69	5.14	4.63	4.15	3.77	3.28	2.57	1.83	1.08
225.0	5.32	4.78	4.43	4.04	3.78	3.46	3.11	1.58	0.80
247.5	5.29	4.77	4.40	4.06	3.78	3.55	3.11	1.66	0.81
270.0	5.35	4.83	4.43	4.06	3.78	3.52	3.15	1.92	0.85
292.5	4.74	4.37	4.01	3.69	3.44	3.14	2.09	0.85	0.74
315.0	4.87	4.41	3.97	3.71	3.46	3.17	2.63	1.08	0.75
337.5	4.55	4.14	3.63	3.24	2.97	2.71	1.77	0.78	0.69
360.0	4.66	4.07	3.66	3.29	2.43	1.88	1.40	0.77	0.71

C/γ(°)	90.0	92.5	95.0	97.5	100.0	102.5	105.0	107.5	110.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	112.5	115.0	117.5	120.0	122.5	125.0	127.5	130.0	132.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Intensity data(cd)

C/γ(°)	135.0	137.5	140.0	142.5	145.0	147.5	150.0	152.5	155.0
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C/γ(°)	157.5	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
247.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
292.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
337.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
360.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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