

Indoor Luminaire Photometric Data

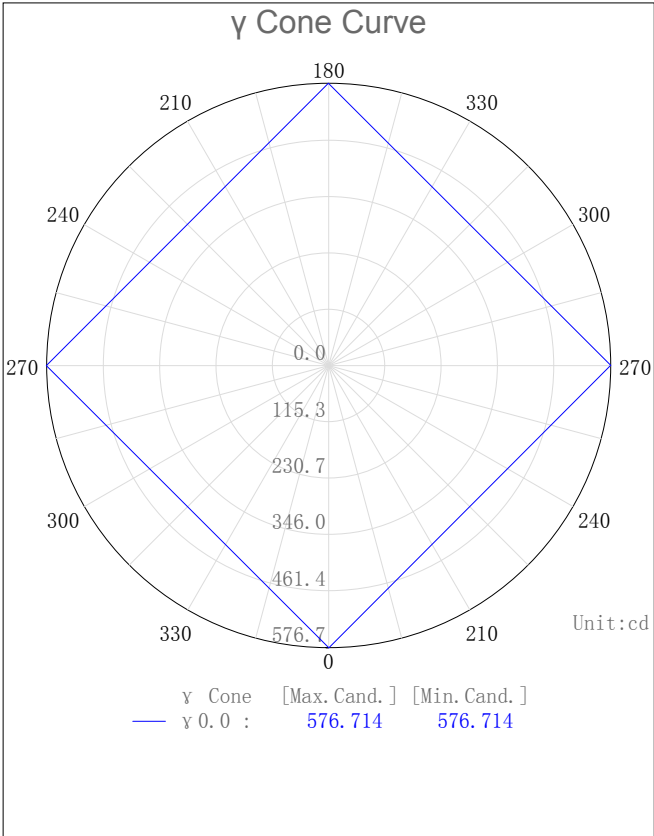
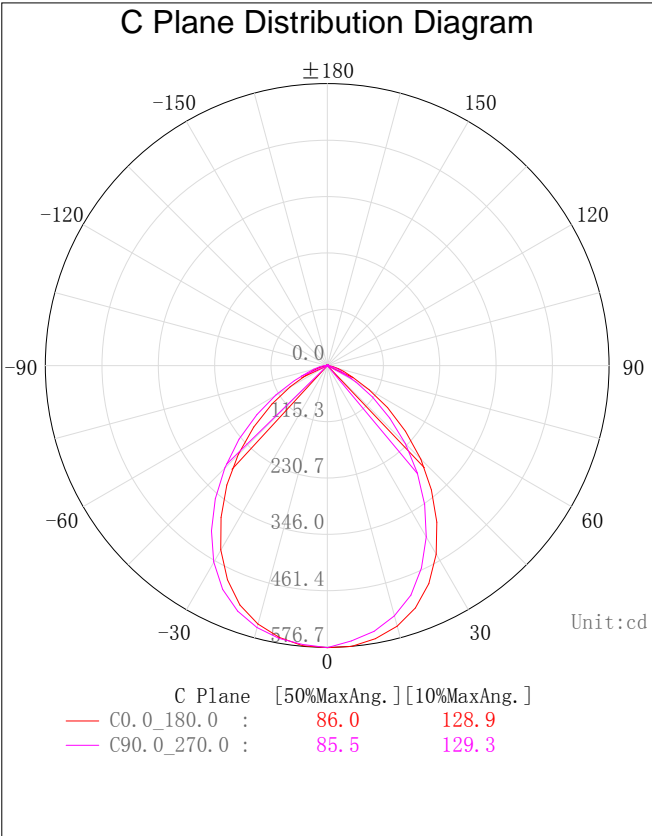
Description Information

Lum. Name:	LGDLR15WCCT-WH 3K	Lum. Catalog:	LED DOWNLIGHT	Test ID:	
Lamp Name:	3000K	Lamp Catalog:	SMD2835	Test Date:	2019/08/10
Manufacture:		ShldAngle(°):		Test Machine:	GON-2000
Test Lab:		Frequency(Hz):		Lamp CCT(K):	Ra:
Lum. Size(W*L*H):	0.130m*0.130m*0.068m	Lum. Area(m2):	0.026	Lum. W(kg):	2.000
Test System:	C, γ	Test Step:	C=90.0 γ=5.0	Temp.(°C):	25
				Humidity(%):	

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	1085.780	Luminaire Flux:	1085.779lm
Rated Power(W):		Luminaire Efficiency:	100.00%
Rated Voltage(V):		Luminaire EER(lm/W):	68.807
Tested Power(W):	15.780	Max. Cand.(cd):	576.714
Lamps' Inside:	1	Max Cand@Ang.(°):	C=0.0 γ=0.0
Tested Electric:U=237.8V, I=0.068A, PF=0.000		Beam Angle(50%Imax):	86.0
Lamp Size(W*L*H):0.130m*0.130m*0.068m		Left=-42.5 Right=43.5	IRF:
			134.169%

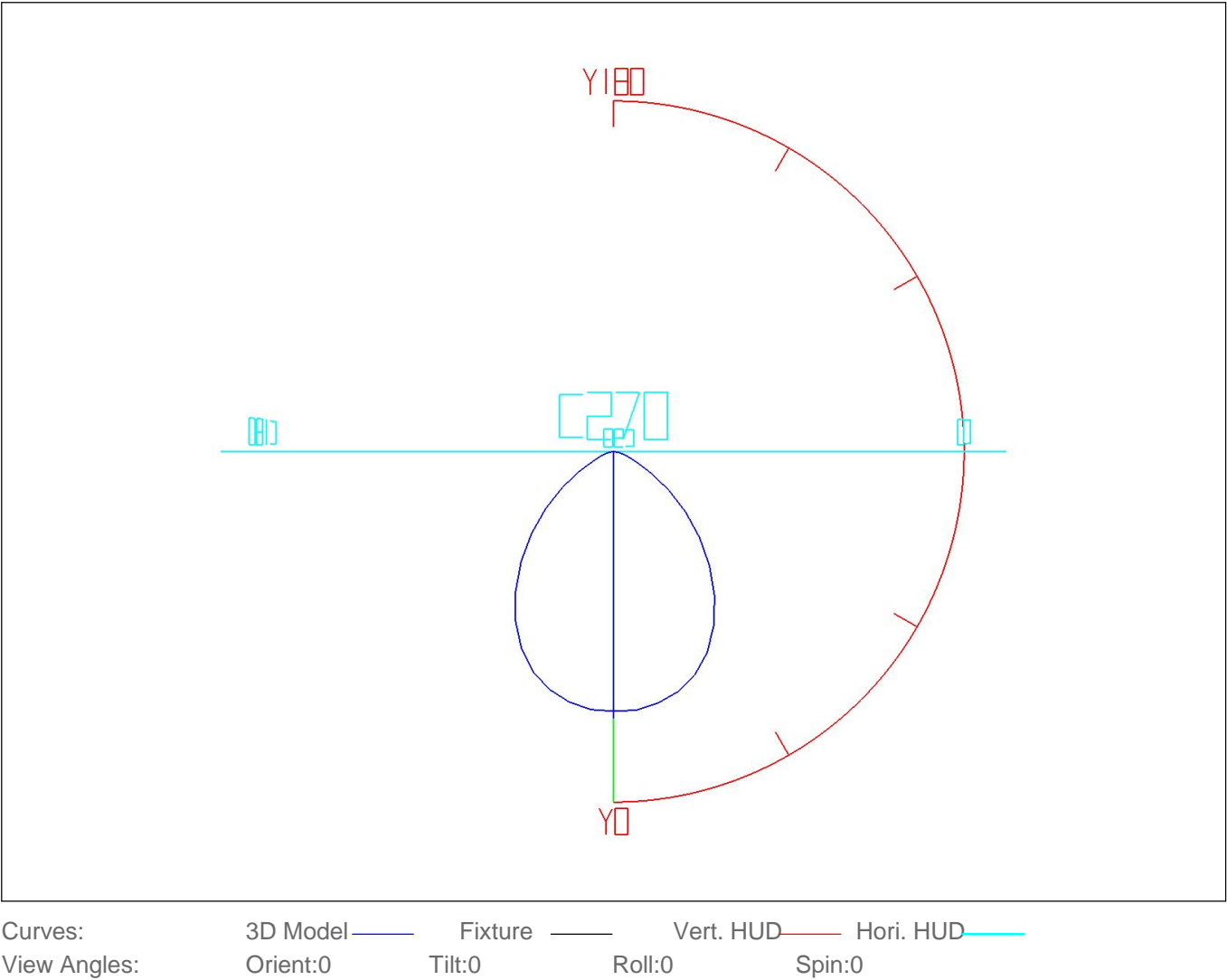
Lighting Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

3D Light Intensity Distribution Modal

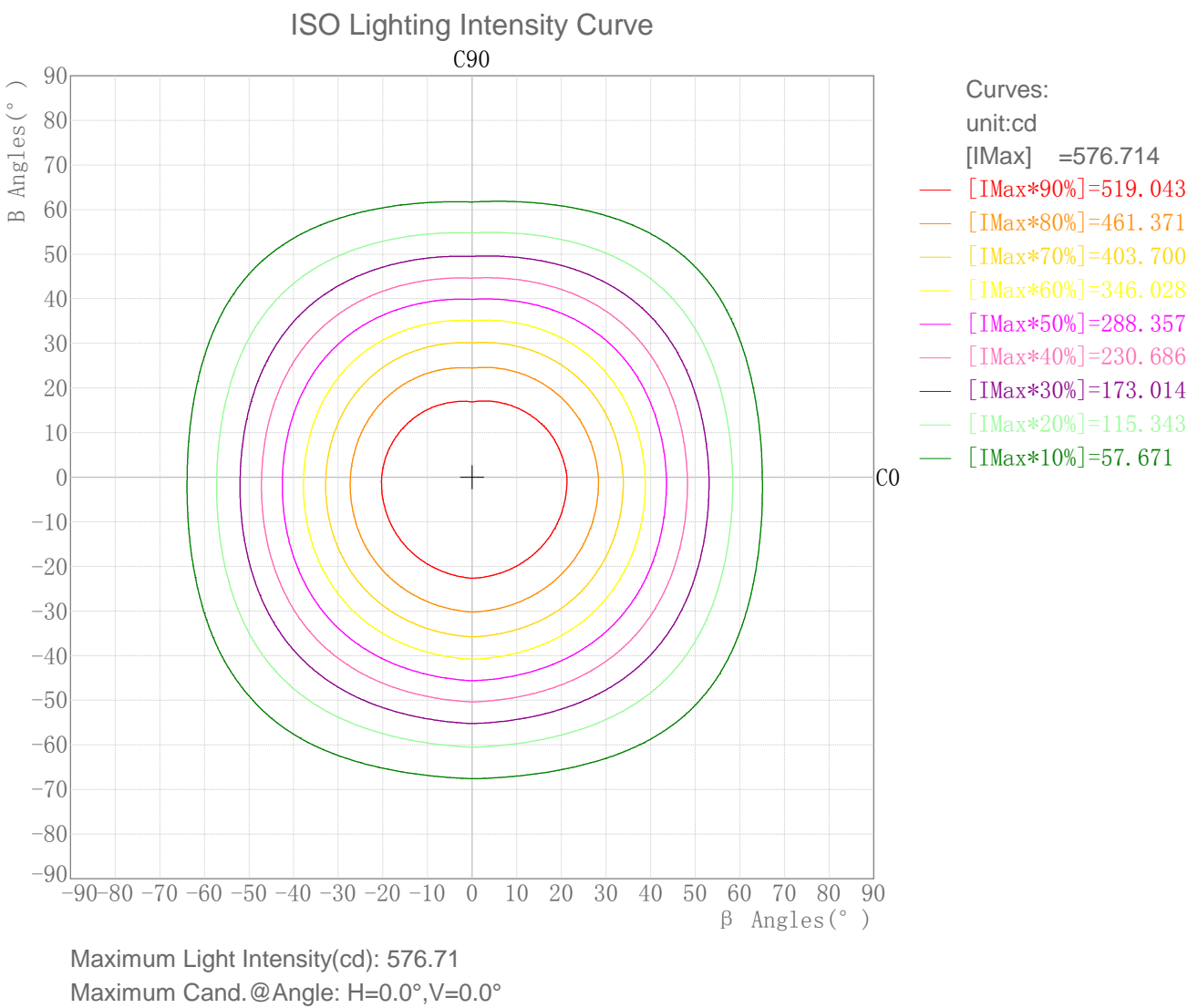


Zonal Flux Tabulation

Zone ( y )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	13.74	13.74	1.27	1.27
5.0-10.0	40.61	54.35	3.74	5.01
10.0-15.0	65.78	120.13	6.06	11.06
15.0-20.0	87.95	208.08	8.10	19.16
20.0-25.0	105.44	313.52	9.71	28.88
25.0-30.0	116.63	430.15	10.74	39.62
30.0-35.0	120.72	550.87	11.12	50.73
35.0-40.0	117.78	668.65	10.85	61.58
40.0-45.0	108.46	777.10	9.99	71.57
45.0-50.0	93.81	870.92	8.64	80.21
50.0-55.0	75.24	946.16	6.93	87.14
55.0-60.0	54.91	1001.07	5.06	92.20
60.0-65.0	36.00	1037.06	3.32	95.51
65.0-70.0	22.34	1059.40	2.06	97.57
70.0-75.0	14.13	1073.53	1.30	98.87
75.0-80.0	8.13	1081.66	0.75	99.62
80.0-85.0	3.26	1084.92	0.30	99.92
85.0-90.0	0.59	1085.51	0.05	99.98
90.0-95.0	0.00	1085.51	0.00	99.98
95.0-100.0	0.00	1085.51	0.00	99.98
100.0-105.0	0.00	1085.51	0.00	99.98
105.0-110.0	0.00	1085.51	0.00	99.98
110.0-115.0	0.00	1085.51	0.00	99.98
115.0-120.0	0.00	1085.51	0.00	99.98
120.0-125.0	0.00	1085.51	0.00	99.98
125.0-130.0	0.00	1085.51	0.00	99.98
130.0-135.0	0.00	1085.51	0.00	99.98
135.0-140.0	0.00	1085.51	0.00	99.98
140.0-145.0	0.00	1085.51	0.00	99.98
145.0-150.0	0.00	1085.51	0.00	99.98
150.0-155.0	0.00	1085.51	0.00	99.98
155.0-160.0	0.02	1085.54	0.00	99.98
160.0-165.0	0.06	1085.60	0.01	99.98
165.0-170.0	0.08	1085.68	0.01	99.99
170.0-175.0	0.07	1085.75	0.01	100.00
175.0-180.0	0.03	1085.78	0.00	100.00

Rectangle ISO Lighting Intensity Diagram

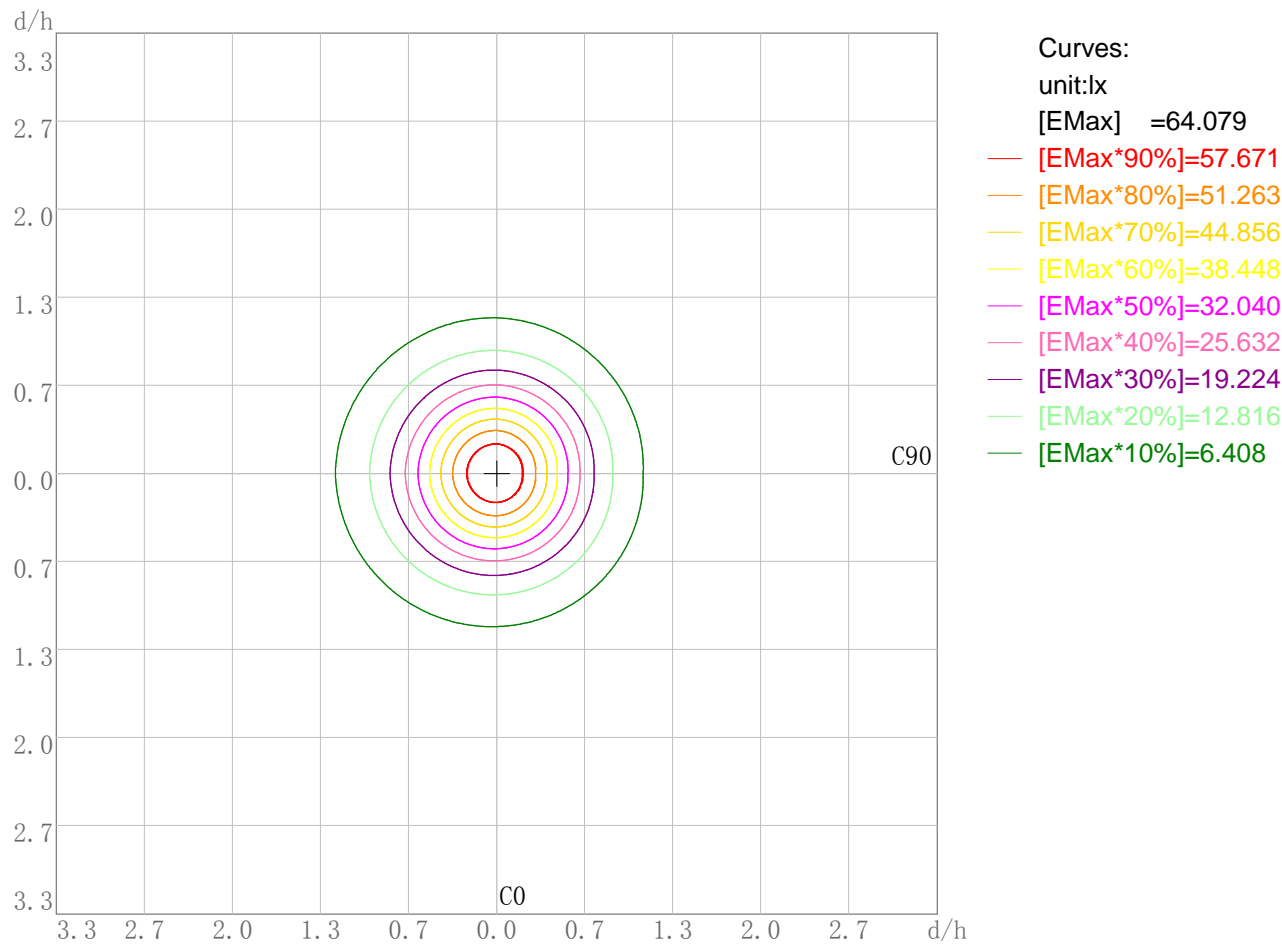
Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10



Plane ISO-Illuminance Diagram

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

Plane ISO-Illuminance Curve

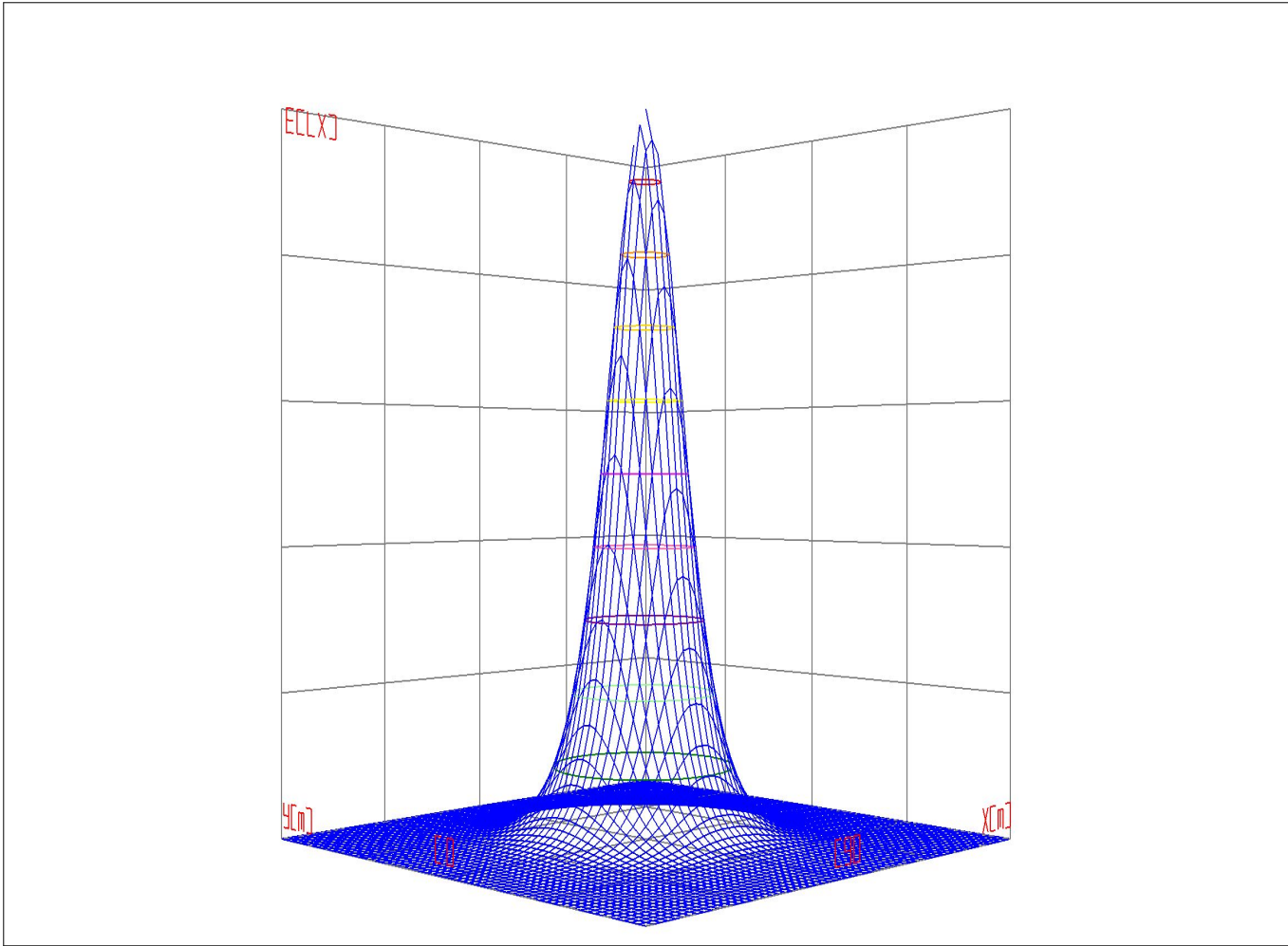


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 64.08  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

3D Plane Illuminance Modal



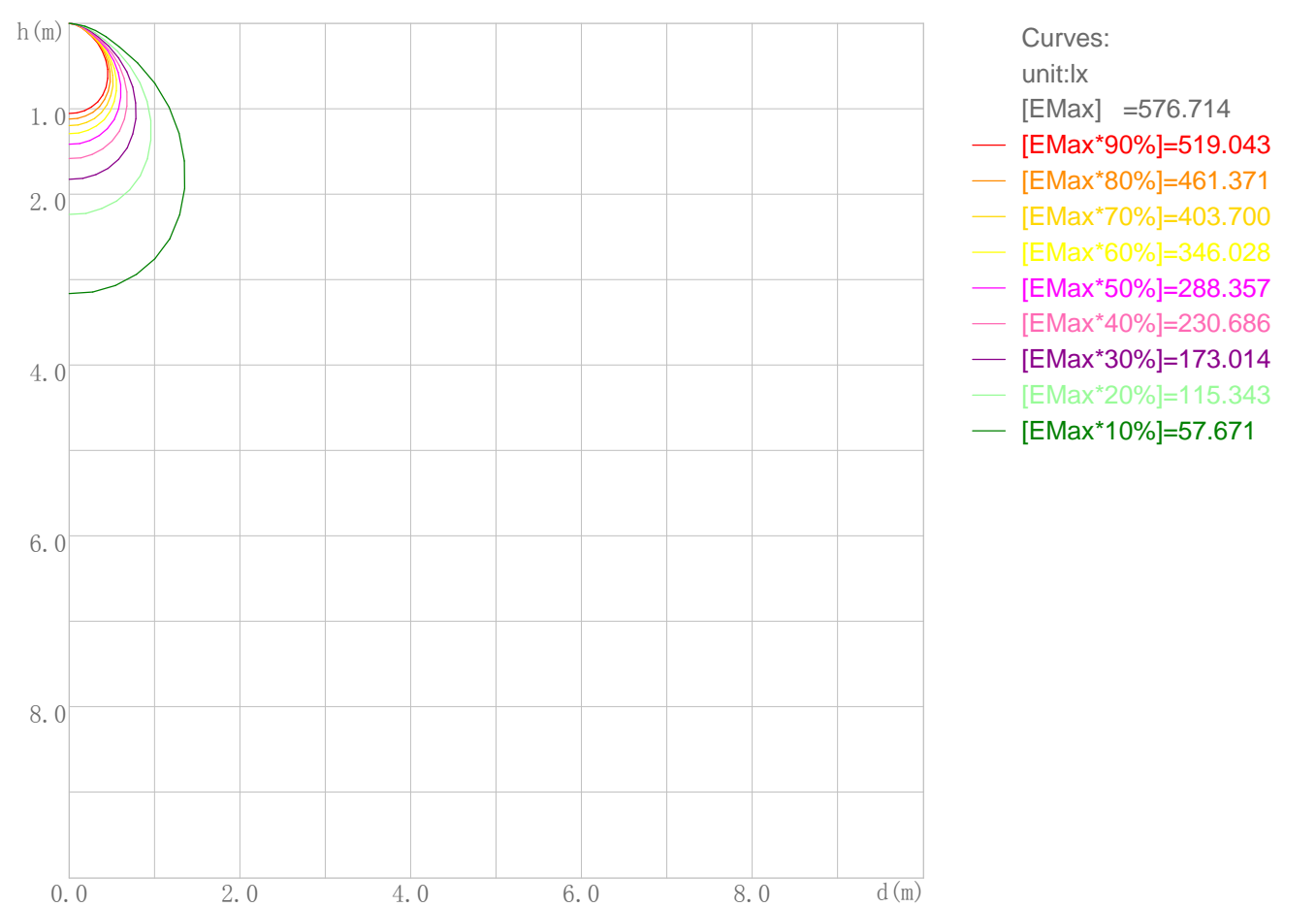
Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

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Space ISO Illuminance Diagram

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

Space ISO Illuminance Curve

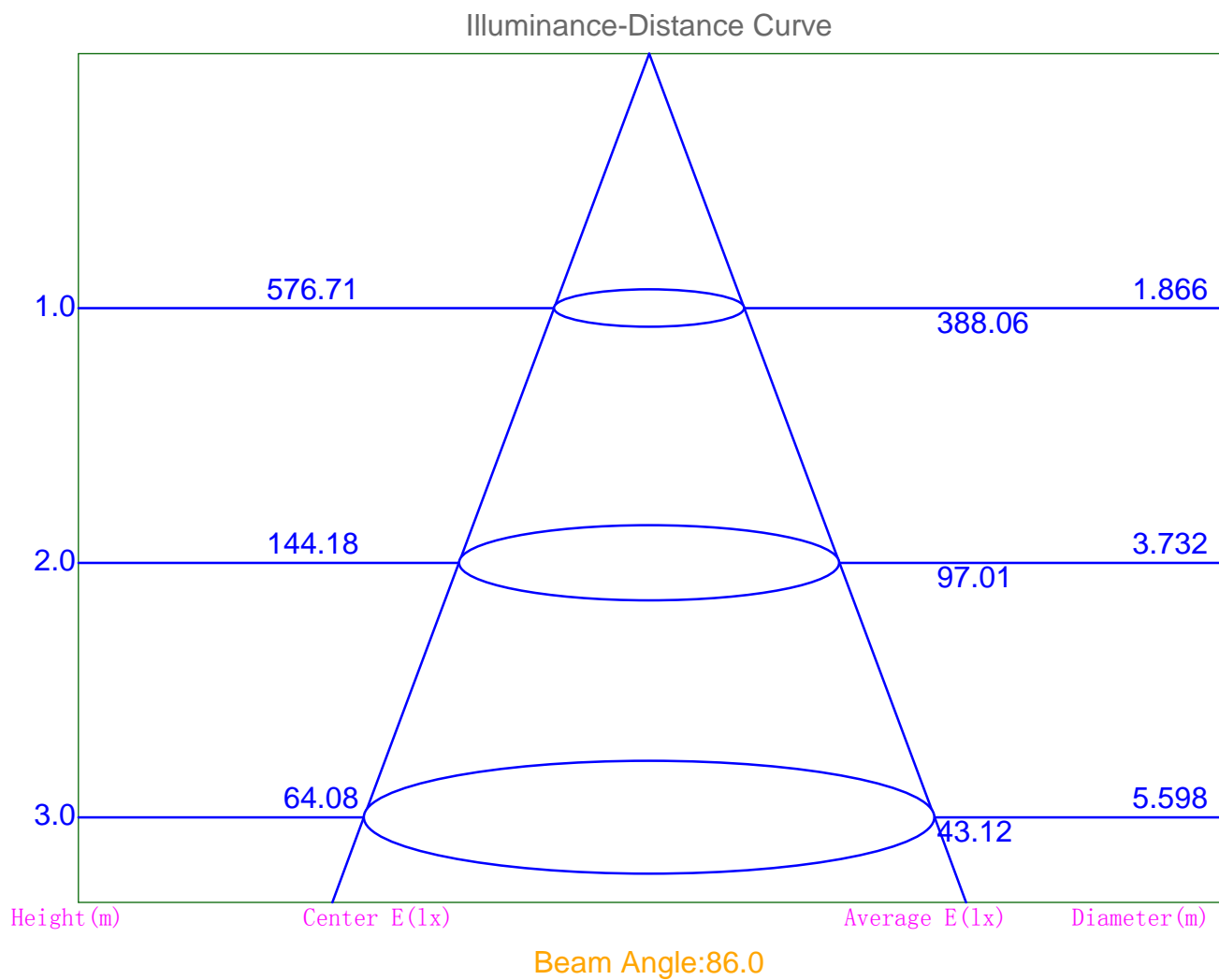


Space Plane Maximum Illuminance and @Angle:576.71,0.0deg  
Plane Maximum Lighting Intensity and @Angle:576.714cd,0deg

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Illuminance-Distance Diagram

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10





Indoor Luminance Limiting Curves

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

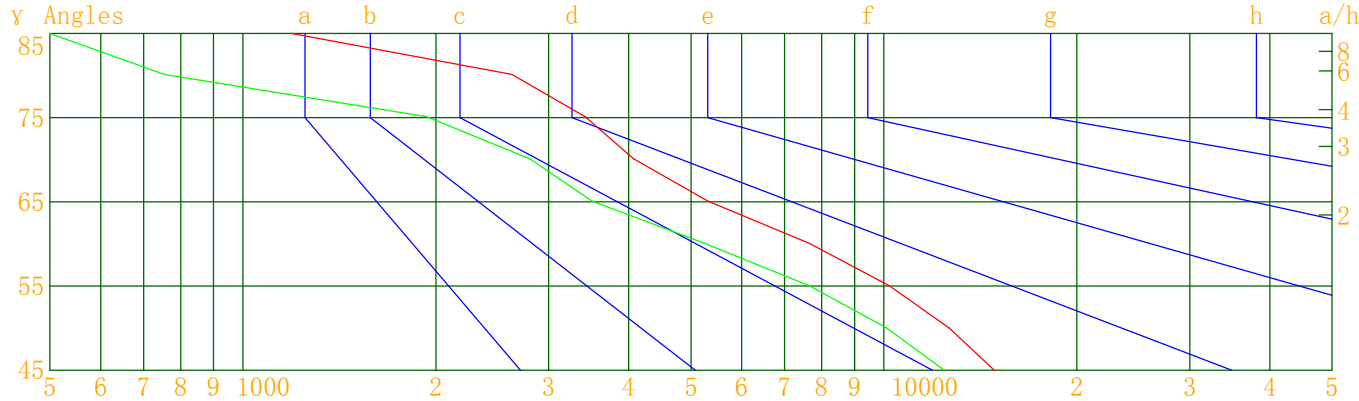
Glare Grade Table

GI	Quality	Using Illuminance							
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	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	14858	12639	10194	7654	5315	4072	3419	2628	1191
C90	12422	10102	7648	5253	3509	2806	1935	754	0

Luminance Limiting Curve



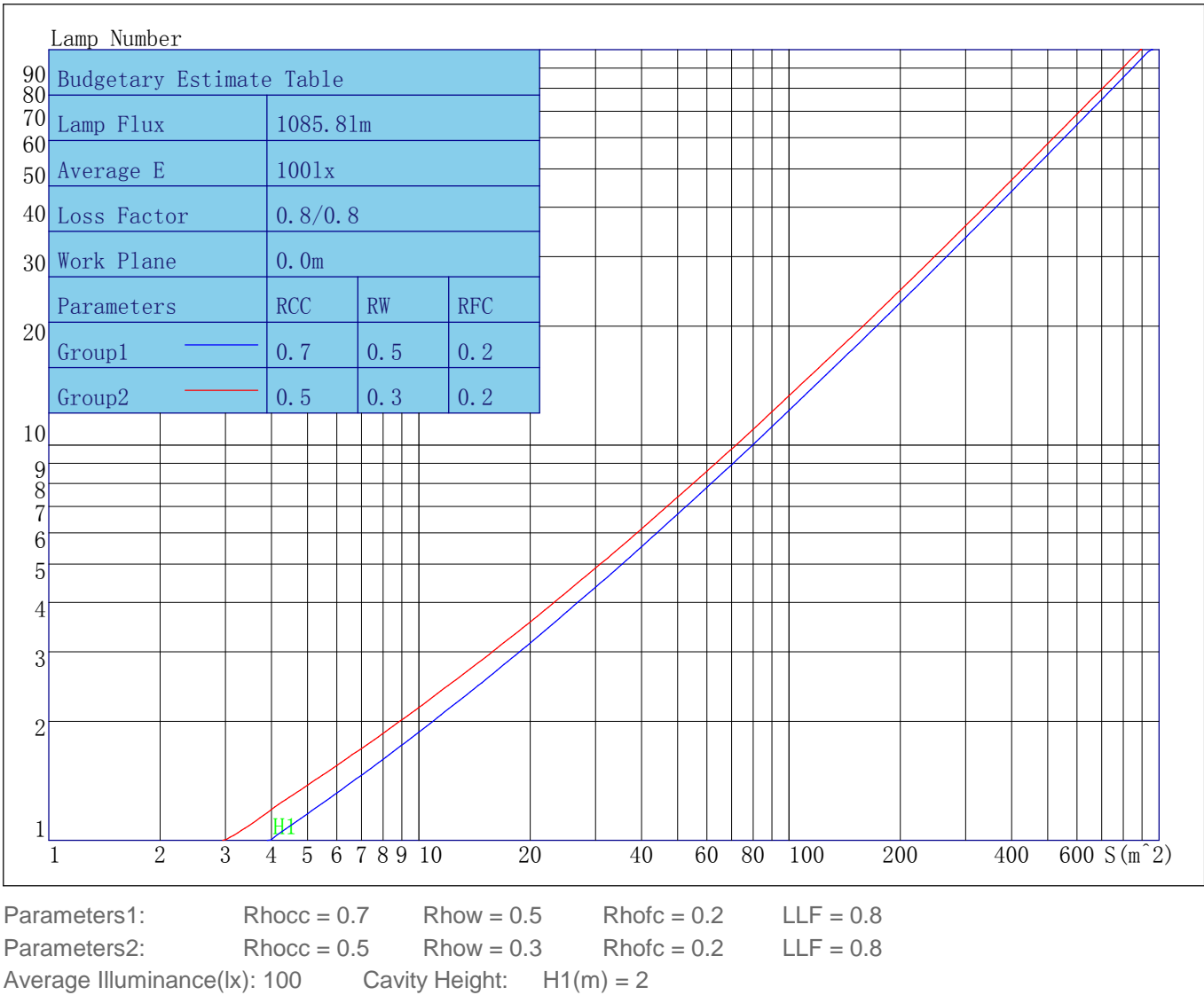
Luminous Size: Length(m)=0.130 Width(m)=0.130 Height(m)=0.068 Area(m^2)=0.025740

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10



Indoor Coefficient of Utilization Table

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	70	66	62	60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	40	35	46	39	35	45	39	35	44	38	34	33

Unified Glare Rating Table

Lum. Name: LGDLR15WCCT-WH 3K	Lum. Catalog: LED DOWNLIGHT	Test ID:
Lamp Name: 3000K	Lamp Catalog: SMD2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/10

Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Vewed crosswise					Vewed endwise				
X=2H    Y=2H	31.7	34.6	32.4	35.2	35.8	30.2	33.1	31.0	33.8	34.3
	32.8	35.7	33.6	36.4	36.9	31.0	33.9	31.7	34.5	35.1
	34.0	36.5	34.8	37.1	37.7	32.0	34.4	32.7	35.0	35.6
	34.4	36.8	35.1	37.4	38.0	32.0	34.4	32.8	35.0	35.6
	34.4	36.8	35.2	37.4	38.0	32.0	34.4	32.7	35.0	35.6
	34.4	36.8	35.2	37.4	38.0	31.9	34.3	32.7	34.9	35.5
X=4H    Y=2H	32.1	34.6	32.9	35.2	35.7	30.8	33.3	31.6	33.9	34.4
	33.4	35.8	34.1	36.5	37.0	31.7	34.2	32.5	34.8	35.4
	32.9	34.1	33.8	35.0	35.8	31.0	32.3	31.9	33.1	33.9
	33.4	34.6	34.4	35.4	36.2	31.2	32.4	32.1	33.2	34.0
	33.6	34.7	34.5	35.5	36.3	31.2	32.3	32.1	33.2	34.0
	32.7	33.6	33.7	34.6	35.4	30.2	31.2	31.3	32.1	33.0
X=8H    Y=4H	32.8	34.0	33.8	34.8	35.6	31.0	32.1	31.9	33.0	33.7
	32.5	33.3	33.6	34.3	35.2	30.4	31.2	31.4	32.2	33.0
	32.2	32.9	33.3	33.9	34.8	29.9	30.6	31.0	31.6	32.5
	32.3	32.9	33.4	33.9	34.8	29.9	30.5	31.0	31.5	32.4
X=12H    Y=4H	31.9	32.8	32.9	33.7	34.6	30.0	31.0	31.1	31.9	32.8
	32.0	32.6	33.1	33.7	34.6	29.8	30.5	31.0	31.5	32.5
	32.2	32.8	33.3	33.8	34.7	29.9	30.5	31.0	31.5	32.4
Variations with the objverver position at spacings										
S=1.0H	4.7/-3.1					4.9/-2.6				
S=1.5H	-2.2/-27.6					-0.7/-25.7				
S=2.0H	-2.2/-27.6					-0.7/-25.7				

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
Υ 0.0	576.71	576.71	576.71	576.71
Υ 5.0	576.48	565.24	575.16	572.84
Υ 10.0	567.29	552.03	564.86	566.94
Υ 15.0	552.09	530.64	547.36	554.71
Υ 20.0	527.78	500.00	521.14	535.00
Υ 25.0	492.51	456.79	483.21	504.97
Υ 30.0	445.30	404.92	434.97	463.63
Υ 35.0	391.41	347.44	378.80	412.66
Υ 40.0	331.80	286.72	319.20	355.61
Υ 45.0	270.42	226.08	257.33	295.87
Υ 50.0	209.11	167.14	196.03	235.12
Υ 55.0	150.50	112.91	137.84	175.54
Υ 60.0	98.50	67.61	87.05	120.24
Υ 65.0	57.82	38.17	48.97	73.95
Υ 70.0	35.85	24.70	30.86	42.53
Υ 75.0	22.77	12.89	18.40	28.25
Υ 80.0	11.75	3.37	8.02	16.09
Υ 85.0	2.67	0.00	0.00	6.02
Υ 90.0	0.00	0.00	0.00	0.00
Υ 95.0	0.00	0.00	0.00	0.00
Υ 100.0	0.00	0.00	0.00	0.00
Υ 105.0	0.00	0.00	0.00	0.00
Υ 110.0	0.00	0.00	0.00	0.00
Υ 115.0	0.00	0.00	0.00	0.00
Υ 120.0	0.00	0.00	0.00	0.00
Υ 125.0	0.00	0.00	0.00	0.00
Υ 130.0	0.00	0.00	0.00	0.00
Υ 135.0	0.00	0.00	0.00	0.00
Υ 140.0	0.00	0.00	0.00	0.00
Υ 145.0	0.00	0.00	0.00	0.00
Υ 150.0	0.00	0.00	0.00	0.00
Υ 155.0	0.00	0.00	0.00	0.00
Υ 160.0	0.28	0.29	0.28	0.03
Υ 165.0	0.62	0.50	0.71	0.41
Υ 170.0	0.89	0.87	0.91	0.70
Υ 175.0	1.08	1.05	1.11	1.02
Υ 180.0	1.24	1.24	1.24	1.24

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