

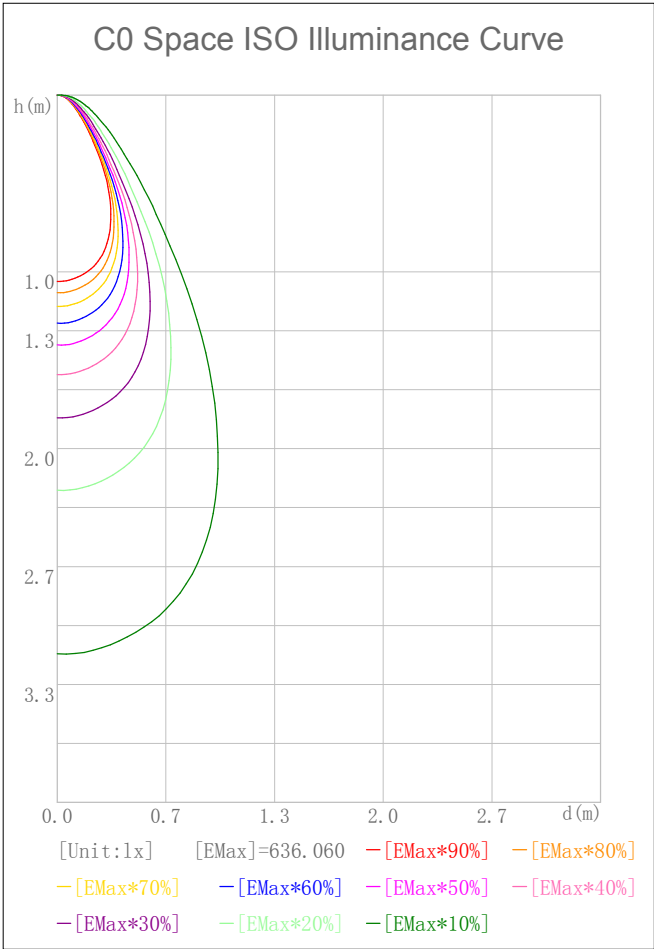
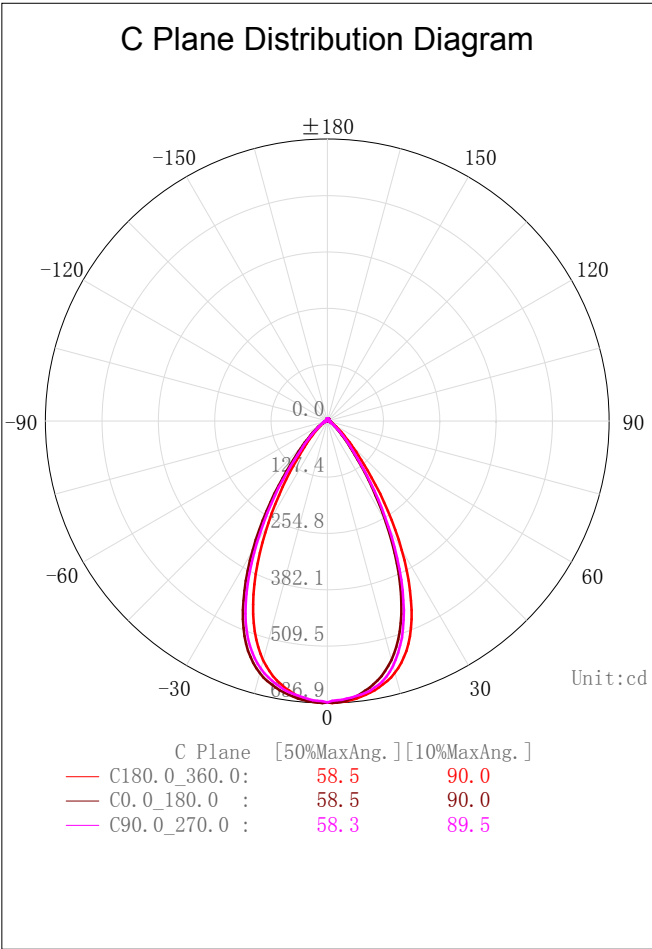
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 60D 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

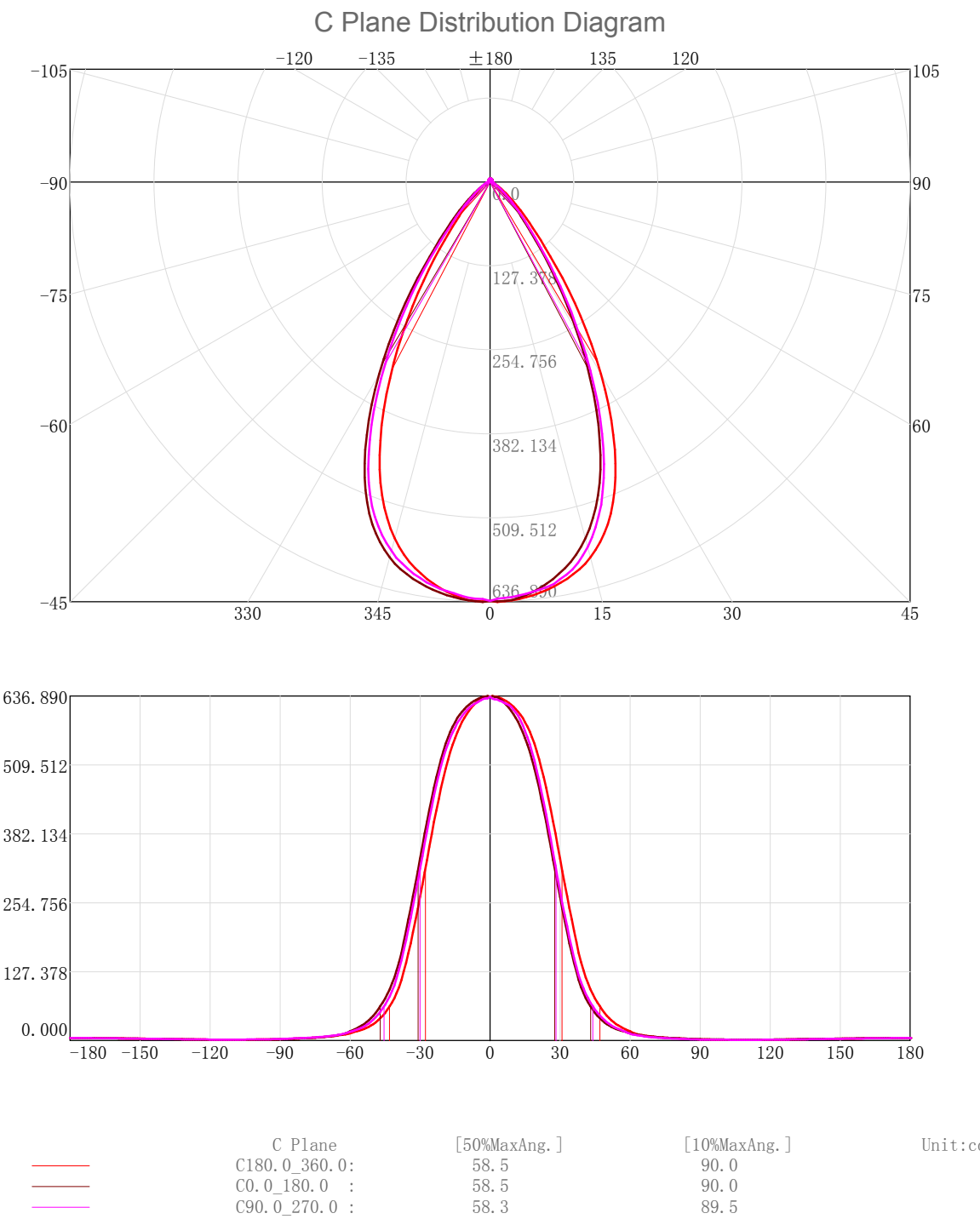
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 793.000	Luminary Flux(lm): 635.767	Field Angle(10%Imax): 90.0(°)	
Rated Power(W):	Luminary Efficiency: 80.17%	Down Lumens&Percent: 619.066lm 97.37%	
Rated Voltage(V):	Luminary EER(lm/W): 70.948	Up Lumens&Percent: 16.701lm 2.63%	
Tested Power(W): 8.961	Max. Candela(cd): 636.890	S/MH: C0_a180=0.918 C90_270=0.916	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.3, 0.040, 0.912		ErP Φuse(90°): 560.949lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 238.485	
		Left=-27.7°, Right=30.8°	



2D Plane Light Intensity Distribution Curve

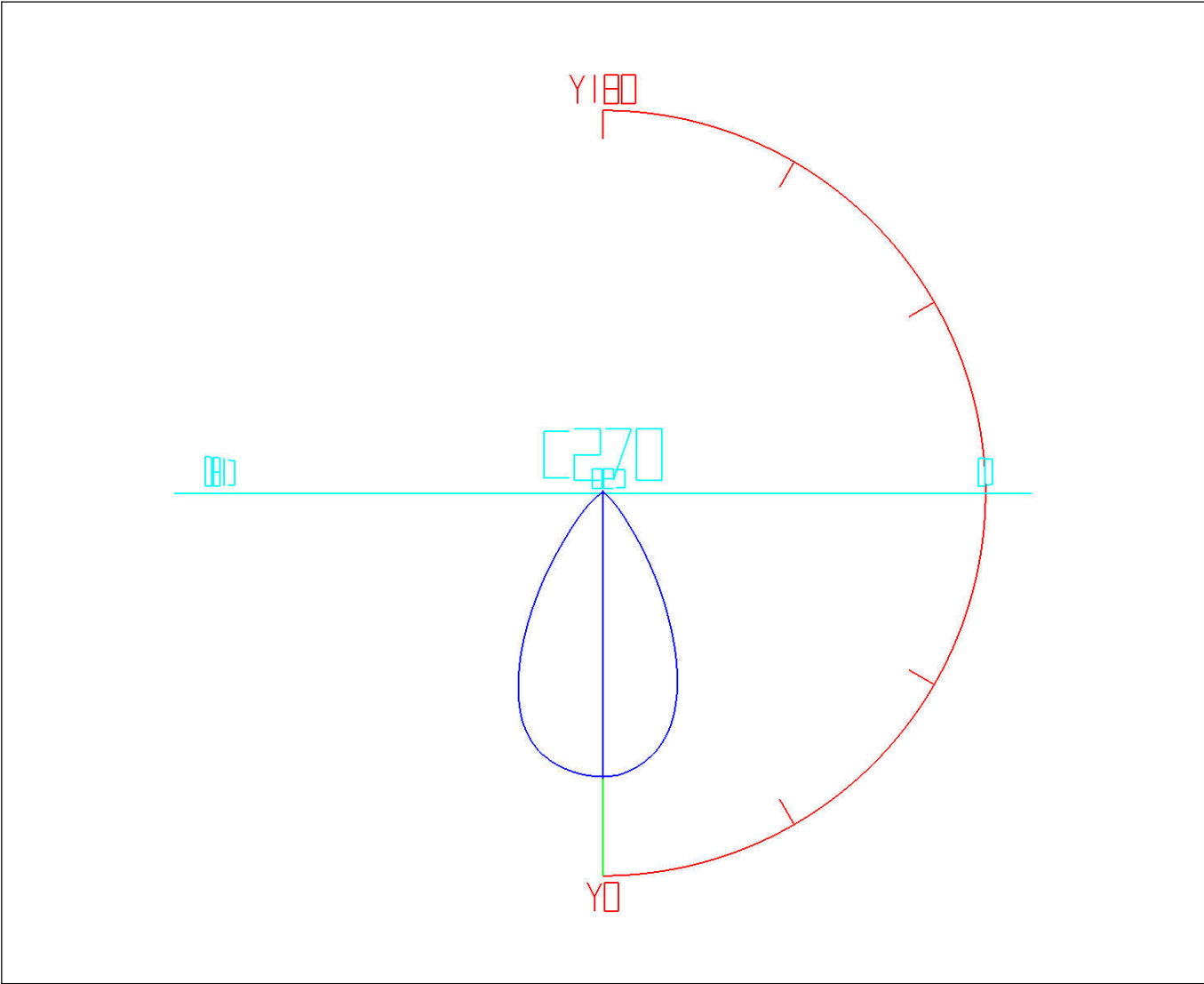
Lum. Name:MD12-09-XX-01 RA90 60D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16



3D Light Intensity Distribution Modal

Lum. Name:MD12-09-XX-01 RA90 60D 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



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 60D 3000K.IES

Zonal Flux Tabulation

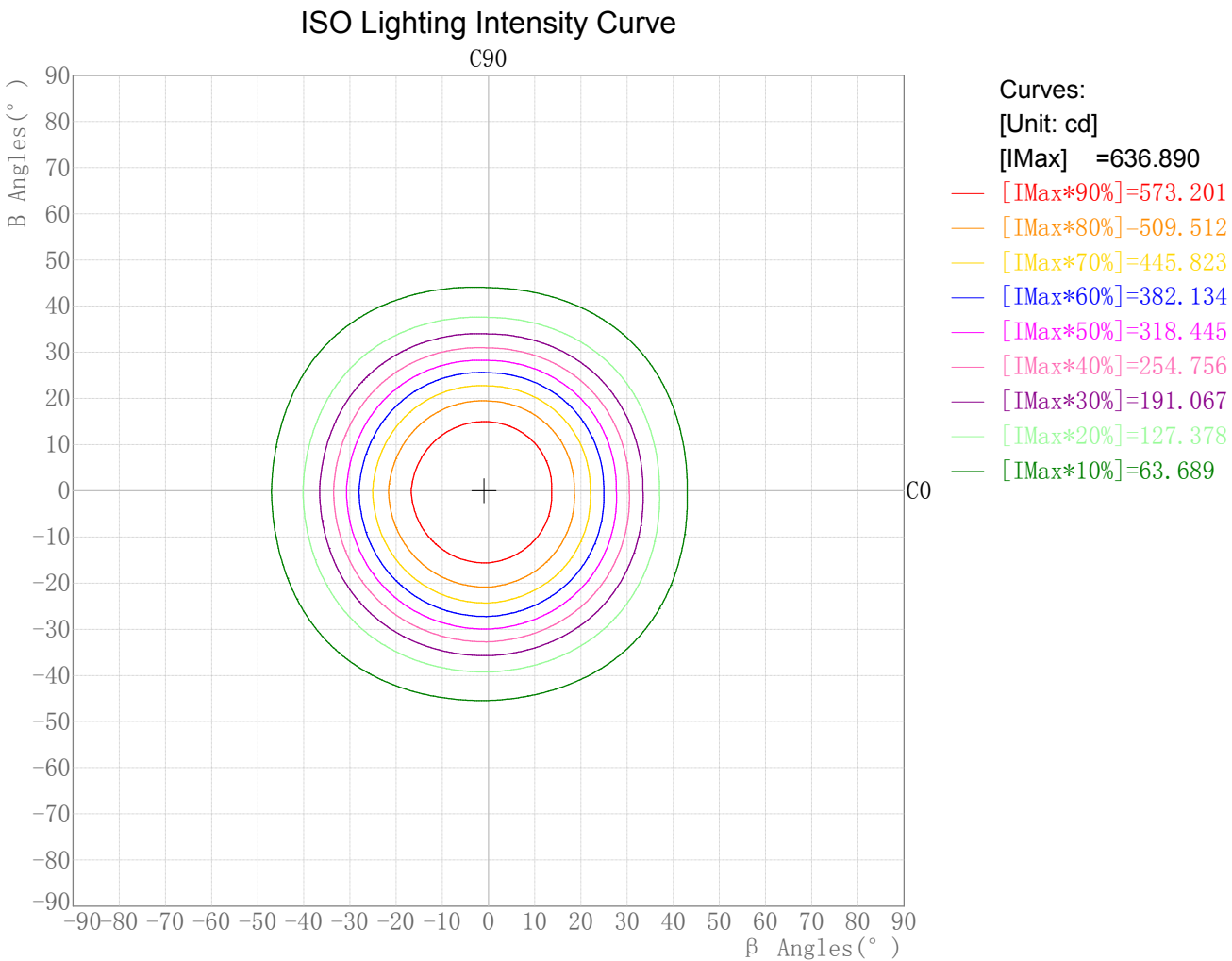
Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.61	0.61	0.08	0.08	47.0-48.0	3.95	570.18	0.50	71.90
1.0-2.0	1.82	2.43	0.23	0.31	48.0-49.0	3.62	573.79	0.46	72.36
2.0-3.0	3.03	5.46	0.38	0.69	49.0-50.0	3.31	577.11	0.42	72.78
3.0-4.0	4.23	9.69	0.53	1.22	50.0-51.0	3.04	580.14	0.38	73.16
4.0-5.0	5.42	15.10	0.68	1.90	51.0-52.0	2.79	582.94	0.35	73.51
5.0-6.0	6.59	21.69	0.83	2.74	52.0-53.0	2.57	585.51	0.32	73.83
6.0-7.0	7.75	29.45	0.98	3.71	53.0-54.0	2.37	587.88	0.30	74.13
7.0-8.0	8.89	38.34	1.12	4.83	54.0-55.0	2.20	590.08	0.28	74.41
8.0-9.0	10.01	48.35	1.26	6.10	55.0-56.0	2.04	592.13	0.26	74.67
9.0-10.0	11.10	59.44	1.40	7.50	56.0-57.0	1.90	594.03	0.24	74.91
10.0-11.0	12.15	71.59	1.53	9.03	57.0-58.0	1.77	595.79	0.22	75.13
11.0-12.0	13.17	84.76	1.66	10.69	58.0-59.0	1.64	597.43	0.21	75.34
12.0-13.0	14.14	98.90	1.78	12.47	59.0-60.0	1.51	598.94	0.19	75.53
13.0-14.0	15.06	113.96	1.90	14.37	60.0-61.0	1.37	600.31	0.17	75.70
14.0-15.0	15.91	129.87	2.01	16.38	61.0-62.0	1.25	601.56	0.16	75.86
15.0-16.0	16.69	146.56	2.11	18.48	62.0-63.0	1.16	602.72	0.15	76.00
16.0-17.0	17.40	163.97	2.19	20.68	63.0-64.0	1.08	603.80	0.14	76.14
17.0-18.0	18.02	181.99	2.27	22.95	64.0-65.0	1.02	604.82	0.13	76.27
18.0-19.0	18.56	200.55	2.34	25.29	65.0-66.0	0.97	605.79	0.12	76.39
19.0-20.0	18.98	219.53	2.39	27.68	66.0-67.0	0.92	606.71	0.12	76.51
20.0-21.0	19.29	238.83	2.43	30.12	67.0-68.0	0.87	607.57	0.11	76.62
21.0-22.0	19.49	258.31	2.46	32.57	68.0-69.0	0.82	608.39	0.10	76.72
22.0-23.0	19.56	277.87	2.47	35.04	69.0-70.0	0.77	609.17	0.10	76.82
23.0-24.0	19.49	297.36	2.46	37.50	70.0-71.0	0.73	609.90	0.09	76.91
24.0-25.0	19.31	316.68	2.44	39.93	71.0-72.0	0.69	610.60	0.09	77.00
25.0-26.0	19.02	335.70	2.40	42.33	72.0-73.0	0.66	611.26	0.08	77.08
26.0-27.0	18.61	354.30	2.35	44.68	73.0-74.0	0.63	611.89	0.08	77.16
27.0-28.0	18.09	372.39	2.28	46.96	74.0-75.0	0.61	612.49	0.08	77.24
28.0-29.0	17.48	389.87	2.20	49.16	75.0-76.0	0.58	613.08	0.07	77.31
29.0-30.0	16.78	406.65	2.12	51.28	76.0-77.0	0.56	613.63	0.07	77.38
30.0-31.0	16.00	422.65	2.02	53.30	77.0-78.0	0.54	614.17	0.07	77.45
31.0-32.0	15.17	437.82	1.91	55.21	78.0-79.0	0.52	614.68	0.06	77.51
32.0-33.0	14.30	452.13	1.80	57.01	79.0-80.0	0.49	615.18	0.06	77.58
33.0-34.0	13.39	465.52	1.69	58.70	80.0-81.0	0.48	615.65	0.06	77.64
34.0-35.0	12.46	477.98	1.57	60.28	81.0-82.0	0.46	616.11	0.06	77.69
35.0-36.0	11.53	489.51	1.45	61.73	82.0-83.0	0.44	616.55	0.06	77.75
36.0-37.0	10.59	500.10	1.34	63.06	83.0-84.0	0.42	616.97	0.05	77.80
37.0-38.0	9.65	509.76	1.22	64.28	84.0-85.0	0.40	617.37	0.05	77.85
38.0-39.0	8.76	518.52	1.10	65.39	85.0-86.0	0.38	617.75	0.05	77.90
39.0-40.0	7.96	526.47	1.00	66.39	86.0-87.0	0.36	618.11	0.05	77.95
40.0-41.0	7.25	533.72	0.91	67.30	87.0-88.0	0.34	618.45	0.04	77.99
41.0-42.0	6.64	540.36	0.84	68.14	88.0-89.0	0.32	618.77	0.04	78.03
42.0-43.0	6.10	546.45	0.77	68.91	89.0-90.0	0.30	619.07	0.04	78.07
43.0-44.0	5.60	552.06	0.71	69.62	90.0-91.0	0.29	619.35	0.04	78.10
44.0-45.0	5.14	557.20	0.65	70.26	91.0-92.0	0.28	619.63	0.04	78.14
45.0-46.0	4.71	561.91	0.59	70.86	92.0-93.0	0.27	619.90	0.03	78.17
46.0-47.0	4.32	566.23	0.54	71.40	93.0-94.0	0.27	620.17	0.03	78.21

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. 26	620. 43	0. 03	78. 24	141. 0-142. 0	0. 22	630. 40	0. 03	79. 50
95. 0-96. 0	0. 25	620. 68	0. 03	78. 27	142. 0-143. 0	0. 22	630. 62	0. 03	79. 52
96. 0-97. 0	0. 25	620. 93	0. 03	78. 30	143. 0-144. 0	0. 22	630. 84	0. 03	79. 55
97. 0-98. 0	0. 24	621. 18	0. 03	78. 33	144. 0-145. 0	0. 22	631. 06	0. 03	79. 58
98. 0-99. 0	0. 24	621. 41	0. 03	78. 36	145. 0-146. 0	0. 22	631. 28	0. 03	79. 61
99. 0-100. 0	0. 23	621. 65	0. 03	78. 39	146. 0-147. 0	0. 22	631. 50	0. 03	79. 63
100. 0-101. 0	0. 23	621. 88	0. 03	78. 42	147. 0-148. 0	0. 21	631. 71	0. 03	79. 66
101. 0-102. 0	0. 22	622. 10	0. 03	78. 45	148. 0-149. 0	0. 21	631. 92	0. 03	79. 69
102. 0-103. 0	0. 22	622. 32	0. 03	78. 48	149. 0-150. 0	0. 21	632. 13	0. 03	79. 71
103. 0-104. 0	0. 22	622. 54	0. 03	78. 50	150. 0-151. 0	0. 21	632. 34	0. 03	79. 74
104. 0-105. 0	0. 21	622. 75	0. 03	78. 53	151. 0-152. 0	0. 20	632. 54	0. 03	79. 77
105. 0-106. 0	0. 21	622. 96	0. 03	78. 56	152. 0-153. 0	0. 20	632. 74	0. 03	79. 79
106. 0-107. 0	0. 21	623. 17	0. 03	78. 58	153. 0-154. 0	0. 20	632. 94	0. 02	79. 82
107. 0-108. 0	0. 21	623. 38	0. 03	78. 61	154. 0-155. 0	0. 19	633. 13	0. 02	79. 84
108. 0-109. 0	0. 20	623. 58	0. 03	78. 64	155. 0-156. 0	0. 19	633. 31	0. 02	79. 86
109. 0-110. 0	0. 20	623. 78	0. 03	78. 66	156. 0-157. 0	0. 18	633. 49	0. 02	79. 89
110. 0-111. 0	0. 20	623. 98	0. 03	78. 69	157. 0-158. 0	0. 18	633. 67	0. 02	79. 91
111. 0-112. 0	0. 20	624. 18	0. 02	78. 71	158. 0-159. 0	0. 17	633. 84	0. 02	79. 93
112. 0-113. 0	0. 20	624. 37	0. 02	78. 74	159. 0-160. 0	0. 17	634. 01	0. 02	79. 95
113. 0-114. 0	0. 20	624. 57	0. 02	78. 76	160. 0-161. 0	0. 16	634. 17	0. 02	79. 97
114. 0-115. 0	0. 20	624. 76	0. 02	78. 78	161. 0-162. 0	0. 15	634. 32	0. 02	79. 99
115. 0-116. 0	0. 20	624. 96	0. 02	78. 81	162. 0-163. 0	0. 15	634. 47	0. 02	80. 01
116. 0-117. 0	0. 19	625. 15	0. 02	78. 83	163. 0-164. 0	0. 14	634. 61	0. 02	80. 03
117. 0-118. 0	0. 20	625. 35	0. 02	78. 86	164. 0-165. 0	0. 13	634. 74	0. 02	80. 04
118. 0-119. 0	0. 20	625. 55	0. 02	78. 88	165. 0-166. 0	0. 13	634. 87	0. 02	80. 06
119. 0-120. 0	0. 20	625. 74	0. 02	78. 91	166. 0-167. 0	0. 12	634. 99	0. 02	80. 07
120. 0-121. 0	0. 20	625. 94	0. 02	78. 93	167. 0-168. 0	0. 11	635. 10	0. 01	80. 09
121. 0-122. 0	0. 20	626. 14	0. 03	78. 96	168. 0-169. 0	0. 10	635. 20	0. 01	80. 10
122. 0-123. 0	0. 20	626. 34	0. 03	78. 98	169. 0-170. 0	0. 10	635. 30	0. 01	80. 11
123. 0-124. 0	0. 20	626. 54	0. 03	79. 01	170. 0-171. 0	0. 09	635. 39	0. 01	80. 12
124. 0-125. 0	0. 20	626. 74	0. 03	79. 03	171. 0-172. 0	0. 08	635. 47	0. 01	80. 13
125. 0-126. 0	0. 20	626. 95	0. 03	79. 06	172. 0-173. 0	0. 07	635. 54	0. 01	80. 14
126. 0-127. 0	0. 21	627. 15	0. 03	79. 09	173. 0-174. 0	0. 06	635. 60	0. 01	80. 15
127. 0-128. 0	0. 21	627. 36	0. 03	79. 11	174. 0-175. 0	0. 05	635. 65	0. 01	80. 16
128. 0-129. 0	0. 21	627. 57	0. 03	79. 14	175. 0-176. 0	0. 04	635. 69	0. 01	80. 16
129. 0-130. 0	0. 21	627. 78	0. 03	79. 17	176. 0-177. 0	0. 03	635. 72	0. 00	80. 17
130. 0-131. 0	0. 21	627. 99	0. 03	79. 19	177. 0-178. 0	0. 02	635. 75	0. 00	80. 17
131. 0-132. 0	0. 21	628. 21	0. 03	79. 22	178. 0-179. 0	0. 01	635. 76	0. 00	80. 17
132. 0-133. 0	0. 22	628. 42	0. 03	79. 25	179. 0-180. 0	0. 00	635. 77	0. 00	80. 17
133. 0-134. 0	0. 22	628. 64	0. 03	79. 27					
134. 0-135. 0	0. 22	628. 86	0. 03	79. 30					
135. 0-136. 0	0. 22	629. 08	0. 03	79. 33					
136. 0-137. 0	0. 22	629. 30	0. 03	79. 36					
137. 0-138. 0	0. 22	629. 52	0. 03	79. 38					
138. 0-139. 0	0. 22	629. 74	0. 03	79. 41					
139. 0-140. 0	0. 22	629. 96	0. 03	79. 44					
140. 0-141. 0	0. 22	630. 18	0. 03	79. 47					

Rectangle ISO Lighting Intensity Diagram

Lum. Name:MD12-09-XX-01 RA90 60D 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

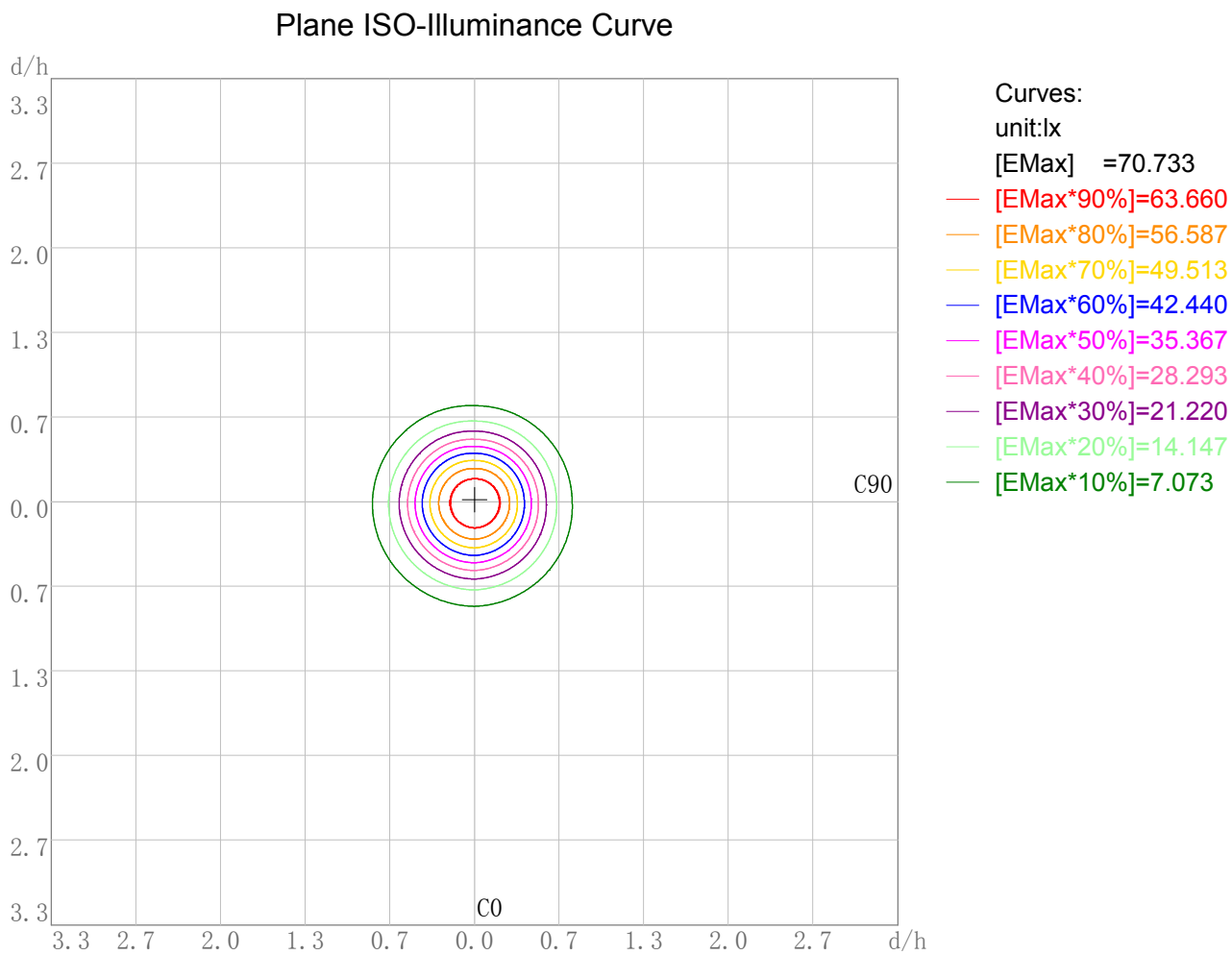


Maximum Light Intensity(cd): 636.89

Maximum Cand.@Angle: H=-1.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 60D 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

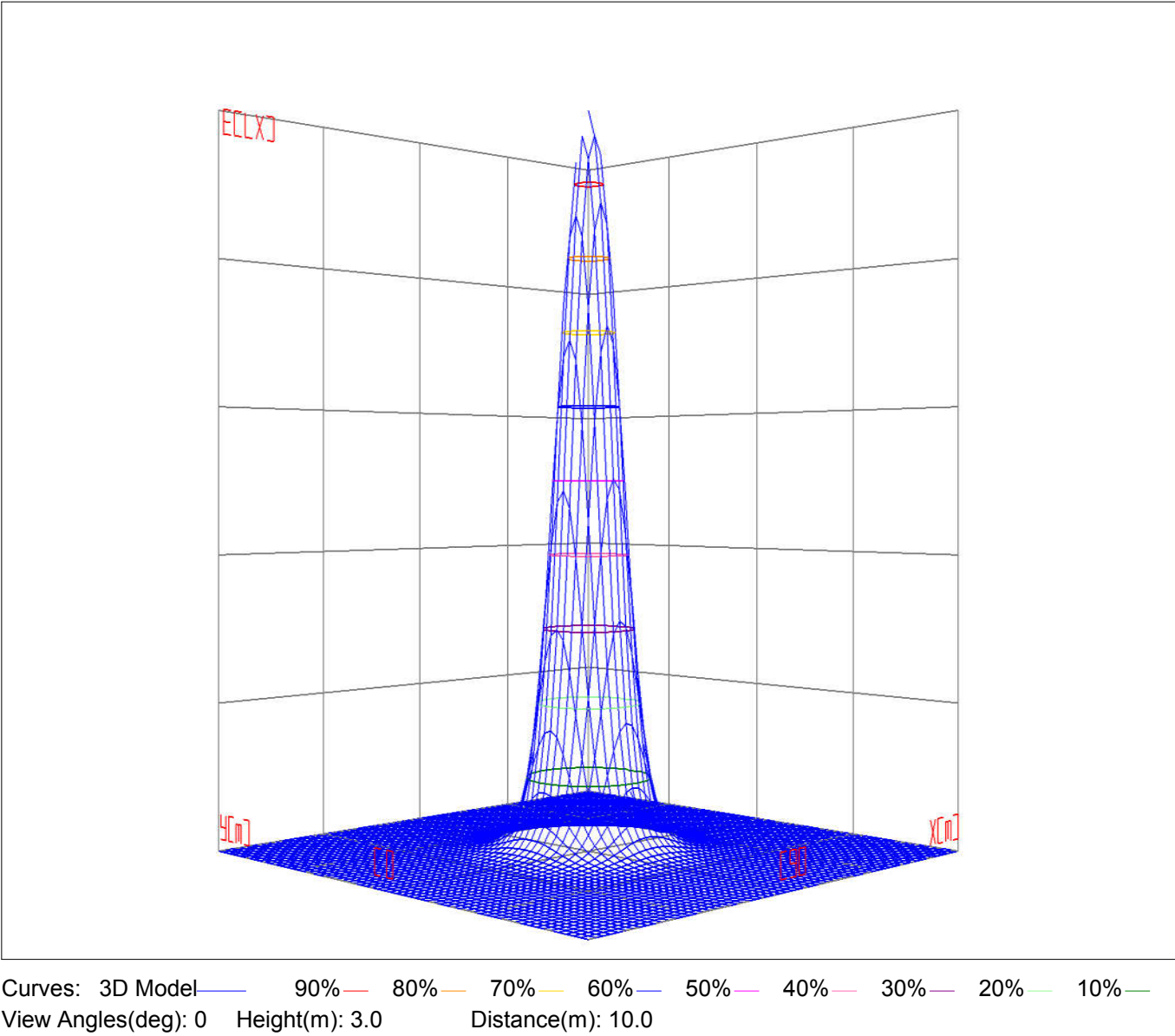


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 70.73
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

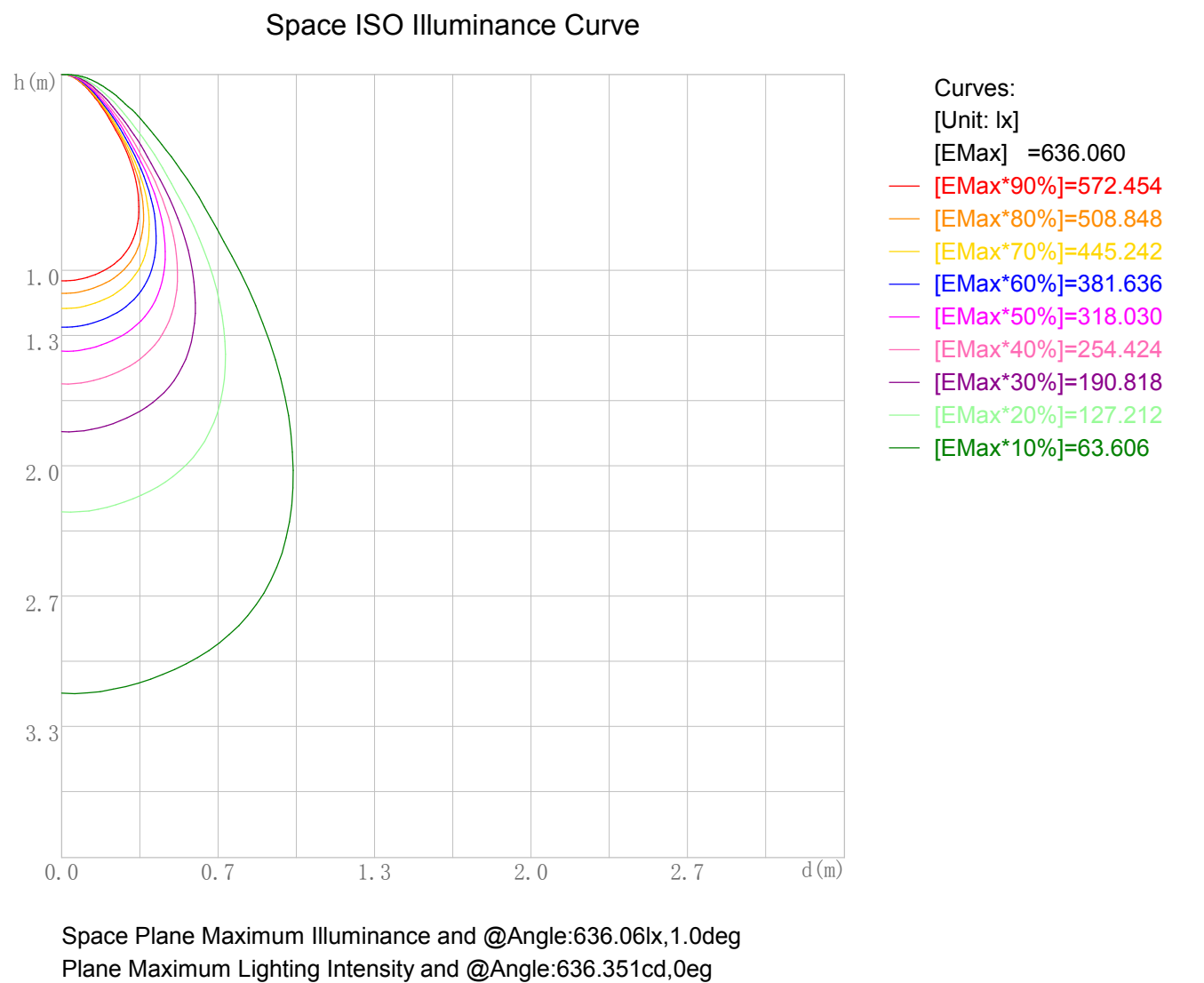
Lum. Name:MD12-09-XX-01 RA90 60D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16

3D Plane Illuminance Modal



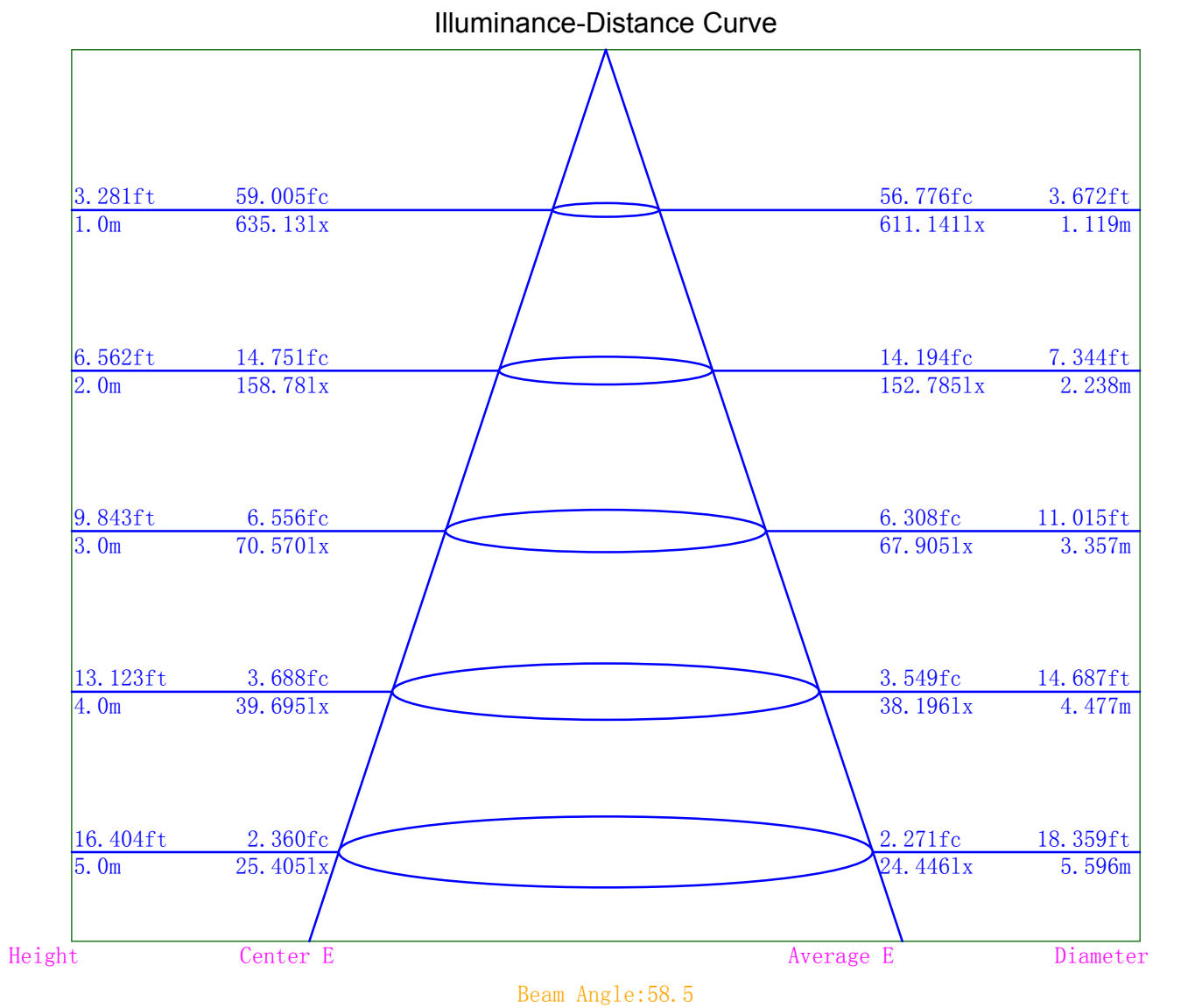
Space ISO Illuminance Diagram

Lum. Name:MD12-09-XX-01 RA90 60D 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



Illuminance-Distance Diagram

Lum. Name:MD12-09-XX-01 RA90 60D 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 60D 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

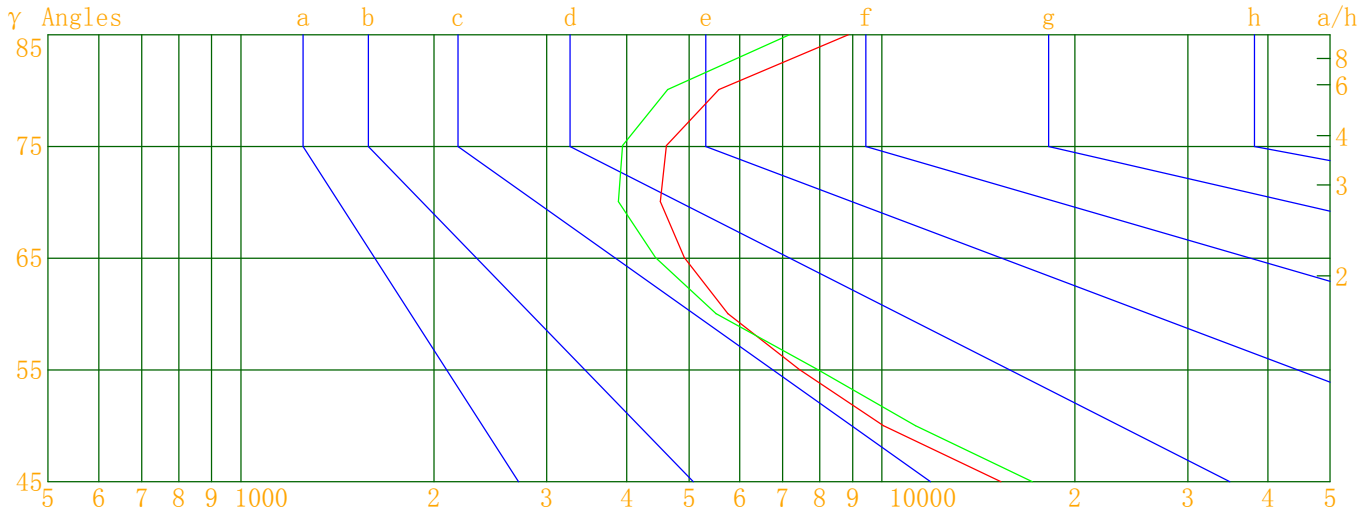
Glare Grade Table

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	15336	10053	7439	5747	4916	4509	4613	5568	8855
C90	17161	11279	7943	5509	4432	3882	3940	4632	7172

Luminance Limiting Curve



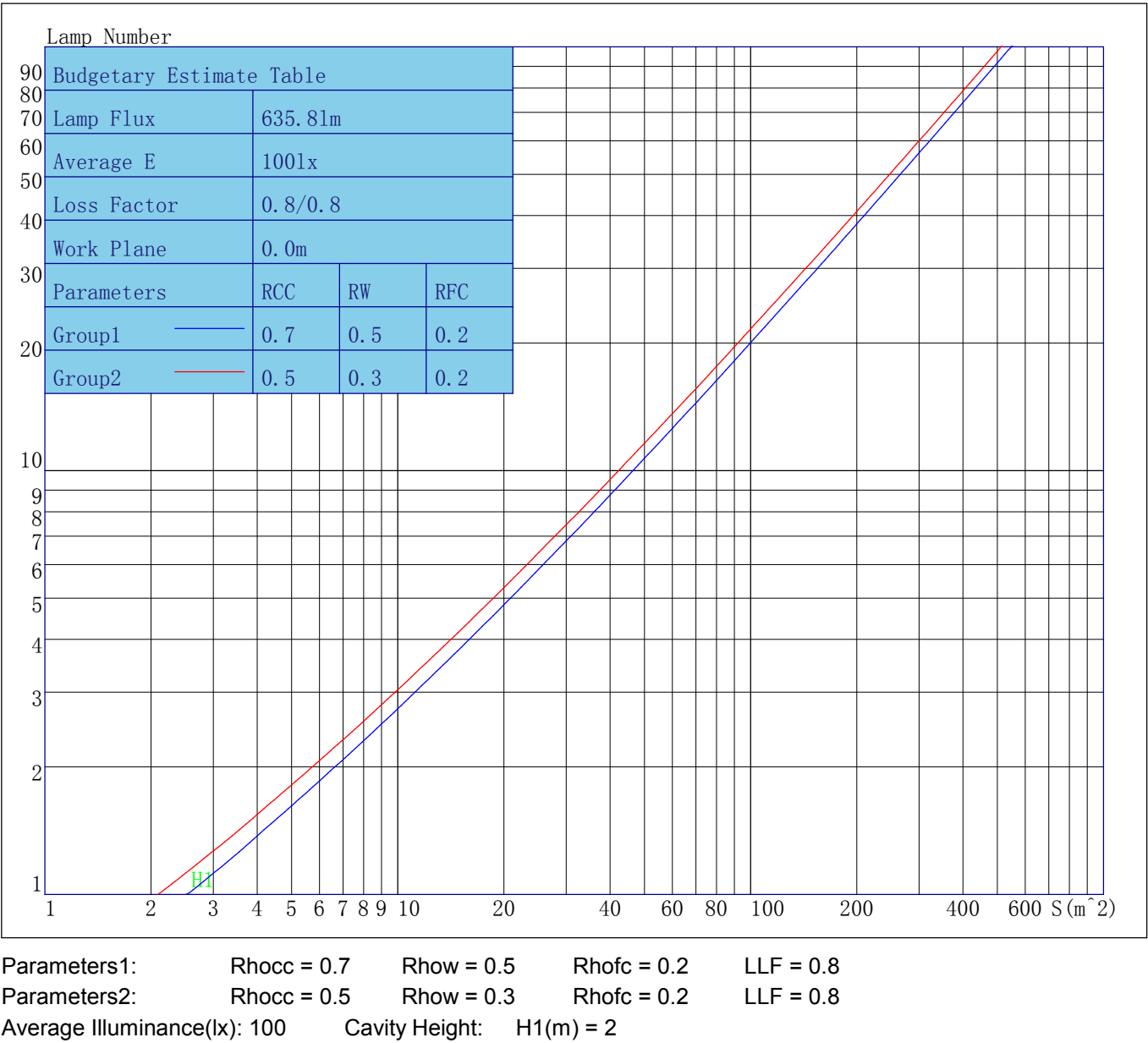
Luminous Size:Length(m)=0.050Width(m)=0.050Height(m)=0.045Area(m^2)=0.004750

Luminous Type:Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name:MD12-09-XX-01 RA90 60D 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 Coefficient of Utilization Table

Lum. Name:MD12-09-XX-01 RA90 60D 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

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	90	87	85	83	88	85	83	82	82	80	79	78	77	76	75	74	73	72
2	85	81	77	74	83	79	76	73	76	73	71	73	71	69	71	69	67	66
3	80	74	70	67	78	73	69	66	71	67	65	68	66	63	66	64	62	61
4	76	69	64	61	74	68	64	60	66	62	59	64	61	58	62	60	57	56
5	72	64	59	56	70	63	59	55	62	58	55	60	57	54	59	56	53	52
6	68	60	55	51	66	59	55	51	58	54	50	57	53	50	55	52	49	48
7	64	56	51	48	63	56	51	47	54	50	47	53	49	47	52	49	46	45
8	61	53	48	44	60	52	47	44	51	47	44	50	46	43	49	46	43	42
9	58	50	45	41	57	49	44	41	48	44	41	47	44	41	47	43	40	39
10	55	47	42	39	54	46	42	39	46	41	38	45	41	38	44	41	38	37

Unified Glare Rating Table

Lum. Name: MD12-09-XX-01 RA90 60D 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

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	18.9	19.5	19.3	19.9	20.3	19.3	19.9	19.7	20.3	20.7
	19.1	19.6	19.5	19.9	20.4	19.4	19.9	19.8	20.2	20.7
	19.2	19.6	19.7	20.0	20.5	19.4	19.8	19.9	20.2	20.7
	19.4	19.7	19.9	20.1	20.6	19.5	19.8	20.0	20.3	20.7
	19.5	19.8	20.0	20.2	20.7	19.6	19.9	20.1	20.3	20.8
	19.7	19.9	20.2	20.3	20.8	19.7	19.9	20.2	20.4	20.9
X=4H Y=2H	18.9	19.3	19.3	19.7	20.1	19.2	19.6	19.7	20.0	20.5
	19.2	19.4	19.7	19.9	20.3	19.4	19.6	19.9	20.1	20.6
	19.4	19.5	19.9	20.0	20.5	19.6	19.7	20.1	20.2	20.7
	19.8	19.8	20.3	20.3	20.8	19.8	19.8	20.4	20.3	20.9
	20.0	19.9	20.5	20.4	21.0	19.9	19.9	20.5	20.4	20.9
	20.3	20.1	20.8	20.7	21.2	20.1	20.0	20.7	20.5	21.1
X=8H Y=4H	19.5	19.4	20.0	19.9	20.5	19.6	19.5	20.1	20.0	20.6
	20.0	19.8	20.6	20.4	20.8	20.0	19.8	20.6	20.3	20.8
	20.3	20.1	21.0	20.7	21.3	20.2	20.0	20.9	20.6	21.1
	20.8	20.5	21.4	21.1	21.8	20.6	20.3	21.2	20.8	21.5
X=12H Y=4H	19.4	19.3	20.0	19.9	20.4	19.6	19.4	20.1	20.0	20.5
	20.0	19.8	20.6	20.3	20.9	20.0	19.7	20.6	20.3	20.9
	20.5	20.2	21.1	20.7	21.4	20.3	20.0	20.9	20.6	21.3
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					0.3/-0.3				
S=2.0H	0.5/-0.4					0.6/-0.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.5					1.2				

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	635.13	635.13	635.13	635.13
γ 1.0	636.35	631.98	636.89	632.61
γ 2.0	635.58	631.02	635.91	632.17
γ 3.0	634.68	630.44	635.17	631.14
γ 4.0	631.82	628.40	633.85	628.97
γ 5.0	628.66	626.93	631.95	626.25
γ 6.0	624.92	624.47	630.08	623.76
γ 7.0	620.40	622.46	627.12	621.59
γ 8.0	615.05	620.15	624.44	618.26
γ 9.0	609.72	617.12	621.02	614.78
γ 10.0	603.18	611.34	617.03	609.99
γ 11.0	596.66	606.55	612.97	605.49
γ 12.0	588.89	600.77	607.46	599.58
γ 13.0	579.83	592.67	602.78	593.62
γ 14.0	569.78	583.26	596.67	587.33
γ 15.0	559.42	572.69	588.74	578.59
γ 16.0	547.06	560.75	580.37	569.76
γ 17.0	533.44	547.57	570.98	560.09
γ 18.0	518.98	532.95	560.20	548.64
γ 19.0	502.50	517.49	548.84	536.52
γ 20.0	485.61	499.36	535.41	523.36
γ 21.0	467.03	480.75	520.20	507.60
γ 22.0	446.71	461.26	503.83	491.46
γ 23.0	425.62	439.80	486.63	472.85
γ 24.0	404.14	417.98	467.30	452.24
γ 25.0	381.30	395.53	447.72	431.61
γ 26.0	357.92	372.11	426.57	409.78
γ 27.0	334.42	348.14	405.38	387.65
γ 28.0	311.25	323.89	383.17	364.57
γ 29.0	288.73	299.66	359.93	340.80
γ 30.0	265.70	276.25	336.56	317.71
γ 31.0	243.44	253.13	313.07	294.20
γ 32.0	221.58	232.09	289.75	271.27
γ 33.0	200.29	211.26	267.08	248.73
γ 34.0	179.94	190.63	245.04	227.08
γ 35.0	161.44	171.10	224.19	205.98
γ 36.0	144.19	152.94	203.20	185.66
γ 37.0	127.81	135.93	182.35	166.68
γ 38.0	112.26	120.68	162.35	148.72
γ 39.0	98.53	107.50	144.94	131.49
γ 40.0	87.90	96.54	129.79	115.70
γ 41.0	78.63	86.83	116.90	102.39
γ 42.0	70.53	78.32	105.57	91.51
γ 43.0	63.94	70.61	95.39	82.31
γ 44.0	57.40	63.74	86.10	74.16
γ 45.0	51.51	57.64	77.95	66.59
γ 46.0	46.04	51.96	70.58	59.95

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	41.56	46.78	63.72	53.59
γ 48.0	37.58	42.17	57.28	48.19
γ 49.0	33.86	38.08	51.51	43.47
γ 50.0	30.69	34.44	46.47	39.19
γ 51.0	28.05	31.24	41.99	35.18
γ 52.0	25.66	28.30	37.98	31.94
γ 53.0	23.63	25.81	34.21	29.06
γ 54.0	21.85	23.56	30.93	26.36
γ 55.0	20.27	21.64	28.13	24.28
γ 56.0	18.80	19.93	25.60	22.35
γ 57.0	17.50	18.25	23.31	20.54
γ 58.0	16.36	16.69	21.17	18.97
γ 59.0	15.18	14.80	19.32	17.60
γ 60.0	13.65	13.08	17.38	16.43
γ 61.0	12.53	11.77	15.21	14.92
γ 62.0	11.74	10.89	13.37	13.44
γ 63.0	11.07	10.19	12.05	12.38
γ 64.0	10.45	9.51	11.13	11.58
γ 65.0	9.87	8.90	10.39	10.89
γ 66.0	9.30	8.30	9.70	10.27
γ 67.0	8.78	7.74	9.09	9.69
γ 68.0	8.27	7.22	8.49	9.15
γ 69.0	7.79	6.74	7.93	8.64
γ 70.0	7.33	6.31	7.42	8.16
γ 71.0	6.91	5.93	6.96	7.69
γ 72.0	6.54	5.61	6.56	7.26
γ 73.0	6.22	5.33	6.20	6.90
γ 74.0	5.92	5.07	5.90	6.56
γ 75.0	5.67	4.84	5.62	6.26
γ 76.0	5.43	4.61	5.36	5.98
γ 77.0	5.20	4.40	5.13	5.73
γ 78.0	5.00	4.19	4.91	5.49
γ 79.0	4.79	4.00	4.69	5.26
γ 80.0	4.59	3.82	4.48	5.06
γ 81.0	4.41	3.66	4.29	4.86
γ 82.0	4.22	3.50	4.09	4.67
γ 83.0	4.05	3.34	3.92	4.48
γ 84.0	3.87	3.17	3.76	4.31
γ 85.0	3.67	2.97	3.59	4.13
γ 86.0	3.44	2.76	3.41	3.96
γ 87.0	3.22	2.58	3.18	3.76
γ 88.0	3.01	2.38	2.95	3.52
γ 89.0	2.86	2.28	2.74	3.29
γ 90.0	2.79	2.22	2.57	3.08
γ 91.0	2.72	2.17	2.46	2.95
γ 92.0	2.66	2.12	2.39	2.88
γ 93.0	2.59	2.08	2.35	2.80

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.55	2.04	2.29	2.74
γ 95.0	2.49	1.99	2.24	2.68
γ 96.0	2.45	1.95	2.20	2.63
γ 97.0	2.40	1.91	2.15	2.58
γ 98.0	2.36	1.88	2.11	2.53
γ 99.0	2.32	1.85	2.08	2.48
γ 100.0	2.28	1.83	2.04	2.43
γ 101.0	2.23	1.80	2.01	2.38
γ 102.0	2.21	1.77	1.98	2.35
γ 103.0	2.17	1.75	1.95	2.32
γ 104.0	2.16	1.73	1.92	2.29
γ 105.0	2.13	1.72	1.90	2.26
γ 106.0	2.11	1.70	1.88	2.22
γ 107.0	2.09	1.70	1.87	2.21
γ 108.0	2.08	1.69	1.86	2.19
γ 109.0	2.08	1.69	1.85	2.17
γ 110.0	2.07	1.68	1.85	2.16
γ 111.0	2.06	1.69	1.84	2.15
γ 112.0	2.06	1.69	1.84	2.14
γ 113.0	2.08	1.71	1.85	2.14
γ 114.0	2.09	1.71	1.86	2.14
γ 115.0	2.09	1.74	1.87	2.15
γ 116.0	2.11	1.76	1.88	2.16
γ 117.0	2.12	1.78	1.90	2.17
γ 118.0	2.15	1.81	1.92	2.19
γ 119.0	2.18	1.84	1.95	2.21
γ 120.0	2.21	1.87	1.98	2.24
γ 121.0	2.24	1.91	2.01	2.27
γ 122.0	2.28	1.96	2.04	2.30
γ 123.0	2.32	1.98	2.08	2.33
γ 124.0	2.36	2.04	2.12	2.36
γ 125.0	2.40	2.08	2.16	2.40
γ 126.0	2.45	2.14	2.21	2.45
γ 127.0	2.50	2.19	2.27	2.49
γ 128.0	2.54	2.25	2.32	2.54
γ 129.0	2.60	2.30	2.37	2.59
γ 130.0	2.66	2.36	2.42	2.64
γ 131.0	2.71	2.41	2.49	2.69
γ 132.0	2.78	2.48	2.55	2.74
γ 133.0	2.83	2.54	2.60	2.80
γ 134.0	2.89	2.61	2.67	2.86
γ 135.0	2.96	2.67	2.74	2.92
γ 136.0	3.02	2.73	2.80	2.97
γ 137.0	3.08	2.80	2.87	3.03
γ 138.0	3.14	2.87	2.93	3.10
γ 139.0	3.20	2.94	3.01	3.16
γ 140.0	3.27	3.01	3.07	3.22

Photometric Filename:MD12-09-XX-01 RA90 60D 3000K.IES

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	3.34	3.07	3.14	3.29
γ 142.0	3.40	3.14	3.21	3.35
γ 143.0	3.47	3.20	3.28	3.41
γ 144.0	3.53	3.28	3.35	3.47
γ 145.0	3.60	3.34	3.42	3.53
γ 146.0	3.67	3.41	3.49	3.60
γ 147.0	3.73	3.47	3.56	3.66
γ 148.0	3.79	3.54	3.62	3.73
γ 149.0	3.84	3.60	3.68	3.78
γ 150.0	3.90	3.66	3.76	3.84
γ 151.0	3.96	3.72	3.82	3.90
γ 152.0	4.03	3.80	3.88	3.95
γ 153.0	4.07	3.85	3.94	4.01
γ 154.0	4.13	3.90	4.00	4.06
γ 155.0	4.18	3.96	4.05	4.11
γ 156.0	4.24	4.01	4.11	4.17
γ 157.0	4.29	4.07	4.16	4.22
γ 158.0	4.34	4.13	4.22	4.26
γ 159.0	4.40	4.17	4.27	4.32
γ 160.0	4.46	4.22	4.32	4.36
γ 161.0	4.50	4.29	4.38	4.41
γ 162.0	4.55	4.34	4.42	4.46
γ 163.0	4.59	4.40	4.48	4.50
γ 164.0	4.63	4.45	4.53	4.54
γ 165.0	4.68	4.50	4.58	4.59
γ 166.0	4.72	4.55	4.61	4.63
γ 167.0	4.75	4.60	4.68	4.68
γ 168.0	4.80	4.64	4.72	4.71
γ 169.0	4.84	4.70	4.76	4.74
γ 170.0	4.87	4.73	4.80	4.77
γ 171.0	4.91	4.76	4.84	4.81
γ 172.0	4.93	4.80	4.87	4.85
γ 173.0	4.96	4.83	4.91	4.88
γ 174.0	4.98	4.87	4.93	4.90
γ 175.0	5.00	4.89	4.96	4.92
γ 176.0	5.02	4.91	4.99	4.94
γ 177.0	5.04	4.93	5.01	4.95
γ 178.0	5.03	4.93	5.03	4.98
γ 179.0	5.04	4.94	5.05	4.99
γ 180.0	5.02	5.02	5.02	5.02