

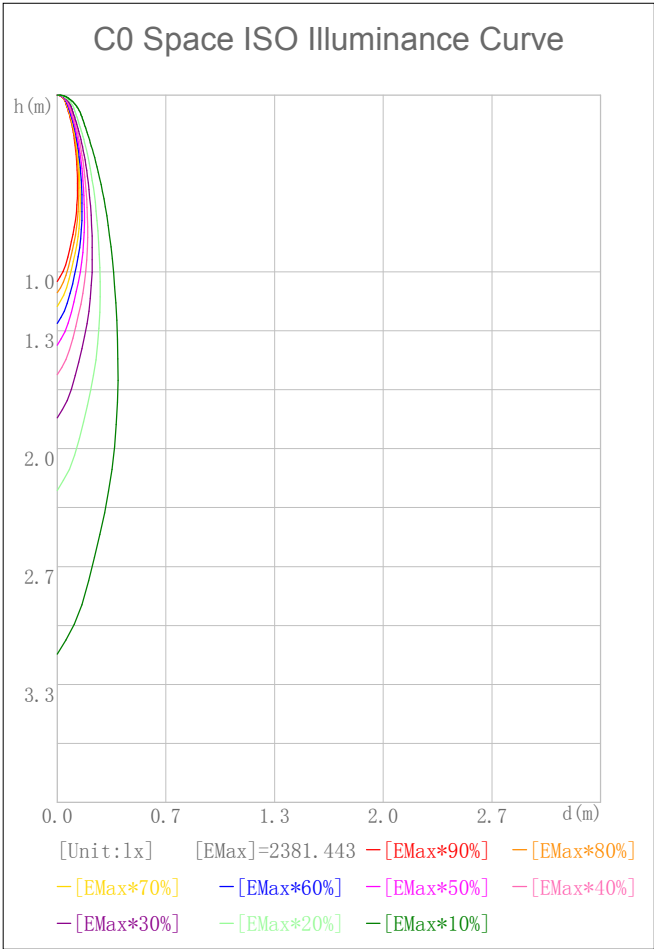
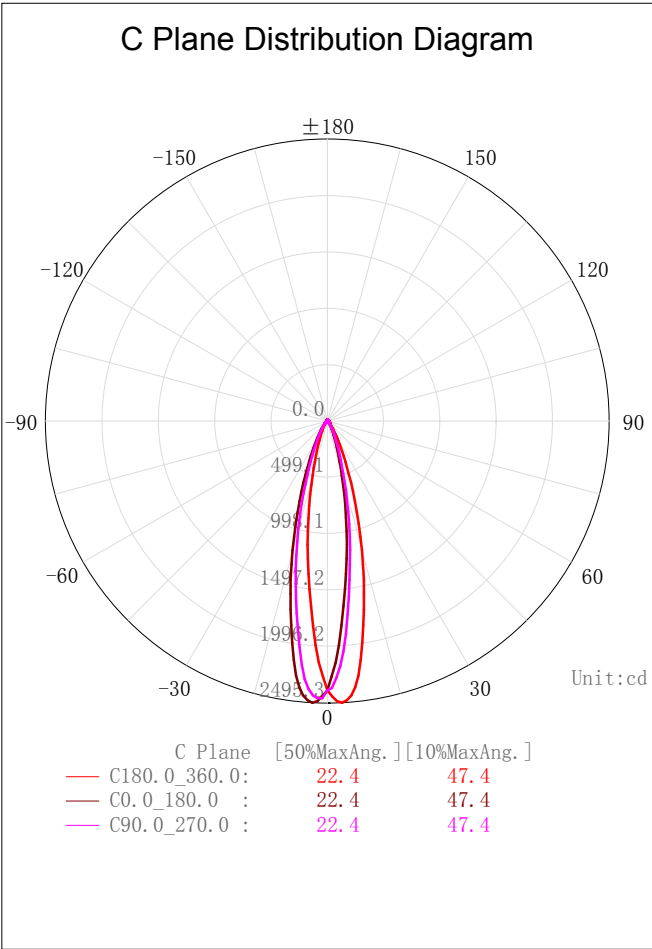
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 2700K 24D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/04/24
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

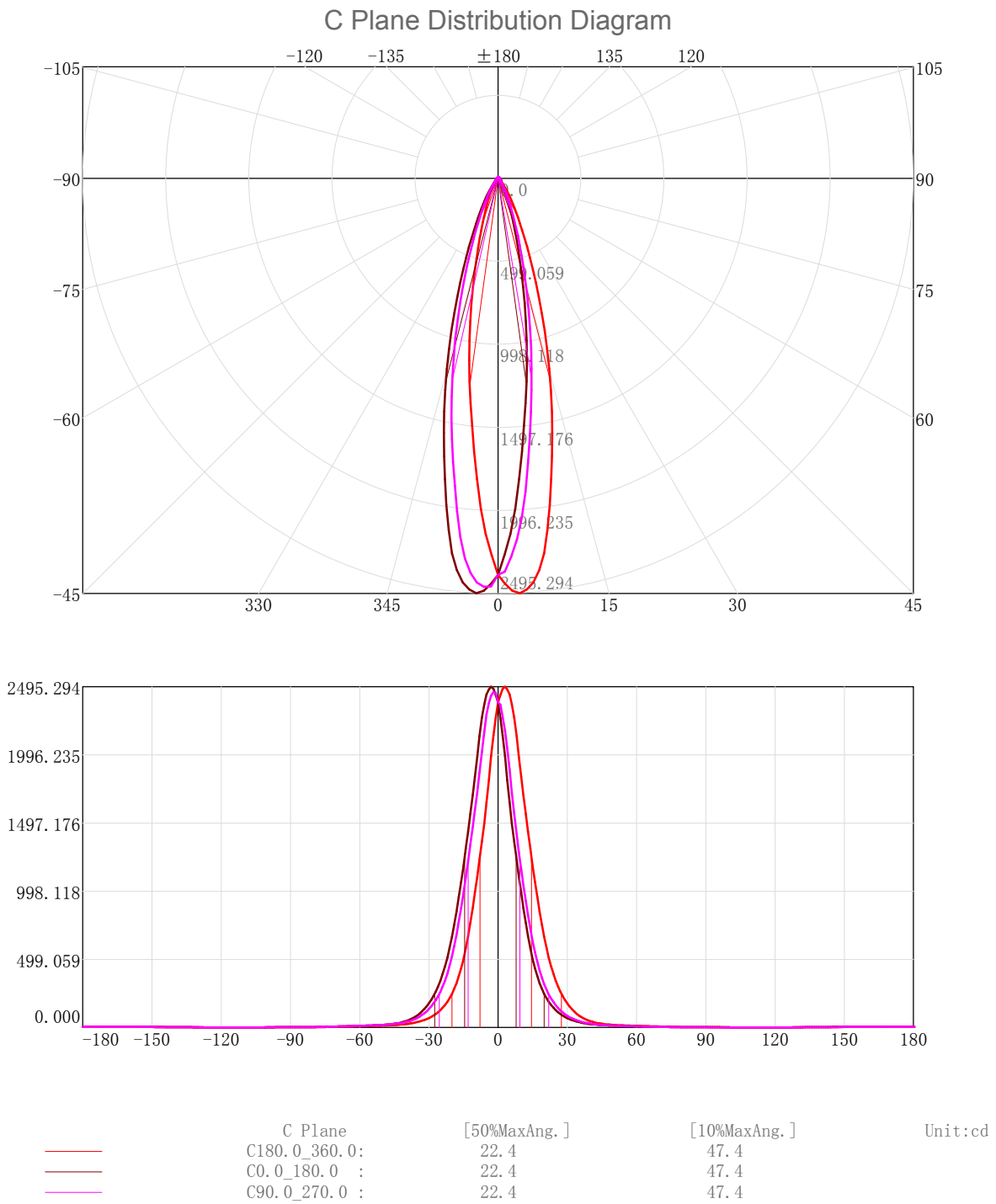
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 780.000	Luminary Flux(lm): 624.912	Field Angle(10%Imax): 47.4(° )	
Rated Power(W):	Luminary Efficiency: 80.12%	Down Lumens&Percent: 603.263lm 96.54%	
Rated Voltage(V):	Luminary EER(lm/W): 69.435	Up Lumens&Percent: 21.649lm 3.46%	
Tested Power(W): 9.000	Max. Candela(cd): 2495.294	S/MH: C0_a180=0.391 C90_270=0.386	
Lamps' Inside: 1	Max Cand@Ang. (° ): C=180.0 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.2, 0.041, 0.913		ErP Φuse(90° ): 579.655lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 1087.474	
		Beam Angle(50%Imax): 22.4(° )	
		Left=-7.9° ,Right=14.5°	



2D Plane Light Intensity Distribution Curve

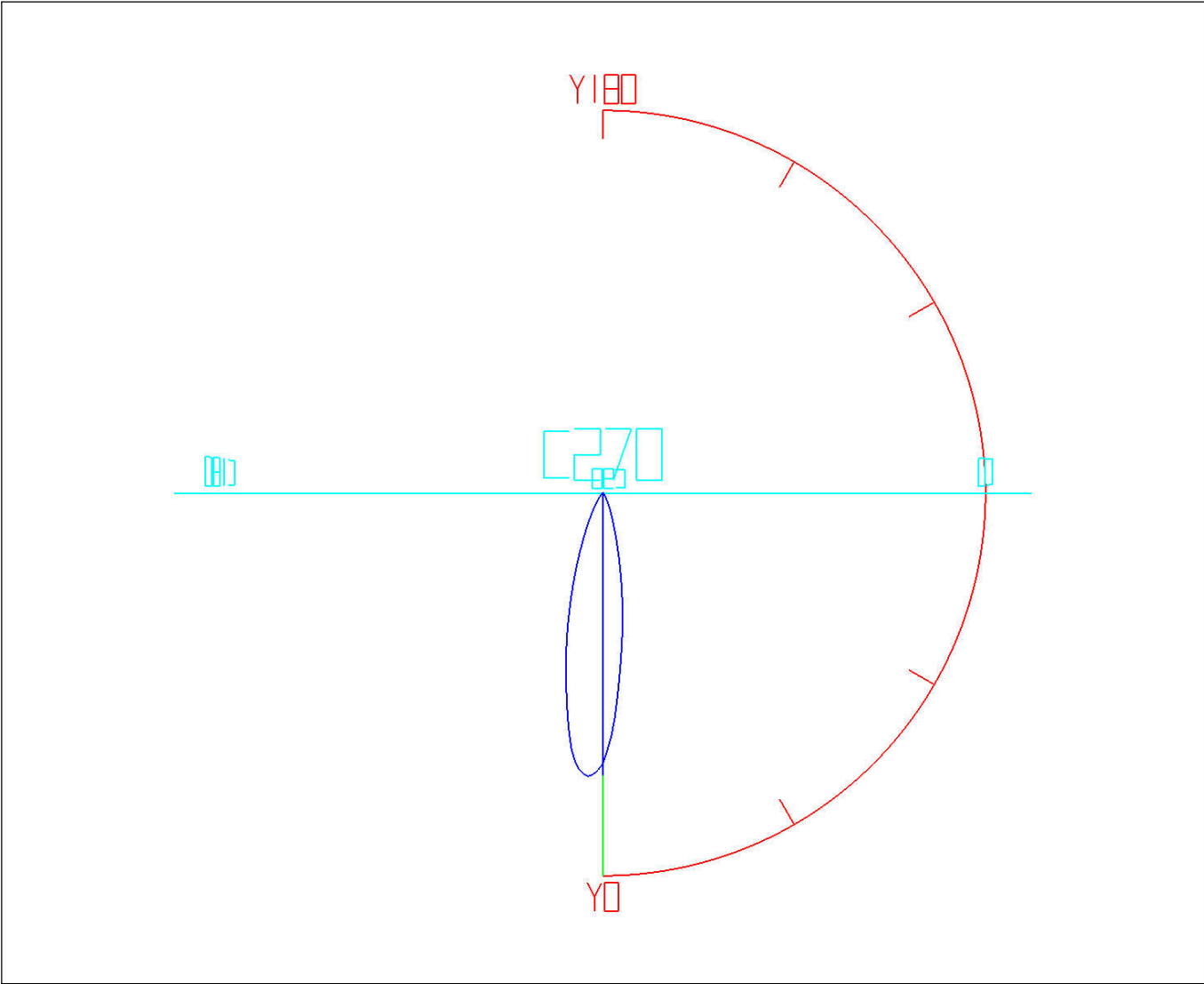
Lum. Name:MD12-09-XX-01 RA90 2700K 24D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaility Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/24



3D Light Intensity Distribution Modal

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24

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 2700K 24D.IES**

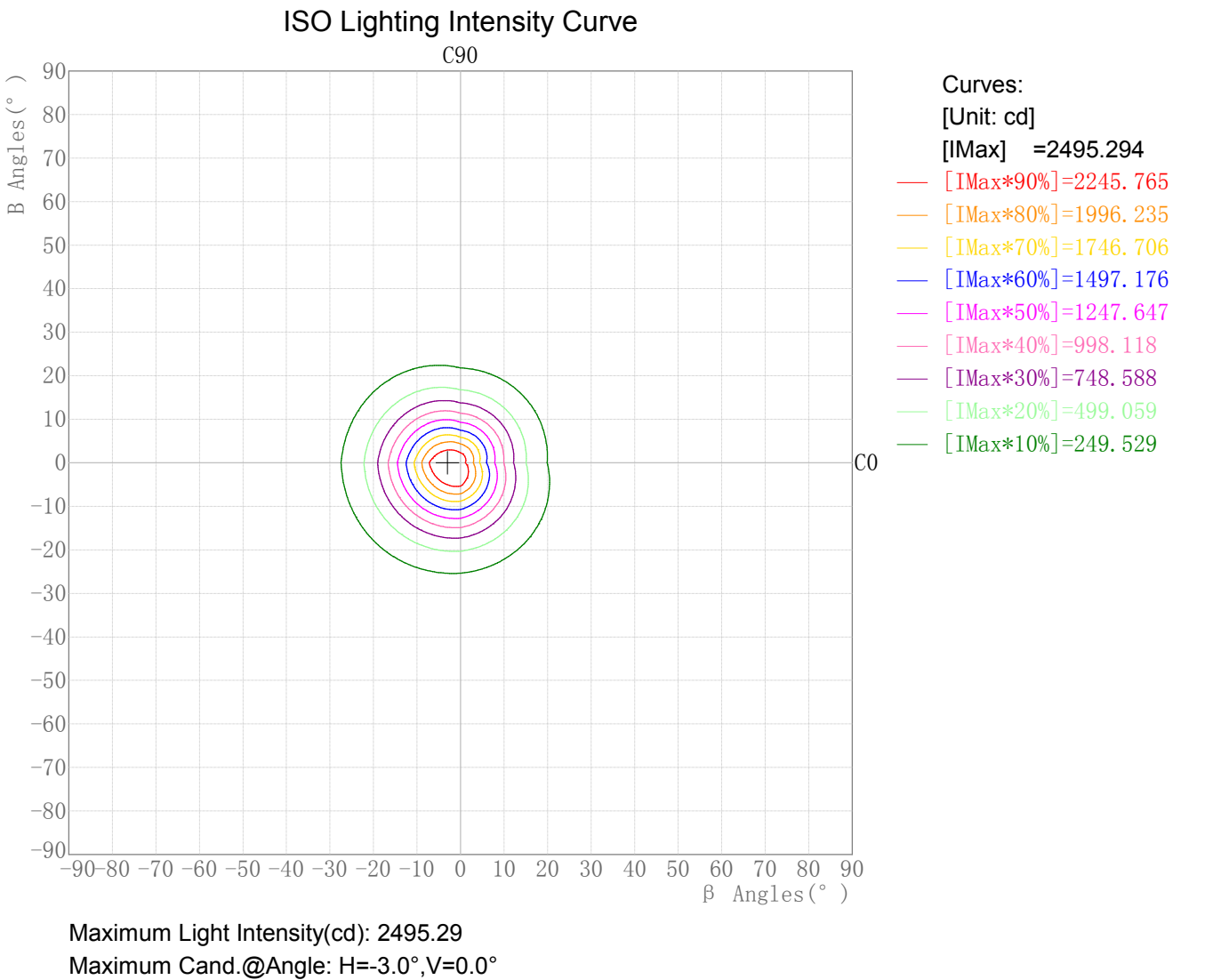
Zone( $\gamma$ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0–1.0	2.28	2.28	0.29	0.29	47.0–48.0	1.63	567.91	0.21	72.81
1.0–2.0	6.77	9.04	0.87	1.16	48.0–49.0	1.56	569.47	0.20	73.01
2.0–3.0	11.02	20.06	1.41	2.57	49.0–50.0	1.50	570.97	0.19	73.20
3.0–4.0	14.89	34.95	1.91	4.48	50.0–51.0	1.45	572.42	0.19	73.39
4.0–5.0	18.25	53.20	2.34	6.82	51.0–52.0	1.40	573.82	0.18	73.57
5.0–6.0	21.04	74.24	2.70	9.52	52.0–53.0	1.36	575.19	0.17	73.74
6.0–7.0	23.21	97.45	2.98	12.49	53.0–54.0	1.32	576.51	0.17	73.91
7.0–8.0	24.80	122.25	3.18	15.67	54.0–55.0	1.29	577.80	0.17	74.08
8.0–9.0	25.83	148.08	3.31	18.98	55.0–56.0	1.26	579.06	0.16	74.24
9.0–10.0	26.42	174.50	3.39	22.37	56.0–57.0	1.23	580.28	0.16	74.40
10.0–11.0	26.63	201.12	3.41	25.79	57.0–58.0	1.19	581.48	0.15	74.55
11.0–12.0	26.46	227.59	3.39	29.18	58.0–59.0	1.16	582.64	0.15	74.70
12.0–13.0	25.95	253.54	3.33	32.51	59.0–60.0	1.13	583.77	0.15	74.84
13.0–14.0	25.16	278.70	3.23	35.73	60.0–61.0	1.10	584.87	0.14	74.98
14.0–15.0	24.10	302.80	3.09	38.82	61.0–62.0	1.07	585.94	0.14	75.12
15.0–16.0	22.86	325.66	2.93	41.75	62.0–63.0	1.03	586.97	0.13	75.25
16.0–17.0	21.49	347.15	2.76	44.51	63.0–64.0	0.99	587.96	0.13	75.38
17.0–18.0	20.05	367.21	2.57	47.08	64.0–65.0	0.96	588.92	0.12	75.50
18.0–19.0	18.59	385.79	2.38	49.46	65.0–66.0	0.92	589.84	0.12	75.62
19.0–20.0	17.14	402.94	2.20	51.66	66.0–67.0	0.88	590.73	0.11	75.73
20.0–21.0	15.75	418.68	2.02	53.68	67.0–68.0	0.85	591.57	0.11	75.84
21.0–22.0	14.41	433.09	1.85	55.52	68.0–69.0	0.81	592.38	0.10	75.95
22.0–23.0	13.14	446.23	1.68	57.21	69.0–70.0	0.77	593.15	0.10	76.04
23.0–24.0	11.98	458.21	1.54	58.74	70.0–71.0	0.73	593.88	0.09	76.14
24.0–25.0	10.91	469.12	1.40	60.14	71.0–72.0	0.69	594.58	0.09	76.23
25.0–26.0	9.93	479.06	1.27	61.42	72.0–73.0	0.66	595.23	0.08	76.31
26.0–27.0	9.04	488.10	1.16	62.58	73.0–74.0	0.63	595.86	0.08	76.39
27.0–28.0	8.22	496.32	1.05	63.63	74.0–75.0	0.59	596.45	0.08	76.47
28.0–29.0	7.48	503.80	0.96	64.59	75.0–76.0	0.57	597.02	0.07	76.54
29.0–30.0	6.79	510.59	0.87	65.46	76.0–77.0	0.54	597.56	0.07	76.61
30.0–31.0	6.16	516.76	0.79	66.25	77.0–78.0	0.52	598.08	0.07	76.68
31.0–32.0	5.59	522.34	0.72	66.97	78.0–79.0	0.50	598.58	0.06	76.74
32.0–33.0	5.06	527.40	0.65	67.62	79.0–80.0	0.49	599.07	0.06	76.80
33.0–34.0	4.58	531.98	0.59	68.20	80.0–81.0	0.47	599.54	0.06	76.86
34.0–35.0	4.15	536.13	0.53	68.73	81.0–82.0	0.46	600.00	0.06	76.92
35.0–36.0	3.77	539.90	0.48	69.22	82.0–83.0	0.45	600.45	0.06	76.98
36.0–37.0	3.43	543.							

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. 34	605. 01	0. 04	77. 57	141. 0-142. 0	0. 28	617. 78	0. 04	79. 20
95. 0-96. 0	0. 33	605. 34	0. 04	77. 61	142. 0-143. 0	0. 29	618. 06	0. 04	79. 24
96. 0-97. 0	0. 33	605. 67	0. 04	77. 65	143. 0-144. 0	0. 29	618. 35	0. 04	79. 28
97. 0-98. 0	0. 32	605. 99	0. 04	77. 69	144. 0-145. 0	0. 29	618. 64	0. 04	79. 31
98. 0-99. 0	0. 32	606. 31	0. 04	77. 73	145. 0-146. 0	0. 29	618. 93	0. 04	79. 35
99. 0-100. 0	0. 31	606. 62	0. 04	77. 77	146. 0-147. 0	0. 29	619. 22	0. 04	79. 39
100. 0-101. 0	0. 31	606. 93	0. 04	77. 81	147. 0-148. 0	0. 29	619. 51	0. 04	79. 42
101. 0-102. 0	0. 30	607. 23	0. 04	77. 85	148. 0-149. 0	0. 29	619. 80	0. 04	79. 46
102. 0-103. 0	0. 30	607. 53	0. 04	77. 89	149. 0-150. 0	0. 29	620. 09	0. 04	79. 50
103. 0-104. 0	0. 30	607. 82	0. 04	77. 93	150. 0-151. 0	0. 28	620. 37	0. 04	79. 53
104. 0-105. 0	0. 29	608. 12	0. 04	77. 96	151. 0-152. 0	0. 28	620. 65	0. 04	79. 57
105. 0-106. 0	0. 29	608. 41	0. 04	78. 00	152. 0-153. 0	0. 27	620. 93	0. 04	79. 61
106. 0-107. 0	0. 28	608. 69	0. 04	78. 04	153. 0-154. 0	0. 27	621. 20	0. 03	79. 64
107. 0-108. 0	0. 28	608. 97	0. 04	78. 07	154. 0-155. 0	0. 26	621. 46	0. 03	79. 67
108. 0-109. 0	0. 28	609. 25	0. 04	78. 11	155. 0-156. 0	0. 26	621. 71	0. 03	79. 71
109. 0-110. 0	0. 27	609. 52	0. 04	78. 14	156. 0-157. 0	0. 25	621. 96	0. 03	79. 74
110. 0-111. 0	0. 27	609. 79	0. 03	78. 18	157. 0-158. 0	0. 24	622. 21	0. 03	79. 77
111. 0-112. 0	0. 27	610. 06	0. 03	78. 21	158. 0-159. 0	0. 23	622. 44	0. 03	79. 80
112. 0-113. 0	0. 27	610. 33	0. 03	78. 25	159. 0-160. 0	0. 22	622. 66	0. 03	79. 83
113. 0-114. 0	0. 26	610. 59	0. 03	78. 28	160. 0-161. 0	0. 21	622. 88	0. 03	79. 86
114. 0-115. 0	0. 26	610. 85	0. 03	78. 31	161. 0-162. 0	0. 21	623. 08	0. 03	79. 88
115. 0-116. 0	0. 26	611. 11	0. 03	78. 35	162. 0-163. 0	0. 20	623. 28	0. 03	79. 91
116. 0-117. 0	0. 25	611. 36	0. 03	78. 38	163. 0-164. 0	0. 18	623. 46	0. 02	79. 93
117. 0-118. 0	0. 25	611. 61	0. 03	78. 41	164. 0-165. 0	0. 17	623. 64	0. 02	79. 95
118. 0-119. 0	0. 25	611. 86	0. 03	78. 44	165. 0-166. 0	0. 16	623. 80	0. 02	79. 97
119. 0-120. 0	0. 25	612. 11	0. 03	78. 48	166. 0-167. 0	0. 15	623. 95	0. 02	79. 99
120. 0-121. 0	0. 25	612. 36	0. 03	78. 51	167. 0-168. 0	0. 14	624. 10	0. 02	80. 01
121. 0-122. 0	0. 25	612. 60	0. 03	78. 54	168. 0-169. 0	0. 13	624. 23	0. 02	80. 03
122. 0-123. 0	0. 25	612. 85	0. 03	78. 57	169. 0-170. 0	0. 12	624. 35	0. 02	80. 04
123. 0-124. 0	0. 24	613. 09	0. 03	78. 60	170. 0-171. 0	0. 11	624. 45	0. 01	80. 06
124. 0-125. 0	0. 24	613. 34	0. 03	78. 63	171. 0-172. 0	0. 10	624. 55	0. 01	80. 07
125. 0-126. 0	0. 24	613. 58	0. 03	78. 66	172. 0-173. 0	0. 09	624. 63	0. 01	80. 08
126. 0-127. 0	0. 25	613. 83	0. 03	78. 70	173. 0-174. 0	0. 07	624. 71	0. 01	80. 09
127. 0-128. 0	0. 25	614. 08	0. 03	78. 73	174. 0-175. 0	0. 06	624. 77	0. 01	80. 10
128. 0-129. 0	0. 25	614. 32	0. 03	78. 76	175. 0-176. 0	0. 05	624. 82	0. 01	80. 11
129. 0-130. 0	0. 25	614. 57	0. 03	78. 79	176. 0-177. 0	0. 04	624. 86	0. 01	80. 11
130. 0-131. 0	0. 25	614. 82	0. 03	78. 82	177. 0-178. 0	0. 03	624. 89	0. 00	80. 11
131. 0-132. 0	0. 25	615. 08	0. 03	78. 86	178. 0-179. 0	0. 02	624. 91	0. 00	80. 12
132. 0-133. 0	0. 26	615. 33	0. 03	78. 89	179. 0-180. 0	0. 01	624. 91	0. 00	80. 12
133. 0-134. 0	0. 26	615. 59	0. 03	78. 92					
134. 0-135. 0	0. 26	615. 85	0. 03	78. 96					
135. 0-136. 0	0. 26	616. 12	0. 03	78. 99					
136. 0-137. 0	0. 27	616. 39	0. 03	79. 02					
137. 0-138. 0	0. 27	616. 66	0. 03	79. 06					
138. 0-139. 0	0. 28	616. 93	0. 04	79. 09					
139. 0-140. 0	0. 28	617. 21	0. 04	79. 13					
140. 0-141. 0	0. 28	617. 49	0. 04	79. 17					

Rectangle ISO Lighting Intensity Diagram

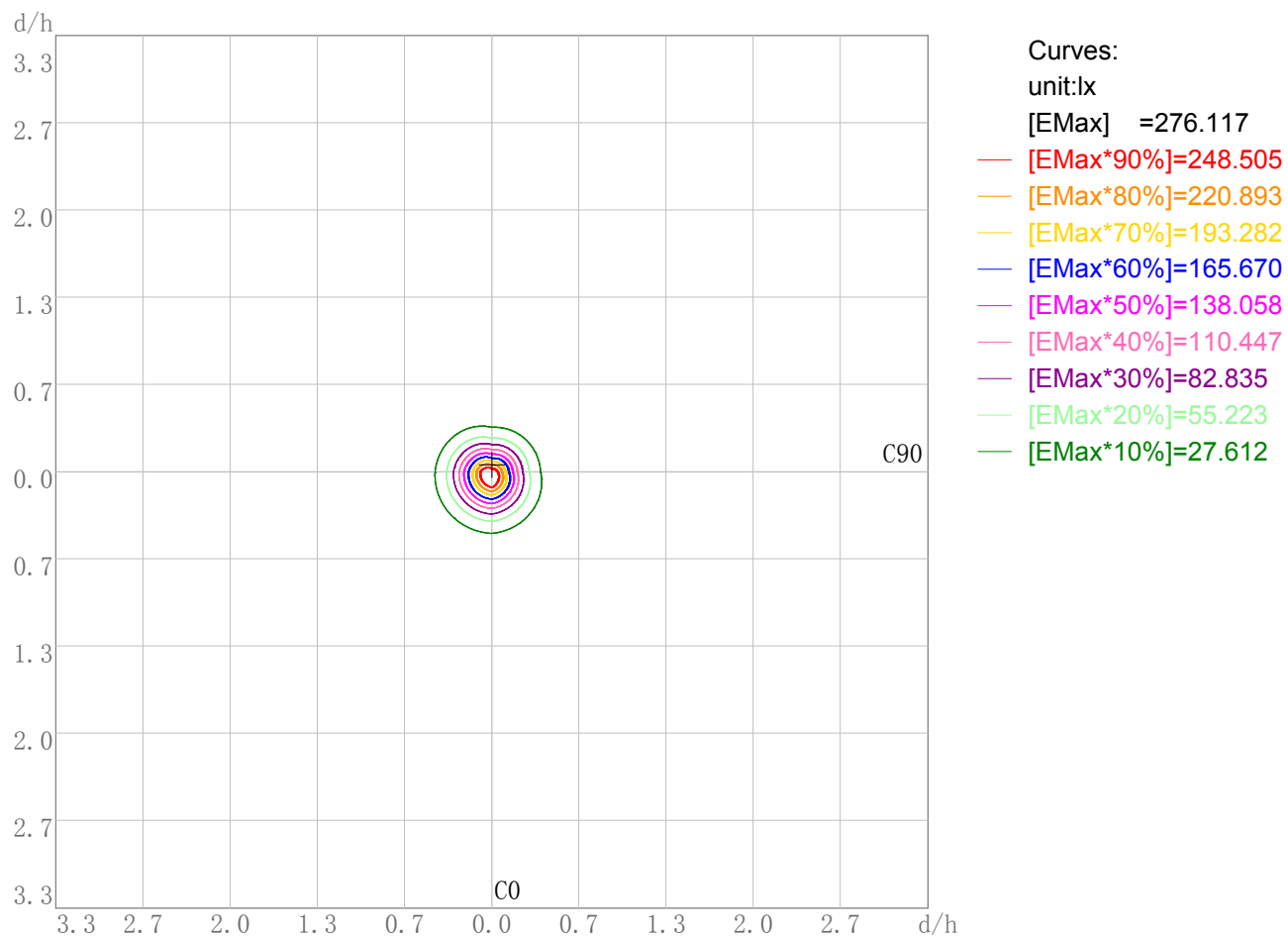
Lum. Name:MD12-09-XX-01 RA90 2700K 24D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/24



Plane ISO-Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24

Plane ISO-Illuminance Curve



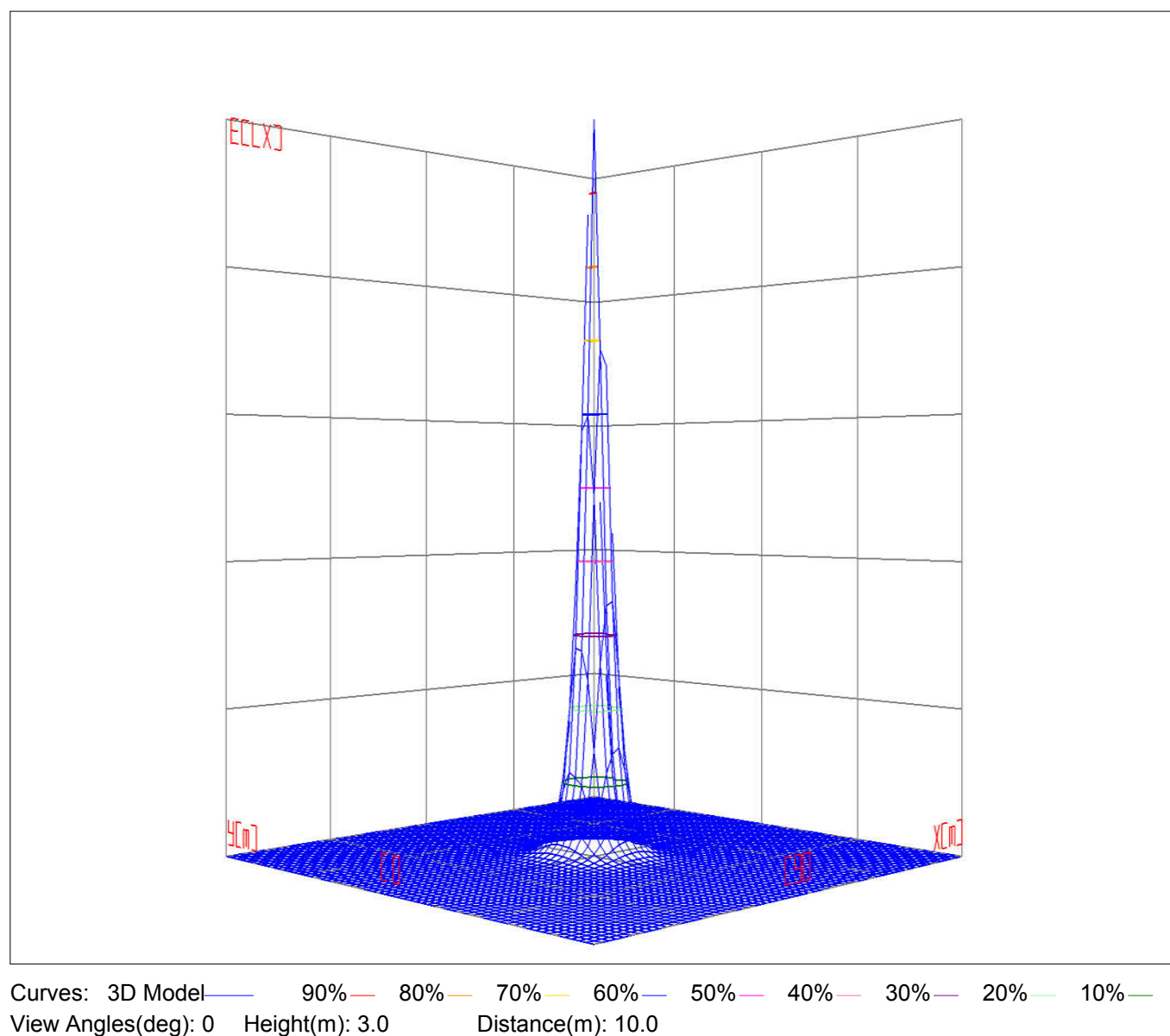
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 276.12  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.1

**Photometric Filename:MD12-09-XX-01 RA90 2700K 24D.IES**

### 3D Plane ISO Illuminance Diagram

Lum. Name: MD12-09-XX-01 RA90 2700K 24D	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: 2019/04/24

### 3D Plane Illuminance Modal

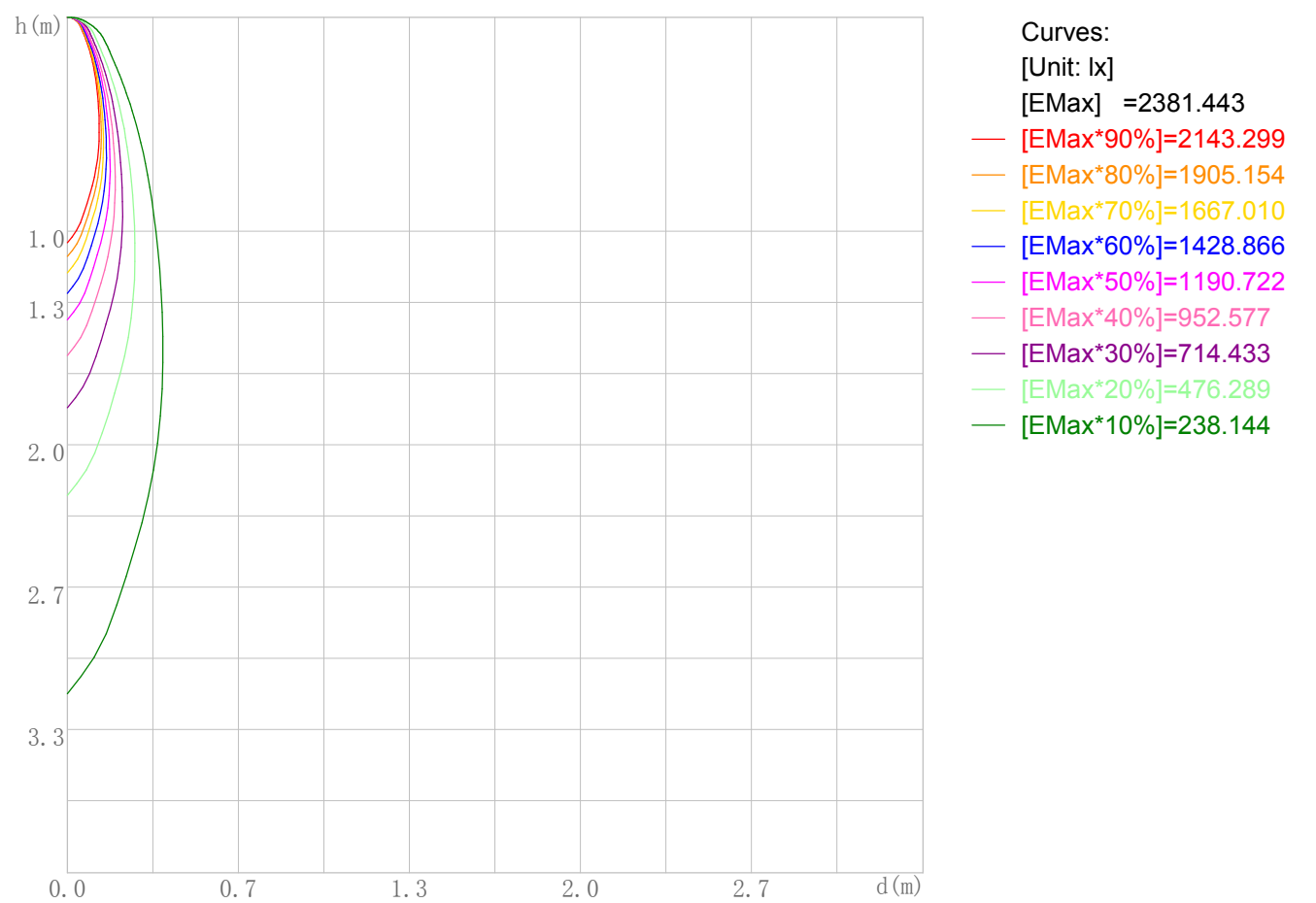




Space ISO Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24

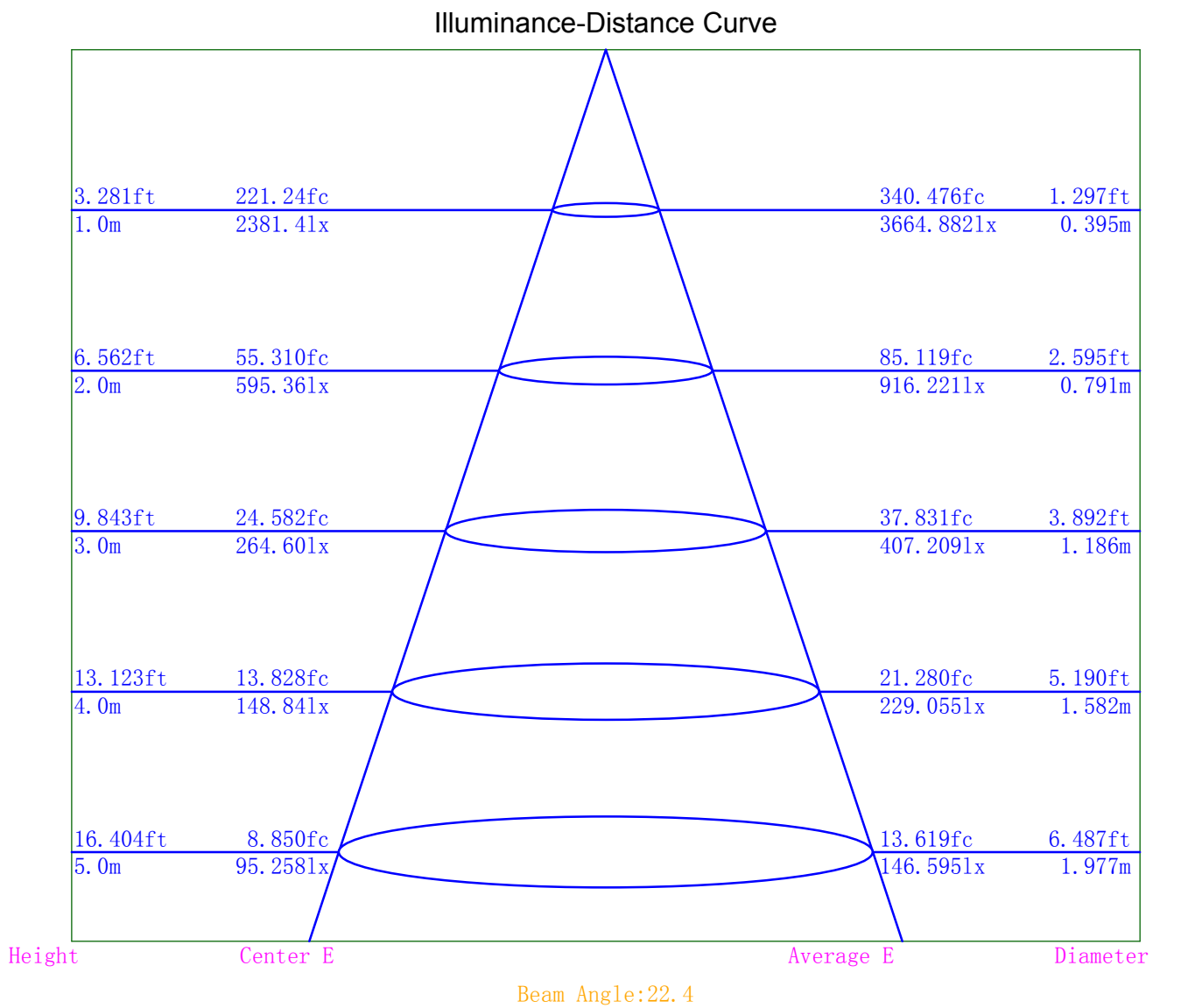
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2381.44lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:2381.443cd,0eg

Illuminance-Distance Diagram

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24



Indoor Luminance Limiting Curves

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24

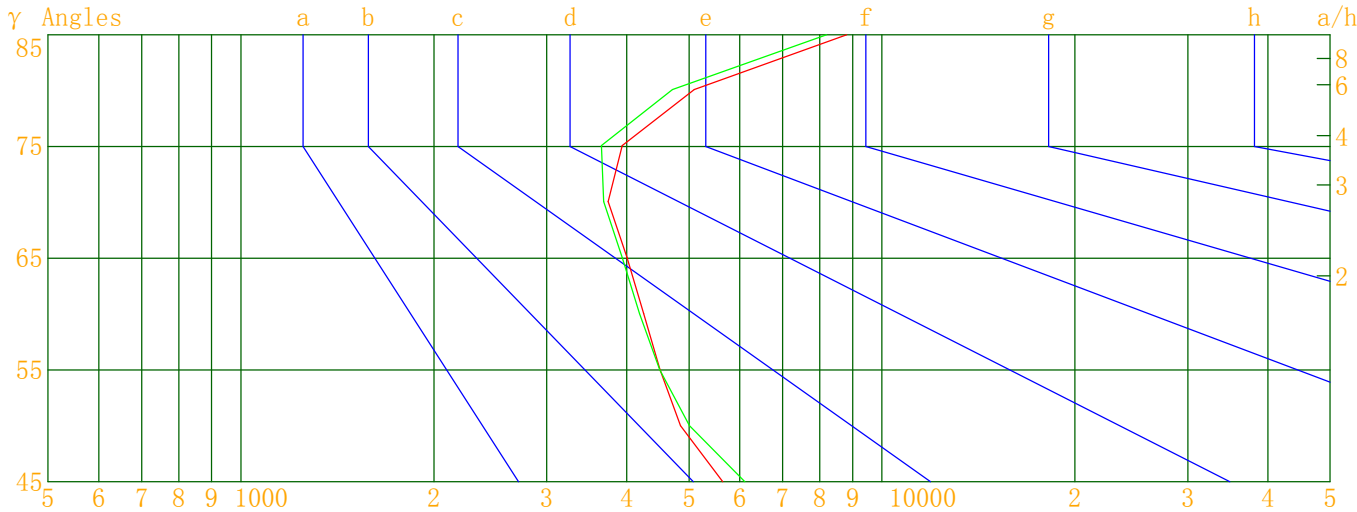
Glare Grade Table

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	5643	4848	4504	4250	4004	3742	3936	5094	8807
C90	6112	5007	4498	4188	3934	3682	3652	4711	8191

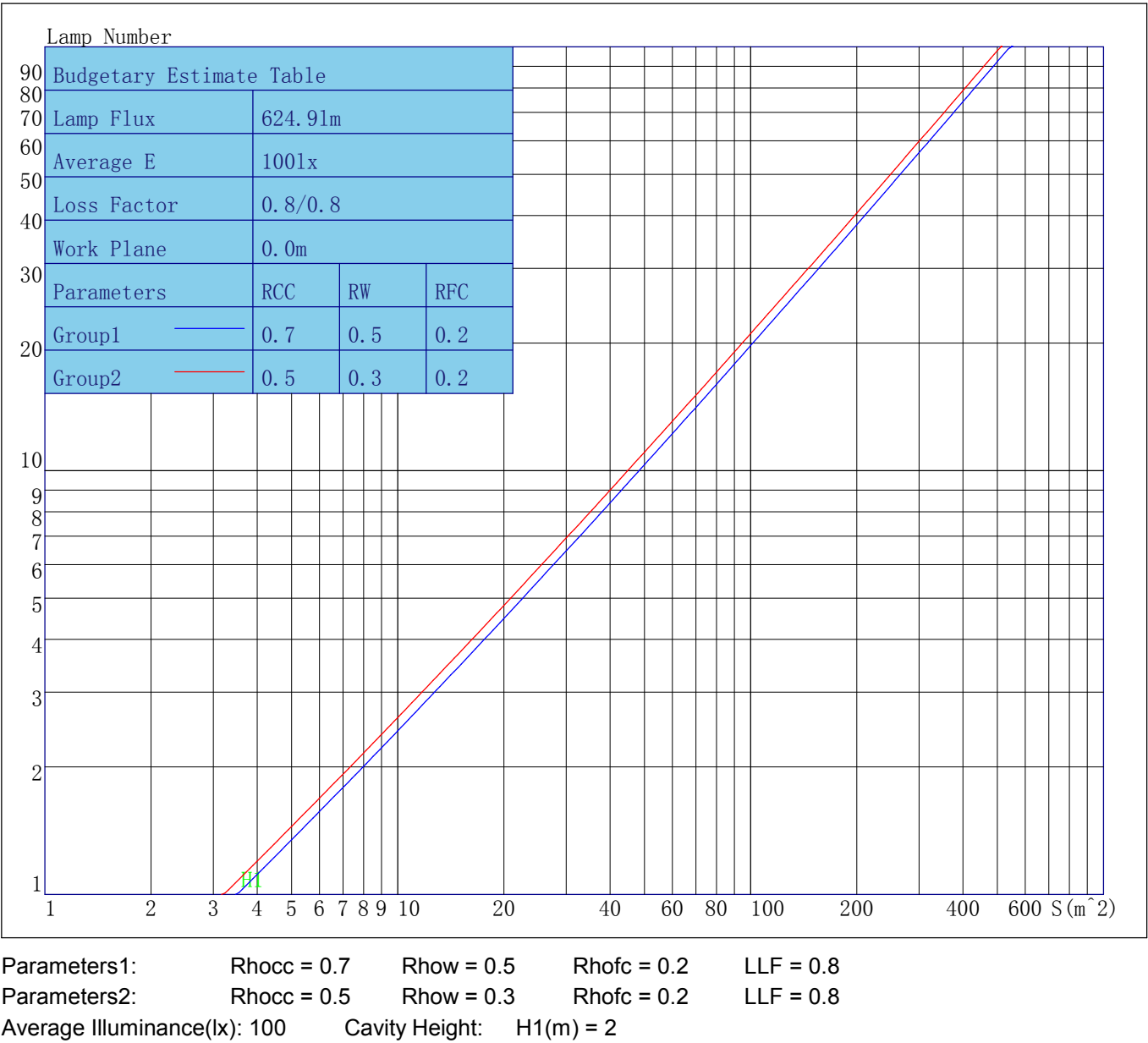
Luminance Limiting Curve



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 2700K 24D	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: 2019/04/24



Indoor Coefficient of Utilization Table

Lum. Name:MD12-09-XX-01 RA90 2700K 24D	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:2019/04/24

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	87	87	87	83	83	83	79	79	79	77
1	91	88	87	85	88	86	85	83	83	81	80	79	78	77	76	75	75	73
2	87	83	80	78	85	81	79	77	78	76	74	76	74	72	73	72	71	69
3	83	79	75	72	81	77	74	71	75	72	70	73	70	68	70	69	67	66
4	80	75	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	69	65	63	67	64	62	65	63	61	60
6	74	68	64	61	73	67	63	61	66	63	60	65	62	60	63	61	59	58
7	71	65	61	58	70	65	61	58	63	60	58	62	59	57	61	59	57	56
8	69	63	59	56	68	62	58	56	61	58	55	60	57	55	59	57	55	54
9	67	60	57	54	66	60	56	54	59	56	53	58	55	53	57	55	53	52
10	65	58	55	52	64	58	54	52	57	54	52	56	53	51	56	53	51	50

Unified Glare Rating Table

Lum. Name: MD12-09-XX-01 RA90 2700K 24D	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: 2019/04/24

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	13.1	13.5	13.5	13.9	14.3	13.4	13.9	13.9	14.3	14.7
	14.2	14.5	14.6	14.9	15.4	14.4	14.7	14.9	15.1	15.6
	14.7	14.9	15.2	15.4	15.9	14.9	15.1	15.3	15.5	16.0
	15.4	15.6	15.9	16.0	16.5	15.4	15.6	15.9	16.0	16.5
	15.8	15.9	16.4	16.4	16.9	15.8	15.9	16.3	16.4	16.9
	16.4	16.5	16.9	16.9	17.4	16.3	16.4	16.8	16.8	17.3
X=4H    Y=2H	13.6	13.8	14.1	14.2	14.7	13.9	14.1	14.4	14.5	15.0
	14.9	14.9	15.4	15.4	15.9	15.1	15.1	15.6	15.6	16.1
	15.6	15.6	16.1	16.1	16.6	15.7	15.6	16.2	16.2	16.7
	16.5	16.4	17.1	16.9	17.5	16.5	16.3	17.0	16.9	17.5
	17.1	16.9	17.6	17.4	18.0	17.0	16.8	17.5	17.3	17.9
	17.8	17.5	18.3	18.1	18.7	17.6	17.3	18.2	17.9	18.5
X=8H    Y=4H	15.9	15.8	16.5	16.3	16.9	16.0	15.8	16.6	16.3	16.9
	17.1	16.8	17.8	17.4	17.9	17.1	16.8	17.7	17.3	17.8
	17.9	17.5	18.6	18.2	18.8	17.8	17.4	18.4	18.0	18.6
	18.9	18.4	19.5	19.0	19.7	18.7	18.2	19.3	18.8	19.5
X=12H    Y=4H	16.0	15.7	16.5	16.3	16.9	16.0	15.8	16.6	16.4	16.9
	17.3	16.9	17.9	17.5	18.1	17.2	16.9	17.9	17.4	18.1
	18.2	17.8	18.8	18.4	19.1	18.0	17.6	18.7	18.2	18.9
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.1/-0.1				
S=1.5H	0.2/-0.2					0.2/-0.2				
S=2.0H	0.3/-0.3					0.4/-0.3				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	3.6					3.3				

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 2700K 24D.IES

---

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	2381.44	2381.44	2381.44	2381.44
γ 1.0	2262.05	2362.51	2435.91	2452.64
γ 2.0	2137.27	2273.72	2478.63	2455.18
γ 3.0	1985.98	2172.75	2495.29	2430.23
γ 4.0	1811.20	2043.66	2476.00	2375.61
γ 5.0	1647.36	1889.02	2437.20	2291.61
γ 6.0	1494.38	1720.63	2366.34	2166.34
γ 7.0	1360.66	1563.34	2269.42	2015.69
γ 8.0	1230.58	1418.47	2134.48	1865.94
γ 9.0	1107.22	1284.66	1985.04	1724.43
γ 10.0	988.09	1160.29	1834.70	1592.43
γ 11.0	874.49	1042.08	1700.46	1466.24
γ 12.0	767.65	929.47	1563.28	1339.12
γ 13.0	670.02	824.04	1436.71	1217.66
γ 14.0	580.74	724.85	1309.54	1098.72
γ 15.0	502.95	634.76	1185.93	985.51
γ 16.0	434.18	553.17	1067.75	876.10
γ 17.0	376.61	481.76	955.38	775.35
γ 18.0	325.98	419.79	849.37	680.31
γ 19.0	283.27	365.61	752.48	596.43
γ 20.0	246.18	318.40	664.06	520.36
γ 21.0	215.39	277.56	584.66	453.80
γ 22.0	188.61	242.40	511.03	394.25
γ 23.0	165.72	212.42	447.41	342.90
γ 24.0	145.48	186.49	391.76	299.29
γ 25.0	128.10	163.84	342.86	262.05
γ 26.0	112.79	143.86	300.55	229.45
γ 27.0	99.70	126.72	263.76	201.15
γ 28.0	88.17	111.82	231.48	176.60
γ 29.0	78.37	98.65	203.23	155.05
γ 30.0	69.72	87.14	178.39	135.90
γ 31.0	62.40	77.10	156.19	119.22
γ 32.0	55.90	68.50	136.16	104.40
γ 33.0	50.36	60.99	118.56	91.80
γ 34.0	45.39	54.41	103.02	80.76
γ 35.0	40.97	48.74	89.71	71.38
γ 36.0	37.22	43.72	78.31	63.27
γ 37.0	33.97	39.52	68.81	56.39
γ 38.0	31.10	35.97	60.54	50.23
γ 39.0	28.58	32.80	53.54	45.06
γ 40.0	26.33	29.98	47.48	40.61
γ 41.0	24.48	27.58	42.51	36.99
γ 42.0	22.82	25.50	38.04	33.76
γ 43.0	21.37	23.57	34.44	31.03
γ 44.0	20.08	21.96	31.39	28.67
γ 45.0	18.95	20.53	28.76	26.64
γ 46.0	17.89	19.25	26.52	24.82

---

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	16.97	18.07	24.62	23.28
γ 48.0	16.15	17.04	22.95	21.91
γ 49.0	15.46	16.12	21.57	20.77
γ 50.0	14.80	15.29	20.40	19.69
γ 51.0	14.22	14.57	19.32	18.77
γ 52.0	13.67	13.93	18.40	17.93
γ 53.0	13.19	13.32	17.56	17.24
γ 54.0	12.72	12.78	16.86	16.56
γ 55.0	12.27	12.26	16.17	15.98
γ 56.0	11.84	11.77	15.62	15.38
γ 57.0	11.42	11.28	15.06	14.86
γ 58.0	10.94	10.85	14.57	14.33
γ 59.0	10.53	10.40	14.05	13.86
γ 60.0	10.09	9.95	13.59	13.35
γ 61.0	9.66	9.52	13.11	12.85
γ 62.0	9.25	9.10	12.66	12.30
γ 63.0	8.85	8.70	12.11	11.77
γ 64.0	8.45	8.29	11.63	11.26
γ 65.0	8.04	7.90	11.10	10.78
γ 66.0	7.62	7.51	10.62	10.30
γ 67.0	7.22	7.12	10.11	9.84
γ 68.0	6.82	6.73	9.62	9.37
γ 69.0	6.45	6.36	9.13	8.90
γ 70.0	6.08	5.98	8.66	8.42
γ 71.0	5.72	5.63	8.19	7.95
γ 72.0	5.40	5.30	7.73	7.49
γ 73.0	5.15	5.00	7.24	7.05
γ 74.0	4.98	4.70	6.82	6.63
γ 75.0	4.84	4.49	6.37	6.22
γ 76.0	4.70	4.35	5.96	5.82
γ 77.0	4.56	4.22	5.55	5.46
γ 78.0	4.43	4.10	5.20	5.23
γ 79.0	4.32	3.99	4.90	5.07
γ 80.0	4.20	3.89	4.73	4.91
γ 81.0	4.09	3.79	4.57	4.77
γ 82.0	3.97	3.70	4.43	4.63
γ 83.0	3.86	3.61	4.27	4.49
γ 84.0	3.74	3.50	4.15	4.35
γ 85.0	3.65	3.39	4.03	4.23
γ 86.0	3.54	3.29	3.91	4.11
γ 87.0	3.48	3.19	3.81	3.99
γ 88.0	3.42	3.10	3.70	3.86
γ 89.0	3.38	3.04	3.59	3.74
γ 90.0	3.33	3.01	3.46	3.64
γ 91.0	3.28	2.96	3.34	3.52
γ 92.0	3.23	2.92	3.24	3.45
γ 93.0	3.20	2.90	3.13	3.39



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.16	2.86	3.08	3.32
γ 95.0	3.13	2.84	3.02	3.26
γ 96.0	3.09	2.81	2.97	3.20
γ 97.0	3.05	2.78	2.92	3.14
γ 98.0	3.03	2.74	2.87	3.10
γ 99.0	3.01	2.72	2.83	3.05
γ 100.0	2.97	2.70	2.79	3.00
γ 101.0	2.95	2.68	2.75	2.98
γ 102.0	2.92	2.66	2.72	2.93
γ 103.0	2.90	2.64	2.69	2.89
γ 104.0	2.87	2.62	2.67	2.87
γ 105.0	2.86	2.61	2.66	2.85
γ 106.0	2.83	2.59	2.64	2.81
γ 107.0	2.81	2.58	2.62	2.80
γ 108.0	2.79	2.56	2.59	2.78
γ 109.0	2.77	2.53	2.58	2.76
γ 110.0	2.74	2.52	2.58	2.74
γ 111.0	2.73	2.51	2.56	2.72
γ 112.0	2.71	2.50	2.56	2.71
γ 113.0	2.69	2.49	2.56	2.71
γ 114.0	2.69	2.47	2.55	2.70
γ 115.0	2.67	2.46	2.54	2.70
γ 116.0	2.66	2.47	2.55	2.70
γ 117.0	2.67	2.46	2.55	2.69
γ 118.0	2.67	2.46	2.56	2.70
γ 119.0	2.68	2.47	2.55	2.71
γ 120.0	2.69	2.48	2.56	2.70
γ 121.0	2.71	2.49	2.57	2.71
γ 122.0	2.72	2.52	2.59	2.72
γ 123.0	2.75	2.55	2.60	2.75
γ 124.0	2.80	2.57	2.62	2.77
γ 125.0	2.85	2.61	2.64	2.79
γ 126.0	2.89	2.67	2.67	2.81
γ 127.0	2.96	2.72	2.70	2.85
γ 128.0	3.02	2.78	2.73	2.89
γ 129.0	3.10	2.84	2.78	2.93
γ 130.0	3.18	2.92	2.83	2.98
γ 131.0	3.27	3.01	2.87	3.04
γ 132.0	3.37	3.09	2.92	3.11
γ 133.0	3.48	3.19	2.99	3.18
γ 134.0	3.58	3.29	3.07	3.24
γ 135.0	3.71	3.40	3.15	3.34
γ 136.0	3.82	3.52	3.23	3.42
γ 137.0	3.94	3.63	3.32	3.53
γ 138.0	4.07	3.77	3.43	3.64
γ 139.0	4.22	3.89	3.54	3.74
γ 140.0	4.34	4.02	3.65	3.85

**Photometric Filename:MD12-09-XX-01 RA90 2700K 24D.IES**

V/H	C0.0	C90.0	C180.0	C270.0
$\gamma$ 141.0	4.48	4.15	3.78	3.98
$\gamma$ 142.0	4.61	4.29	3.90	4.11
$\gamma$ 143.0	4.75	4.42	4.02	4.24
$\gamma$ 144.0	4.87	4.56	4.16	4.37
$\gamma$ 145.0	4.99	4.67	4.30	4.52
$\gamma$ 146.0	5.10	4.81	4.44	4.63
$\gamma$ 147.0	5.21	4.92	4.57	4.76
$\gamma$ 148.0	5.30	5.04	4.72	4.88
$\gamma$ 149.0	5.40	5.13	4.84	5.00
$\gamma$ 150.0	5.48	5.22	4.96	5.10
$\gamma$ 151.0	5.57	5.30	5.08	5.21
$\gamma$ 152.0	5.64	5.40	5.19	5.30
$\gamma$ 153.0	5.71	5.46	5.29	5.40
$\gamma$ 154.0	5.76	5.53	5.40	5.48
$\gamma$ 155.0	5.82	5.58	5.49	5.55
$\gamma$ 156.0	5.85	5.65	5.57	5.61
$\gamma$ 157.0	5.90	5.68	5.65	5.68
$\gamma$ 158.0	5.93	5.72	5.73	5.73
$\gamma$ 159.0	5.95	5.76	5.78	5.78
$\gamma$ 160.0	5.97	5.79	5.85	5.81
$\gamma$ 161.0	5.99	5.82	5.90	5.85
$\gamma$ 162.0	5.99	5.84	5.94	5.88
$\gamma$ 163.0	5.99	5.85	5.97	5.90
$\gamma$ 164.0	6.00	5.87	6.01	5.91
$\gamma$ 165.0	5.99	5.87	6.04	5.93
$\gamma$ 166.0	5.99	5.88	6.05	5.94
$\gamma$ 167.0	5.99	5.88	6.06	5.95
$\gamma$ 168.0	5.98	5.89	6.08	5.94
$\gamma$ 169.0	5.96	5.88	6.08	5.96
$\gamma$ 170.0	5.95	5.89	6.09	5.94
$\gamma$ 171.0	5.93	5.87	6.07	5.93
$\gamma$ 172.0	5.93	5.88	6.06	5.92
$\gamma$ 173.0	5.92	5.88	6.03	5.91
$\gamma$ 174.0	5.91	5.88	6.02	5.90
$\gamma$ 175.0	5.91	5.89	6.01	5.89
$\gamma$ 176.0	5.91	5.89	5.99	5.89
$\gamma$ 177.0	5.93	5.89	5.97	5.89
$\gamma$ 178.0	5.93	5.88	5.96	5.88
$\gamma$ 179.0	5.93	5.88	5.95	5.88
$\gamma$ 180.0	5.92	5.92	5.92	5.92