

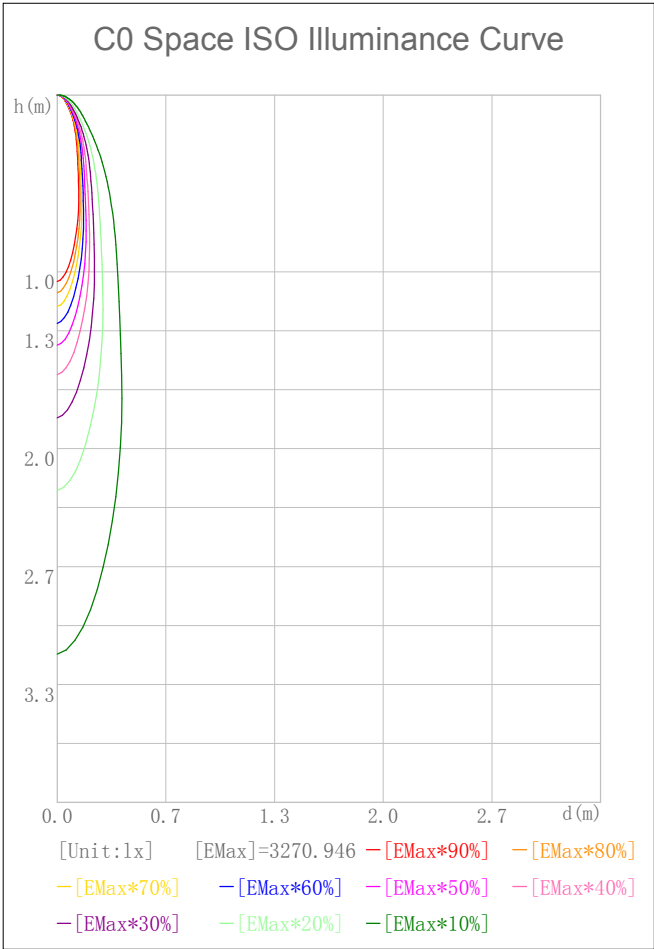
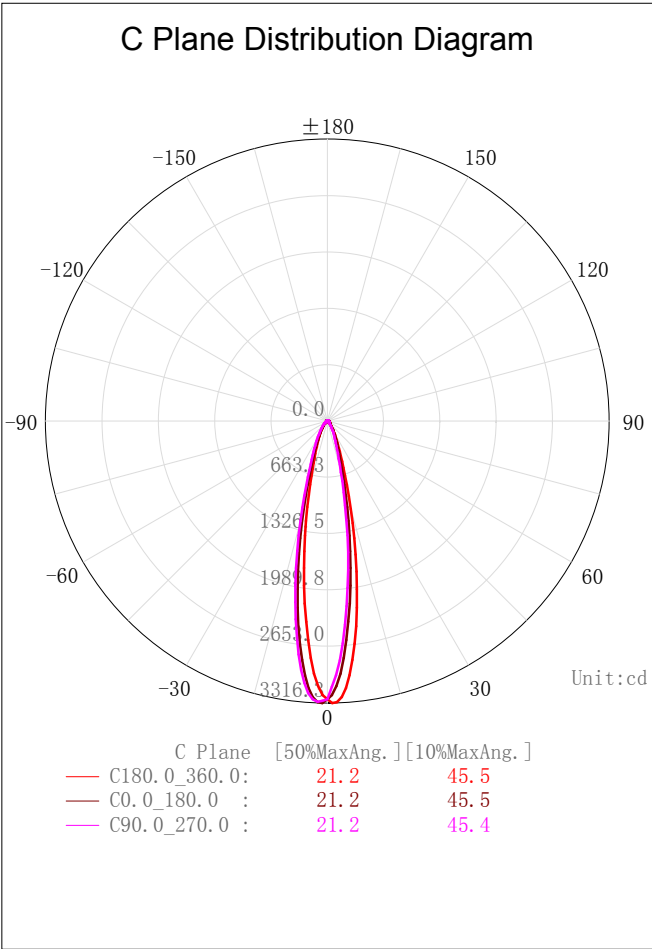
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 4000K 15D		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

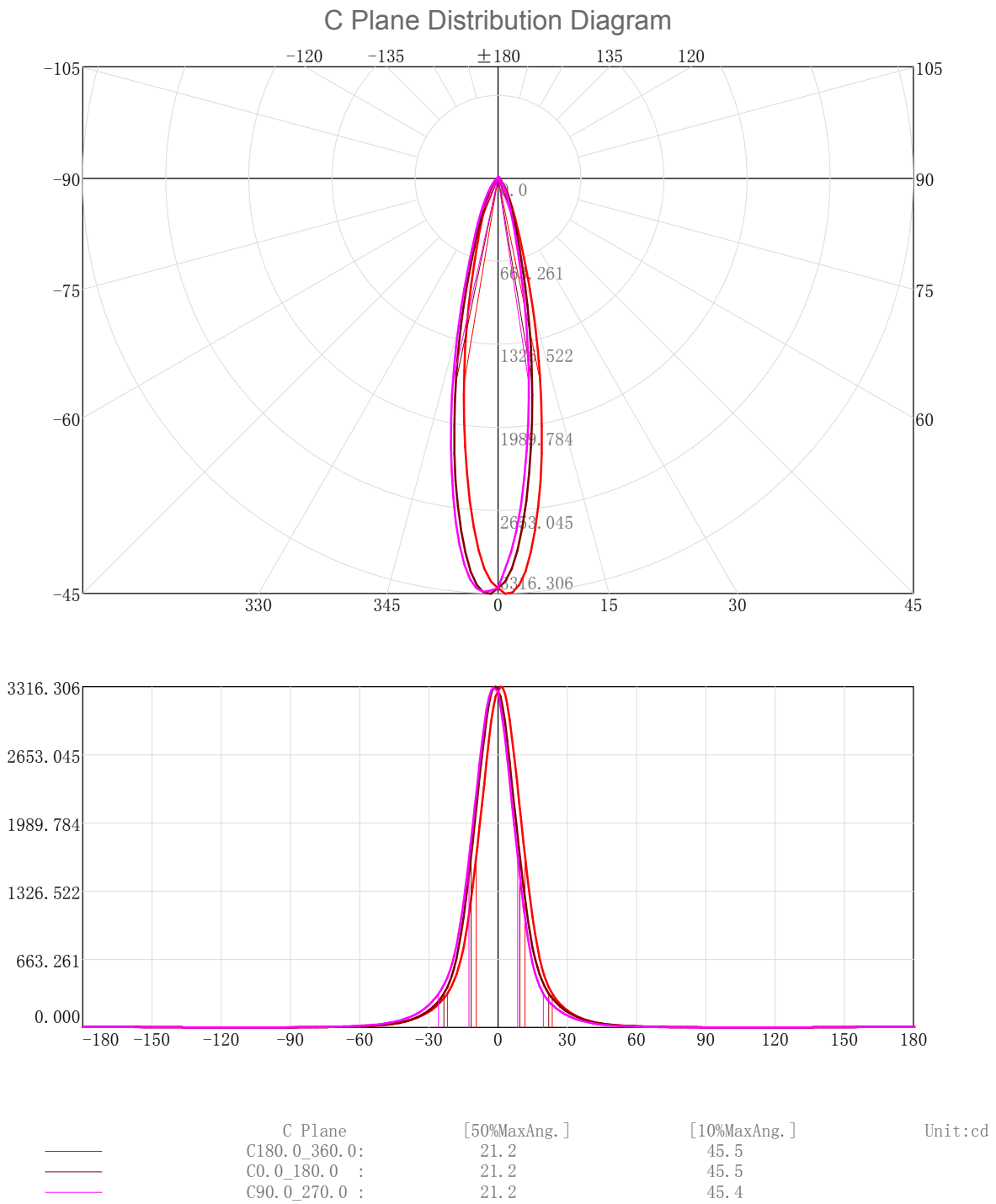
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 976.000	Luminary Flux(lm): 781.751	Field Angle(10%Imax): 45.5(°)	
Rated Power(W):	Luminary Efficiency: 80.10%	Down Lumens&Percent: 757.909lm 96.95%	
Rated Voltage(V):	Luminary EER(lm/W): 86.929	Up Lumens&Percent: 23.842lm 3.05%	
Tested Power(W): 8.993	Max. Candela(cd): 3316.306	S/MH: C0_a180=0.364 C90_270=0.362	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.2, 0.041, 0.912		ErP Φuse(90°): 686.504lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 1007.890	
		Beam Angle(50%Imax): 21.2(°)	
		Left=-9.5°, Right=11.7°	



2D Plane Light Intensity Distribution Curve

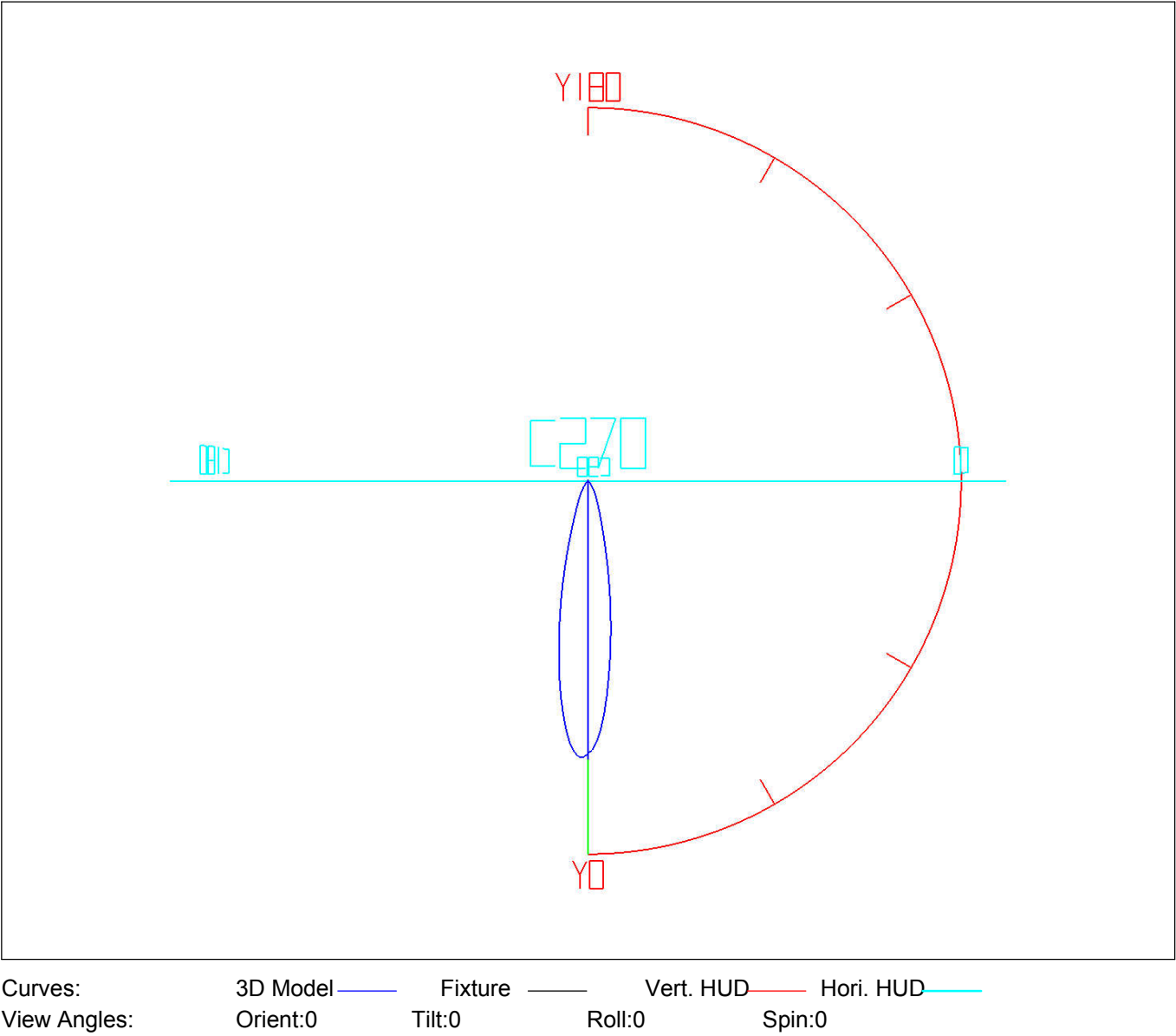
Lum. Name:MD12-09-XX-01 RA90 4000K 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/28



3D Light Intensity Distribution Modal

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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



Zonal Flux Tabulation

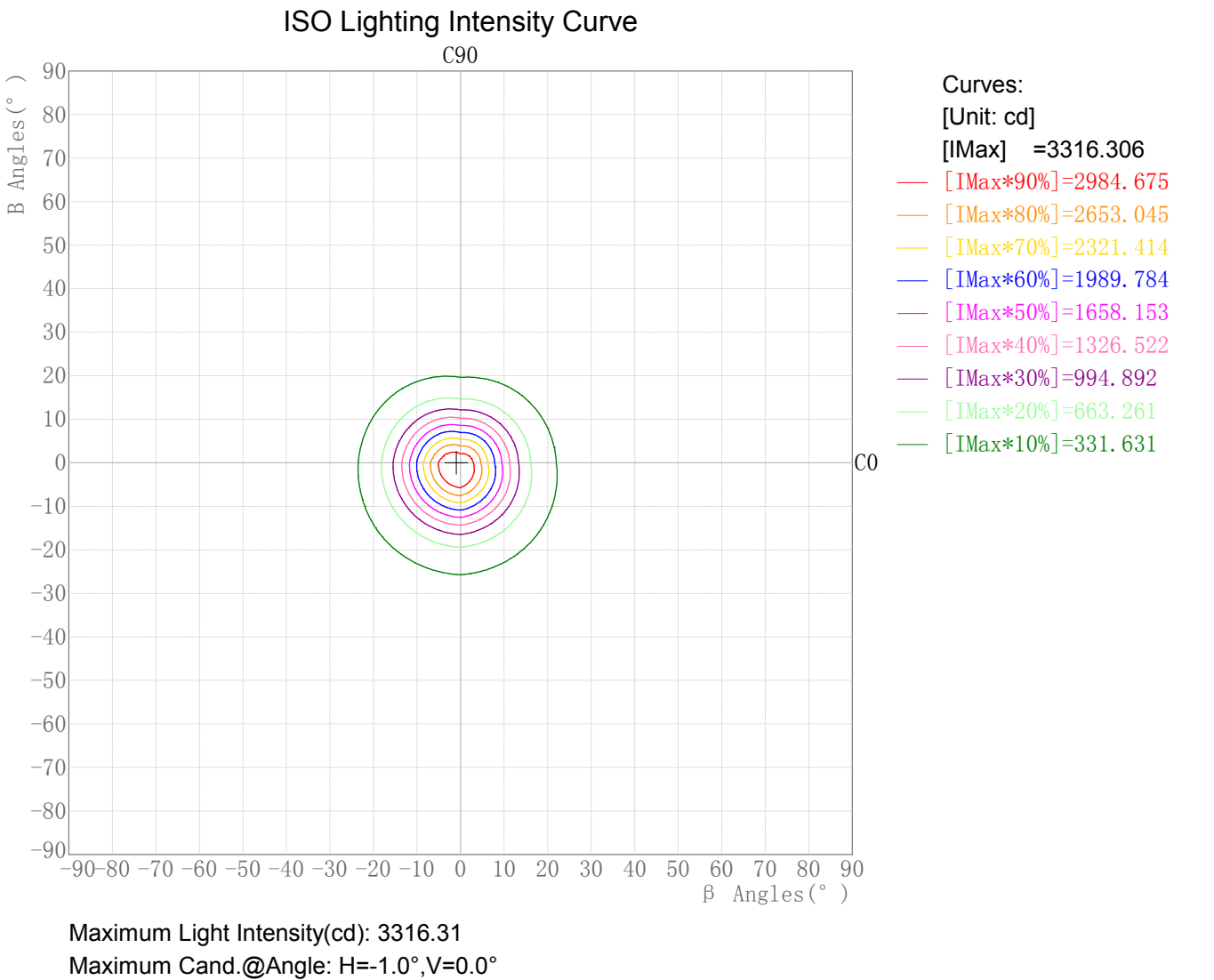
Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	3.11	3.11	0.32	0.32	47.0-48.0	2.70	713.30	0.28	73.08
1.0-2.0	9.21	12.33	0.94	1.26	48.0-49.0	2.52	715.82	0.26	73.34
2.0-3.0	14.97	27.29	1.53	2.80	49.0-50.0	2.37	718.19	0.24	73.58
3.0-4.0	20.15	47.45	2.06	4.86	50.0-51.0	2.22	720.41	0.23	73.81
4.0-5.0	24.57	72.02	2.52	7.38	51.0-52.0	2.09	722.50	0.21	74.03
5.0-6.0	28.13	100.15	2.88	10.26	52.0-53.0	1.98	724.48	0.20	74.23
6.0-7.0	30.83	130.98	3.16	13.42	53.0-54.0	1.87	726.36	0.19	74.42
7.0-8.0	32.68	163.66	3.35	16.77	54.0-55.0	1.78	728.14	0.18	74.60
8.0-9.0	33.68	197.34	3.45	20.22	55.0-56.0	1.69	729.83	0.17	74.78
9.0-10.0	33.92	231.26	3.48	23.69	56.0-57.0	1.61	731.43	0.16	74.94
10.0-11.0	33.51	264.77	3.43	27.13	57.0-58.0	1.53	732.96	0.16	75.10
11.0-12.0	32.53	297.30	3.33	30.46	58.0-59.0	1.46	734.42	0.15	75.25
12.0-13.0	31.06	328.37	3.18	33.64	59.0-60.0	1.39	735.82	0.14	75.39
13.0-14.0	29.26	357.63	3.00	36.64	60.0-61.0	1.33	737.14	0.14	75.53
14.0-15.0	27.26	384.89	2.79	39.44	61.0-62.0	1.26	738.40	0.13	75.66
15.0-16.0	25.17	410.06	2.58	42.01	62.0-63.0	1.20	739.61	0.12	75.78
16.0-17.0	23.14	433.20	2.37	44.38	63.0-64.0	1.14	740.75	0.12	75.90
17.0-18.0	21.26	454.45	2.18	46.56	64.0-65.0	1.08	741.83	0.11	76.01
18.0-19.0	19.56	474.01	2.00	48.57	65.0-66.0	1.04	742.87	0.11	76.11
19.0-20.0	18.06	492.06	1.85	50.42	66.0-67.0	1.00	743.87	0.10	76.22
20.0-21.0	16.75	508.81	1.72	52.13	67.0-68.0	0.95	744.82	0.10	76.31
21.0-22.0	15.61	524.42	1.60	53.73	68.0-69.0	0.91	745.73	0.09	76.41
22.0-23.0	14.61	539.03	1.50	55.23	69.0-70.0	0.87	746.60	0.09	76.50
23.0-24.0	13.71	552.75	1.41	56.63	70.0-71.0	0.83	747.43	0.08	76.58
24.0-25.0	12.89	565.64	1.32	57.95	71.0-72.0	0.79	748.22	0.08	76.66
25.0-26.0	12.12	577.76	1.24	59.20	72.0-73.0	0.75	748.97	0.08	76.74
26.0-27.0	11.39	589.16	1.17	60.36	73.0-74.0	0.71	749.67	0.07	76.81
27.0-28.0	10.69	599.85	1.10	61.46	74.0-75.0	0.67	750.34	0.07	76.88
28.0-29.0	10.03	609.88	1.03	62.49	75.0-76.0	0.64	750.98	0.07	76.94
29.0-30.0	9.41	619.29	0.96	63.45	76.0-77.0	0.61	751.58	0.06	77.01
30.0-31.0	8.81	628.11	0.90	64.36	77.0-78.0	0.58	752.16	0.06	77.07
31.0-32.0	8.24	636.35	0.84	65.20	78.0-79.0	0.56	752.73	0.06	77.12
32.0-33.0	7.70	644.05	0.79	65.99	79.0-80.0	0.54	753.27	0.06	77.18
33.0-34.0	7.19	651.24	0.74	66.73	80.0-81.0	0.53	753.80	0.05	77.23
34.0-35.0	6.72	657.96	0.69	67.41	81.0-82.0	0.51	754.31	0.05	77.29
35.0-36.0	6.27	664.23	0.64	68.06	82.0-83.0	0.50	754.81	0.05	77.34
36.0-37.0	5.85	670.08	0.60	68.66	83.0-84.0	0.48	755.29	0.05	77.39
37.0-38.0	5.46	675.54	0.56	69.22	84.0-85.0	0.47	755.76	0.05	77.43
38.0-39.0	5.09	680.64	0.52	69.74	85.0-86.0	0.46	756.22	0.05	77.48
39.0-40.0	4.74	685.38	0.49	70.22	86.0-87.0	0.44	756.66	0.05	77.53
40.0-41.0	4.42	689.80	0.45	70.68	87.0-88.0	0.43	757.09	0.04	77.57
41.0-42.0	4.11	693.91	0.42	71.10	88.0-89.0	0.42	757.50	0.04	77.61
42.0-43.0	3.83	697.73	0.39	71.49	89.0-90.0	0.40	757.91	0.04	77.65
43.0-44.0	3.56	701.30	0.37	71.85	90.0-91.0	0.39	758.30	0.04	77.69
44.0-45.0	3.32	704.61	0.34	72.19	91.0-92.0	0.38	758.69	0.04	77.73
45.0-46.0	3.09	707.71	0.32	72.51	92.0-93.0	0.38	759.06	0.04	77.77
46.0-47.0	2.89	710.60	0.30	72.81	93.0-94.0	0.37	759.43	0.04	77.81

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. 36	759. 80	0. 04	77. 85	141. 0-142. 0	0. 32	773. 52	0. 03	79. 25
95. 0-96. 0	0. 36	760. 15	0. 04	77. 88	142. 0-143. 0	0. 33	773. 84	0. 03	79. 29
96. 0-97. 0	0. 35	760. 50	0. 04	77. 92	143. 0-144. 0	0. 33	774. 17	0. 03	79. 32
97. 0-98. 0	0. 34	760. 84	0. 04	77. 96	144. 0-145. 0	0. 33	774. 50	0. 03	79. 35
98. 0-99. 0	0. 34	761. 18	0. 03	77. 99	145. 0-146. 0	0. 33	774. 84	0. 03	79. 39
99. 0-100. 0	0. 33	761. 51	0. 03	78. 02	146. 0-147. 0	0. 33	775. 17	0. 03	79. 42
100. 0-101. 0	0. 33	761. 84	0. 03	78. 06	147. 0-148. 0	0. 33	775. 50	0. 03	79. 46
101. 0-102. 0	0. 32	762. 16	0. 03	78. 09	148. 0-149. 0	0. 33	775. 84	0. 03	79. 49
102. 0-103. 0	0. 32	762. 48	0. 03	78. 12	149. 0-150. 0	0. 33	776. 17	0. 03	79. 53
103. 0-104. 0	0. 31	762. 80	0. 03	78. 16	150. 0-151. 0	0. 33	776. 49	0. 03	79. 56
104. 0-105. 0	0. 31	763. 11	0. 03	78. 19	151. 0-152. 0	0. 32	776. 82	0. 03	79. 59
105. 0-106. 0	0. 31	763. 41	0. 03	78. 22	152. 0-153. 0	0. 32	777. 14	0. 03	79. 62
106. 0-107. 0	0. 30	763. 71	0. 03	78. 25	153. 0-154. 0	0. 31	777. 45	0. 03	79. 66
107. 0-108. 0	0. 30	764. 01	0. 03	78. 28	154. 0-155. 0	0. 30	777. 75	0. 03	79. 69
108. 0-109. 0	0. 30	764. 31	0. 03	78. 31	155. 0-156. 0	0. 30	778. 05	0. 03	79. 72
109. 0-110. 0	0. 29	764. 60	0. 03	78. 34	156. 0-157. 0	0. 29	778. 34	0. 03	79. 75
110. 0-111. 0	0. 29	764. 89	0. 03	78. 37	157. 0-158. 0	0. 28	778. 62	0. 03	79. 78
111. 0-112. 0	0. 29	765. 18	0. 03	78. 40	158. 0-159. 0	0. 27	778. 89	0. 03	79. 80
112. 0-113. 0	0. 28	765. 46	0. 03	78. 43	159. 0-160. 0	0. 26	779. 15	0. 03	79. 83
113. 0-114. 0	0. 28	765. 74	0. 03	78. 46	160. 0-161. 0	0. 25	779. 39	0. 03	79. 86
114. 0-115. 0	0. 28	766. 02	0. 03	78. 49	161. 0-162. 0	0. 24	779. 63	0. 02	79. 88
115. 0-116. 0	0. 27	766. 29	0. 03	78. 51	162. 0-163. 0	0. 23	779. 86	0. 02	79. 90
116. 0-117. 0	0. 27	766. 56	0. 03	78. 54	163. 0-164. 0	0. 21	780. 07	0. 02	79. 93
117. 0-118. 0	0. 27	766. 83	0. 03	78. 57	164. 0-165. 0	0. 20	780. 27	0. 02	79. 95
118. 0-119. 0	0. 27	767. 10	0. 03	78. 60	165. 0-166. 0	0. 19	780. 46	0. 02	79. 97
119. 0-120. 0	0. 26	767. 36	0. 03	78. 62	166. 0-167. 0	0. 18	780. 64	0. 02	79. 98
120. 0-121. 0	0. 26	767. 63	0. 03	78. 65	167. 0-168. 0	0. 16	780. 81	0. 02	80. 00
121. 0-122. 0	0. 26	767. 89	0. 03	78. 68	168. 0-169. 0	0. 15	780. 96	0. 02	80. 02
122. 0-123. 0	0. 26	768. 15	0. 03	78. 70	169. 0-170. 0	0. 14	781. 10	0. 01	80. 03
123. 0-124. 0	0. 26	768. 41	0. 03	78. 73	170. 0-171. 0	0. 12	781. 22	0. 01	80. 04
124. 0-125. 0	0. 26	768. 67	0. 03	78. 76	171. 0-172. 0	0. 11	781. 33	0. 01	80. 05
125. 0-126. 0	0. 26	768. 93	0. 03	78. 78	172. 0-173. 0	0. 10	781. 43	0. 01	80. 06
126. 0-127. 0	0. 26	769. 19	0. 03	78. 81	173. 0-174. 0	0. 09	781. 52	0. 01	80. 07
127. 0-128. 0	0. 26	769. 46	0. 03	78. 84	174. 0-175. 0	0. 07	781. 59	0. 01	80. 08
128. 0-129. 0	0. 26	769. 72	0. 03	78. 87	175. 0-176. 0	0. 06	781. 65	0. 01	80. 09
129. 0-130. 0	0. 27	769. 99	0. 03	78. 89	176. 0-177. 0	0. 05	781. 69	0. 00	80. 09
130. 0-131. 0	0. 27	770. 26	0. 03	78. 92	177. 0-178. 0	0. 03	781. 72	0. 00	80. 09
131. 0-132. 0	0. 27	770. 53	0. 03	78. 95	178. 0-179. 0	0. 02	781. 74	0. 00	80. 10
132. 0-133. 0	0. 28	770. 81	0. 03	78. 98	179. 0-180. 0	0. 01	781. 75	0. 00	80. 10
133. 0-134. 0	0. 28	771. 09	0. 03	79. 01					
134. 0-135. 0	0. 29	771. 38	0. 03	79. 03					
135. 0-136. 0	0. 29	771. 67	0. 03	79. 06					
136. 0-137. 0	0. 30	771. 96	0. 03	79. 09					
137. 0-138. 0	0. 30	772. 26	0. 03	79. 13					
138. 0-139. 0	0. 31	772. 57	0. 03	79. 16					
139. 0-140. 0	0. 31	772. 88	0. 03	79. 19					
140. 0-141. 0	0. 32	773. 20	0. 03	79. 22					

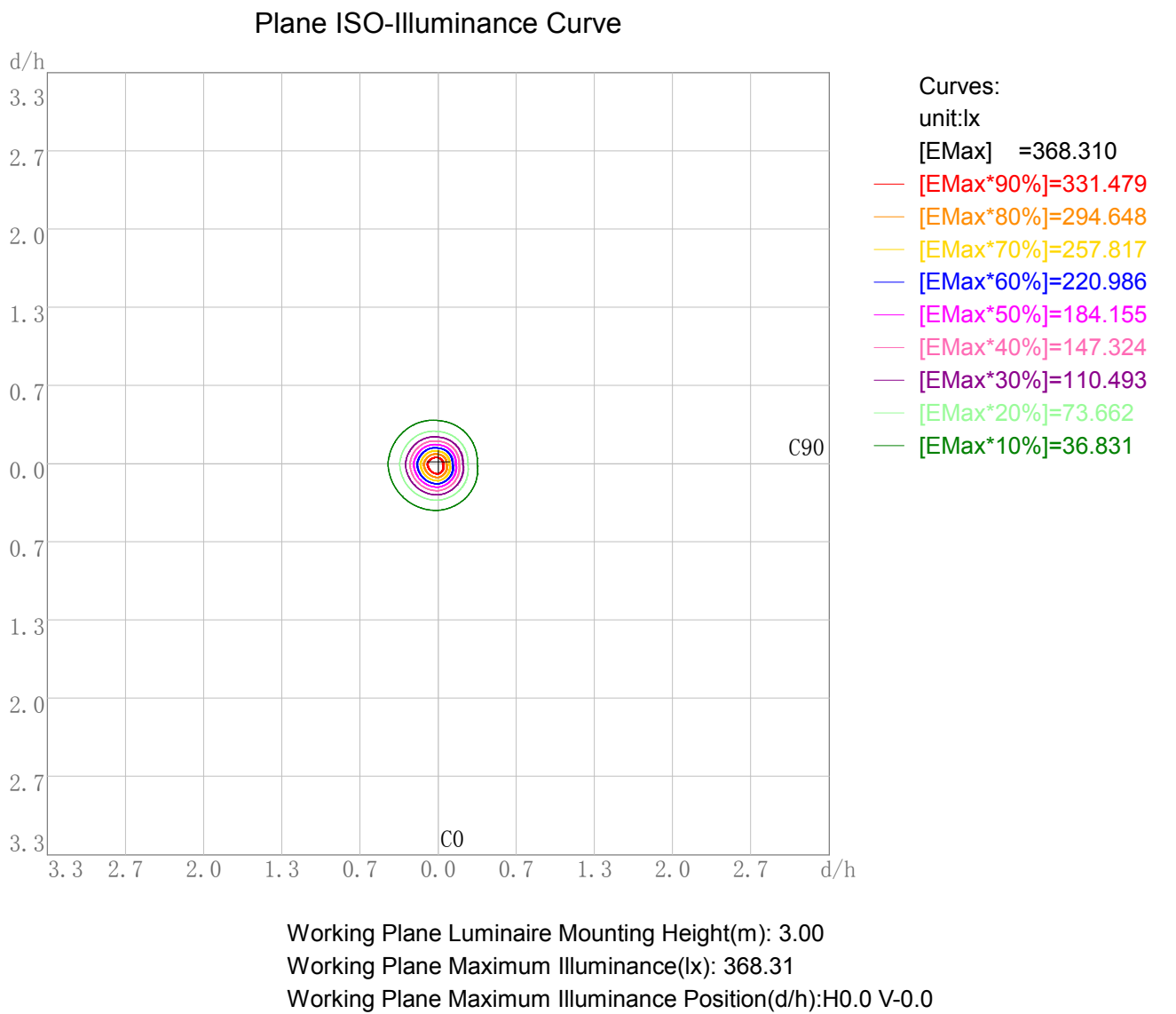
Rectangle ISO Lighting Intensity Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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

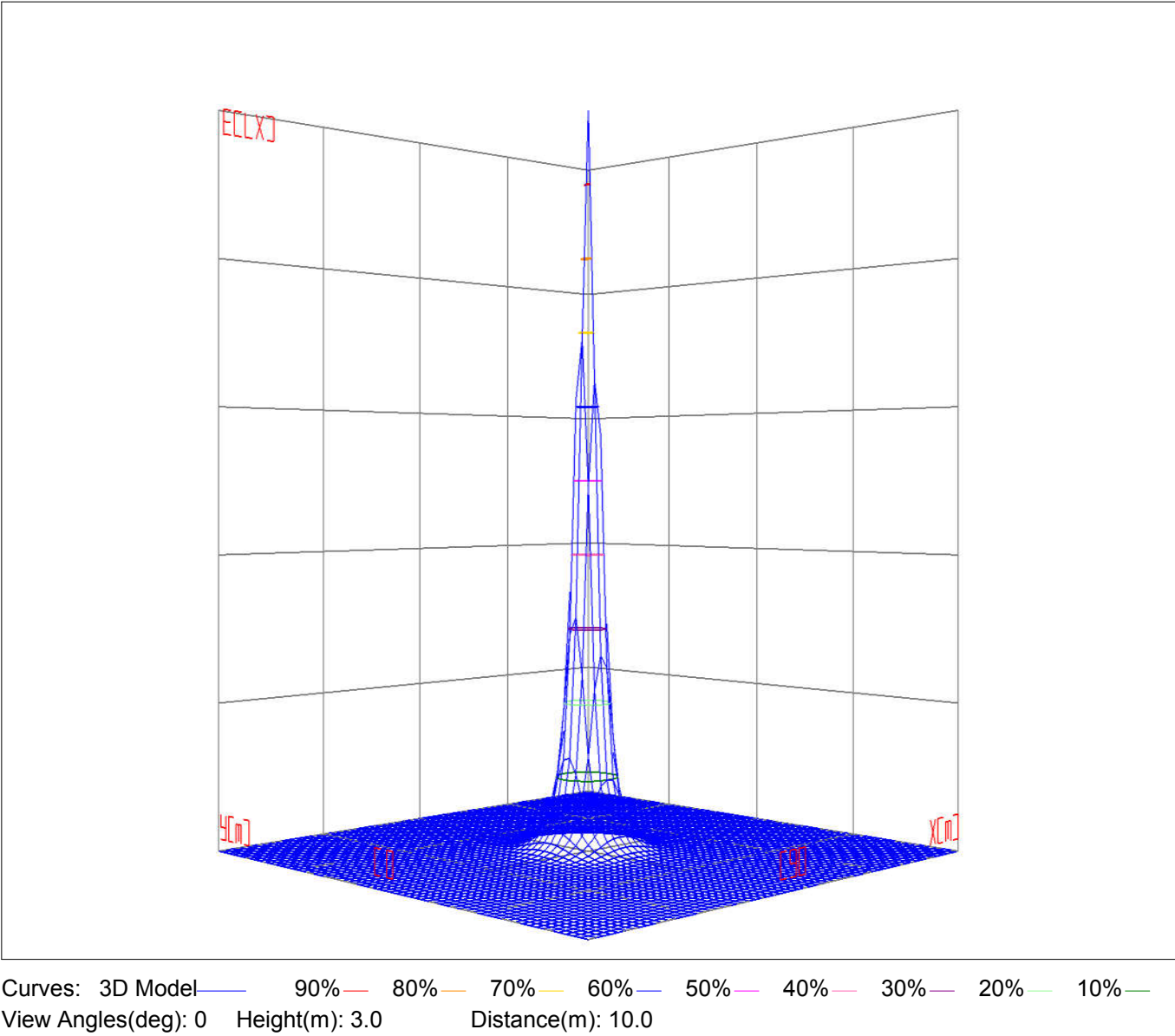
Lum. Name:MD12-09-XX-01 RA90 4000K 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/28



3D Plane ISO Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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 Plane Illuminance Modal

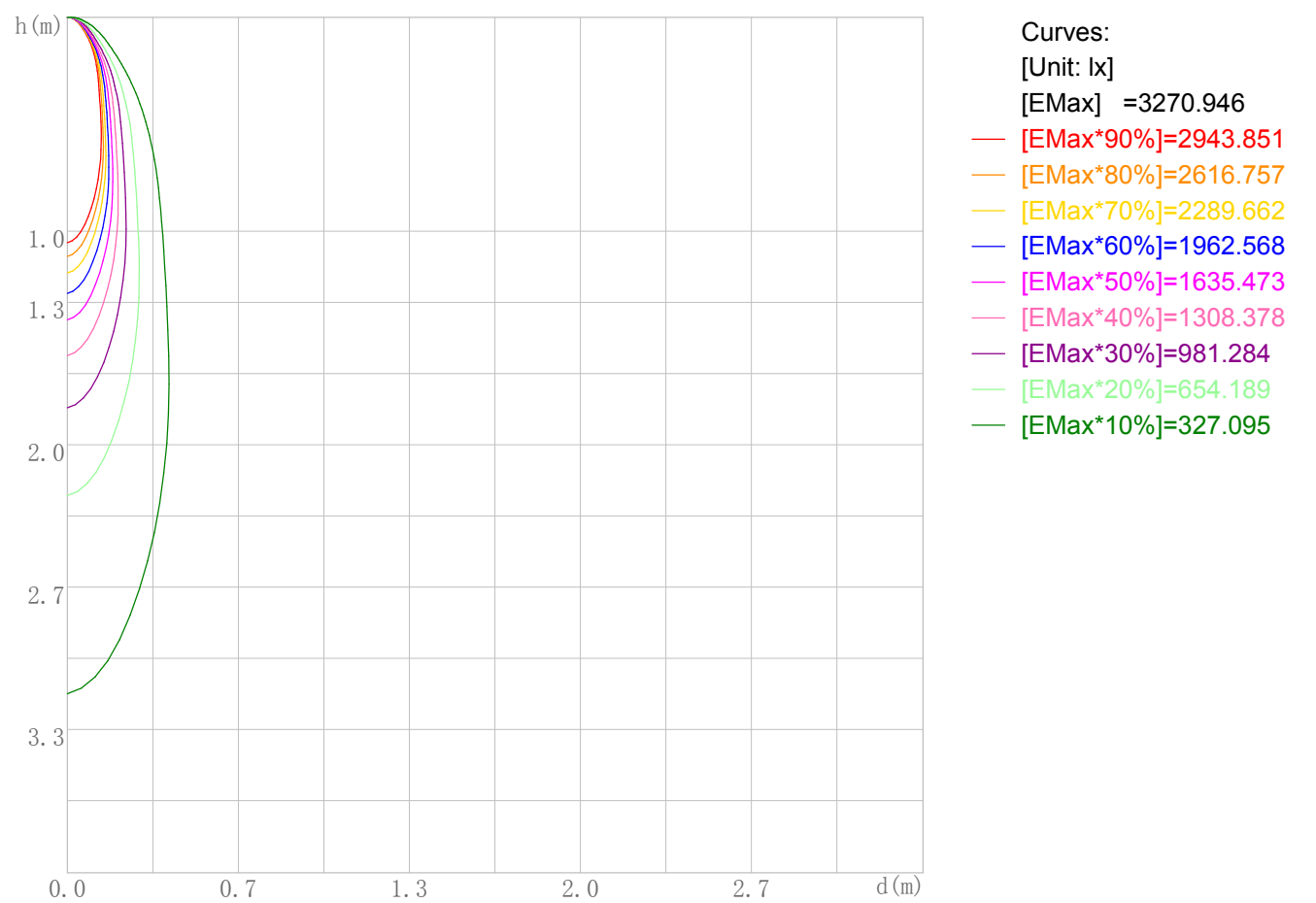




Space ISO Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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

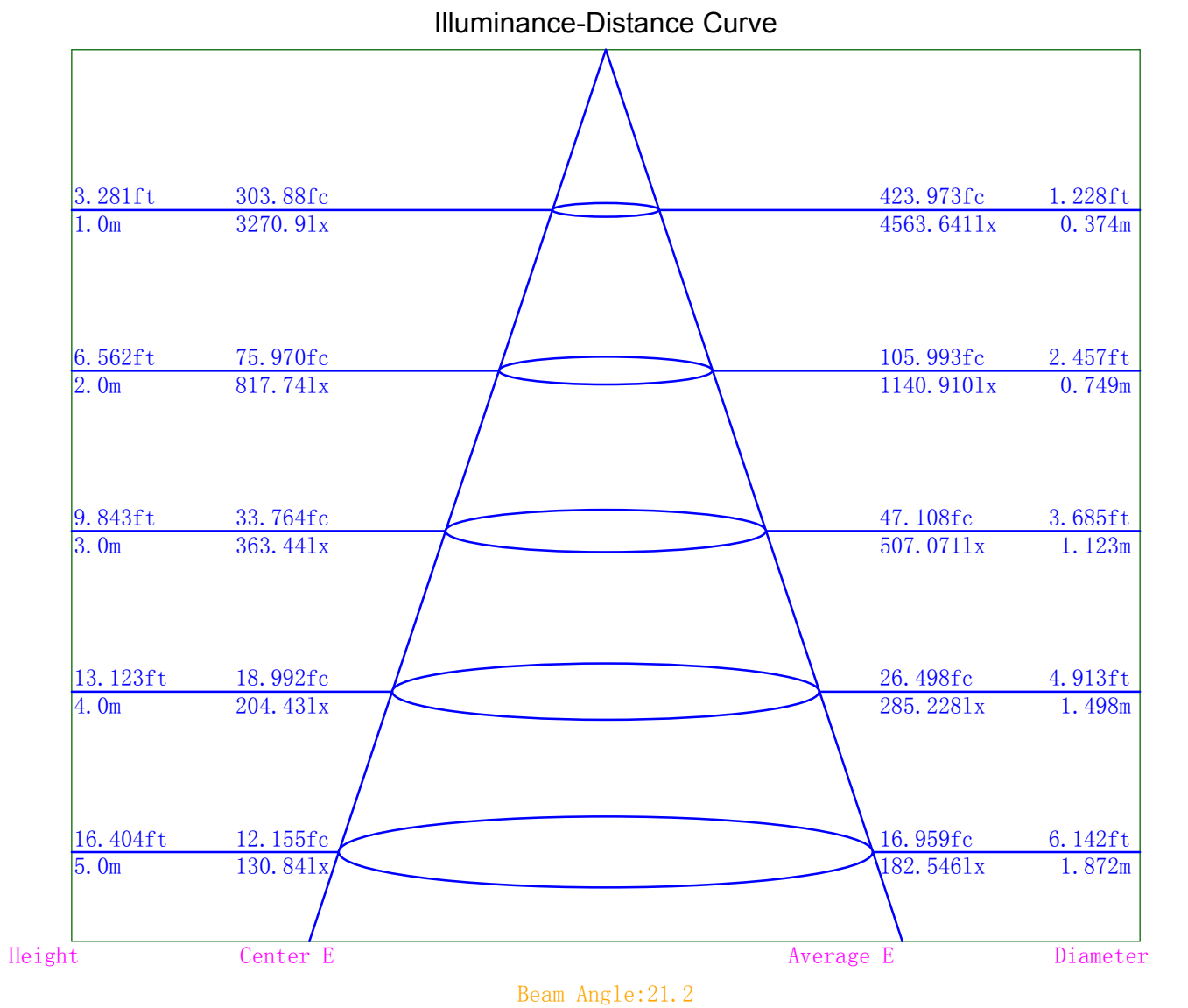
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:3270.95lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:3270.946cd,0eg

Illuminance-Distance Diagram

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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 15D	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

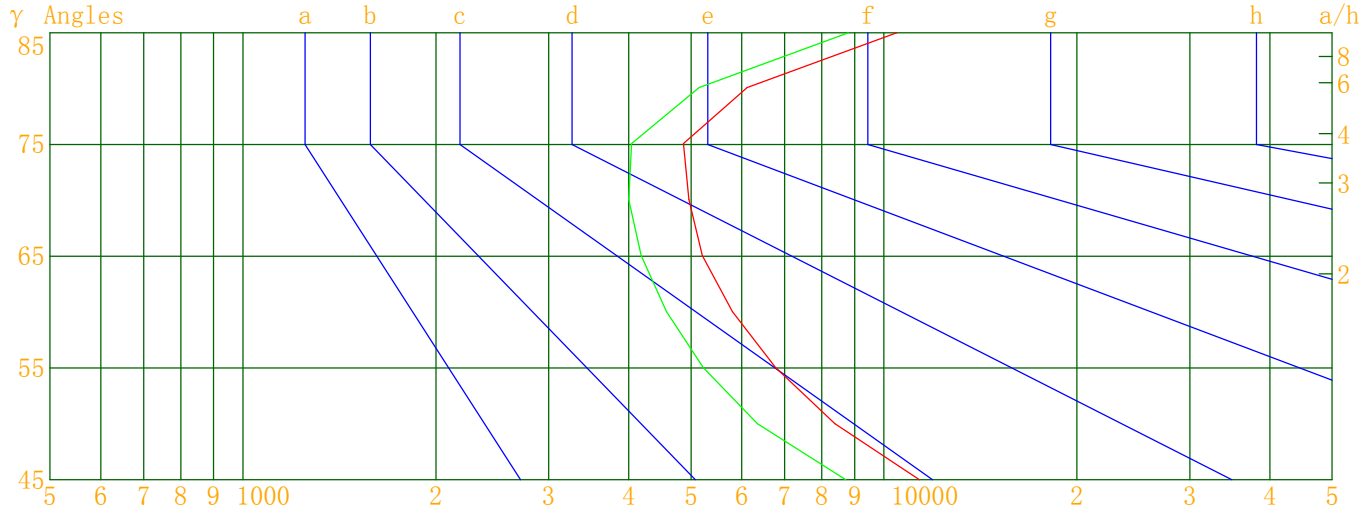
Glare Grade Table

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	11352	8380	6777	5805	5209	4962	4864	6115	10466
C90	8716	6351	5228	4580	4181	3997	4042	5148	8800

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

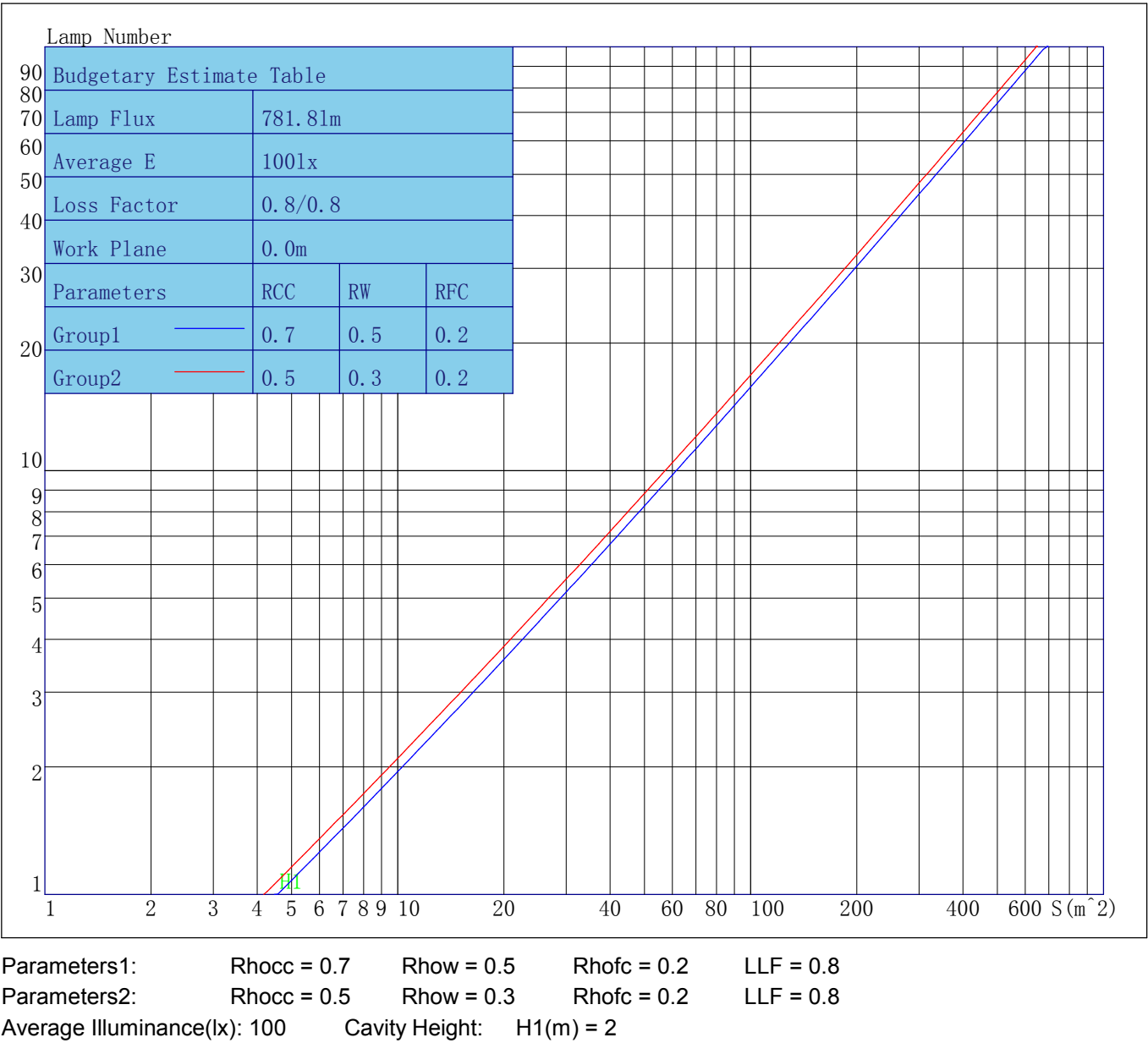
Luminous Curves:

C0-C180 Color: —

C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:MD12-09-XX-01 RA90 4000K 15D	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 15D	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	91	88	87	85	88	87	85	83	83	82	80	79	78	77	76	76	75	73
2	87	83	80	78	85	82	79	77	79	76	75	76	74	73	73	72	71	69
3	83	78	75	72	81	77	74	71	75	72	70	73	70	69	71	69	67	66
4	80	74	71	68	78	73	70	67	71	68	66	70	67	65	68	66	64	63
5	77	71	67	64	75	70	66	64	68	65	63	67	64	62	65	63	61	60
6	74	68	64	61	73	67	63	60	66	62	60	64	62	59	63	61	59	58
7	71	65	61	58	70	64	61	58	63	60	57	62	59	57	61	58	57	56
8	69	62	58	56	68	62	58	56	61	58	55	60	57	55	59	56	54	54
9	67	60	56	54	66	60	56	53	59	56	53	58	55	53	57	55	53	52
10	64	58	54	52	64	58	54	52	57	54	51	56	53	51	56	53	51	50

Unified Glare Rating Table

Lum. Name: MD12-09-XX-01 RA90 4000K 15D	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	15.9	16.5	16.4	16.9	17.3	14.4	15.0	14.9	15.4	15.8
	Y=3H	16.5	17.0	17.0	17.4	17.8	15.1	15.5	15.5	15.9	16.4
	Y=4H	16.8	17.2	17.3	17.6	18.1	15.4	15.8	15.9	16.2	16.7
	Y=6H	17.2	17.5	17.7	18.0	18.5	15.8	16.2	16.3	16.6	17.1
	Y=8H	17.5	17.8	18.0	18.2	18.7	16.1	16.4	16.6	16.9	17.4
	Y=12H	17.9	18.1	18.4	18.5	19.1	16.5	16.8	17.0	17.2	17.7
X=4H	Y=2H	16.1	16.5	16.6	16.9	17.4	14.7	15.1	15.2	15.5	16.0
	Y=3H	16.9	17.1	17.4	17.6	18.1	15.5	15.8	16.0	16.2	16.7
	Y=4H	17.4	17.5	17.9	18.0	18.5	16.0	16.2	16.5	16.6	17.2
	Y=6H	18.0	18.0	18.5	18.5	19.1	16.7	16.7	17.2	17.2	17.8
	Y=8H	18.3	18.3	18.9	18.9	19.4	17.1	17.1	17.6	17.6	18.2
	Y=12H	18.9	18.8	19.4	19.3	19.9	17.6	17.6	18.2	18.1	18.7
X=8H	Y=4H	17.5	17.5	18.1	18.0	18.6	16.2	16.2	16.8	16.8	17.3
	Y=6H	18.4	18.2	19.0	18.8	19.3	17.2	17.0	17.8	17.6	18.1
	Y=8H	18.9	18.8	19.6	19.4	19.9	17.8	17.6	18.4	18.2	18.8
	Y=12H	19.7	19.5	20.3	20.0	20.7	18.6	18.3	19.2	18.9	19.6
X=12H	Y=4H	17.5	17.5	18.1	18.0	18.6	16.3	16.2	16.8	16.8	17.3
	Y=6H	18.5	18.3	19.1	18.8	19.5	17.3	17.1	17.9	17.7	18.3
	Y=8H	19.2	18.9	19.8	19.5	20.2	18.0	17.8	18.7	18.4	19.0
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.1/-0.1				
S=1.5H		0.3/-0.3					0.2/-0.2				
S=2.0H		0.4/-0.4					0.4/-0.3				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.5					2.7				

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

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	3270.95	3270.95	3270.95	3270.95
γ 1.0	3220.88	3125.39	3316.31	3291.43
γ 2.0	3117.19	2989.28	3307.81	3303.25
γ 3.0	2974.09	2816.64	3249.13	3276.91
γ 4.0	2791.25	2620.62	3145.55	3208.38
γ 5.0	2586.10	2404.99	2999.11	3092.79
γ 6.0	2372.70	2187.06	2825.34	2943.80
γ 7.0	2161.28	1975.01	2637.53	2764.65
γ 8.0	1954.98	1767.45	2435.55	2567.11
γ 9.0	1751.76	1564.05	2221.89	2360.87
γ 10.0	1555.13	1367.11	2008.60	2162.87
γ 11.0	1372.06	1181.36	1804.12	1964.25
γ 12.0	1200.18	1012.25	1603.98	1765.84
γ 13.0	1040.30	862.01	1415.96	1569.82
γ 14.0	898.04	732.61	1238.01	1387.45
γ 15.0	775.63	623.31	1071.39	1215.82
γ 16.0	673.45	532.58	920.71	1058.11
γ 17.0	589.09	460.53	788.83	920.21
γ 18.0	518.76	403.00	676.47	800.03
γ 19.0	460.23	355.32	583.10	699.14
γ 20.0	410.54	315.31	507.31	615.09
γ 21.0	368.04	281.83	444.80	545.56
γ 22.0	331.37	254.28	393.19	488.11
γ 23.0	299.48	231.07	350.09	437.97
γ 24.0	272.10	211.09	312.97	394.39
γ 25.0	247.77	192.43	280.93	356.31
γ 26.0	225.64	175.51	252.92	322.83
γ 27.0	205.00	159.34	228.30	293.32
γ 28.0	185.92	144.32	206.57	266.86
γ 29.0	168.99	131.14	187.25	242.88
γ 30.0	153.93	119.57	169.36	221.05
γ 31.0	140.53	108.74	153.01	200.74
γ 32.0	128.21	98.93	138.26	182.25
γ 33.0	116.88	89.99	125.11	165.60
γ 34.0	106.58	81.92	113.41	150.95
γ 35.0	96.96	74.63	102.69	137.91
γ 36.0	88.14	67.93	93.25	126.28
γ 37.0	80.28	61.77	84.68	115.69
γ 38.0	73.07	56.38	77.01	105.86
γ 39.0	66.47	51.41	69.78	96.83
γ 40.0	60.49	46.74	63.44	88.79
γ 41.0	55.11	42.51	57.73	81.34
γ 42.0	50.19	38.62	52.62	74.52
γ 43.0	45.72	35.17	48.02	68.29
γ 44.0	41.72	32.08	43.81	62.73
γ 45.0	38.13	29.27	39.94	57.67
γ 46.0	34.97	26.79	36.61	53.12

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	32.22	24.52	33.59	48.82
γ 48.0	29.75	22.58	30.86	44.73
γ 49.0	27.55	20.89	28.47	41.06
γ 50.0	25.59	19.39	26.33	37.74
γ 51.0	23.83	18.07	24.43	34.73
γ 52.0	22.24	16.98	22.75	32.13
γ 53.0	20.87	15.96	21.29	29.79
γ 54.0	19.62	15.05	19.94	27.57
γ 55.0	18.46	14.24	18.70	25.66
γ 56.0	17.39	13.49	17.59	23.99
γ 57.0	16.39	12.74	16.66	22.38
γ 58.0	15.45	12.06	15.78	20.95
γ 59.0	14.60	11.45	14.97	19.69
γ 60.0	13.79	10.88	14.09	18.43
γ 61.0	12.97	10.19	13.37	17.36
γ 62.0	12.12	9.65	12.70	16.34
γ 63.0	11.52	9.22	12.05	15.38
γ 64.0	10.96	8.80	11.17	14.13
γ 65.0	10.46	8.39	10.58	13.18
γ 66.0	9.97	8.00	10.08	12.53
γ 67.0	9.48	7.62	9.62	11.92
γ 68.0	9.00	7.24	9.15	11.30
γ 69.0	8.52	6.86	8.70	10.72
γ 70.0	8.06	6.49	8.24	10.16
γ 71.0	7.62	6.14	7.83	9.60
γ 72.0	7.17	5.81	7.37	9.04
γ 73.0	6.76	5.48	6.96	8.50
γ 74.0	6.34	5.17	6.54	7.99
γ 75.0	5.98	4.97	6.13	7.48
γ 76.0	5.76	4.81	5.75	7.00
γ 77.0	5.56	4.66	5.41	6.56
γ 78.0	5.36	4.52	5.19	6.19
γ 79.0	5.20	4.39	5.01	5.96
γ 80.0	5.04	4.25	4.85	5.73
γ 81.0	4.89	4.13	4.69	5.52
γ 82.0	4.73	4.00	4.55	5.32
γ 83.0	4.60	3.90	4.40	5.15
γ 84.0	4.47	3.78	4.25	4.99
γ 85.0	4.33	3.64	4.13	4.84
γ 86.0	4.19	3.52	4.00	4.68
γ 87.0	4.06	3.39	3.87	4.54
γ 88.0	3.93	3.30	3.74	4.39
γ 89.0	3.84	3.25	3.61	4.23
γ 90.0	3.78	3.18	3.48	4.10
γ 91.0	3.71	3.14	3.36	3.97
γ 92.0	3.64	3.09	3.30	3.86
γ 93.0	3.58	3.05	3.23	3.77



**Candela Tabulation - (Cont.)**

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.51	3.01	3.15	3.69
γ 95.0	3.48	2.98	3.09	3.61
γ 96.0	3.42	2.94	3.03	3.53
γ 97.0	3.38	2.91	2.98	3.46
γ 98.0	3.33	2.89	2.93	3.38
γ 99.0	3.30	2.85	2.89	3.33
γ 100.0	3.26	2.84	2.85	3.27
γ 101.0	3.22	2.82	2.82	3.21
γ 102.0	3.19	2.80	2.78	3.16
γ 103.0	3.16	2.79	2.76	3.11
γ 104.0	3.13	2.78	2.74	3.08
γ 105.0	3.10	2.77	2.72	3.05
γ 106.0	3.08	2.74	2.71	3.03
γ 107.0	3.06	2.74	2.70	3.00
γ 108.0	3.03	2.72	2.69	2.97
γ 109.0	3.01	2.70	2.69	2.96
γ 110.0	2.97	2.69	2.69	2.94
γ 111.0	2.95	2.67	2.68	2.93
γ 112.0	2.92	2.66	2.69	2.91
γ 113.0	2.90	2.65	2.69	2.90
γ 114.0	2.88	2.64	2.70	2.90
γ 115.0	2.85	2.63	2.71	2.89
γ 116.0	2.85	2.62	2.72	2.89
γ 117.0	2.82	2.61	2.73	2.88
γ 118.0	2.81	2.62	2.75	2.89
γ 119.0	2.79	2.63	2.77	2.90
γ 120.0	2.80	2.64	2.79	2.90
γ 121.0	2.80	2.65	2.80	2.91
γ 122.0	2.81	2.68	2.84	2.92
γ 123.0	2.82	2.72	2.86	2.94
γ 124.0	2.84	2.76	2.91	2.95
γ 125.0	2.88	2.81	2.94	2.97
γ 126.0	2.92	2.87	2.98	3.00
γ 127.0	2.97	2.93	3.04	3.04
γ 128.0	3.04	3.01	3.10	3.08
γ 129.0	3.09	3.09	3.16	3.13
γ 130.0	3.17	3.19	3.24	3.18
γ 131.0	3.26	3.30	3.32	3.25
γ 132.0	3.36	3.40	3.42	3.31
γ 133.0	3.47	3.53	3.52	3.39
γ 134.0	3.58	3.66	3.62	3.49
γ 135.0	3.71	3.80	3.75	3.60
γ 136.0	3.84	3.95	3.88	3.72
γ 137.0	3.99	4.10	4.03	3.84
γ 138.0	4.14	4.27	4.17	3.97
γ 139.0	4.30	4.43	4.32	4.11
γ 140.0	4.46	4.60	4.49	4.26

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.64	4.78	4.66	4.42
γ 142.0	4.81	4.94	4.83	4.59
γ 143.0	4.97	5.11	5.01	4.74
γ 144.0	5.13	5.26	5.16	4.91
γ 145.0	5.28	5.41	5.33	5.09
γ 146.0	5.45	5.56	5.50	5.24
γ 147.0	5.60	5.70	5.66	5.39
γ 148.0	5.74	5.85	5.82	5.55
γ 149.0	5.88	5.96	5.96	5.69
γ 150.0	5.99	6.07	6.08	5.83
γ 151.0	6.10	6.18	6.21	5.96
γ 152.0	6.22	6.27	6.33	6.08
γ 153.0	6.32	6.35	6.44	6.18
γ 154.0	6.41	6.43	6.54	6.28
γ 155.0	6.50	6.49	6.62	6.37
γ 156.0	6.57	6.54	6.70	6.45
γ 157.0	6.64	6.59	6.76	6.53
γ 158.0	6.69	6.64	6.82	6.58
γ 159.0	6.75	6.68	6.88	6.63
γ 160.0	6.79	6.72	6.92	6.68
γ 161.0	6.84	6.73	6.97	6.72
γ 162.0	6.87	6.76	6.99	6.77
γ 163.0	6.89	6.79	7.03	6.80
γ 164.0	6.92	6.80	7.04	6.82
γ 165.0	6.93	6.80	7.07	6.84
γ 166.0	6.93	6.81	7.08	6.88
γ 167.0	6.93	6.81	7.08	6.88
γ 168.0	6.93	6.81	7.08	6.89
γ 169.0	6.91	6.80	7.08	6.89
γ 170.0	6.90	6.78	7.05	6.89
γ 171.0	6.89	6.76	7.03	6.87
γ 172.0	6.86	6.77	7.03	6.86
γ 173.0	6.86	6.76	6.99	6.84
γ 174.0	6.84	6.76	6.96	6.82
γ 175.0	6.83	6.76	6.94	6.80
γ 176.0	6.83	6.77	6.90	6.78
γ 177.0	6.83	6.76	6.87	6.76
γ 178.0	6.83	6.76	6.85	6.76
γ 179.0	6.82	6.74	6.85	6.76
γ 180.0	6.80	6.80	6.80	6.80

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