

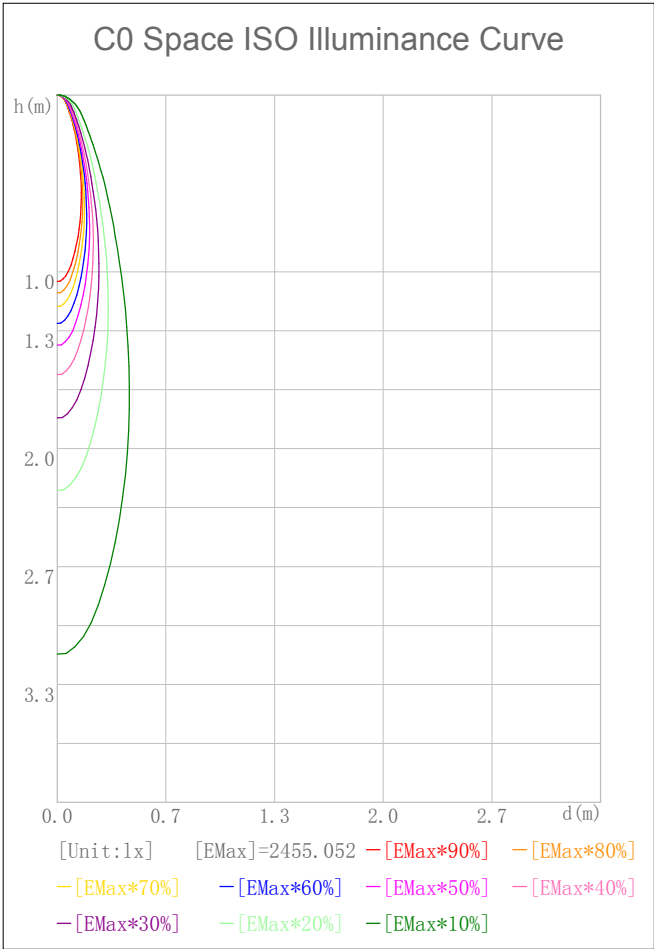
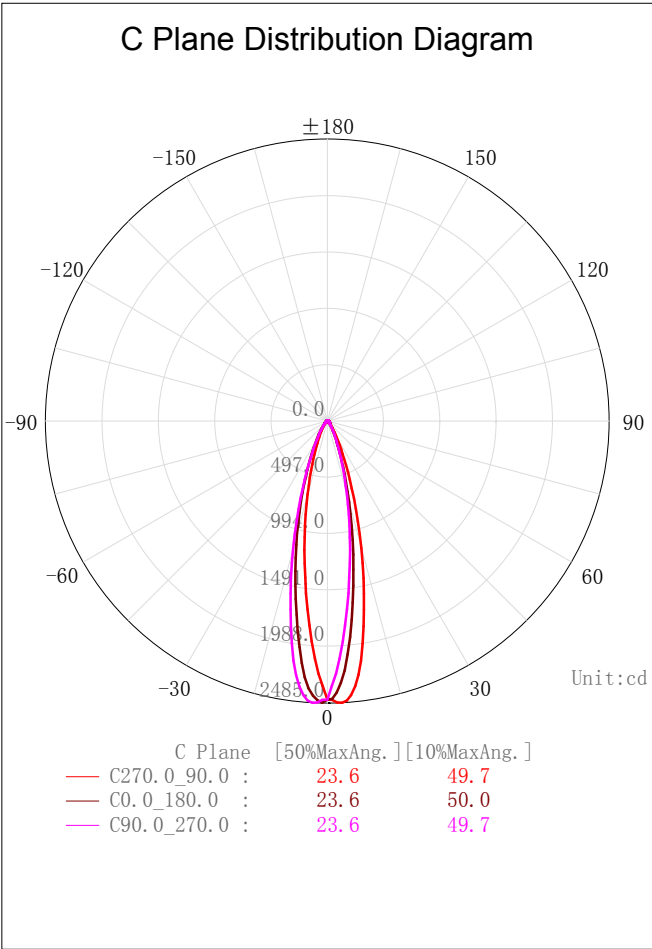
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 24D 3000K		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/04/16
Manufacture: Shenzhen Norming Lighting Co.,Ltd		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Quaility Department		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.050m*0.050m*0.045m		Lum.Area(m2):0.005	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp.(°C): 25	Humidity(%): 50.0

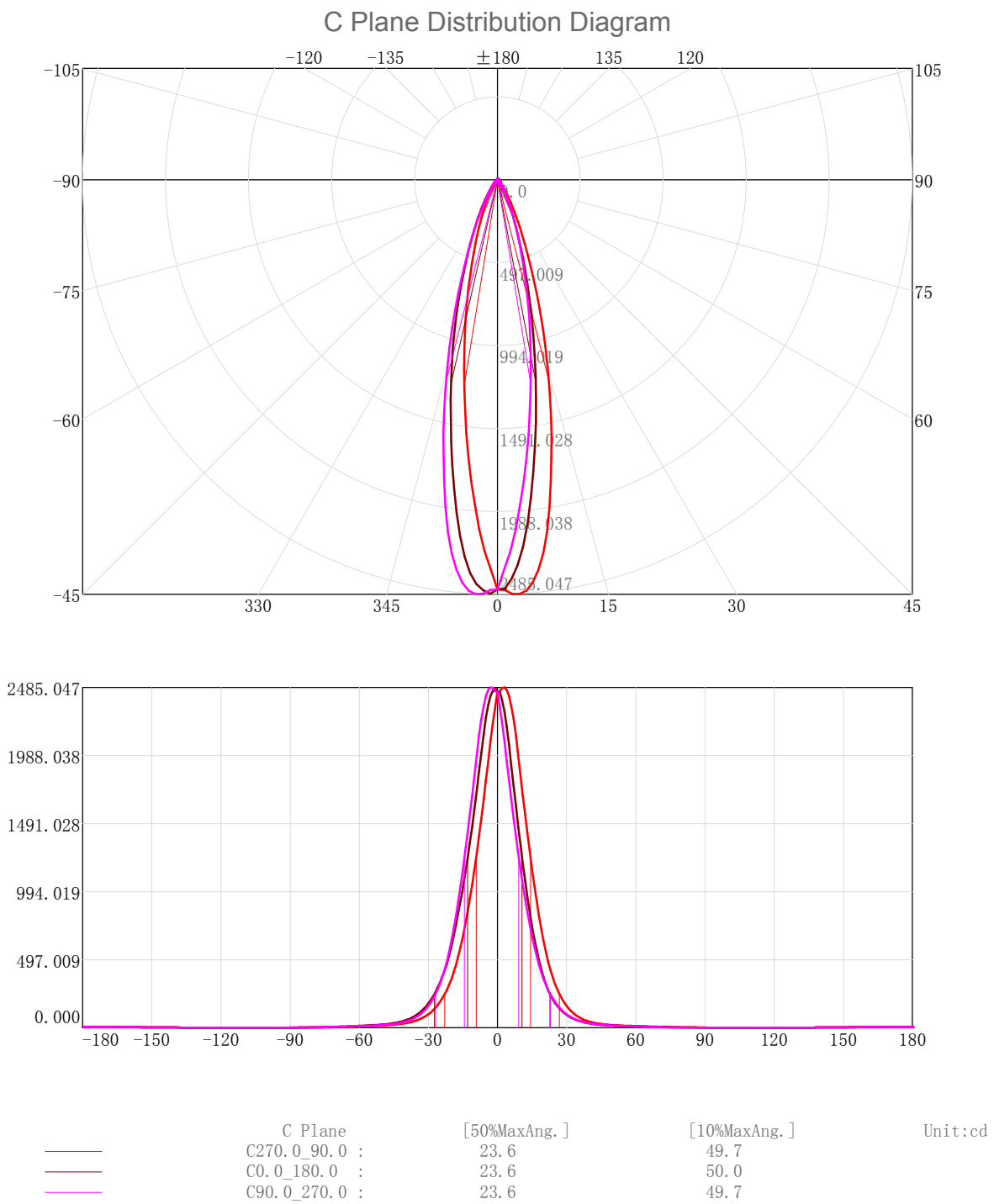
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 836.000	Luminary Flux(lm): 669.776	Field Angle(10%Imax): 49.7(°)	
Rated Power(W):	Luminary Efficiency: 80.12%	Down Lumens&Percent: 653.301lm 97.54%	
Rated Voltage(V):	Luminary EER(lm/W): 74.727	Up Lumens&Percent: 16.475lm 2.46%	
Tested Power(W): 8.963	Max. Candela(cd): 2485.047	S/MH: C0_a180=0.400 C90_270=0.401	
Lamps' Inside: 1	Max Cand@Ang.(°): C=270.0 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.2, 0.040, 0.912		ErP Φuse(90°): 604.707lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m	Left=-9.2°, Right=14.4°	IRF(%): 904.921	



2D Plane Light Intensity Distribution Curve

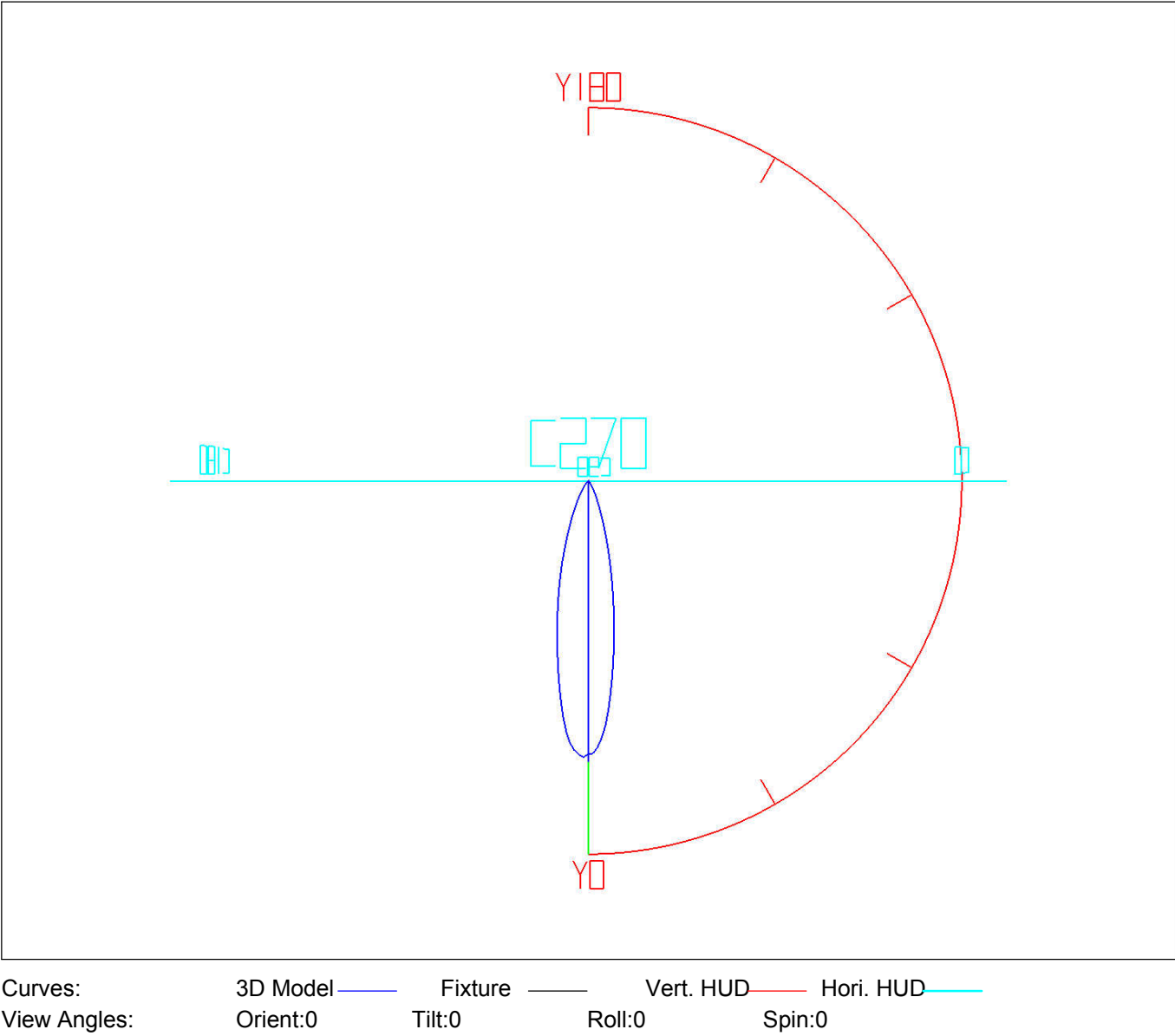
Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaility Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16



3D Light Intensity Distribution Modal

Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16

3D Light Intensity Distribution Modal



**Photometric Filename:MD12-09-XX-01 RA90 24D 3000K.IES**

Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.34	2.34	0.28	0.28	47.0-48.0	1.87	617.20	0.22	73.83
1.0-2.0	6.92	9.26	0.83	1.11	48.0-49.0	1.79	618.99	0.21	74.04
2.0-3.0	11.29	20.54	1.35	2.46	49.0-50.0	1.72	620.70	0.21	74.25
3.0-4.0	15.31	35.85	1.83	4.29	50.0-51.0	1.65	622.35	0.20	74.44
4.0-5.0	18.87	54.72	2.26	6.55	51.0-52.0	1.59	623.94	0.19	74.63
5.0-6.0	21.87	76.59	2.62	9.16	52.0-53.0	1.53	625.48	0.18	74.82
6.0-7.0	24.26	100.85	2.90	12.06	53.0-54.0	1.48	626.96	0.18	75.00
7.0-8.0	26.06	126.90	3.12	15.18	54.0-55.0	1.44	628.40	0.17	75.17
8.0-9.0	27.28	154.18	3.26	18.44	55.0-56.0	1.39	629.79	0.17	75.33
9.0-10.0	27.98	182.16	3.35	21.79	56.0-57.0	1.34	631.13	0.16	75.49
10.0-11.0	28.26	210.42	3.38	25.17	57.0-58.0	1.30	632.43	0.16	75.65
11.0-12.0	28.20	238.62	3.37	28.54	58.0-59.0	1.25	633.68	0.15	75.80
12.0-13.0	27.81	266.43	3.33	31.87	59.0-60.0	1.21	634.89	0.14	75.94
13.0-14.0	27.11	293.54	3.24	35.11	60.0-61.0	1.16	636.05	0.14	76.08
14.0-15.0	26.13	319.67	3.13	38.24	61.0-62.0	1.11	637.16	0.13	76.22
15.0-16.0	24.95	344.62	2.98	41.22	62.0-63.0	1.07	638.23	0.13	76.34
16.0-17.0	23.61	368.23	2.82	44.05	63.0-64.0	1.02	639.25	0.12	76.47
17.0-18.0	22.16	390.39	2.65	46.70	64.0-65.0	0.97	640.22	0.12	76.58
18.0-19.0	20.65	411.04	2.47	49.17	65.0-66.0	0.93	641.15	0.11	76.69
19.0-20.0	19.12	430.16	2.29	51.45	66.0-67.0	0.88	642.03	0.11	76.80
20.0-21.0	17.61	447.77	2.11	53.56	67.0-68.0	0.84	642.87	0.10	76.90
21.0-22.0	16.16	463.92	1.93	55.49	68.0-69.0	0.79	643.66	0.09	76.99
22.0-23.0	14.79	478.71	1.77	57.26	69.0-70.0	0.75	644.40	0.09	77.08
23.0-24.0	13.52	492.23	1.62	58.88	70.0-71.0	0.70	645.11	0.08	77.17
24.0-25.0	12.35	504.57	1.48	60.36	71.0-72.0	0.66	645.77	0.08	77.25
25.0-26.0	11.27	515.84	1.35	61.70	72.0-73.0	0.62	646.39	0.07	77.32
26.0-27.0	10.26	526.11	1.23	62.93	73.0-74.0	0.58	646.98	0.07	77.39
27.0-28.0	9.33	535.44	1.12	64.05	74.0-75.0	0.55	647.53	0.07	77.46
28.0-29.0	8.48	543.91	1.01	65.06	75.0-76.0	0.52	648.04	0.06	77.52
29.0-30.0	7.69	551.61	0.92	65.98	76.0-77.0	0.49	648.54	0.06	77.58
30.0-31.0	6.98	558.59	0.84	66.82	77.0-78.0	0.47	649.00	0.06	77.63
31.0-32.0	6.33	564.92	0.76	67.57	78.0-79.0	0.45	649.45	0.05	77.69
32.0-33.0	5.74	570.66	0.69	68.26	79.0-80.0	0.43	649.88	0.05	77.74
33.0-34.0	5.21	575.87	0.62	68.88	80.0-81.0	0.41	650.29	0.05	77.79
34.0-35.0	4.74	580.61	0.57	69.45	81.0-82.0	0.39	650.68	0.05	77.83
35.0-36.0	4.32	584.93	0.52	69.97	82.0-83.0	0.38	651.06	0.05	77.88
36.0-37.0	3.95	588.8							

**Photometric Filename:MD12-09-XX-01 RA90 24D 3000K.IES**

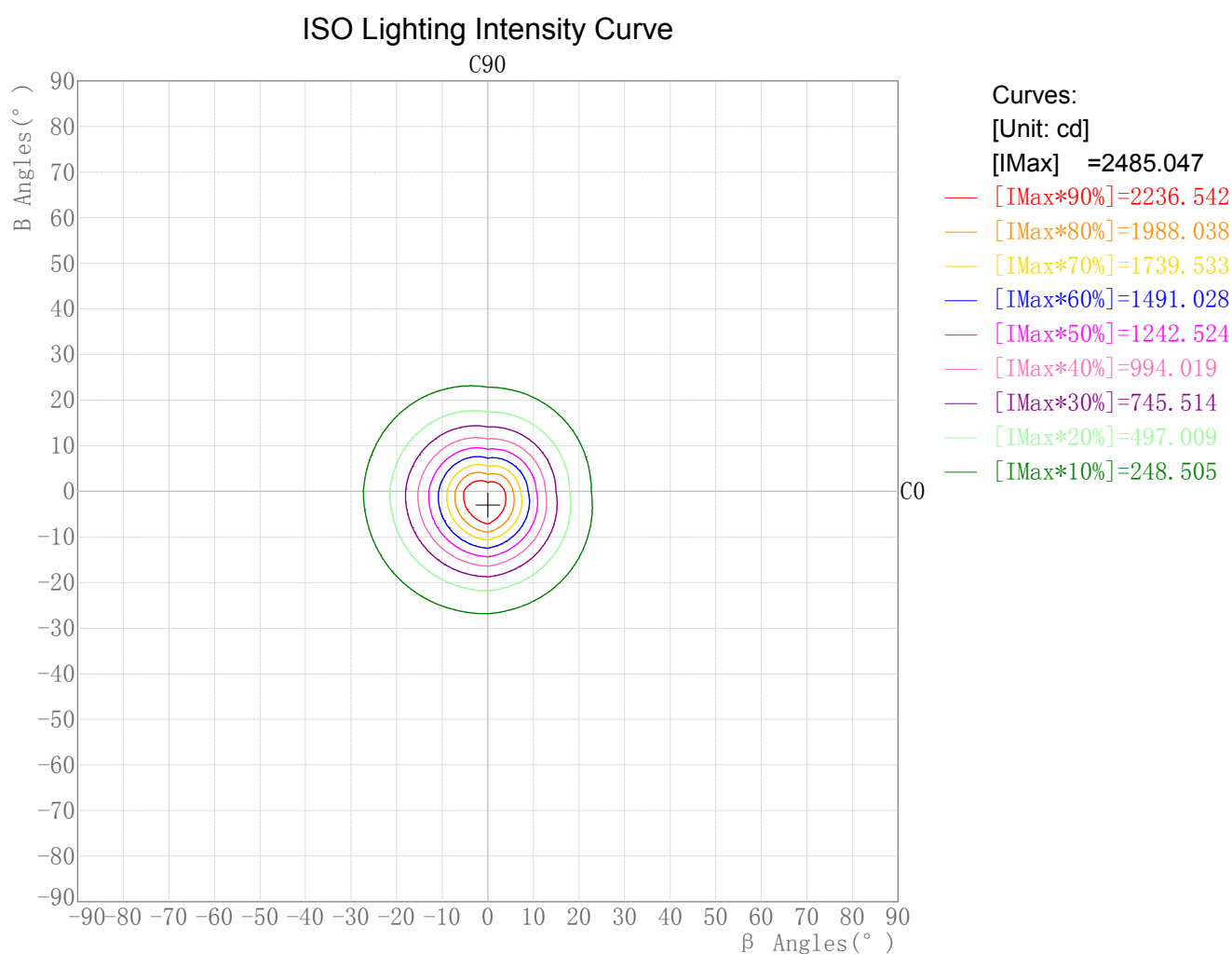
## Zonal Flux Tabulation - (Cont.)

Zone( $\gamma$ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
94.0–95.0	0.24	654.58	0.03	78.30	141.0–142.0	0.23	663.53	0.03	79.37
95.0–96.0	0.24	654.81	0.03	78.33	142.0–143.0	0.24	663.76	0.03	79.40
96.0–97.0	0.23	655.05	0.03	78.35	143.0–144.0	0.24	664.01	0.03	79.43
97.0–98.0	0.23	655.27	0.03	78.38	144.0–145.0	0.24	664.25	0.03	79.46
98.0–99.0	0.22	655.49	0.03	78.41	145.0–146.0	0.25	664.50	0.03	79.49
99.0–100.0	0.22	655.71	0.03	78.43	146.0–147.0	0.25	664.74	0.03	79.51
100.0–101.0	0.21	655.92	0.03	78.46	147.0–148.0	0.25	664.99	0.03	79.54
101.0–102.0	0.21	656.13	0.02	78.48	148.0–149.0	0.25	665.24	0.03	79.57
102.0–103.0	0.21	656.34	0.02	78.51	149.0–150.0	0.25	665.49	0.03	79.60
103.0–104.0	0.20	656.54	0.02	78.53	150.0–151.0	0.25	665.74	0.03	79.63
104.0–105.0	0.20	656.74	0.02	78.56	151.0–152.0	0.24	665.98	0.03	79.66
105.0–106.0	0.19	656.93	0.02	78.58	152.0–153.0	0.24	666.22	0.03	79.69
106.0–107.0	0.19	657.12	0.02	78.60	153.0–154.0	0.24	666.46	0.03	79.72
107.0–108.0	0.19	657.31	0.02	78.63	154.0–155.0	0.23	666.69	0.03	79.75
108.0–109.0	0.19	657.50	0.02	78.65	155.0–156.0	0.23	666.92	0.03	79.78
109.0–110.0	0.18	657.68	0.02	78.67	156.0–157.0	0.22	667.14	0.03	79.80
110.0–111.0	0.18	657.86	0.02	78.69	157.0–158.0	0.21	667.36	0.03	79.83
111.0–112.0	0.18	658.04	0.02	78.71	158.0–159.0	0.21	667.56	0.02	79.85
112.0–113.0	0.18	658.22	0.02	78.73	159.0–160.0	0.20	667.76	0.02	79.88
113.0–114.0	0.17	658.39	0.02	78.75	160.0–161.0	0.19	667.96	0.02	79.90
114.0–115.0	0.17	658.56	0.02	78.78	161.0–162.0	0.18	668.14	0.02	79.92
115.0–116.0	0.17	658.73	0.02	78.80	162.0–163.0	0.17	668.31	0.02	79.94
116.0–117.0	0.17	658.90	0.02	78.82	163.0–164.0	0.17	668.48	0.02	79.96
117.0–118.0	0.17	659.06	0.02	78.84	164.0–165.0	0.16	668.64	0.02	79.98
118.0–119.0	0.16	659.23	0.02	78.86	165.0–166.0	0.15	668.78	0.02	80.00
119.0–120.0	0.16	659.39	0.02	78.87	166.0–167.0	0.14	668.92	0.02	80.01
120.0–121.0	0.16	659.56	0.02	78.89	167.0–168.0	0.13	669.05	0.02	80.03
121.0–122.0	0.16	659.72	0.02	78.91	168.0–169.0	0.12	669.16	0.01	80.04
122.0–123.0	0.16	659.88	0.02	78.93	169.0–170.0	0.11	669.27	0.01	80.06
123.0–124.0	0.16	660.05	0.02	78.95	170.0–171.0	0.10	669.37	0.01	80.07
124.0–125.0	0.16	660.21	0.02	78.97	171.0–172.0	0.09	669.45	0.01	80.08
125.0–126.0	0.17	660.38	0.02	78.99	172.0–173.0	0.08	669.53	0.01	80.09
126.0–127.0	0.17	660.54	0.02	79.01	173.0–174.0	0.07	669.59	0.01	80.10
127.0–128.0	0.17	660.71	0.02	79.03	174.0–175.0	0.06	669.65	0.01	80.10
128.0–129.0	0.17	660.89	0.02	79.05	175.0–176.0	0.05	669.70	0.01	80.11

**Photometric Filename:MD12-09-XX-01 RA90 24D 3000K.IES**

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD12-09-XX-01 RA90 24D 3000K	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quaility Department
Manufacture: Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date: 2019/04/16



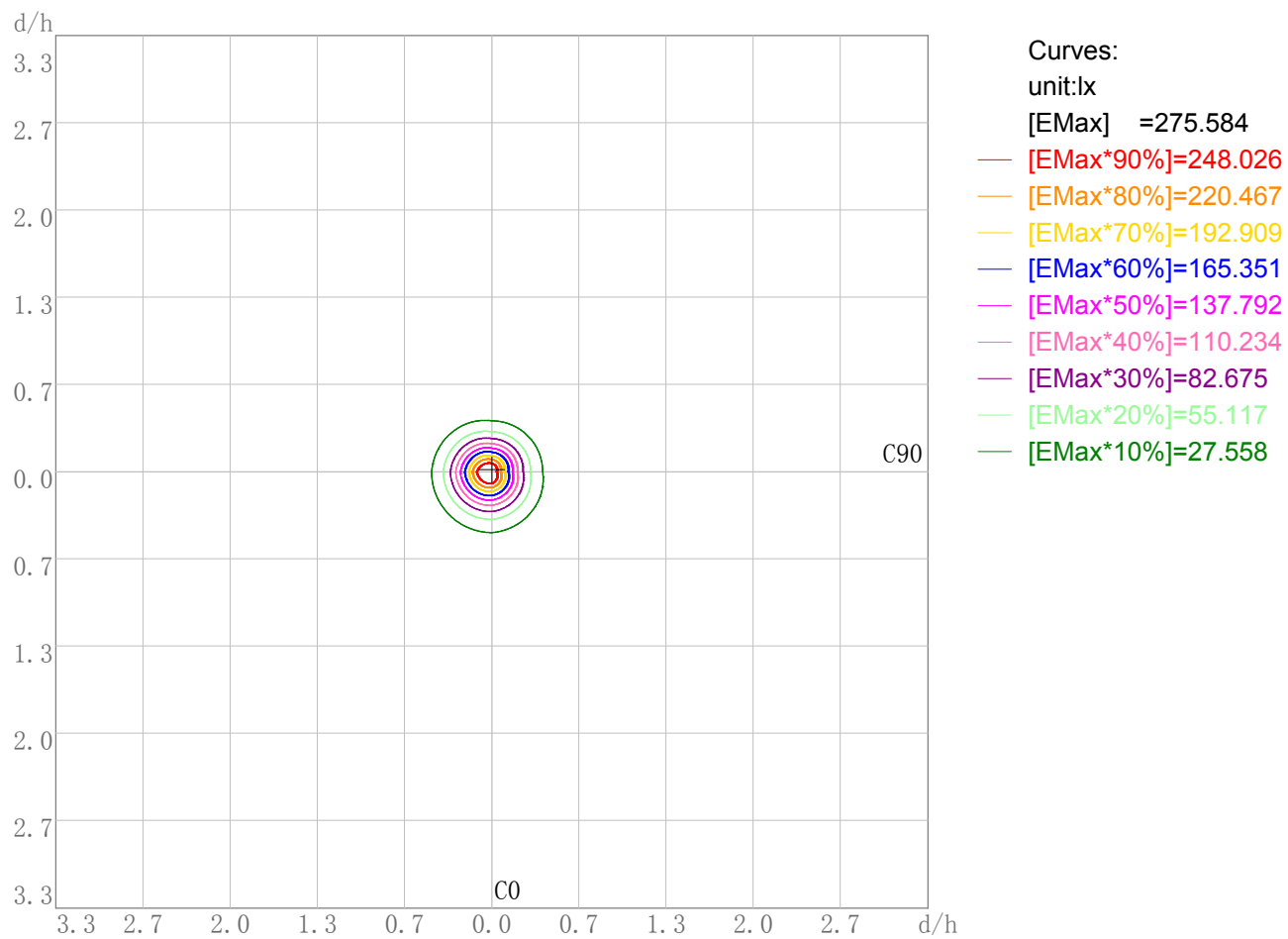
Maximum Light Intensity(cd): 2485.05

Maximum Cand.@Angle: H=-0.0°,V=-3.0°

Plane ISO-Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16

Plane ISO-Illuminance Curve

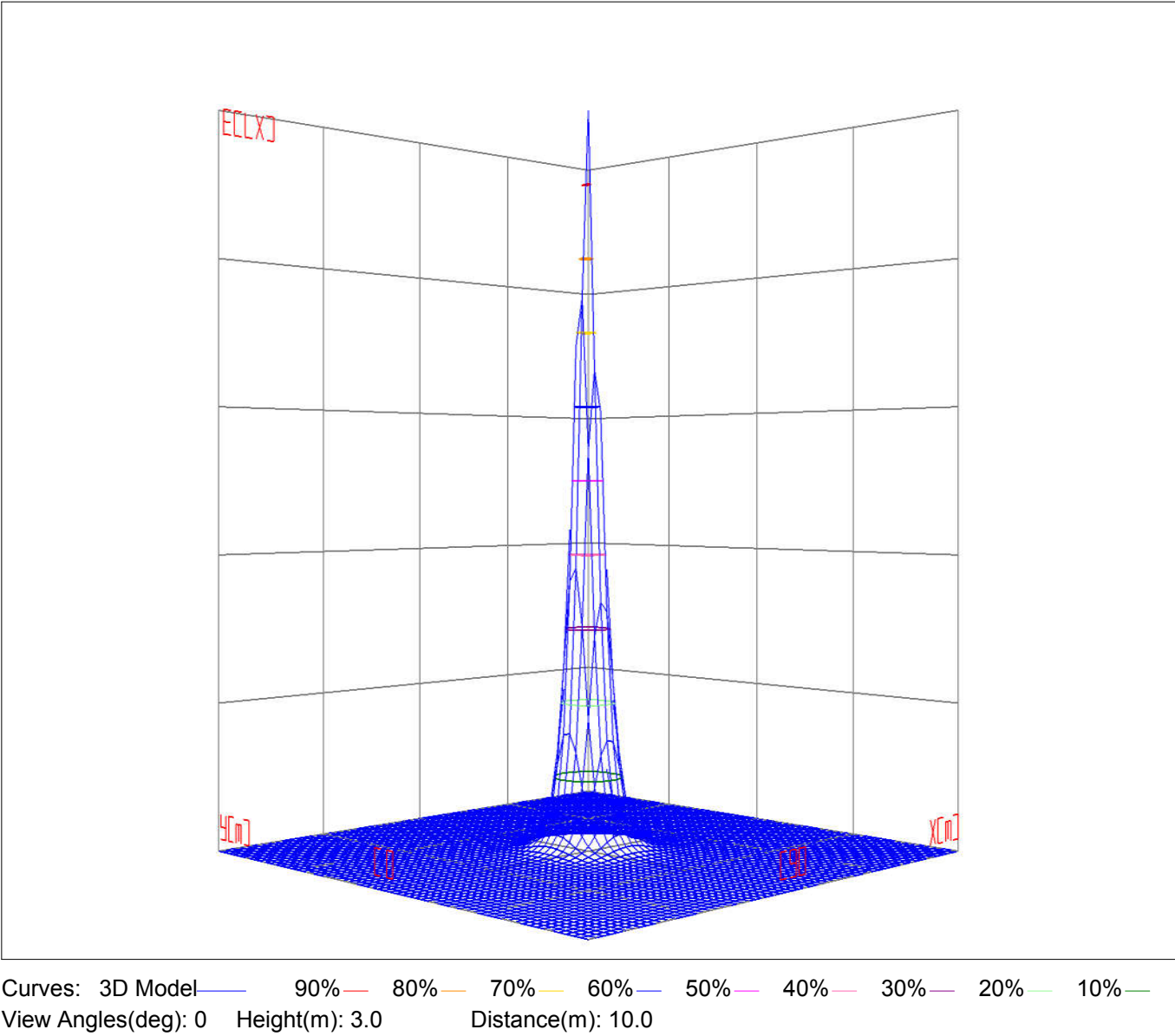


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 275.58  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quaility Department
Manufacture: Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date: 2019/04/16

3D Plane Illuminance Modal

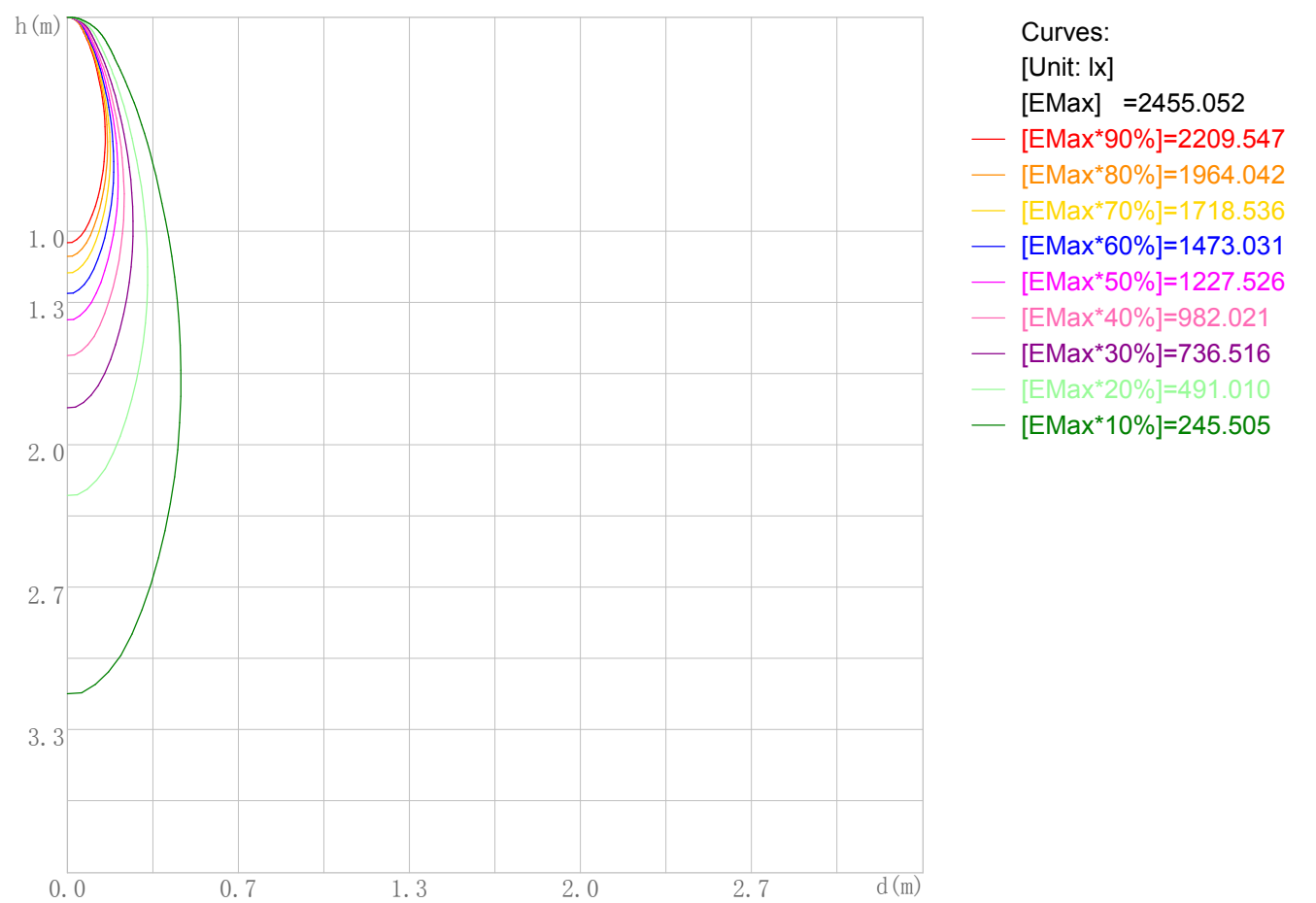




Space ISO Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16

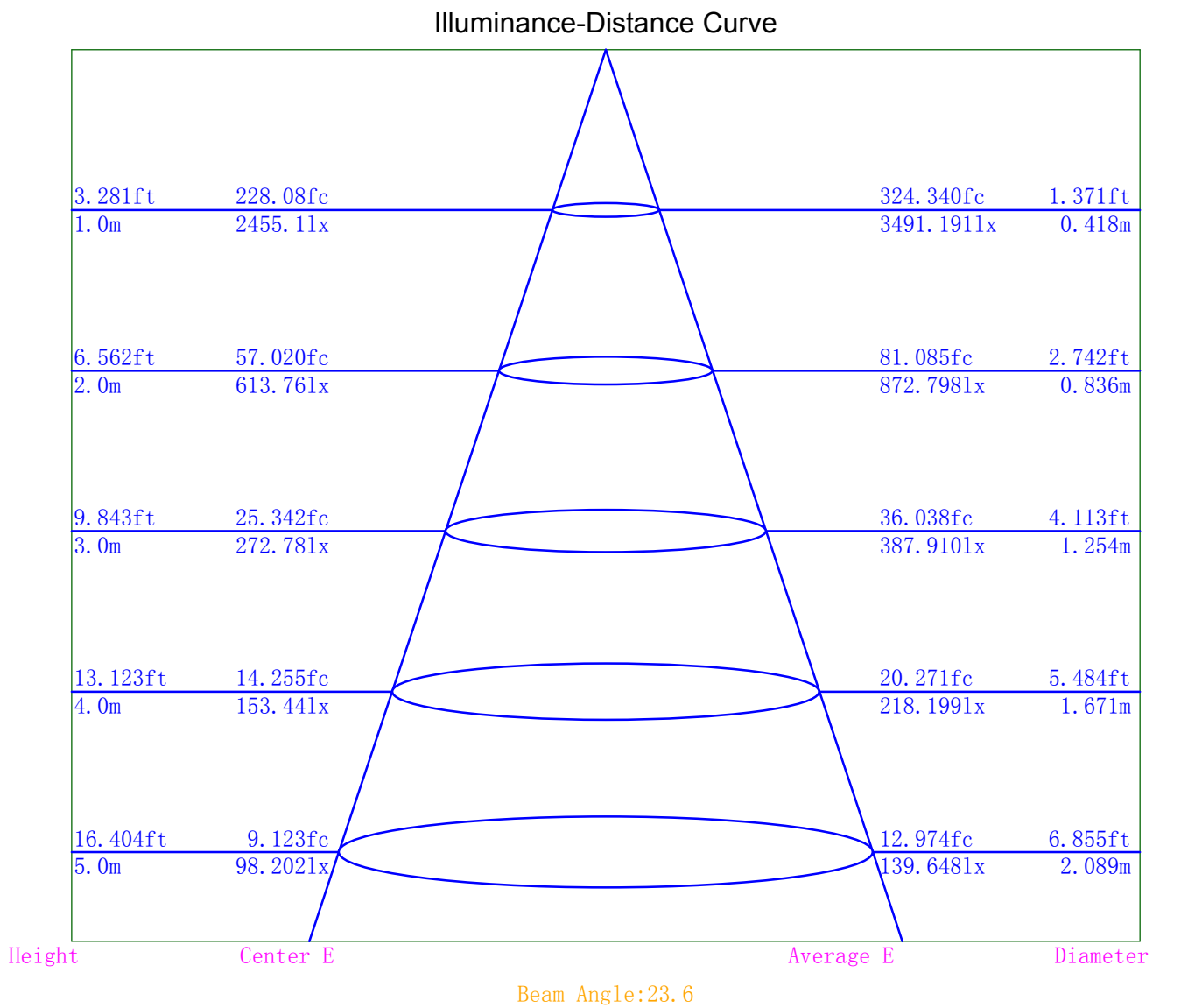
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2455.05lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:2455.052cd,0eg

Illuminance-Distance Diagram

Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16



Indoor Luminance Limiting Curves

Lum. Name: MD12-09-XX-01 RA90 24D 3000K	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quaility Department
Manufacture: Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date: 2019/04/16

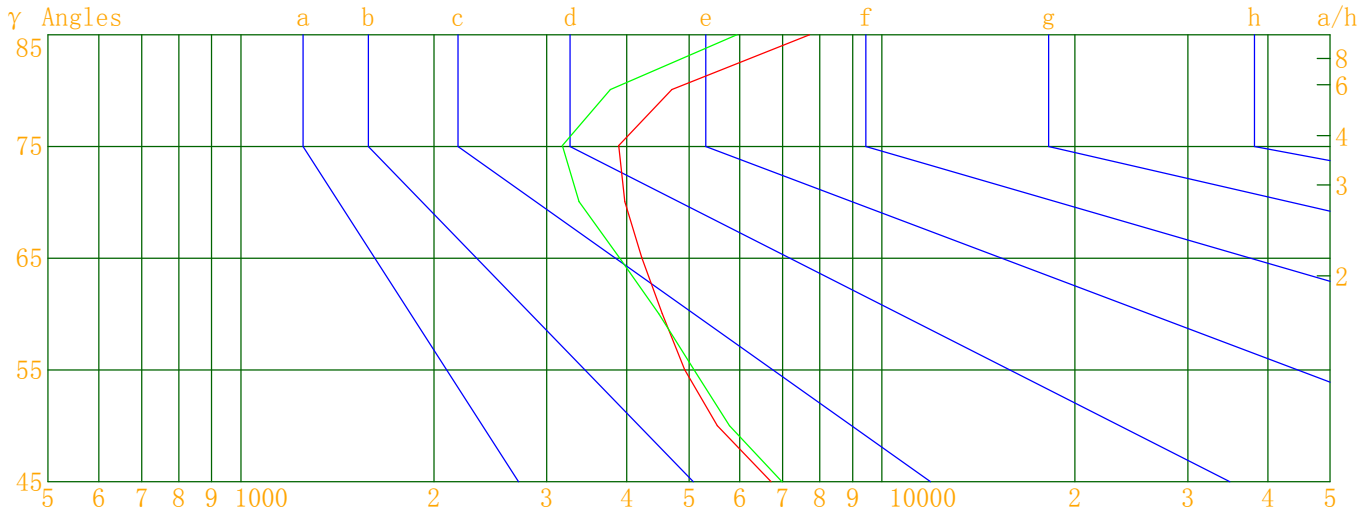
Glare Grade Table

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	6711	5536	4922	4543	4218	3971	3884	4704	7706
C90	6987	5783	5091	4486	3892	3370	3172	3769	5940

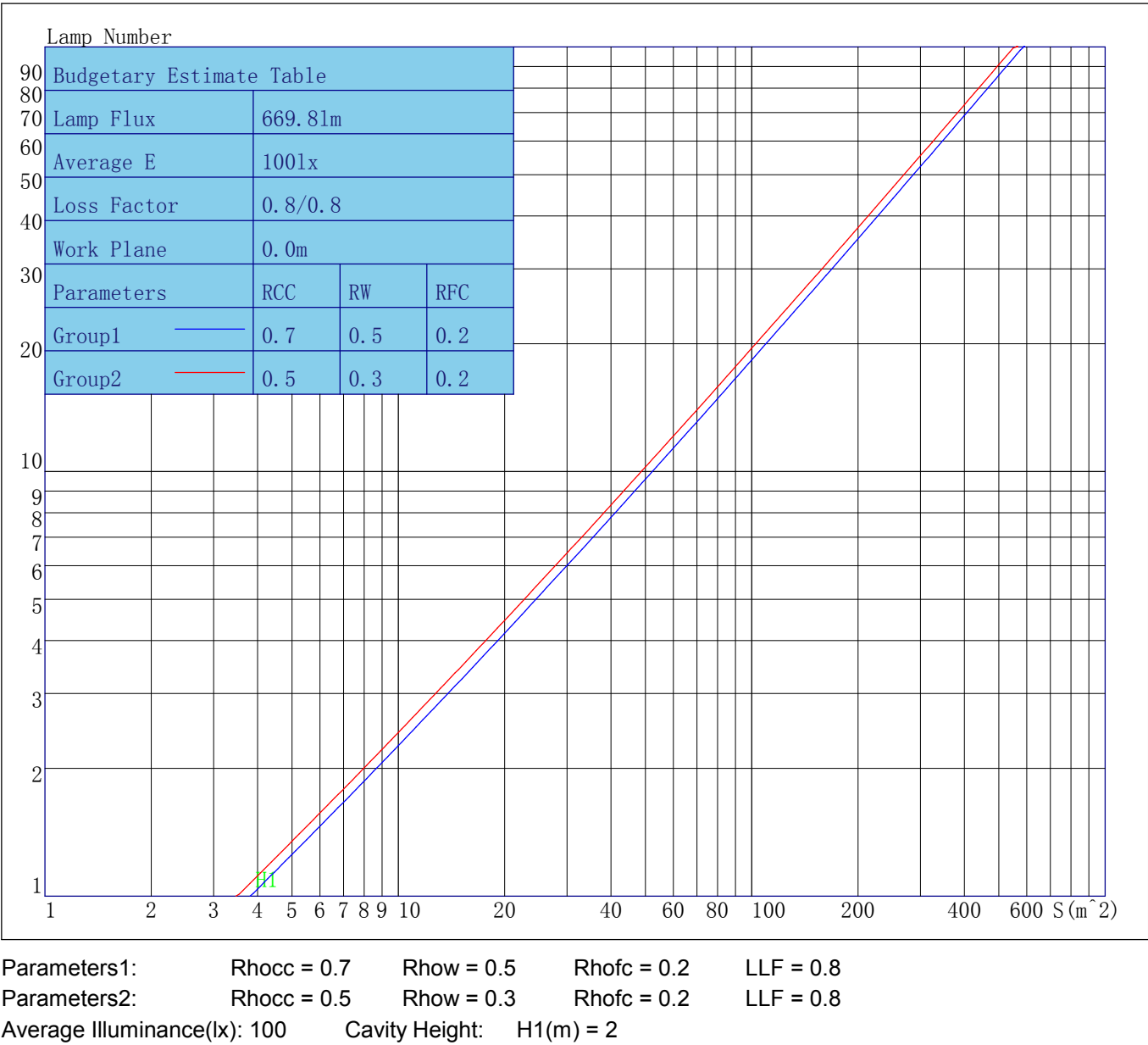
Luminance Limiting Curve



Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.045 Area(m^2)=0.004750  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quaility Department
Manufacture: Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date: 2019/04/16



Indoor Coefficient of Utilization Table

Lum. Name:MD12-09-XX-01 RA90 24D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaility Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16

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	95	95	95	95	92	92	92	92	88	88	88	84	84	84	80	80	80	78
1	91	89	87	85	89	87	85	84	83	82	81	80	79	78	77	76	75	74
2	87	83	80	78	85	82	79	77	79	77	75	76	75	73	74	73	71	70
3	83	79	75	72	82	78	74	72	75	73	70	73	71	69	71	69	68	67
4	80	75	71	68	79	74	70	68	72	69	67	70	68	66	68	66	65	63
5	77	71	67	64	76	70	67	64	69	66	63	67	65	63	66	64	62	61
6	74	68	64	61	73	67	64	61	66	63	60	65	62	60	64	61	59	58
7	72	65	61	58	70	65	61	58	64	60	58	63	60	57	62	59	57	56
8	69	63	59	56	68	62	59	56	61	58	56	60	57	55	60	57	55	54
9	67	60	57	54	66	60	56	54	59	56	54	58	55	53	58	55	53	52
10	65	58	55	52	64	58	54	52	57	54	52	57	54	51	56	53	51	50

Unified Glare Rating Table

Lum. Name: MD12-09-XX-01 RA90 24D 3000K	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quaility Department
Manufacture: Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date: 2019/04/16

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	13.7	14.2	14.1	14.6	15.0	13.9	14.5	14.4	14.8	15.2
	Y=3H	14.6	15.0	15.0	15.4	15.8	14.6	15.0	15.0	15.4	15.8
	Y=4H	15.0	15.4	15.5	15.8	16.2	14.9	15.2	15.3	15.6	16.1
	Y=6H	15.5	15.8	16.0	16.2	16.7	15.2	15.5	15.7	15.9	16.4
	Y=8H	15.8	16.1	16.4	16.5	17.0	15.4	15.6	15.9	16.1	16.5
	Y=12H	16.2	16.4	16.7	16.8	17.3	15.7	15.8	16.2	16.3	16.8
X=4H	Y=2H	14.1	14.4	14.5	14.8	15.3	14.3	14.6	14.7	15.0	15.5
	Y=3H	15.2	15.4	15.7	15.8	16.3	15.1	15.3	15.6	15.7	16.2
	Y=4H	15.8	15.9	16.3	16.3	16.9	15.5	15.6	16.0	16.1	16.6
	Y=6H	16.5	16.5	17.0	17.0	17.5	16.0	16.0	16.6	16.5	17.1
	Y=8H	16.9	16.8	17.4	17.3	17.9	16.3	16.3	16.9	16.8	17.3
	Y=12H	17.4	17.3	18.0	17.8	18.4	16.7	16.6	17.3	17.1	17.7
X=8H	Y=4H	16.0	16.0	16.6	16.5	17.0	15.7	15.6	16.3	16.2	16.7
	Y=6H	17.0	16.8	17.6	17.3	17.8	16.4	16.2	17.0	16.8	17.3
	Y=8H	17.6	17.3	18.2	17.9	18.5	16.9	16.7	17.5	17.3	17.8
	Y=12H	18.3	18.0	18.9	18.6	19.2	17.5	17.2	18.1	17.8	18.4
X=12H	Y=4H	16.0	15.9	16.6	16.4	17.0	15.7	15.6	16.3	16.1	16.7
	Y=6H	17.1	16.8	17.7	17.4	18.0	16.5	16.3	17.2	16.8	17.5
	Y=8H	17.8	17.5	18.4	18.0	18.7	17.1	16.8	17.7	17.4	18.1
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.2/-0.2				
S=1.5H		0.3/-0.3					0.4/-0.3				
S=2.0H		0.5/-0.5					0.7/-0.6				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		3.0					2.4				

o the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

IES Indoor Report

Photometric Filename:MD12-09-XX-01 RA90 24D 3000K.IES

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	2455.05	2455.05	2455.05	2455.05
γ 1.0	2449.15	2333.04	2481.39	2458.38
γ 2.0	2393.27	2226.72	2461.20	2481.32
γ 3.0	2310.25	2095.27	2423.20	2485.05
γ 4.0	2202.72	1949.65	2359.96	2467.69
γ 5.0	2065.75	1810.09	2265.56	2422.39
γ 6.0	1916.08	1670.17	2144.99	2348.79
γ 7.0	1763.44	1528.89	2006.69	2254.97
γ 8.0	1614.49	1394.45	1867.29	2132.32
γ 9.0	1469.35	1270.38	1728.55	1986.41
γ 10.0	1330.55	1153.70	1594.16	1835.36
γ 11.0	1198.30	1043.13	1465.76	1692.42
γ 12.0	1072.83	940.04	1349.17	1555.65
γ 13.0	954.09	844.87	1235.56	1422.25
γ 14.0	843.36	754.58	1127.09	1289.10
γ 15.0	741.86	670.45	1025.82	1161.13
γ 16.0	649.72	593.20	930.42	1039.48
γ 17.0	567.01	522.56	837.97	924.20
γ 18.0	493.27	460.28	751.73	818.08
γ 19.0	427.93	404.73	669.72	721.46
γ 20.0	369.75	356.44	594.87	633.66
γ 21.0	318.88	313.42	526.85	554.60
γ 22.0	275.04	275.89	467.86	483.22
γ 23.0	237.42	243.13	415.59	420.76
γ 24.0	206.37	214.13	369.39	366.01
γ 25.0	180.41	188.35	328.64	318.72
γ 26.0	158.19	165.25	291.78	278.39
γ 27.0	138.87	144.92	257.88	242.84
γ 28.0	122.25	127.59	228.18	211.56
γ 29.0	107.82	112.77	201.43	184.15
γ 30.0	95.40	99.55	178.26	160.57
γ 31.0	84.65	87.86	157.26	140.07
γ 32.0	75.07	77.98	138.68	122.40
γ 33.0	66.67	69.61	122.21	106.68
γ 34.0	59.61	62.24	108.08	93.28
γ 35.0	53.54	55.78	96.04	81.86
γ 36.0	48.13	50.11	85.25	72.04
γ 37.0	43.50	45.22	75.94	63.78
γ 38.0	39.45	41.02	67.75	56.65
γ 39.0	35.96	37.37	60.48	50.51
γ 40.0	32.92	34.22	54.50	45.25
γ 41.0	30.15	31.38	49.33	40.78
γ 42.0	27.88	29.00	44.83	36.97
γ 43.0	25.86	26.90	40.99	33.68
γ 44.0	24.11	25.11	37.55	30.89
γ 45.0	22.54	23.47	34.68	28.49
γ 46.0	21.16	22.04	32.27	26.45

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Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	19.94	20.73	30.06	24.69
γ 48.0	18.84	19.56	28.07	23.19
γ 49.0	17.84	18.56	26.31	21.85
γ 50.0	16.90	17.66	24.78	20.74
γ 51.0	16.07	16.80	23.36	19.73
γ 52.0	15.31	16.01	22.10	18.82
γ 53.0	14.63	15.27	21.00	17.97
γ 54.0	14.01	14.56	19.97	17.25
γ 55.0	13.41	13.87	19.04	16.57
γ 56.0	12.84	13.23	18.11	15.95
γ 57.0	12.30	12.58	17.22	15.35
γ 58.0	11.80	11.90	16.40	14.75
γ 59.0	11.31	11.27	15.58	14.19
γ 60.0	10.79	10.65	14.77	13.66
γ 61.0	10.30	10.04	13.94	13.13
γ 62.0	9.82	9.44	13.14	12.63
γ 63.0	9.36	8.88	12.34	12.07
γ 64.0	8.92	8.33	11.59	11.56
γ 65.0	8.47	7.81	10.87	11.05
γ 66.0	8.05	7.30	10.19	10.53
γ 67.0	7.65	6.83	9.52	10.02
γ 68.0	7.24	6.36	8.89	9.52
γ 69.0	6.84	5.91	8.27	9.04
γ 70.0	6.45	5.47	7.69	8.55
γ 71.0	6.07	5.07	7.12	8.07
γ 72.0	5.72	4.69	6.60	7.60
γ 73.0	5.37	4.34	6.10	7.13
γ 74.0	5.06	4.07	5.63	6.69
γ 75.0	4.78	3.90	5.21	6.26
γ 76.0	4.56	3.71	4.84	5.85
γ 77.0	4.36	3.55	4.55	5.45
γ 78.0	4.19	3.39	4.31	5.09
γ 79.0	4.03	3.25	4.10	4.84
γ 80.0	3.88	3.11	3.90	4.63
γ 81.0	3.73	2.98	3.72	4.43
γ 82.0	3.59	2.85	3.56	4.24
γ 83.0	3.46	2.73	3.39	4.07
γ 84.0	3.34	2.59	3.24	3.90
γ 85.0	3.19	2.46	3.09	3.75
γ 86.0	3.03	2.34	2.95	3.60
γ 87.0	2.91	2.22	2.79	3.44
γ 88.0	2.79	2.15	2.63	3.30
γ 89.0	2.68	2.11	2.49	3.13
γ 90.0	2.62	2.05	2.35	2.97
γ 91.0	2.56	2.02	2.28	2.82
γ 92.0	2.51	1.99	2.21	2.70
γ 93.0	2.46	1.95	2.14	2.62



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.41	1.91	2.09	2.56
γ 95.0	2.37	1.88	2.04	2.49
γ 96.0	2.33	1.84	1.99	2.42
γ 97.0	2.30	1.81	1.94	2.37
γ 98.0	2.25	1.79	1.90	2.31
γ 99.0	2.21	1.77	1.85	2.26
γ 100.0	2.19	1.74	1.83	2.20
γ 101.0	2.16	1.73	1.80	2.16
γ 102.0	2.12	1.70	1.77	2.11
γ 103.0	2.10	1.69	1.75	2.08
γ 104.0	2.07	1.67	1.73	2.05
γ 105.0	2.04	1.65	1.71	2.02
γ 106.0	2.02	1.63	1.69	1.99
γ 107.0	2.01	1.61	1.68	1.96
γ 108.0	1.98	1.59	1.67	1.95
γ 109.0	1.96	1.58	1.65	1.93
γ 110.0	1.93	1.55	1.65	1.90
γ 111.0	1.93	1.55	1.65	1.89
γ 112.0	1.91	1.53	1.64	1.89
γ 113.0	1.88	1.52	1.63	1.88
γ 114.0	1.87	1.50	1.63	1.87
γ 115.0	1.85	1.50	1.64	1.86
γ 116.0	1.85	1.49	1.63	1.86
γ 117.0	1.83	1.49	1.65	1.86
γ 118.0	1.83	1.49	1.64	1.86
γ 119.0	1.83	1.50	1.66	1.86
γ 120.0	1.83	1.52	1.67	1.87
γ 121.0	1.84	1.52	1.69	1.88
γ 122.0	1.86	1.56	1.71	1.89
γ 123.0	1.87	1.59	1.75	1.90
γ 124.0	1.90	1.64	1.77	1.93
γ 125.0	1.93	1.67	1.80	1.95
γ 126.0	1.98	1.73	1.82	1.98
γ 127.0	2.02	1.80	1.88	2.01
γ 128.0	2.09	1.86	1.94	2.06
γ 129.0	2.15	1.94	1.99	2.10
γ 130.0	2.22	2.02	2.05	2.15
γ 131.0	2.31	2.12	2.13	2.21
γ 132.0	2.39	2.23	2.21	2.28
γ 133.0	2.49	2.34	2.30	2.35
γ 134.0	2.60	2.46	2.40	2.42
γ 135.0	2.70	2.58	2.50	2.53
γ 136.0	2.82	2.70	2.62	2.62
γ 137.0	2.93	2.84	2.73	2.72
γ 138.0	3.06	2.97	2.86	2.83
γ 139.0	3.19	3.11	2.99	2.96
γ 140.0	3.34	3.26	3.13	3.07

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	3.48	3.40	3.28	3.20
γ 142.0	3.62	3.54	3.42	3.34
γ 143.0	3.76	3.70	3.56	3.48
γ 144.0	3.90	3.82	3.71	3.62
γ 145.0	4.03	3.96	3.84	3.76
γ 146.0	4.16	4.07	3.99	3.90
γ 147.0	4.30	4.19	4.12	4.03
γ 148.0	4.43	4.32	4.25	4.17
γ 149.0	4.54	4.42	4.38	4.29
γ 150.0	4.66	4.52	4.50	4.41
γ 151.0	4.75	4.62	4.62	4.52
γ 152.0	4.85	4.70	4.71	4.65
γ 153.0	4.92	4.77	4.81	4.73
γ 154.0	5.00	4.83	4.90	4.83
γ 155.0	5.07	4.89	4.99	4.91
γ 156.0	5.13	4.95	5.06	4.99
γ 157.0	5.19	5.00	5.12	5.05
γ 158.0	5.23	5.03	5.19	5.12
γ 159.0	5.27	5.08	5.24	5.17
γ 160.0	5.30	5.10	5.29	5.21
γ 161.0	5.32	5.13	5.33	5.25
γ 162.0	5.34	5.15	5.37	5.29
γ 163.0	5.36	5.17	5.41	5.31
γ 164.0	5.37	5.17	5.42	5.33
γ 165.0	5.38	5.18	5.44	5.35
γ 166.0	5.37	5.18	5.45	5.36
γ 167.0	5.37	5.18	5.46	5.36
γ 168.0	5.36	5.18	5.46	5.37
γ 169.0	5.36	5.17	5.45	5.36
γ 170.0	5.34	5.17	5.44	5.36
γ 171.0	5.34	5.17	5.44	5.35
γ 172.0	5.33	5.17	5.43	5.34
γ 173.0	5.31	5.17	5.41	5.33
γ 174.0	5.30	5.18	5.39	5.32
γ 175.0	5.30	5.20	5.36	5.30
γ 176.0	5.29	5.20	5.35	5.28
γ 177.0	5.30	5.22	5.34	5.27
γ 178.0	5.30	5.22	5.32	5.27
γ 179.0	5.30	5.22	5.32	5.27
γ 180.0	5.28	5.28	5.28	5.28

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