

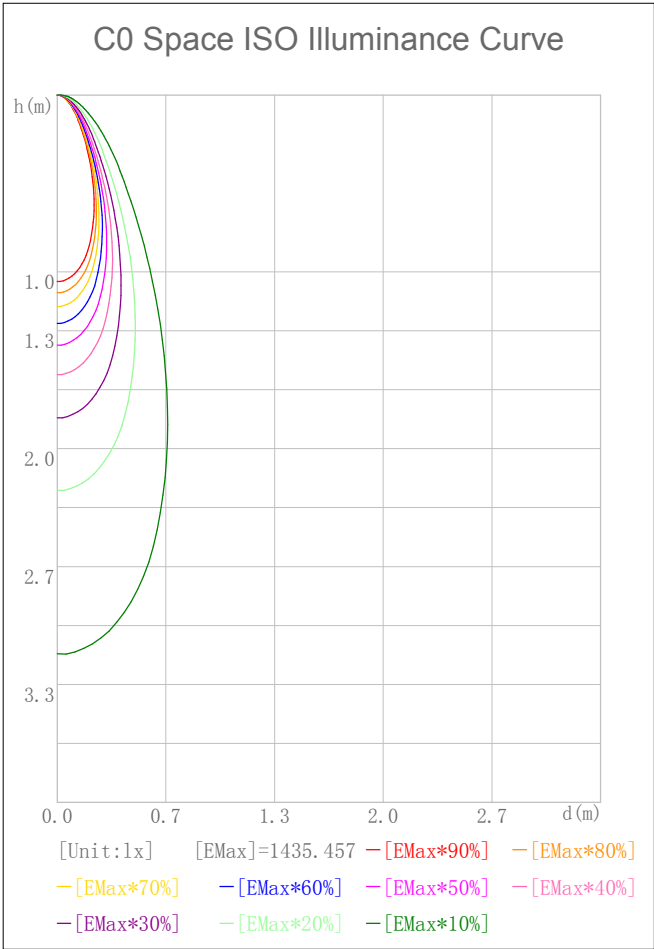
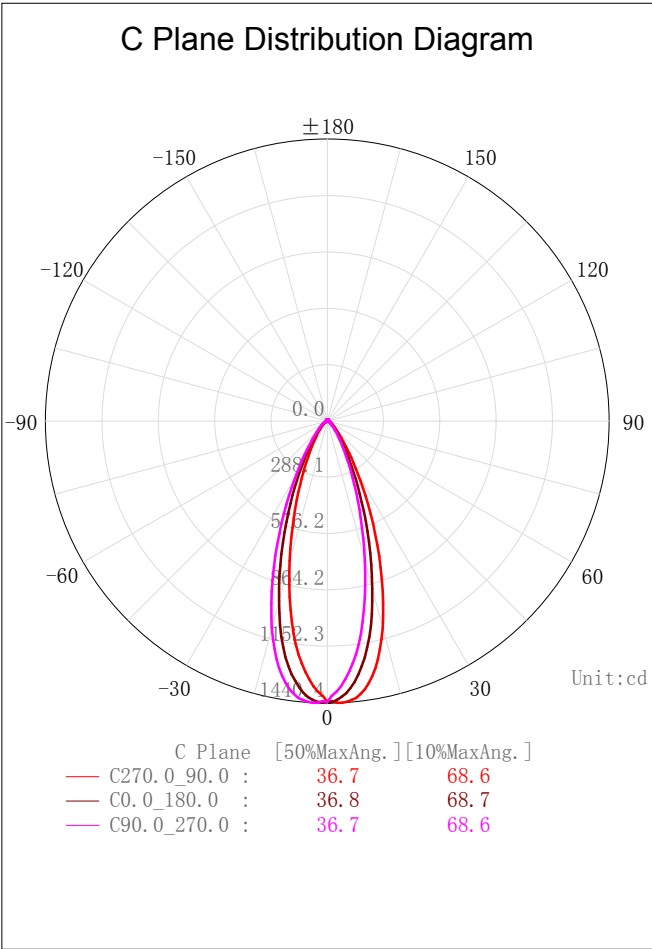
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 4000K 36D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/04/28
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

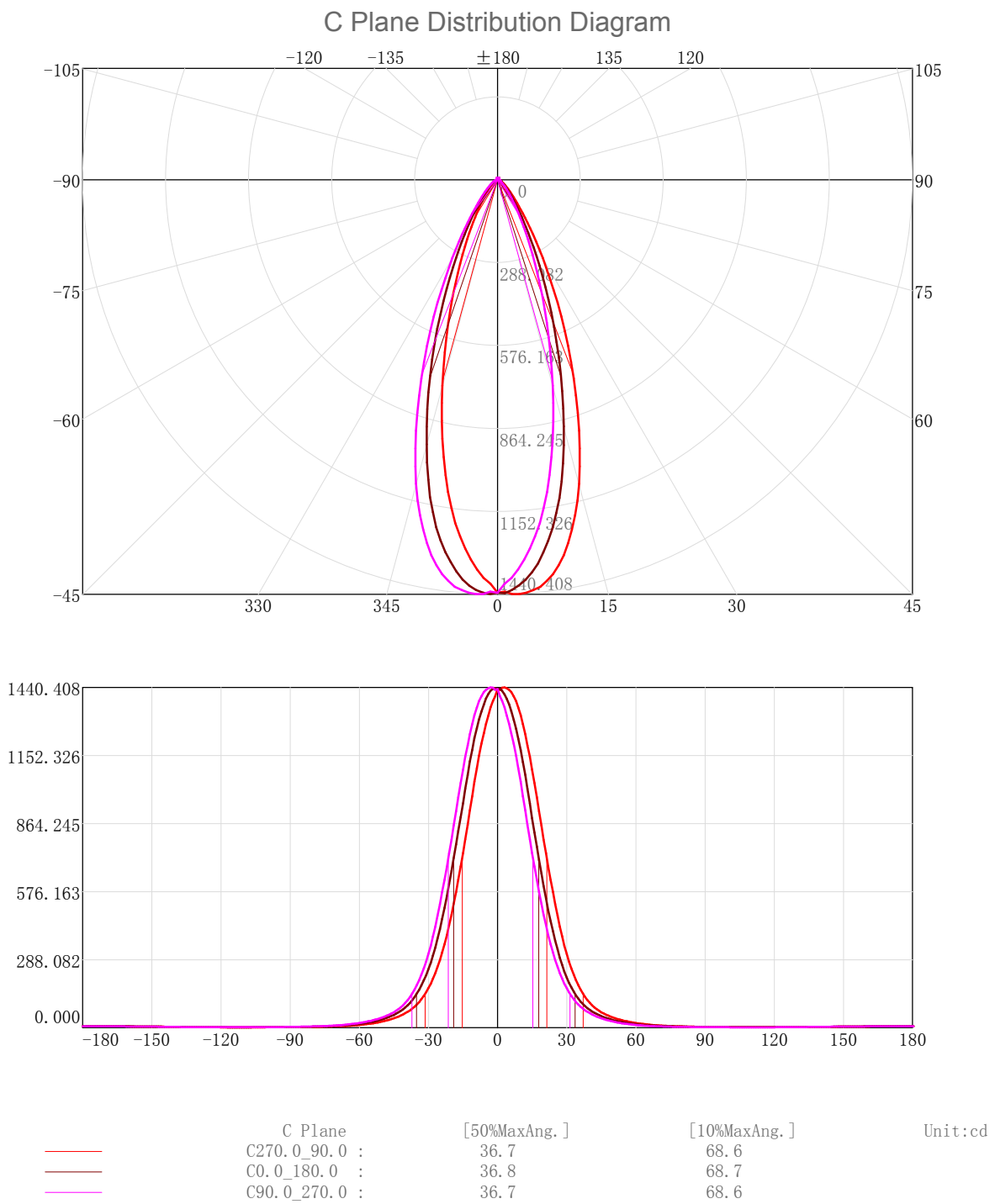
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 951.000	Luminary Flux(lm): 761.947	Field Angle(10%Imax): 68.6(°)	
Rated Power(W):	Luminary Efficiency: 80.12%	Down Lumens&Percent: 737.971lm 96.85%	
Rated Voltage(V):	Luminary EER(lm/W): 84.991	Up Lumens&Percent: 23.976lm 3.15%	
Tested Power(W): 8.965	Max. Candela(cd): 1440.408	S/MH: C0_a180=0.601 C90_270=0.599	
Lamps' Inside: 1	Max Cand@Ang.(°): C=270.0 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.1, 0.040, 0.912		ErP Φuse(90°): 655.860lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 441.728	
		Beam Angle(50%Imax): 36.7(°)	
		Left=-15.4°, Right=21.3°	



2D Plane Light Intensity Distribution Curve

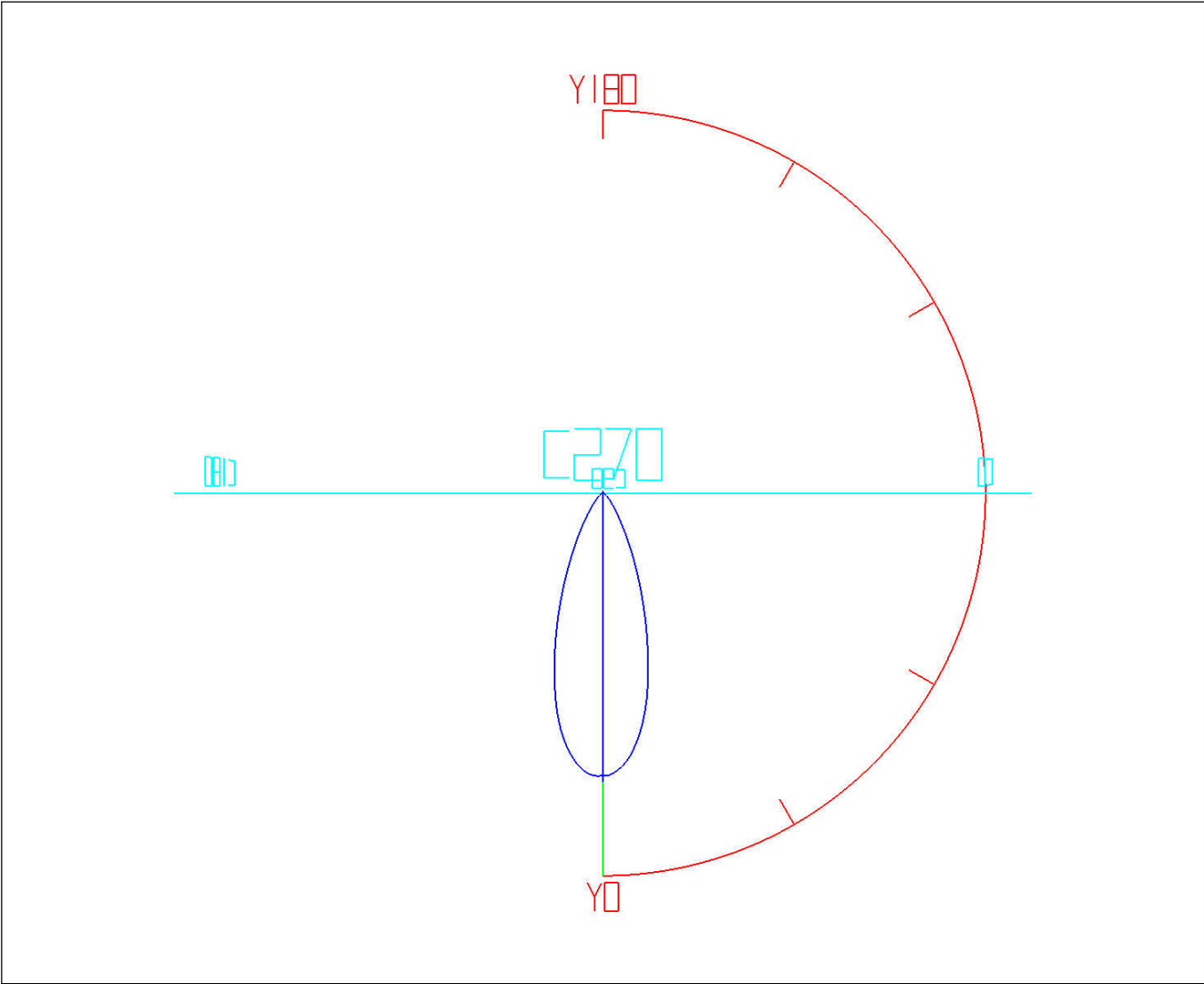
Lum. Name:MD12-09-XX-01 RA90 4000K 36D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaility Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/28



3D Light Intensity Distribution Modal

Lum. Name:MD12-09-XX-01 RA90 4000K 36D	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:2019/04/28

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

Photometric Filename:MD12-09-XX-01 RA90 4000K 36D.IES

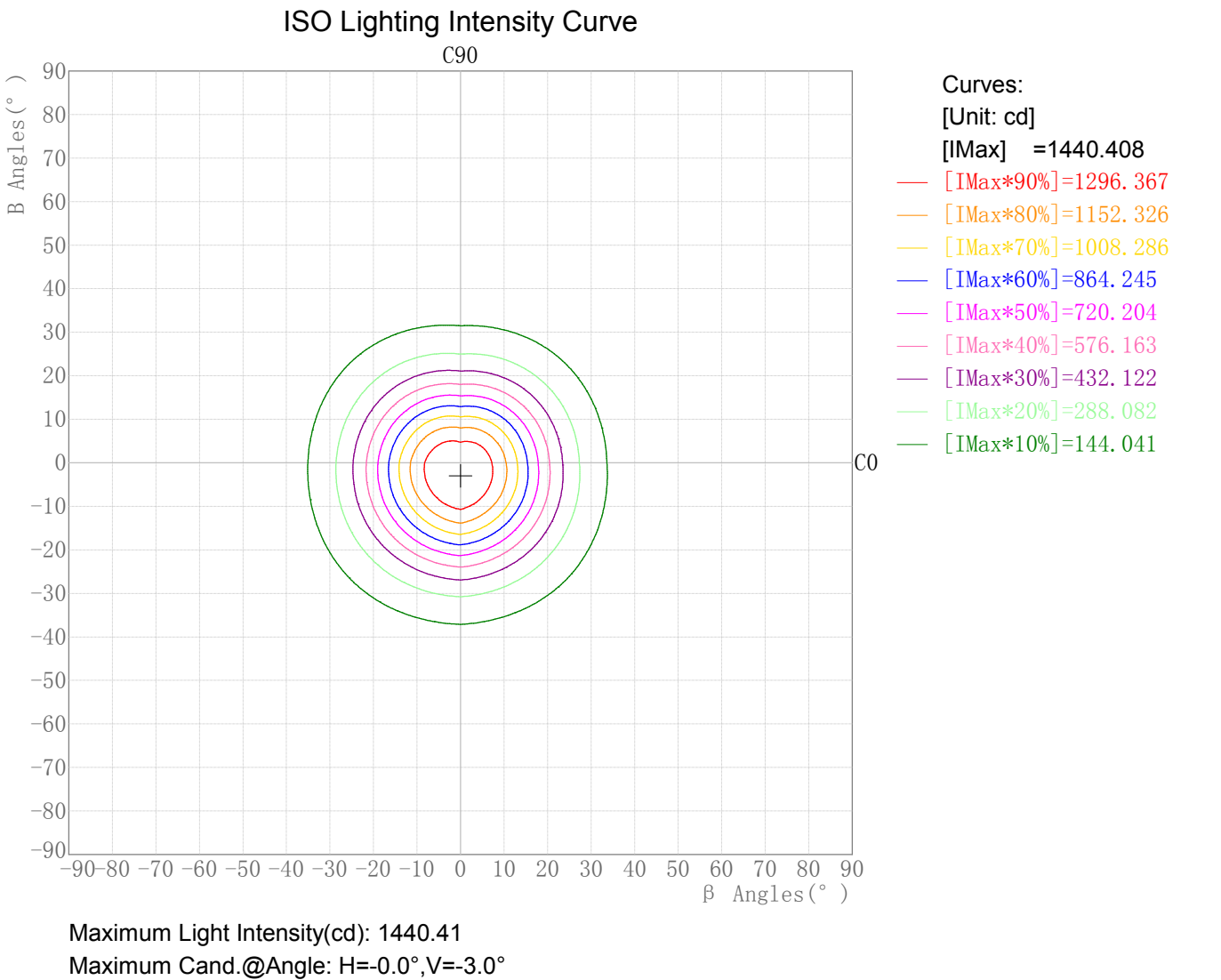
Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.37	1.37	0.14	0.14	47.0-48.0	3.49	685.82	0.37	72.12
1.0-2.0	4.09	5.46	0.43	0.57	48.0-49.0	3.27	689.10	0.34	72.46
2.0-3.0	6.77	12.22	0.71	1.29	49.0-50.0	3.07	692.17	0.32	72.78
3.0-4.0	9.37	21.59	0.99	2.27	50.0-51.0	2.87	695.04	0.30	73.09
4.0-5.0	11.88	33.47	1.25	3.52	51.0-52.0	2.69	697.73	0.28	73.37
5.0-6.0	14.26	47.73	1.50	5.02	52.0-53.0	2.52	700.25	0.27	73.63
6.0-7.0	16.48	64.21	1.73	6.75	53.0-54.0	2.37	702.63	0.25	73.88
7.0-8.0	18.52	82.73	1.95	8.70	54.0-55.0	2.23	704.85	0.23	74.12
8.0-9.0	20.36	103.08	2.14	10.84	55.0-56.0	2.09	706.94	0.22	74.34
9.0-10.0	21.96	125.05	2.31	13.15	56.0-57.0	1.96	708.90	0.21	74.54
10.0-11.0	23.32	148.36	2.45	15.60	57.0-58.0	1.84	710.74	0.19	74.74
11.0-12.0	24.40	172.76	2.57	18.17	58.0-59.0	1.73	712.47	0.18	74.92
12.0-13.0	25.20	197.96	2.65	20.82	59.0-60.0	1.63	714.10	0.17	75.09
13.0-14.0	25.73	223.69	2.71	23.52	60.0-61.0	1.52	715.62	0.16	75.25
14.0-15.0	26.01	249.70	2.73	26.26	61.0-62.0	1.43	717.05	0.15	75.40
15.0-16.0	26.04	275.74	2.74	28.99	62.0-63.0	1.35	718.40	0.14	75.54
16.0-17.0	25.85	301.59	2.72	31.71	63.0-64.0	1.27	719.67	0.13	75.67
17.0-18.0	25.48	327.07	2.68	34.39	64.0-65.0	1.19	720.86	0.13	75.80
18.0-19.0	24.93	352.00	2.62	37.01	65.0-66.0	1.13	721.99	0.12	75.92
19.0-20.0	24.22	376.22	2.55	39.56	66.0-67.0	1.07	723.06	0.11	76.03
20.0-21.0	23.37	399.59	2.46	42.02	67.0-68.0	1.01	724.07	0.11	76.14
21.0-22.0	22.41	422.00	2.36	44.37	68.0-69.0	0.96	725.03	0.10	76.24
22.0-23.0	21.35	443.35	2.25	46.62	69.0-70.0	0.91	725.94	0.10	76.33
23.0-24.0	20.24	463.60	2.13	48.75	70.0-71.0	0.87	726.81	0.09	76.43
24.0-25.0	19.10	482.70	2.01	50.76	71.0-72.0	0.82	727.63	0.09	76.51
25.0-26.0	17.94	500.63	1.89	52.64	72.0-73.0	0.78	728.42	0.08	76.60
26.0-27.0	16.77	517.40	1.76	54.41	73.0-74.0	0.75	729.17	0.08	76.67
27.0-28.0	15.62	533.02	1.64	56.05	74.0-75.0	0.72	729.88	0.08	76.75
28.0-29.0	14.50	547.52	1.52	57.57	75.0-76.0	0.69	730.57	0.07	76.82
29.0-30.0	13.44	560.95	1.41	58.99	76.0-77.0	0.66	731.23	0.07	76.89
30.0-31.0	12.45	573.40	1.31	60.29	77.0-78.0	0.63	731.86	0.07	76.96
31.0-32.0	11.51	584.91	1.21	61.50	78.0-79.0	0.61	732.47	0.06	77.02
32.0-33.0	10.62	595.53	1.12	62.62	79.0-80.0	0.59	733.06	0.06	77.08
33.0-34.0	9.79	605.32	1.03	63.65	80.0-81.0	0.57	733.63	0.06	77.14
34.0-35.0	9.02	614.35	0.95	64.60	81.0-82.0	0.55	734.18	0.06	77.20
35.0-36.0	8.32	622.67	0.87	65.48	82.0-83.0	0.53	734.72	0.06	77.26
36.0-37.0	7.68	630.35							

Zonal Flux Tabulation - (Cont.)

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94. 0-95. 0	0. 37	739. 91	0. 04	77. 80	141. 0-142. 0	0. 31	754. 22	0. 03	79. 31
95. 0-96. 0	0. 37	740. 28	0. 04	77. 84	142. 0-143. 0	0. 32	754. 54	0. 03	79. 34
96. 0-97. 0	0. 36	740. 64	0. 04	77. 88	143. 0-144. 0	0. 32	754. 86	0. 03	79. 37
97. 0-98. 0	0. 35	740. 99	0. 04	77. 92	144. 0-145. 0	0. 32	755. 17	0. 03	79. 41
98. 0-99. 0	0. 35	741. 34	0. 04	77. 95	145. 0-146. 0	0. 31	755. 48	0. 03	79. 44
99. 0-100. 0	0. 34	741. 68	0. 04	77. 99	146. 0-147. 0	0. 31	755. 80	0. 03	79. 47
100. 0-101. 0	0. 34	742. 02	0. 04	78. 03	147. 0-148. 0	0. 31	756. 11	0. 03	79. 51
101. 0-102. 0	0. 33	742. 35	0. 04	78. 06	148. 0-149. 0	0. 31	756. 42	0. 03	79. 54
102. 0-103. 0	0. 33	742. 68	0. 03	78. 09	149. 0-150. 0	0. 31	756. 72	0. 03	79. 57
103. 0-104. 0	0. 32	743. 01	0. 03	78. 13	150. 0-151. 0	0. 30	757. 02	0. 03	79. 60
104. 0-105. 0	0. 32	743. 33	0. 03	78. 16	151. 0-152. 0	0. 30	757. 32	0. 03	79. 63
105. 0-106. 0	0. 32	743. 64	0. 03	78. 20	152. 0-153. 0	0. 29	757. 61	0. 03	79. 66
106. 0-107. 0	0. 31	743. 95	0. 03	78. 23	153. 0-154. 0	0. 29	757. 90	0. 03	79. 70
107. 0-108. 0	0. 31	744. 26	0. 03	78. 26	154. 0-155. 0	0. 28	758. 18	0. 03	79. 72
108. 0-109. 0	0. 30	744. 56	0. 03	78. 29	155. 0-156. 0	0. 27	758. 46	0. 03	79. 75
109. 0-110. 0	0. 30	744. 86	0. 03	78. 32	156. 0-157. 0	0. 27	758. 72	0. 03	79. 78
110. 0-111. 0	0. 30	745. 16	0. 03	78. 36	157. 0-158. 0	0. 26	758. 98	0. 03	79. 81
111. 0-112. 0	0. 29	745. 45	0. 03	78. 39	158. 0-159. 0	0. 25	759. 23	0. 03	79. 84
112. 0-113. 0	0. 29	745. 75	0. 03	78. 42	159. 0-160. 0	0. 24	759. 47	0. 03	79. 86
113. 0-114. 0	0. 29	746. 03	0. 03	78. 45	160. 0-161. 0	0. 23	759. 70	0. 02	79. 88
114. 0-115. 0	0. 29	746. 32	0. 03	78. 48	161. 0-162. 0	0. 22	759. 93	0. 02	79. 91
115. 0-116. 0	0. 28	746. 61	0. 03	78. 51	162. 0-163. 0	0. 21	760. 14	0. 02	79. 93
116. 0-117. 0	0. 28	746. 89	0. 03	78. 54	163. 0-164. 0	0. 20	760. 34	0. 02	79. 95
117. 0-118. 0	0. 28	747. 17	0. 03	78. 57	164. 0-165. 0	0. 19	760. 53	0. 02	79. 97
118. 0-119. 0	0. 28	747. 45	0. 03	78. 60	165. 0-166. 0	0. 18	760. 71	0. 02	79. 99
119. 0-120. 0	0. 28	747. 73	0. 03	78. 63	166. 0-167. 0	0. 17	760. 88	0. 02	80. 01
120. 0-121. 0	0. 28	748. 01	0. 03	78. 66	167. 0-168. 0	0. 16	761. 03	0. 02	80. 02
121. 0-122. 0	0. 28	748. 30	0. 03	78. 69	168. 0-169. 0	0. 14	761. 18	0. 02	80. 04
122. 0-123. 0	0. 28	748. 58	0. 03	78. 71	169. 0-170. 0	0. 13	761. 31	0. 01	80. 05
123. 0-124. 0	0. 28	748. 86	0. 03	78. 74	170. 0-171. 0	0. 12	761. 43	0. 01	80. 07
124. 0-125. 0	0. 28	749. 14	0. 03	78. 77	171. 0-172. 0	0. 11	761. 54	0. 01	80. 08
125. 0-126. 0	0. 28	749. 42	0. 03	78. 80	172. 0-173. 0	0. 10	761. 63	0. 01	80. 09
126. 0-127. 0	0. 28	749. 71	0. 03	78. 83	173. 0-174. 0	0. 08	761. 72	0. 01	80. 10
127. 0-128. 0	0. 29	749. 99	0. 03	78. 86	174. 0-175. 0	0. 07	761. 79	0. 01	80. 10
128. 0-129. 0	0. 29	750. 28	0. 03	78. 89	175. 0-176. 0	0. 06	761. 84	0. 01	80. 11
129. 0-130. 0	0. 29	750. 57	0. 03	78. 92	176. 0-177. 0	0. 05	761. 89	0. 00	80. 11
130. 0-131. 0	0. 29	750. 86	0. 03	78. 95	177. 0-178. 0	0. 03	761. 92	0. 00	80. 12
131. 0-132. 0	0. 29	751. 16	0. 03	78. 99	178. 0-179. 0	0. 02	761. 94	0. 00	80. 12
132. 0-133. 0	0. 30	751. 45	0. 03	79. 02	179. 0-180. 0	0. 01	761. 95	0. 00	80. 12
133. 0-134. 0	0. 30	751. 75	0. 03	79. 05					
134. 0-135. 0	0. 30	752. 05	0. 03	79. 08					
135. 0-136. 0	0. 30	752. 36	0. 03	79. 11					
136. 0-137. 0	0. 31	752. 66	0. 03	79. 14					
137. 0-138. 0	0. 31	752. 97	0. 03	79. 18					
138. 0-139. 0	0. 31	753. 28	0. 03	79. 21					
139. 0-140. 0	0. 31	753. 60	0. 03	79. 24					
140. 0-141. 0	0. 31	753. 91	0. 03	79. 28					

Rectangle ISO Lighting Intensity Diagram

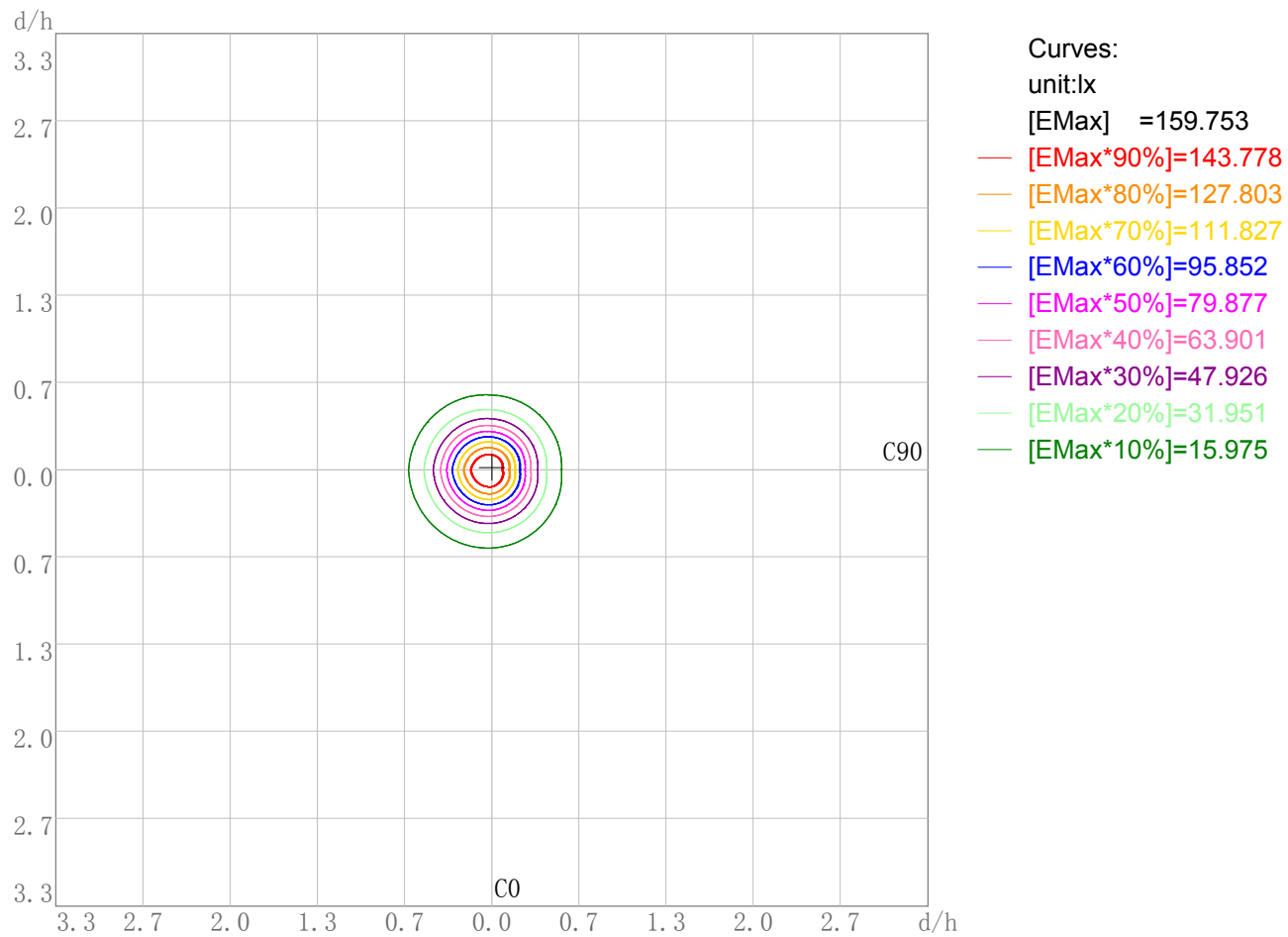
Lum. Name:MD12-09-XX-01 RA90 4000K 36D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/28



Plane ISO-Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 36D	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:2019/04/28

Plane ISO-Illuminance Curve

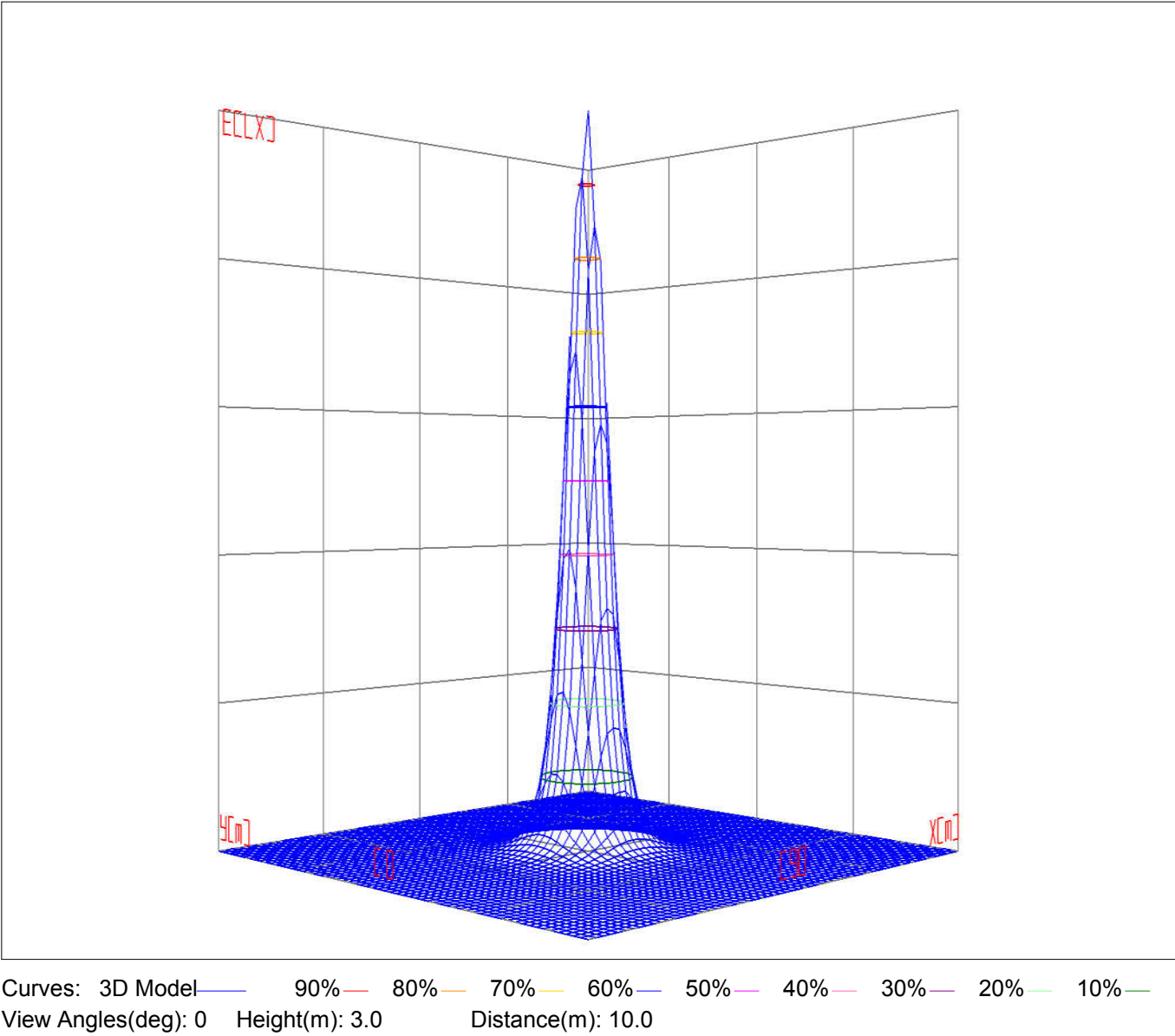


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 159.75
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: MD12-09-XX-01 RA90 4000K 36D	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: 2019/04/28

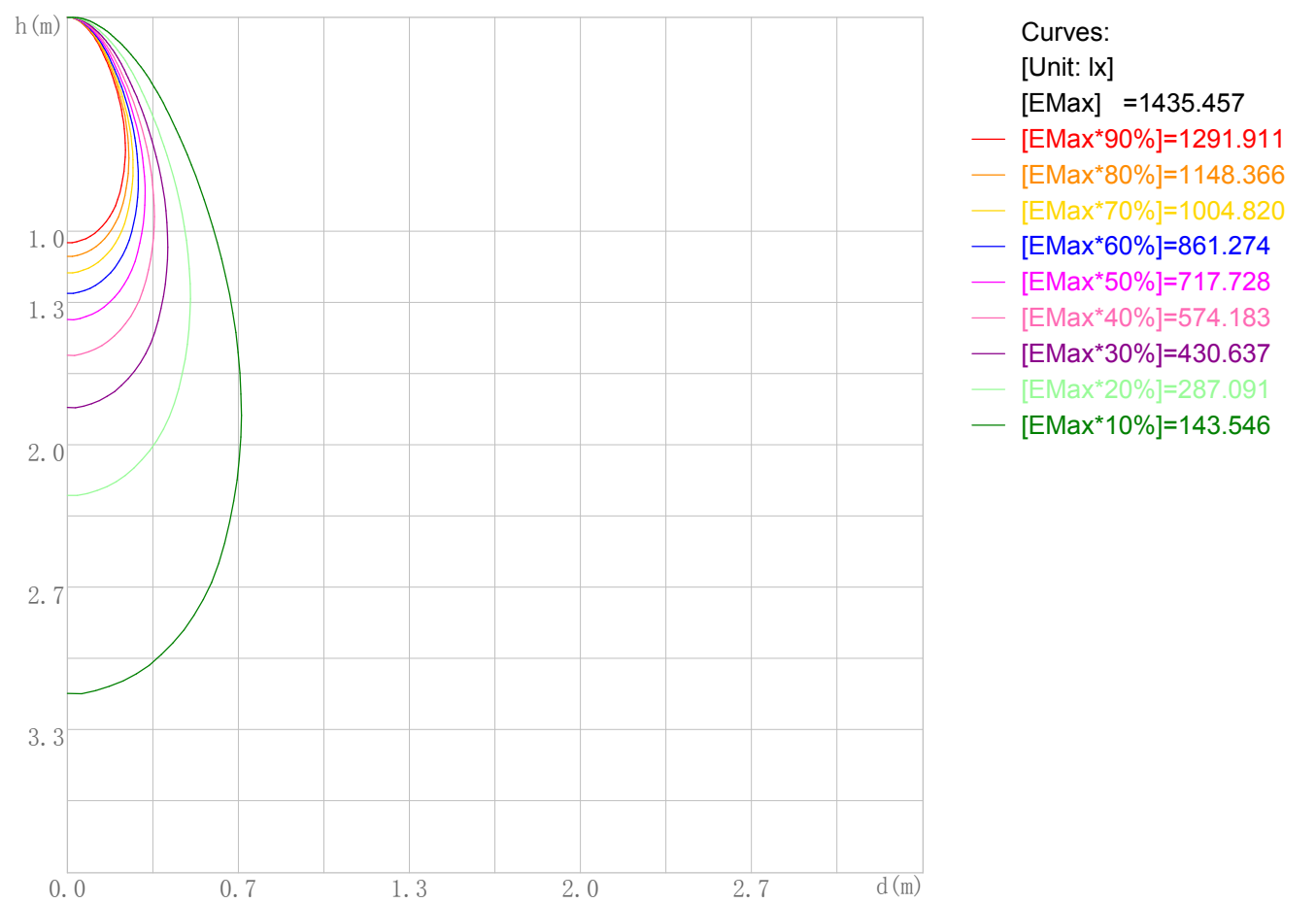
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: MD12-09-XX-01 RA90 4000K 36D	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: 2019/04/28

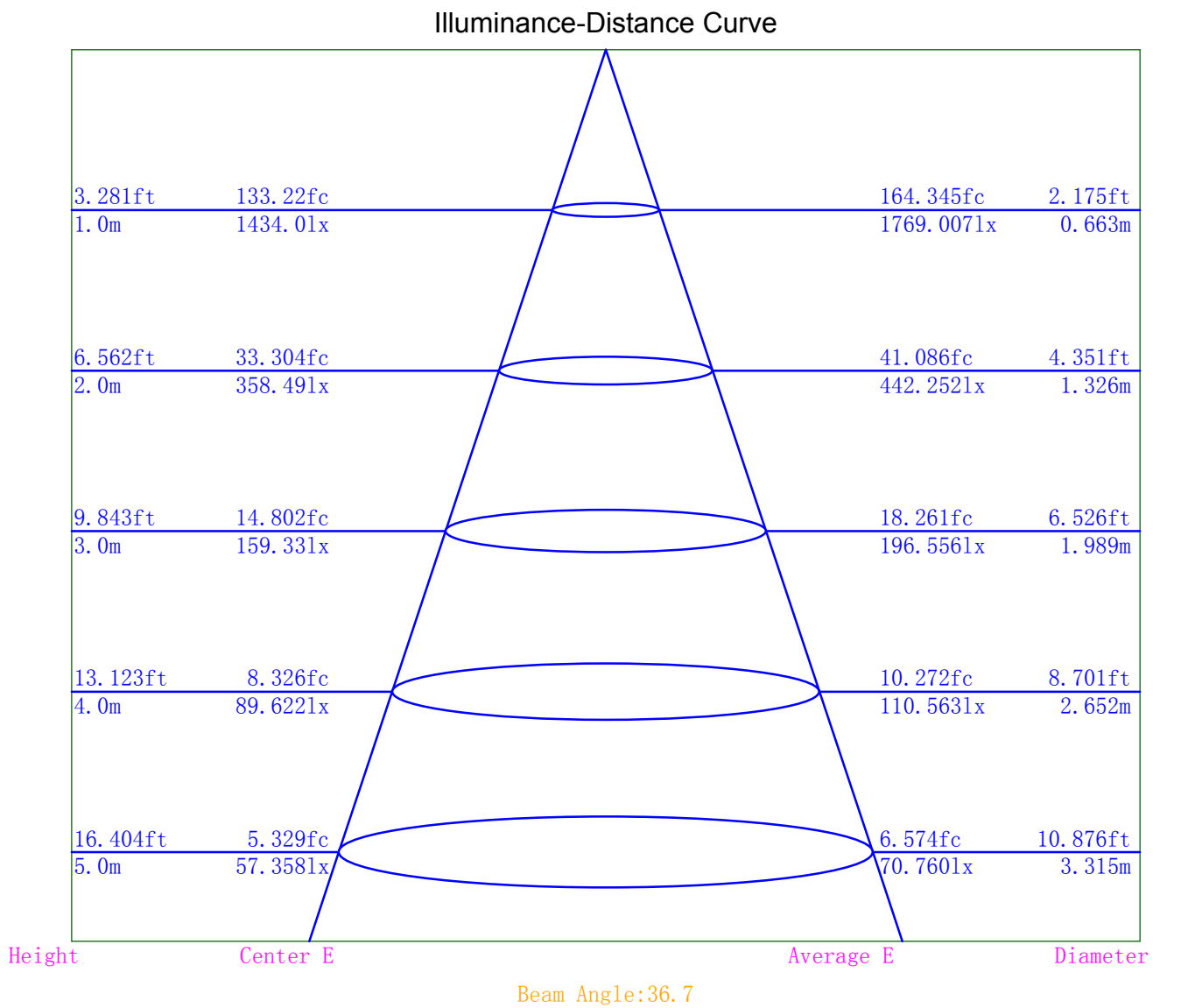
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1435.46lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1436.113cd,0eg

Illuminance-Distance Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 36D	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:2019/04/28



Indoor Luminance Limiting Curves

Lum. Name: MD12-09-XX-01 RA90 4000K 36D	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: 2019/04/28

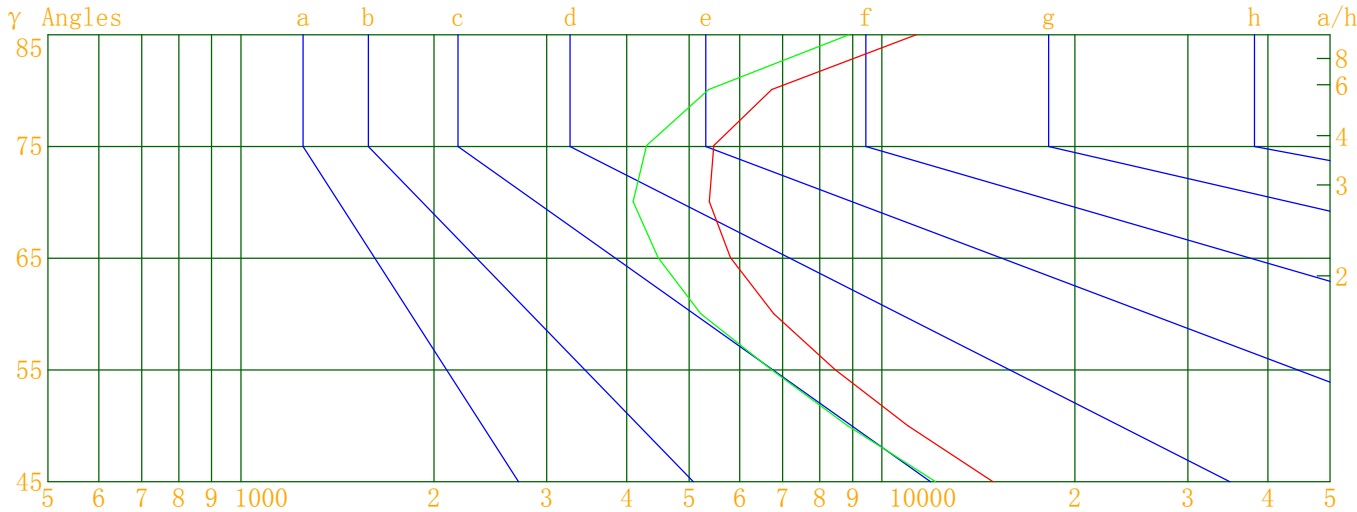
Glare Grade Table

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	14900	10974	8454	6780	5803	5377	5467	6730	11307
C90	12124	8842	6723	5215	4477	4090	4293	5364	8882

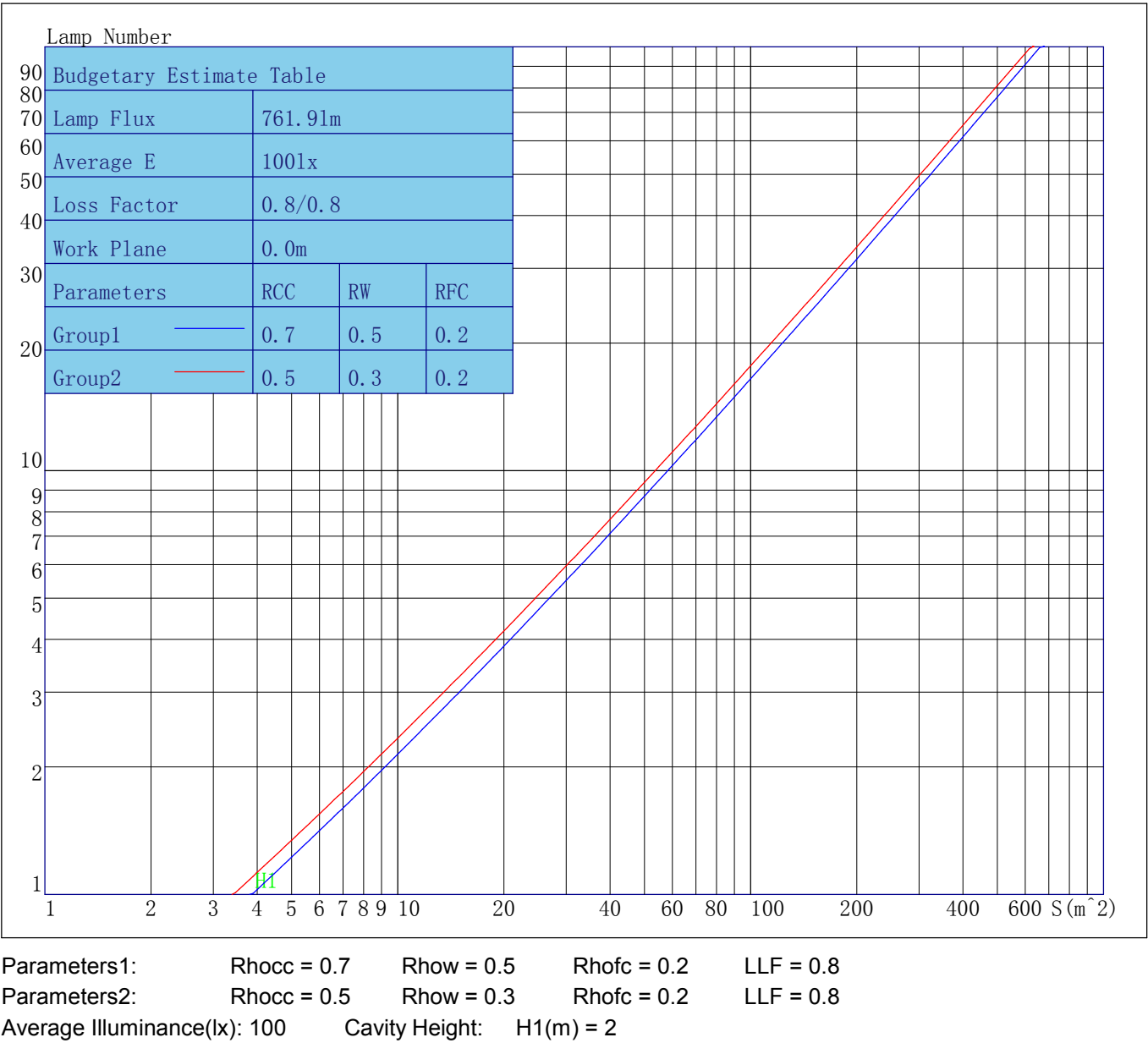
Luminance Limiting Curve



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 4000K 36D	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:2019/04/28



Indoor Coefficient of Utilization Table

Lum. Name:MD12-09-XX-01 RA90 4000K 36D	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:2019/04/28

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	83	83	83	79	79	79	78
1	90	88	86	84	88	86	84	82	82	81	79	79	78	76	76	75	74	72
2	86	82	78	76	84	80	77	75	77	75	73	74	72	71	72	70	69	67
3	81	76	72	69	80	75	71	68	73	70	67	70	68	66	68	66	64	63
4	78	72	67	64	76	71	67	63	69	65	62	67	64	61	65	62	60	59
5	74	67	63	60	73	67	62	59	65	61	58	63	60	58	62	59	57	56
6	71	64	59	56	69	63	59	56	62	58	55	60	57	54	59	56	54	53
7	68	60	56	53	66	60	55	52	59	55	52	57	54	51	56	53	51	50
8	65	57	53	50	64	57	53	50	56	52	49	55	51	49	54	51	48	47
9	62	55	50	47	61	54	50	47	53	49	47	52	49	46	52	48	46	45
10	59	52	48	45	59	52	48	45	51	47	45	50	47	44	49	46	44	43

Unified Glare Rating Table

Lum. Name: MD12-09-XX-01 RA90 4000K 36D	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: 2019/04/28

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	17.6	18.2	18.0	18.6	19.0	16.3	17.0	16.8	17.4	17.8
	Y=3H	18.0	18.5	18.4	18.9	19.4	16.7	17.2	17.1	17.6	18.1
	Y=4H	18.2	18.7	18.7	19.1	19.6	16.9	17.3	17.4	17.8	18.2
	Y=6H	18.5	18.9	19.0	19.3	19.8	17.2	17.6	17.7	18.0	18.5
	Y=8H	18.8	19.1	19.3	19.5	20.0	17.4	17.7	17.9	18.2	18.7
	Y=12H	19.1	19.3	19.6	19.8	20.3	17.7	18.0	18.2	18.4	18.9
X=4H	Y=2H	17.7	18.1	18.1	18.5	19.0	16.5	16.9	16.9	17.3	17.8
	Y=3H	18.2	18.5	18.7	19.0	19.5	17.0	17.3	17.5	17.7	18.2
	Y=4H	18.6	18.8	19.1	19.3	19.8	17.3	17.5	17.9	18.0	18.5
	Y=6H	19.1	19.2	19.7	19.7	20.3	17.8	17.9	18.4	18.4	19.0
	Y=8H	19.5	19.5	20.0	20.0	20.6	18.2	18.2	18.7	18.7	19.3
	Y=12H	19.9	19.9	20.5	20.4	21.0	18.6	18.5	19.1	19.1	19.7
X=8H	Y=4H	18.7	18.8	19.3	19.3	19.8	17.5	17.5	18.1	18.0	18.6
	Y=6H	19.5	19.4	20.1	20.0	20.5	18.2	18.1	18.8	18.7	19.2
	Y=8H	20.0	19.8	20.6	20.4	21.0	18.7	18.6	19.4	19.2	19.8
	Y=12H	20.7	20.4	21.3	21.0	21.7	19.4	19.2	20.0	19.7	20.4
X=12H	Y=4H	18.7	18.7	19.3	19.3	19.8	17.5	17.5	18.1	18.0	18.6
	Y=6H	19.6	19.4	20.2	19.9	20.6	18.3	18.2	19.0	18.7	19.4
	Y=8H	20.2	20.0	20.8	20.5	21.2	18.9	18.7	19.6	19.3	20.0
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.1/-0.2				
S=1.5H		0.3/-0.3					0.3/-0.3				
S=2.0H		0.4/-0.4					0.4/-0.4				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.2					2.1				

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 4000K 36D.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	1433.96	1433.96	1433.96	1433.96
γ 1.0	1436.11	1403.06	1438.44	1430.17
γ 2.0	1425.54	1383.14	1435.01	1439.14
γ 3.0	1410.47	1355.67	1426.77	1440.41
γ 4.0	1392.41	1321.76	1412.93	1437.32
γ 5.0	1368.44	1285.90	1393.46	1429.71
γ 6.0	1340.13	1245.34	1367.49	1421.28
γ 7.0	1303.51	1201.94	1337.58	1402.99
γ 8.0	1265.32	1151.74	1305.23	1382.90
γ 9.0	1222.52	1097.40	1266.77	1355.19
γ 10.0	1175.42	1041.49	1225.80	1323.60
γ 11.0	1125.19	980.89	1176.44	1285.67
γ 12.0	1070.63	919.69	1126.72	1242.46
γ 13.0	1010.94	858.14	1069.12	1194.89
γ 14.0	949.63	798.51	1011.71	1147.43
γ 15.0	886.66	740.24	951.11	1092.77
γ 16.0	826.71	683.31	891.96	1035.82
γ 17.0	767.73	626.99	833.00	975.43
γ 18.0	710.12	575.51	776.20	916.22
γ 19.0	653.84	525.24	718.97	856.22
γ 20.0	599.82	478.45	663.74	796.37
γ 21.0	547.50	434.50	609.42	738.97
γ 22.0	497.83	392.61	557.83	682.12
γ 23.0	451.54	354.05	507.72	626.75
γ 24.0	408.68	319.18	461.08	574.58
γ 25.0	368.75	286.77	417.75	523.42
γ 26.0	332.08	258.14	377.83	474.48
γ 27.0	297.59	232.11	340.39	429.06
γ 28.0	266.19	208.54	306.52	387.06
γ 29.0	237.74	187.06	275.55	347.74
γ 30.0	212.92	168.13	248.13	313.21
γ 31.0	190.97	151.30	223.38	281.05
γ 32.0	171.54	135.77	201.13	251.95
γ 33.0	153.73	121.77	180.41	225.87
γ 34.0	138.32	109.74	161.71	202.55
γ 35.0	124.24	99.04	145.31	181.50
γ 36.0	112.03	89.72	130.74	162.70
γ 37.0	101.27	81.63	117.66	145.87
γ 38.0	91.73	74.55	106.20	131.18
γ 39.0	83.27	67.97	95.87	117.57
γ 40.0	76.12	62.14	86.74	106.04
γ 41.0	69.74	56.99	78.72	95.82
γ 42.0	64.17	52.32	71.73	86.94
γ 43.0	59.10	48.10	65.53	79.24
γ 44.0	54.38	44.28	60.12	72.36
γ 45.0	50.04	40.72	55.22	66.24
γ 46.0	46.08	37.34	50.76	60.96

Photometric Filename:MD12-09-XX-01 RA90 4000K 36D.IES

V/H	C0.0	C90.0	C180.0	C270.0
$\gamma_{47.0}$	42.44	34.42	46.48	56.10
$\gamma_{48.0}$	39.29	31.79	42.85	51.92
$\gamma_{49.0}$	36.40	29.24	39.47	47.97
$\gamma_{50.0}$	33.51	27.00	36.48	44.30
$\gamma_{51.0}$	31.00	24.81	33.72	40.90
$\gamma_{52.0}$	28.68	22.83	31.09	37.83
$\gamma_{53.0}$	26.53	21.17	28.80	35.07
$\gamma_{54.0}$	24.71	19.77	26.64	32.54
$\gamma_{55.0}$	23.03	18.32	24.68	29.97
$\gamma_{56.0}$	21.29	16.91	22.89	27.90
$\gamma_{57.0}$	19.81	15.71	21.11	25.74
$\gamma_{58.0}$	18.59	14.45	19.58	24.03
$\gamma_{59.0}$	17.43	13.27	18.19	22.47
$\gamma_{60.0}$	16.10	12.39	17.01	20.79
$\gamma_{61.0}$	14.82	11.60	15.74	19.28
$\gamma_{62.0}$	13.89	10.90	14.44	18.07
$\gamma_{63.0}$	13.09	10.21	13.29	16.92
$\gamma_{64.0}$	12.34	9.57	12.45	15.59
$\gamma_{65.0}$	11.65	8.99	11.69	14.27
$\gamma_{66.0}$	11.00	8.43	11.01	13.34
$\gamma_{67.0}$	10.37	7.91	10.32	12.57
$\gamma_{68.0}$	9.78	7.46	9.71	11.86
$\gamma_{69.0}$	9.23	7.04	9.10	11.18
$\gamma_{70.0}$	8.74	6.64	8.56	10.55
$\gamma_{71.0}$	8.26	6.29	8.05	9.95
$\gamma_{72.0}$	7.82	5.98	7.60	9.41
$\gamma_{73.0}$	7.41	5.71	7.18	8.90
$\gamma_{74.0}$	7.04	5.49	6.79	8.40
$\gamma_{75.0}$	6.72	5.28	6.45	7.96
$\gamma_{76.0}$	6.45	5.10	6.14	7.54
$\gamma_{77.0}$	6.20	4.91	5.88	7.16
$\gamma_{78.0}$	5.97	4.74	5.65	6.84
$\gamma_{79.0}$	5.76	4.58	5.42	6.55
$\gamma_{80.0}$	5.55	4.42	5.21	6.30
$\gamma_{81.0}$	5.36	4.28	5.00	6.06
$\gamma_{82.0}$	5.18	4.15	4.82	5.85
$\gamma_{83.0}$	5.01	3.99	4.64	5.64
$\gamma_{84.0}$	4.84	3.82	4.47	5.44
$\gamma_{85.0}$	4.68	3.68	4.31	5.25
$\gamma_{86.0}$	4.49	3.52	4.16	5.08
$\gamma_{87.0}$	4.31	3.40	3.97	4.91
$\gamma_{88.0}$	4.14	3.35	3.81	4.76
$\gamma_{89.0}$	3.95	3.29	3.65	4.57
$\gamma_{90.0}$	3.86	3.23	3.51	4.37
$\gamma_{91.0}$	3.78	3.19	3.44	4.18
$\gamma_{92.0}$	3.73	3.14	3.38	4.01
$\gamma_{93.0}$	3.67	3.09	3.32	3.90

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.60	3.05	3.27	3.83
γ 95.0	3.54	3.02	3.21	3.75
γ 96.0	3.49	2.97	3.18	3.69
γ 97.0	3.44	2.94	3.13	3.62
γ 98.0	3.38	2.90	3.08	3.57
γ 99.0	3.34	2.88	3.04	3.50
γ 100.0	3.31	2.86	3.01	3.45
γ 101.0	3.26	2.83	2.97	3.40
γ 102.0	3.22	2.81	2.95	3.36
γ 103.0	3.18	2.78	2.91	3.31
γ 104.0	3.15	2.76	2.89	3.27
γ 105.0	3.12	2.75	2.88	3.24
γ 106.0	3.10	2.73	2.86	3.20
γ 107.0	3.07	2.71	2.84	3.17
γ 108.0	3.03	2.70	2.83	3.14
γ 109.0	3.02	2.70	2.81	3.12
γ 110.0	3.00	2.69	2.81	3.09
γ 111.0	2.98	2.69	2.80	3.07
γ 112.0	2.97	2.69	2.80	3.06
γ 113.0	2.96	2.69	2.80	3.05
γ 114.0	2.95	2.71	2.81	3.05
γ 115.0	2.95	2.71	2.81	3.03
γ 116.0	2.95	2.73	2.82	3.03
γ 117.0	2.96	2.76	2.84	3.03
γ 118.0	2.97	2.78	2.87	3.04
γ 119.0	2.98	2.81	2.88	3.04
γ 120.0	3.00	2.85	2.91	3.05
γ 121.0	3.02	2.88	2.95	3.06
γ 122.0	3.05	2.93	2.99	3.09
γ 123.0	3.08	2.97	3.03	3.11
γ 124.0	3.11	3.04	3.09	3.13
γ 125.0	3.16	3.09	3.13	3.18
γ 126.0	3.21	3.16	3.18	3.21
γ 127.0	3.27	3.24	3.26	3.26
γ 128.0	3.32	3.31	3.32	3.31
γ 129.0	3.40	3.40	3.39	3.37
γ 130.0	3.46	3.49	3.47	3.43
γ 131.0	3.54	3.59	3.57	3.49
γ 132.0	3.63	3.70	3.64	3.56
γ 133.0	3.72	3.80	3.74	3.62
γ 134.0	3.80	3.90	3.84	3.71
γ 135.0	3.90	4.00	3.93	3.79
γ 136.0	4.00	4.12	4.03	3.88
γ 137.0	4.10	4.23	4.14	3.97
γ 138.0	4.21	4.35	4.26	4.06
γ 139.0	4.33	4.46	4.36	4.16
γ 140.0	4.44	4.59	4.48	4.27

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.56	4.70	4.59	4.37
γ 142.0	4.67	4.82	4.71	4.49
γ 143.0	4.79	4.92	4.82	4.59
γ 144.0	4.89	5.05	4.94	4.70
γ 145.0	5.01	5.14	5.05	4.81
γ 146.0	5.12	5.25	5.17	4.92
γ 147.0	5.23	5.35	5.28	5.02
γ 148.0	5.34	5.46	5.39	5.14
γ 149.0	5.45	5.56	5.50	5.24
γ 150.0	5.56	5.66	5.60	5.34
γ 151.0	5.66	5.75	5.71	5.45
γ 152.0	5.74	5.82	5.81	5.55
γ 153.0	5.85	5.90	5.91	5.64
γ 154.0	5.93	5.98	5.99	5.74
γ 155.0	6.01	6.04	6.07	5.83
γ 156.0	6.09	6.10	6.14	5.92
γ 157.0	6.15	6.16	6.22	6.00
γ 158.0	6.22	6.20	6.28	6.07
γ 159.0	6.28	6.26	6.34	6.14
γ 160.0	6.34	6.30	6.40	6.20
γ 161.0	6.39	6.34	6.43	6.26
γ 162.0	6.43	6.36	6.49	6.32
γ 163.0	6.49	6.41	6.52	6.37
γ 164.0	6.53	6.43	6.55	6.41
γ 165.0	6.56	6.46	6.57	6.45
γ 166.0	6.58	6.49	6.61	6.48
γ 167.0	6.61	6.51	6.62	6.52
γ 168.0	6.64	6.52	6.63	6.54
γ 169.0	6.66	6.55	6.64	6.57
γ 170.0	6.69	6.58	6.66	6.59
γ 171.0	6.70	6.59	6.65	6.61
γ 172.0	6.73	6.62	6.67	6.62
γ 173.0	6.74	6.63	6.69	6.64
γ 174.0	6.76	6.66	6.70	6.65
γ 175.0	6.78	6.68	6.71	6.66
γ 176.0	6.79	6.71	6.72	6.68
γ 177.0	6.80	6.72	6.74	6.69
γ 178.0	6.80	6.73	6.75	6.72
γ 179.0	6.79	6.73	6.77	6.73
γ 180.0	6.76	6.76	6.76	6.76
