

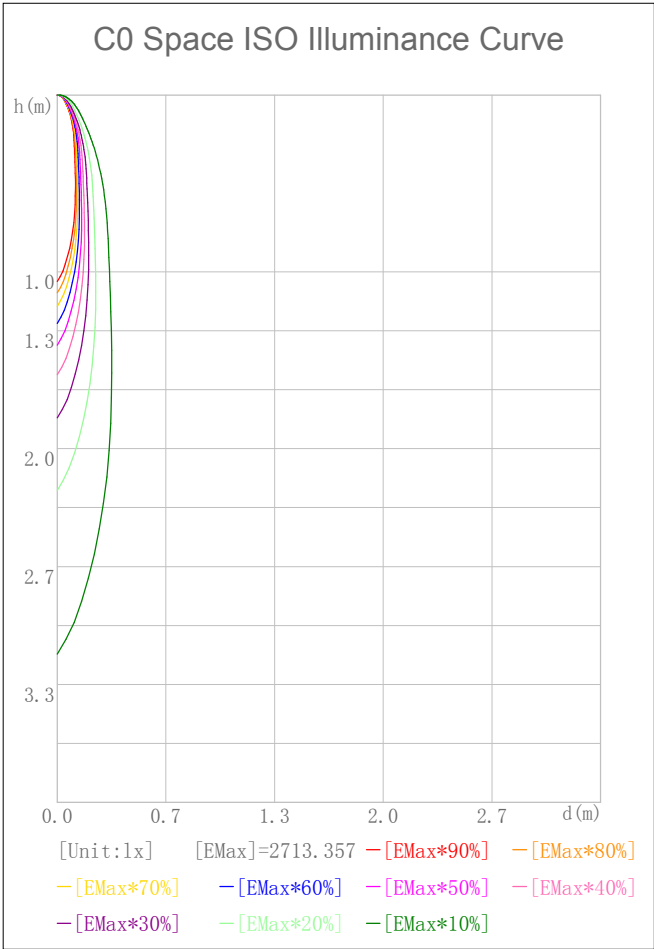
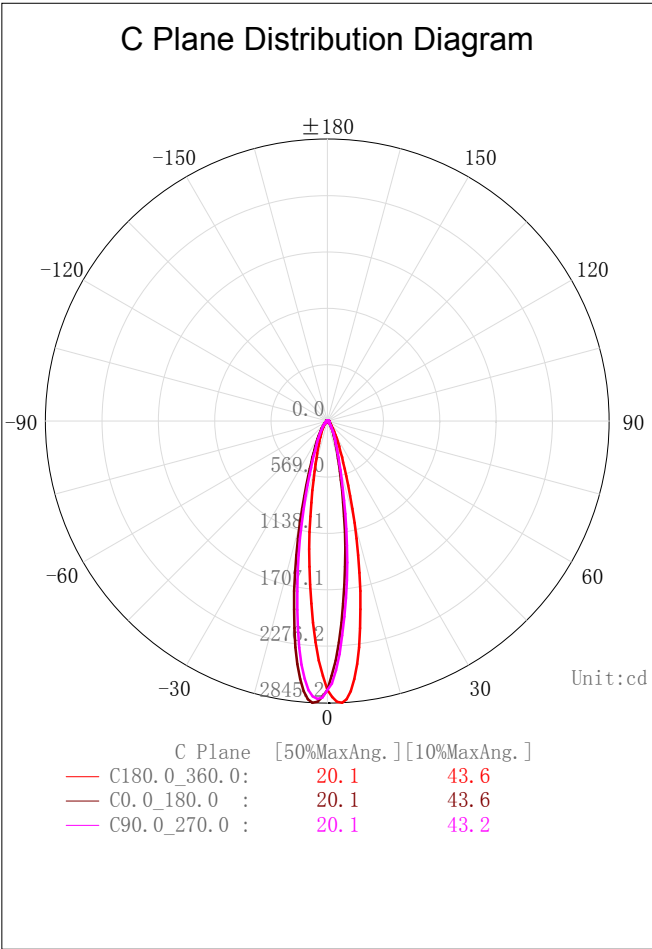
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD12-09-XX-01 RA90 2700K 15D		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

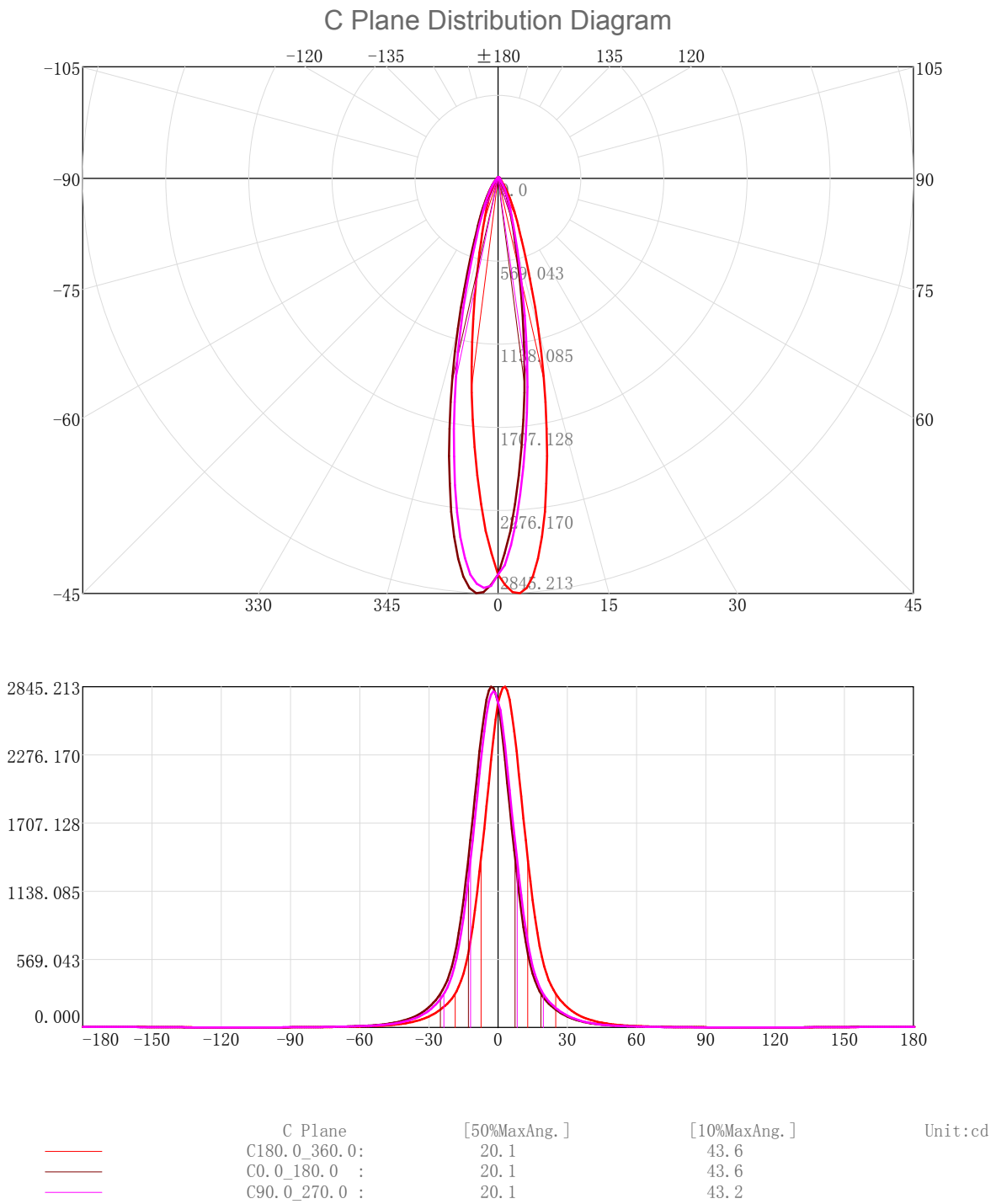
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 785.000	Luminary Flux(lm): 628.323	Field Angle(10%Imax): 43.6(°)	
Rated Power(W):	Luminary Efficiency: 80.04%	Down Lumens&Percent: 606.620lm 96.55%	
Rated Voltage(V):	Luminary EER(lm/W): 69.283	Up Lumens&Percent: 21.703lm 3.45%	
Tested Power(W): 9.069	Max. Candela(cd): 2845.213	S/MH: C0_a180=0.355 C90_270=0.352	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=3.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):240.4, 0.041, 0.913		ErP Φuse(90°): 574.026lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 1208.416	
		Left=-7.3°, Right=12.8°	



2D Plane Light Intensity Distribution Curve

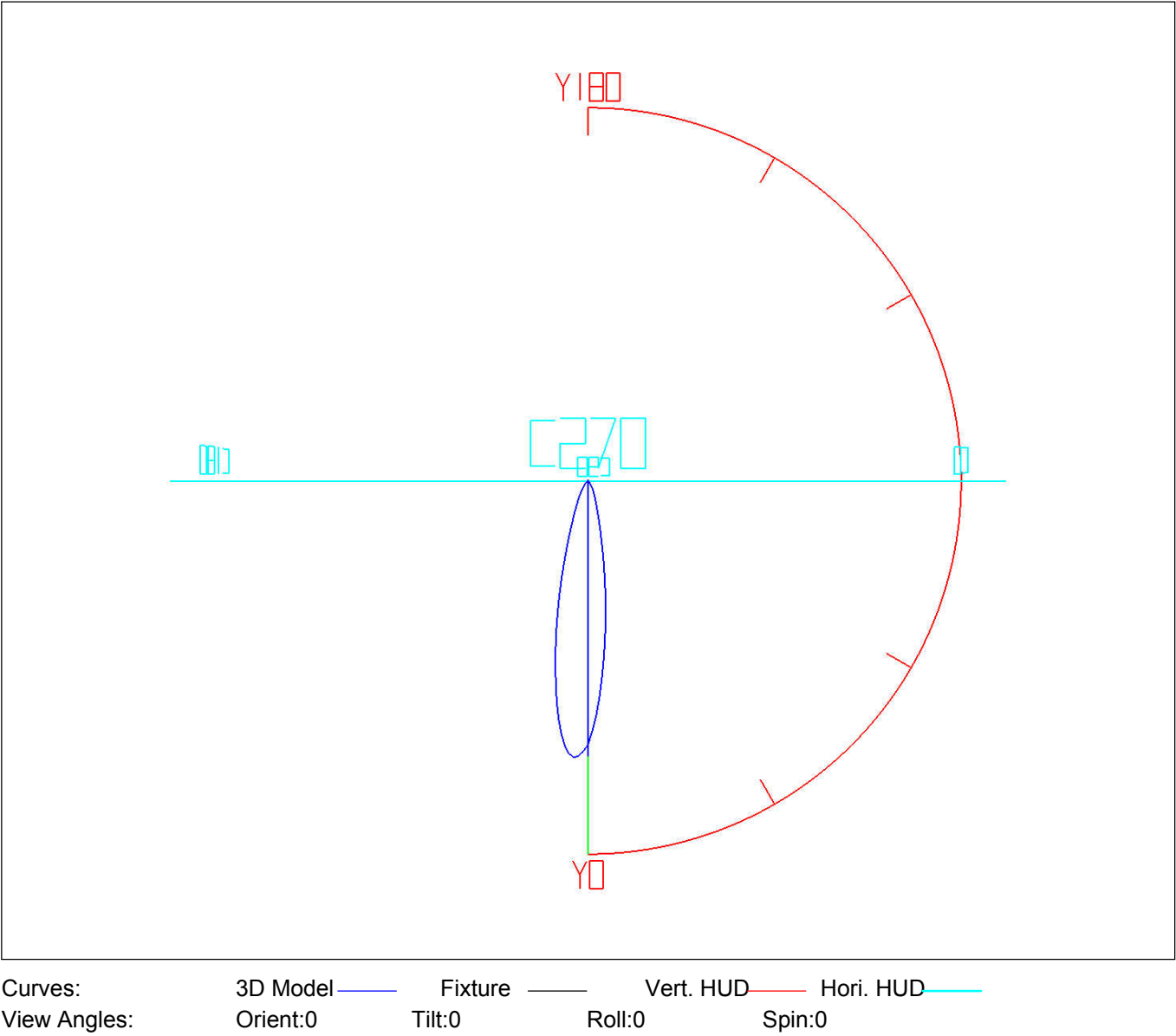
Lum. Name:MD12-09-XX-01 RA90 2700K 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/24



3D Light Intensity Distribution Modal

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

3D Light Intensity Distribution Modal



Photometric Filename:MD12-09-XX-01 RA90 2700K 15D.IES

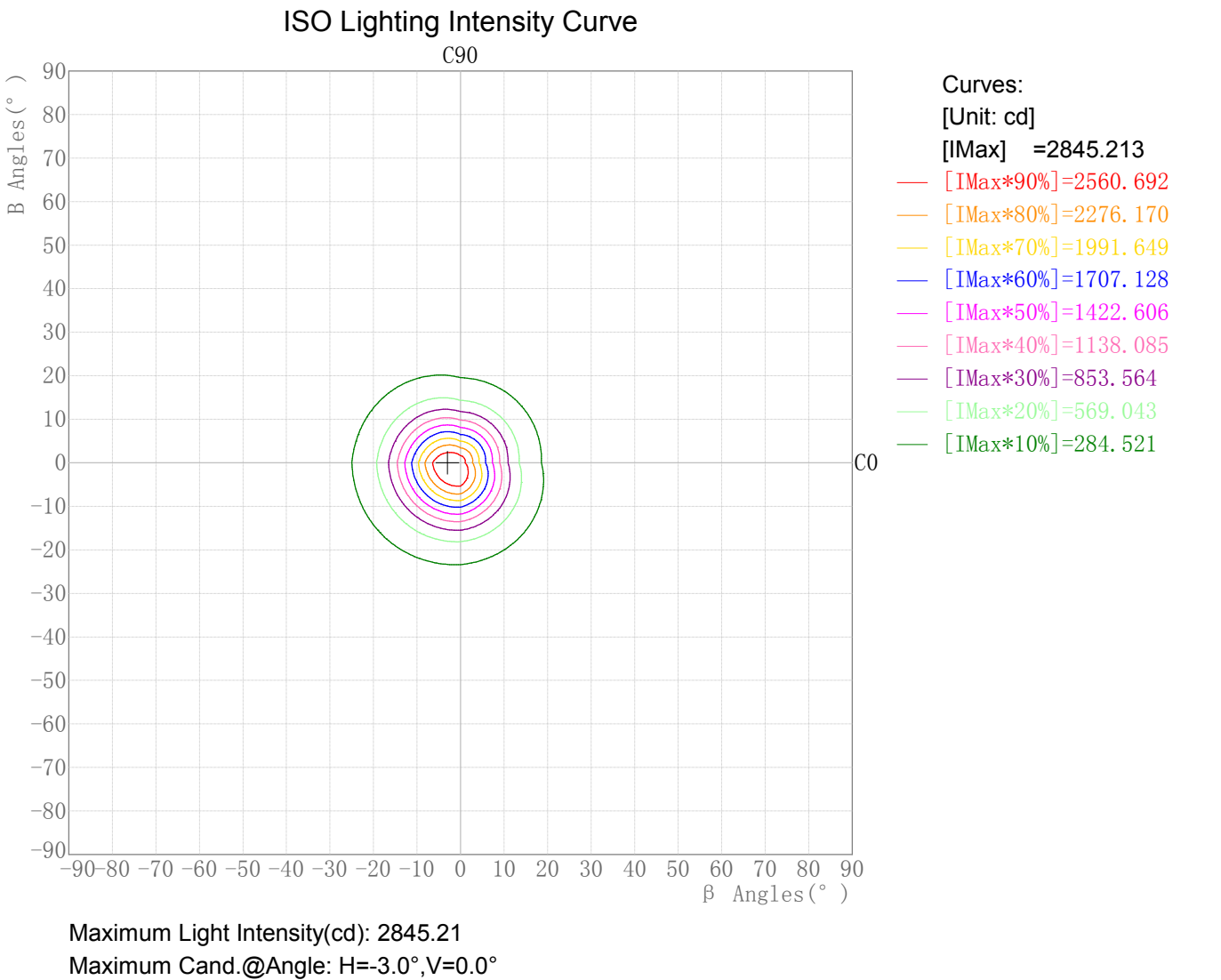
Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.59	2.59	0.33	0.33	47.0-48.0	2.08	569.91	0.26	72.60
1.0-2.0	7.67	10.26	0.98	1.31	48.0-49.0	1.95	571.86	0.25	72.85
2.0-3.0	12.43	22.69	1.58	2.89	49.0-50.0	1.83	573.69	0.23	73.08
3.0-4.0	16.70	39.39	2.13	5.02	50.0-51.0	1.73	575.42	0.22	73.30
4.0-5.0	20.35	59.74	2.59	7.61	51.0-52.0	1.64	577.06	0.21	73.51
5.0-6.0	23.29	83.02	2.97	10.58	52.0-53.0	1.55	578.61	0.20	73.71
6.0-7.0	25.48	108.50	3.25	13.82	53.0-54.0	1.48	580.09	0.19	73.90
7.0-8.0	26.92	135.43	3.43	17.25	54.0-55.0	1.41	581.50	0.18	74.08
8.0-9.0	27.61	163.04	3.52	20.77	55.0-56.0	1.35	582.85	0.17	74.25
9.0-10.0	27.63	190.67	3.52	24.29	56.0-57.0	1.29	584.14	0.16	74.41
10.0-11.0	27.14	217.81	3.46	27.75	57.0-58.0	1.24	585.37	0.16	74.57
11.0-12.0	26.22	244.03	3.34	31.09	58.0-59.0	1.18	586.56	0.15	74.72
12.0-13.0	24.96	268.99	3.18	34.27	59.0-60.0	1.13	587.69	0.14	74.86
13.0-14.0	23.45	292.44	2.99	37.25	60.0-61.0	1.08	588.77	0.14	75.00
14.0-15.0	21.82	314.26	2.78	40.03	61.0-62.0	1.04	589.81	0.13	75.14
15.0-16.0	20.13	334.39	2.56	42.60	62.0-63.0	1.00	590.81	0.13	75.26
16.0-17.0	18.48	352.87	2.35	44.95	63.0-64.0	0.95	591.76	0.12	75.38
17.0-18.0	16.93	369.79	2.16	47.11	64.0-65.0	0.91	592.67	0.12	75.50
18.0-19.0	15.53	385.32	1.98	49.09	65.0-66.0	0.87	593.54	0.11	75.61
19.0-20.0	14.29	399.61	1.82	50.91	66.0-67.0	0.83	594.37	0.11	75.72
20.0-21.0	13.21	412.82	1.68	52.59	67.0-68.0	0.80	595.17	0.10	75.82
21.0-22.0	12.26	425.09	1.56	54.15	68.0-69.0	0.76	595.93	0.10	75.91
22.0-23.0	11.44	436.53	1.46	55.61	69.0-70.0	0.73	596.66	0.09	76.01
23.0-24.0	10.70	447.23	1.36	56.97	70.0-71.0	0.70	597.36	0.09	76.10
24.0-25.0	10.03	457.26	1.28	58.25	71.0-72.0	0.67	598.02	0.08	76.18
25.0-26.0	9.39	466.66	1.20	59.45	72.0-73.0	0.64	598.66	0.08	76.26
26.0-27.0	8.80	475.46	1.12	60.57	73.0-74.0	0.61	599.27	0.08	76.34
27.0-28.0	8.24	483.70	1.05	61.62	74.0-75.0	0.58	599.85	0.07	76.41
28.0-29.0	7.72	491.41	0.98	62.60	75.0-76.0	0.56	600.40	0.07	76.48
29.0-30.0	7.21	498.63	0.92	63.52	76.0-77.0	0.53	600.94	0.07	76.55
30.0-31.0	6.73	505.36	0.86	64.38	77.0-78.0	0.51	601.45	0.07	76.62
31.0-32.0	6.28	511.64	0.80	65.18	78.0-79.0	0.50	601.95	0.06	76.68
32.0-33.0	5.85	517.49	0.75	65.92	79.0-80.0	0.48	602.43	0.06	76.74
33.0-34.0	5.46	522.95	0.70	66.62	80.0-81.0	0.47	602.90	0.06	76.80
34.0-35.0	5.09	528.04	0.65	67.27	81.0-82.0	0.46	603.36	0.06	76.86
35.0-36.0	4.73	532.77	0.60	67.87	82.0-83.0	0.45	603.80	0.06	76.92
36.0-37.0	4.41	537.18							

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	608. 37	0. 04	77. 50	141. 0-142. 0	0. 28	621. 19	0. 04	79. 13
95. 0-96. 0	0. 33	608. 71	0. 04	77. 54	142. 0-143. 0	0. 29	621. 47	0. 04	79. 17
96. 0-97. 0	0. 33	609. 03	0. 04	77. 58	143. 0-144. 0	0. 29	621. 76	0. 04	79. 21
97. 0-98. 0	0. 32	609. 36	0. 04	77. 62	144. 0-145. 0	0. 29	622. 05	0. 04	79. 24
98. 0-99. 0	0. 32	609. 67	0. 04	77. 67	145. 0-146. 0	0. 29	622. 35	0. 04	79. 28
99. 0-100. 0	0. 31	609. 99	0. 04	77. 71	146. 0-147. 0	0. 29	622. 64	0. 04	79. 32
100. 0-101. 0	0. 31	610. 29	0. 04	77. 74	147. 0-148. 0	0. 29	622. 93	0. 04	79. 35
101. 0-102. 0	0. 30	610. 60	0. 04	77. 78	148. 0-149. 0	0. 29	623. 22	0. 04	79. 39
102. 0-103. 0	0. 30	610. 90	0. 04	77. 82	149. 0-150. 0	0. 29	623. 51	0. 04	79. 43
103. 0-104. 0	0. 30	611. 20	0. 04	77. 86	150. 0-151. 0	0. 28	623. 79	0. 04	79. 46
104. 0-105. 0	0. 29	611. 49	0. 04	77. 90	151. 0-152. 0	0. 28	624. 07	0. 04	79. 50
105. 0-106. 0	0. 29	611. 78	0. 04	77. 93	152. 0-153. 0	0. 28	624. 35	0. 04	79. 53
106. 0-107. 0	0. 29	612. 06	0. 04	77. 97	153. 0-154. 0	0. 27	624. 62	0. 03	79. 57
107. 0-108. 0	0. 28	612. 35	0. 04	78. 01	154. 0-155. 0	0. 26	624. 88	0. 03	79. 60
108. 0-109. 0	0. 28	612. 63	0. 04	78. 04	155. 0-156. 0	0. 26	625. 14	0. 03	79. 64
109. 0-110. 0	0. 28	612. 90	0. 04	78. 08	156. 0-157. 0	0. 25	625. 39	0. 03	79. 67
110. 0-111. 0	0. 27	613. 18	0. 03	78. 11	157. 0-158. 0	0. 24	625. 63	0. 03	79. 70
111. 0-112. 0	0. 27	613. 45	0. 03	78. 15	158. 0-159. 0	0. 23	625. 86	0. 03	79. 73
112. 0-113. 0	0. 27	613. 72	0. 03	78. 18	159. 0-160. 0	0. 22	626. 08	0. 03	79. 76
113. 0-114. 0	0. 26	613. 98	0. 03	78. 21	160. 0-161. 0	0. 21	626. 30	0. 03	79. 78
114. 0-115. 0	0. 26	614. 24	0. 03	78. 25	161. 0-162. 0	0. 20	626. 50	0. 03	79. 81
115. 0-116. 0	0. 26	614. 50	0. 03	78. 28	162. 0-163. 0	0. 19	626. 70	0. 02	79. 83
116. 0-117. 0	0. 26	614. 76	0. 03	78. 31	163. 0-164. 0	0. 18	626. 88	0. 02	79. 86
117. 0-118. 0	0. 25	615. 01	0. 03	78. 35	164. 0-165. 0	0. 17	627. 05	0. 02	79. 88
118. 0-119. 0	0. 25	615. 27	0. 03	78. 38	165. 0-166. 0	0. 16	627. 22	0. 02	79. 90
119. 0-120. 0	0. 25	615. 52	0. 03	78. 41	166. 0-167. 0	0. 15	627. 37	0. 02	79. 92
120. 0-121. 0	0. 25	615. 77	0. 03	78. 44	167. 0-168. 0	0. 14	627. 51	0. 02	79. 94
121. 0-122. 0	0. 25	616. 01	0. 03	78. 47	168. 0-169. 0	0. 13	627. 64	0. 02	79. 95
122. 0-123. 0	0. 25	616. 26	0. 03	78. 50	169. 0-170. 0	0. 12	627. 76	0. 02	79. 97
123. 0-124. 0	0. 25	616. 51	0. 03	78. 54	170. 0-171. 0	0. 11	627. 87	0. 01	79. 98
124. 0-125. 0	0. 25	616. 75	0. 03	78. 57	171. 0-172. 0	0. 10	627. 96	0. 01	80. 00
125. 0-126. 0	0. 25	617. 00	0. 03	78. 60	172. 0-173. 0	0. 08	628. 05	0. 01	80. 01
126. 0-127. 0	0. 25	617. 25	0. 03	78. 63	173. 0-174. 0	0. 07	628. 12	0. 01	80. 02
127. 0-128. 0	0. 25	617. 49	0. 03	78. 66	174. 0-175. 0	0. 06	628. 18	0. 01	80. 02
128. 0-129. 0	0. 25	617. 74	0. 03	78. 69	175. 0-176. 0	0. 05	628. 23	0. 01	80. 03
129. 0-130. 0	0. 25	617. 99	0. 03	78. 72	176. 0-177. 0	0. 04	628. 27	0. 00	80. 03
130. 0-131. 0	0. 25	618. 24	0. 03	78. 76	177. 0-178. 0	0. 03	628. 30	0. 00	80. 04
131. 0-132. 0	0. 25	618. 49	0. 03	78. 79	178. 0-179. 0	0. 02	628. 32	0. 00	80. 04
132. 0-133. 0	0. 26	618. 75	0. 03	78. 82	179. 0-180. 0	0. 01	628. 32	0. 00	80. 04
133. 0-134. 0	0. 26	619. 01	0. 03	78. 85					
134. 0-135. 0	0. 26	619. 27	0. 03	78. 89					
135. 0-136. 0	0. 26	619. 53	0. 03	78. 92					
136. 0-137. 0	0. 27	619. 80	0. 03	78. 96					
137. 0-138. 0	0. 27	620. 07	0. 03	78. 99					
138. 0-139. 0	0. 27	620. 34	0. 03	79. 02					
139. 0-140. 0	0. 28	620. 62	0. 04	79. 06					
140. 0-141. 0	0. 28	620. 90	0. 04	79. 10					

Rectangle ISO Lighting Intensity Diagram

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

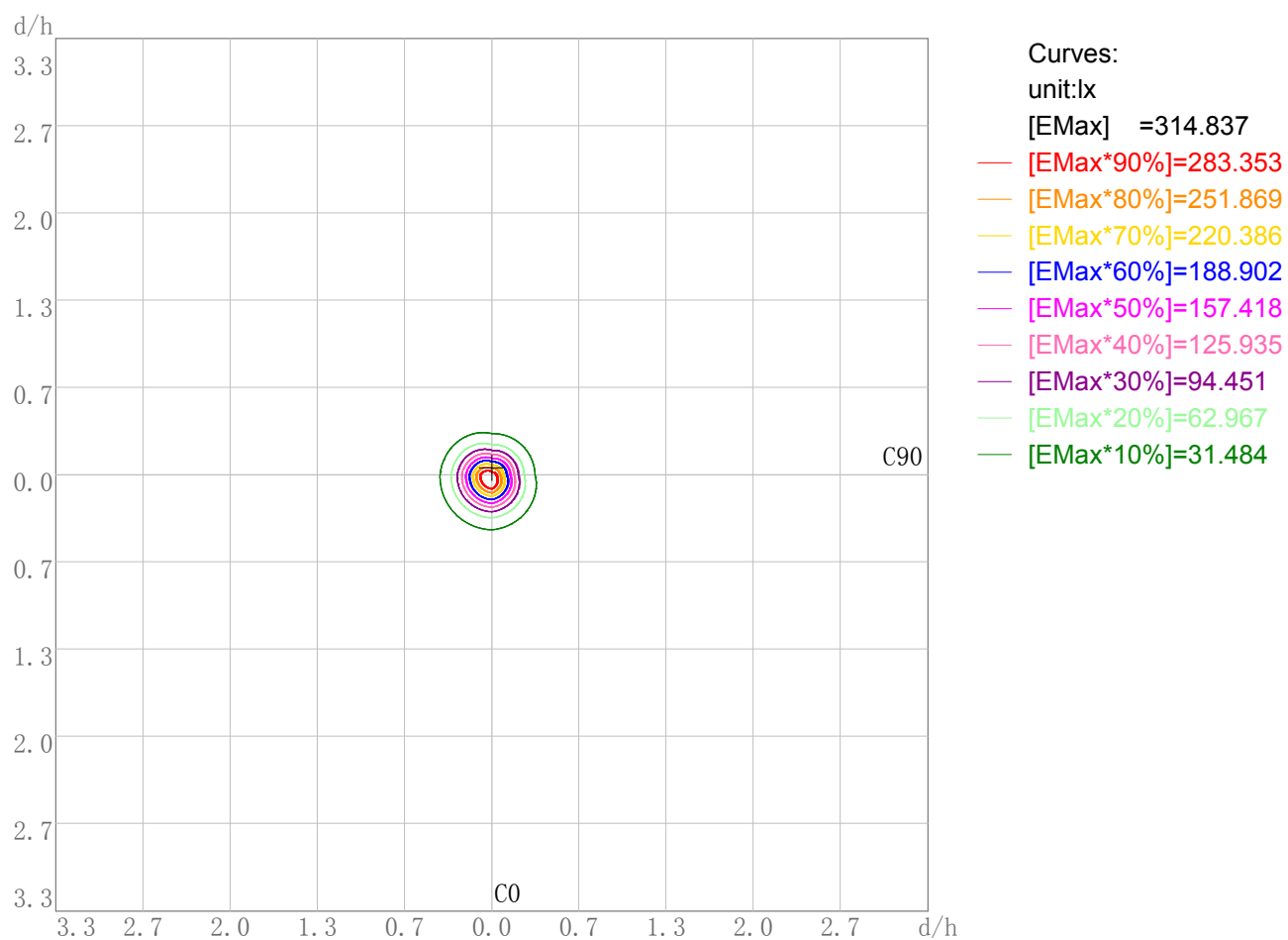


Photometric Filename:MD12-09-XX-01 RA90 2700K 15D.IES

Plane ISO-Illuminance Diagram

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

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

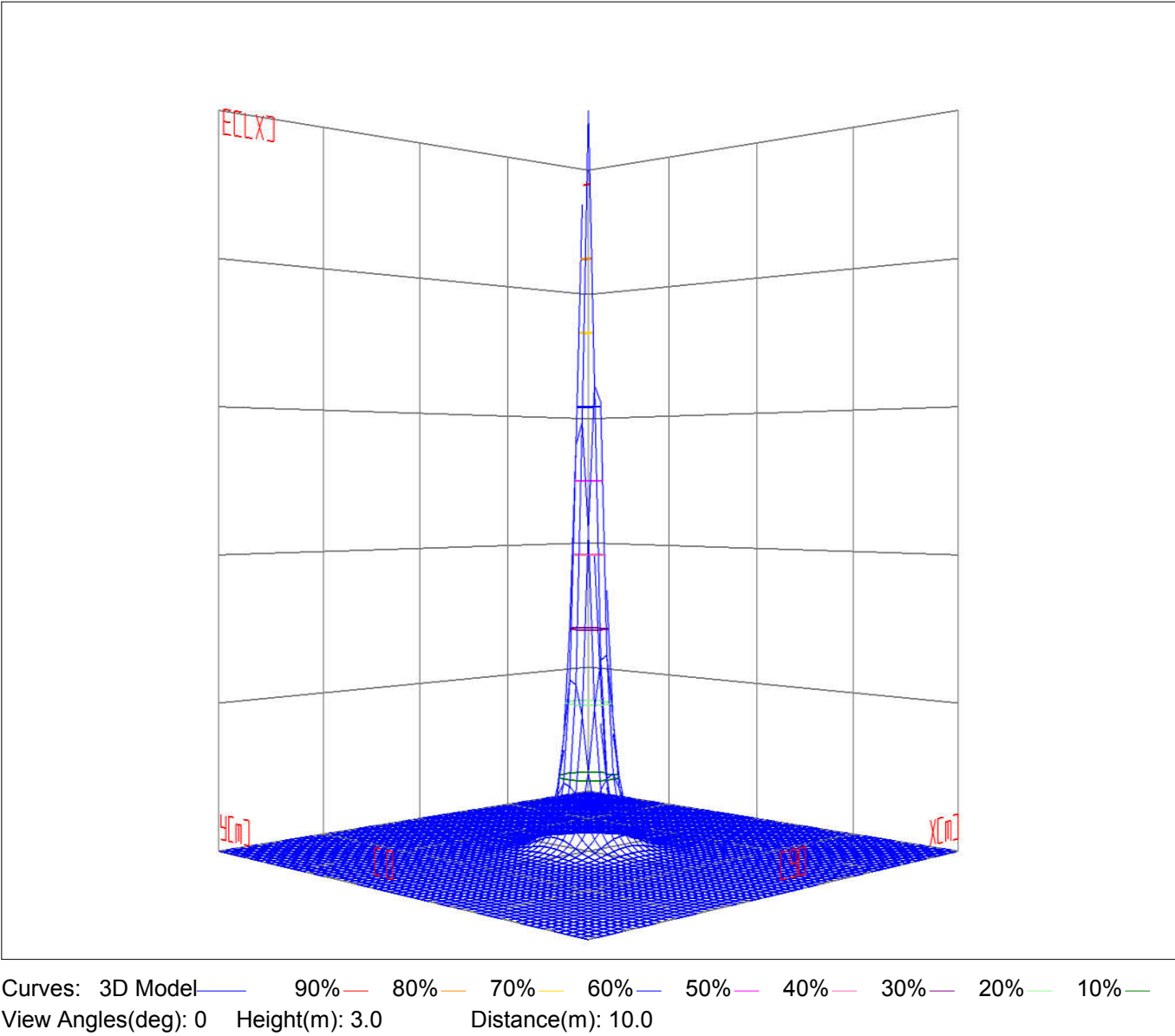
Working Plane Maximum Illuminance(lx): 314.84

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.1

3D Plane ISO Illuminance Diagram

Lum. Name: MD12-09-XX-01 RA90 2700K 15D	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

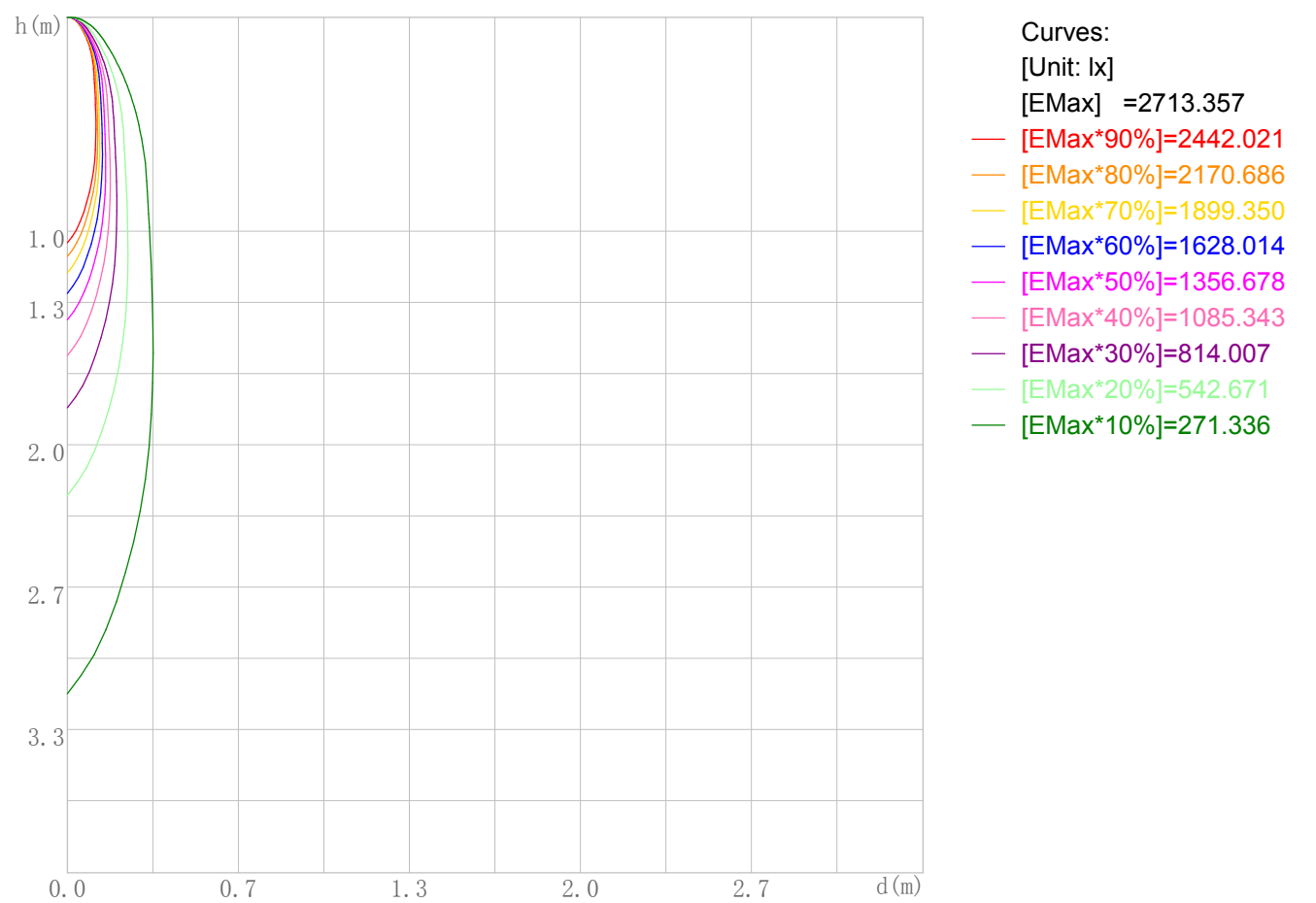
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

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

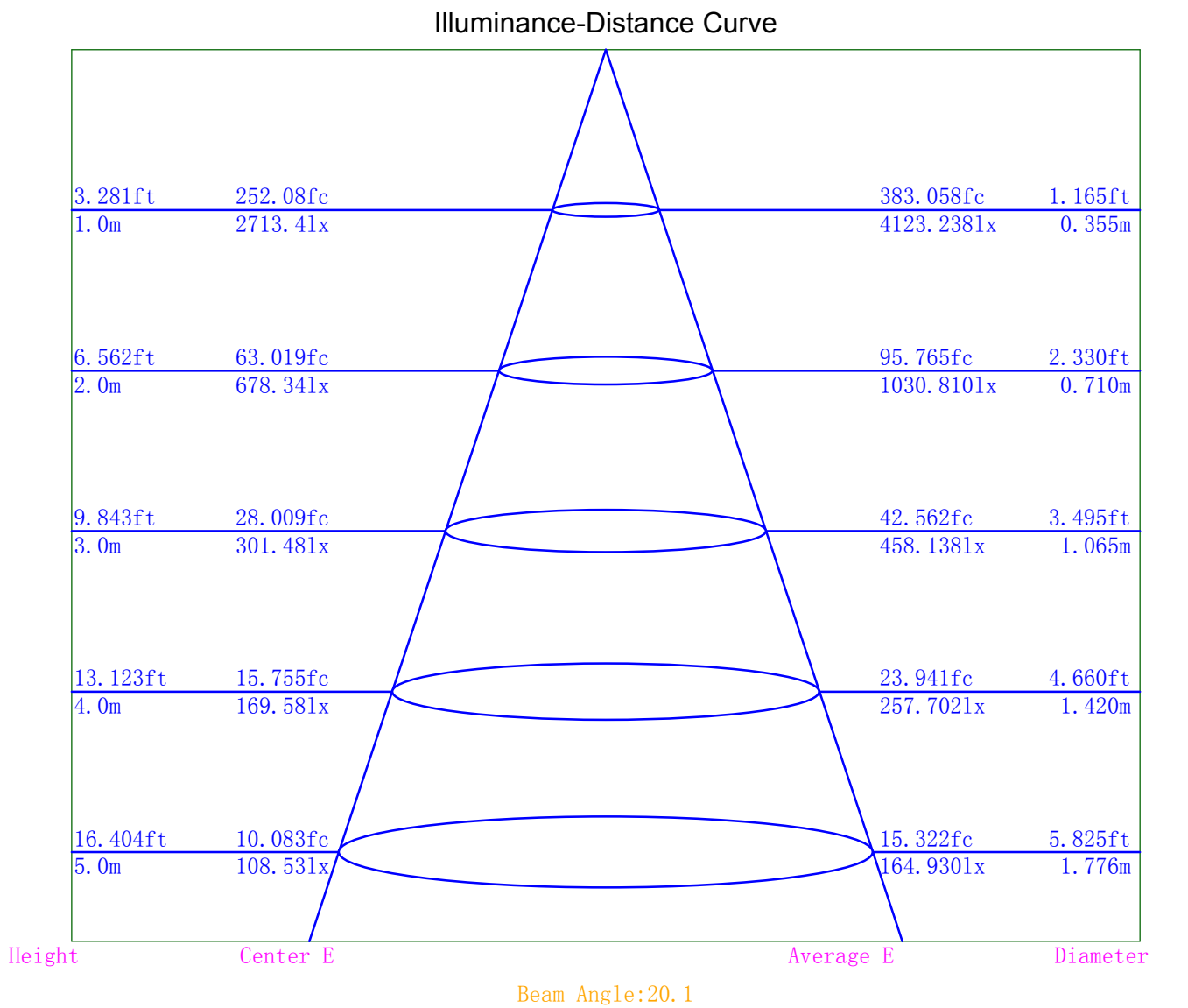
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2713.36lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:2713.357cd,0eg

Illuminance-Distance Diagram

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



Indoor Luminance Limiting Curves

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

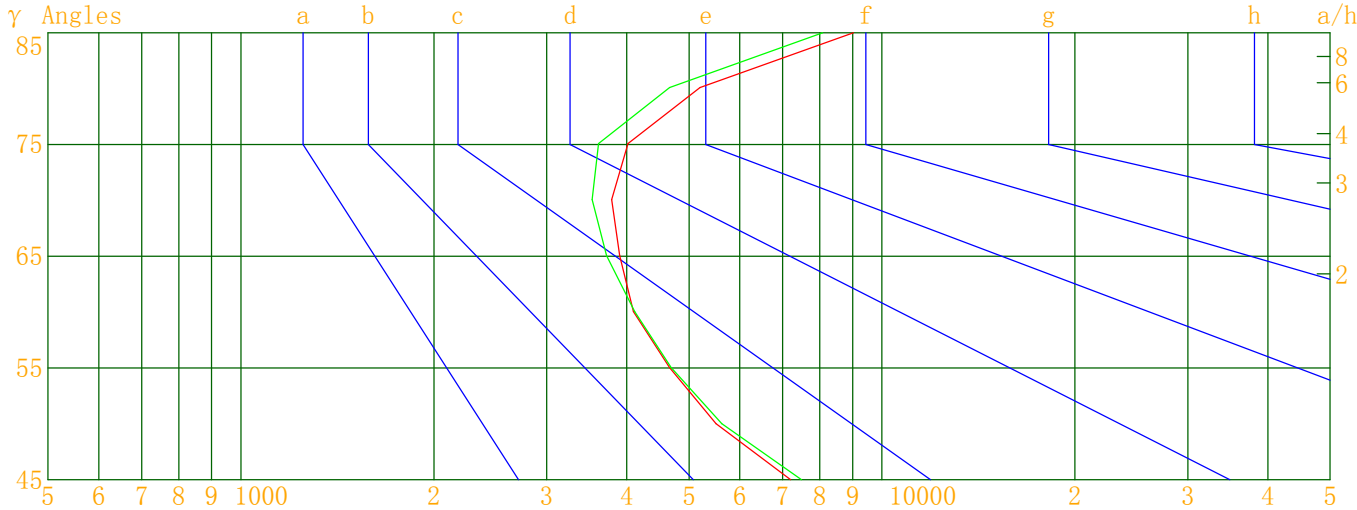
Glare Grade Table

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	7199	5509	4665	4094	3899	3789	4015	5201	9024
C90	7488	5628	4693	4117	3720	3531	3612	4662	8082

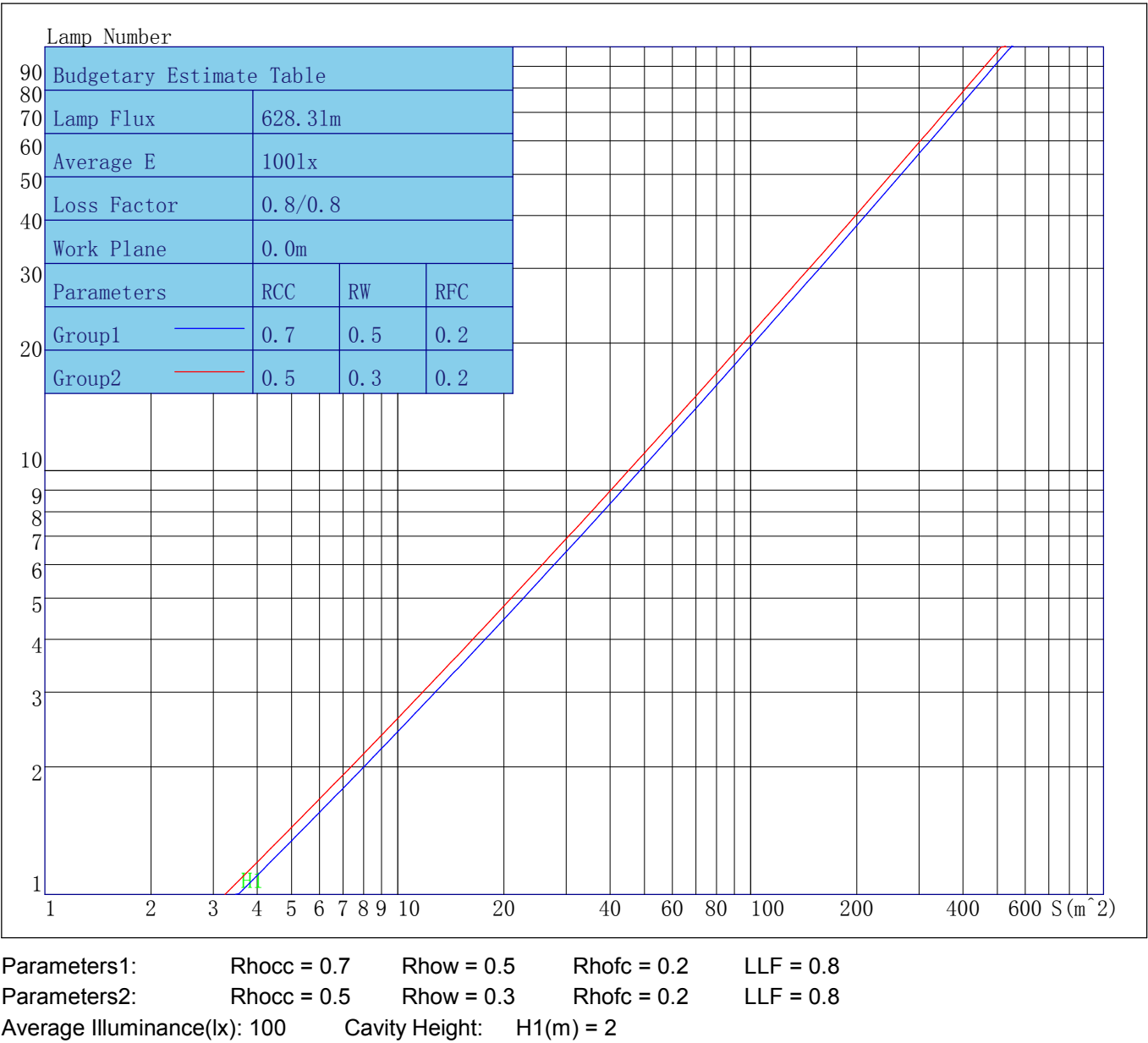
Luminance Limiting Curve



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 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:2019/04/24



Photometric Filename:MD12-09-XX-01 RA90 2700K 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD12-09-XX-01 RA90 2700K 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality 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	90	88	86	85	88	86	85	83	83	81	80	79	78	77	76	75	74	73
2	87	83	80	78	85	81	79	76	78	76	74	76	74	72	73	72	70	69
3	83	78	75	72	81	77	74	71	75	72	70	72	70	68	70	69	67	66
4	80	74	71	68	78	73	70	67	71	68	66	69	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	61	66	62	60	64	62	59	63	61	59	58
7	71	65	61	58	70	64	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	56	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 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: 2019/04/24

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	14.0	14.5	14.4	14.9	15.3	14.3	14.8	14.7	15.2	15.6
	14.8	15.1	15.2	15.5	16.0	14.9	15.3	15.4	15.7	16.2
	15.2	15.5	15.7	15.9	16.4	15.3	15.6	15.8	16.0	16.5
	15.8	16.0	16.3	16.5	17.0	15.8	16.0	16.3	16.4	16.9
	16.2	16.4	16.8	16.9	17.4	16.1	16.3	16.6	16.7	17.2
	16.7	16.9	17.3	17.3	17.8	16.5	16.6	17.0	17.1	17.6
X=4H Y=2H	14.3	14.5	14.8	15.0	15.5	14.6	14.8	15.0	15.3	15.7
	15.3	15.4	15.8	15.9	16.4	15.4	15.5	15.9	16.0	16.5
	15.9	16.0	16.5	16.5	17.0	16.0	16.0	16.5	16.5	17.0
	16.8	16.7	17.4	17.2	17.8	16.7	16.6	17.2	17.1	17.7
	17.3	17.2	17.9	17.7	18.3	17.1	17.0	17.7	17.5	18.1
	18.0	17.8	18.6	18.4	18.9	17.7	17.5	18.3	18.1	18.6
X=8H Y=4H	16.2	16.1	16.8	16.6	17.2	16.2	16.1	16.8	16.6	17.2
	17.4	17.1	18.0	17.7	18.2	17.2	16.9	17.8	17.5	18.0
	18.1	17.8	18.8	18.4	19.0	17.8	17.5	18.5	18.1	18.7
	19.0	18.7	19.7	19.2	19.9	18.7	18.3	19.3	18.9	19.6
X=12H Y=4H	16.3	16.1	16.8	16.6	17.2	16.2	16.0	16.8	16.6	17.2
	17.5	17.2	18.1	17.8	18.4	17.3	17.0	18.0	17.6	18.2
	18.4	18.0	19.0	18.6	19.3	18.1	17.7	18.7	18.3	19.0
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/-0.2					0.3/-0.3				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	3.2					2.9				

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	2713.36	2713.36	2713.36	2713.36
γ 1.0	2571.00	2649.13	2784.30	2792.25
γ 2.0	2416.40	2515.11	2835.06	2805.92
γ 3.0	2233.86	2353.00	2845.21	2780.20
γ 4.0	2040.51	2170.47	2813.00	2721.30
γ 5.0	1847.75	1981.80	2736.79	2609.99
γ 6.0	1660.71	1797.28	2618.77	2471.31
γ 7.0	1479.73	1616.93	2471.42	2305.15
γ 8.0	1303.89	1442.46	2307.04	2121.55
γ 9.0	1135.20	1272.44	2116.18	1928.84
γ 10.0	979.12	1107.69	1930.22	1743.64
γ 11.0	838.62	956.72	1746.44	1561.84
γ 12.0	716.02	820.72	1566.48	1387.66
γ 13.0	610.80	699.61	1389.34	1221.41
γ 14.0	523.93	597.39	1222.57	1064.08
γ 15.0	452.31	512.48	1065.38	918.78
γ 16.0	393.38	443.79	921.09	788.61
γ 17.0	344.70	387.01	792.19	675.37
γ 18.0	304.50	340.49	682.19	579.81
γ 19.0	270.98	302.20	589.78	500.08
γ 20.0	243.25	270.08	512.82	434.42
γ 21.0	219.92	242.88	448.81	379.40
γ 22.0	199.51	219.45	396.64	334.64
γ 23.0	181.64	199.18	352.80	297.04
γ 24.0	165.34	181.14	315.95	265.38
γ 25.0	150.36	164.84	283.09	238.14
γ 26.0	136.38	149.83	254.83	214.38
γ 27.0	123.90	135.96	230.21	193.21
γ 28.0	112.47	123.24	208.36	174.85
γ 29.0	102.43	111.58	188.48	158.15
γ 30.0	93.14	101.39	170.87	142.61
γ 31.0	84.77	92.10	154.48	128.50
γ 32.0	77.17	83.71	139.80	116.07
γ 33.0	70.20	76.21	126.59	105.09
γ 34.0	63.67	69.20	115.07	95.38
γ 35.0	58.02	62.72	104.57	86.31
γ 36.0	52.90	57.02	94.96	78.27
γ 37.0	48.32	51.88	86.26	71.22
γ 38.0	44.13	47.31	78.58	64.92
γ 39.0	40.30	43.14	71.69	59.16
γ 40.0	36.78	39.41	65.46	53.99
γ 41.0	33.61	35.93	59.68	49.37
γ 42.0	30.82	32.76	54.51	45.12
γ 43.0	28.37	29.93	49.83	41.34
γ 44.0	26.16	27.43	45.63	37.75
γ 45.0	24.18	25.15	41.83	34.56
γ 46.0	22.39	23.18	38.46	31.81

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	20.71	21.41	35.36	29.30
γ 48.0	19.23	19.79	32.55	27.07
γ 49.0	17.95	18.40	29.91	25.04
γ 50.0	16.82	17.18	27.52	23.20
γ 51.0	15.80	16.09	25.39	21.56
γ 52.0	14.90	15.12	23.49	20.16
γ 53.0	14.14	14.25	21.73	18.89
γ 54.0	13.44	13.51	20.31	17.82
γ 55.0	12.71	12.79	19.01	16.85
γ 56.0	12.05	12.14	17.83	16.00
γ 57.0	11.46	11.44	16.72	15.23
γ 58.0	10.90	10.84	15.75	14.51
γ 59.0	10.32	10.30	14.84	13.83
γ 60.0	9.72	9.78	14.02	13.11
γ 61.0	9.31	9.14	13.25	12.49
γ 62.0	8.92	8.64	12.51	11.90
γ 63.0	8.55	8.22	11.82	11.35
γ 64.0	8.18	7.85	11.19	10.56
γ 65.0	7.83	7.47	10.52	10.02
γ 66.0	7.48	7.11	9.69	9.59
γ 67.0	7.13	6.74	9.16	9.15
γ 68.0	6.80	6.39	8.72	8.77
γ 69.0	6.47	6.05	8.28	8.37
γ 70.0	6.16	5.74	7.86	7.98
γ 71.0	5.84	5.42	7.45	7.59
γ 72.0	5.55	5.13	7.06	7.22
γ 73.0	5.25	4.86	6.67	6.85
γ 74.0	5.08	4.60	6.30	6.49
γ 75.0	4.94	4.44	5.93	6.12
γ 76.0	4.79	4.30	5.59	5.80
γ 77.0	4.66	4.18	5.26	5.48
γ 78.0	4.53	4.06	4.98	5.22
γ 79.0	4.41	3.94	4.73	5.06
γ 80.0	4.29	3.85	4.57	4.92
γ 81.0	4.17	3.75	4.43	4.78
γ 82.0	4.07	3.65	4.29	4.64
γ 83.0	3.96	3.56	4.17	4.51
γ 84.0	3.84	3.47	4.05	4.39
γ 85.0	3.74	3.35	3.94	4.26
γ 86.0	3.63	3.26	3.83	4.15
γ 87.0	3.53	3.16	3.73	4.04
γ 88.0	3.47	3.08	3.63	3.91
γ 89.0	3.42	3.04	3.52	3.80
γ 90.0	3.36	2.99	3.41	3.68
γ 91.0	3.32	2.95	3.30	3.59
γ 92.0	3.27	2.93	3.21	3.49
γ 93.0	3.22	2.89	3.14	3.42

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.19	2.85	3.08	3.35
γ 95.0	3.14	2.82	3.02	3.29
γ 96.0	3.11	2.78	2.96	3.23
γ 97.0	3.08	2.77	2.91	3.17
γ 98.0	3.05	2.74	2.87	3.11
γ 99.0	3.03	2.72	2.82	3.06
γ 100.0	3.00	2.70	2.78	3.02
γ 101.0	2.98	2.68	2.75	2.99
γ 102.0	2.96	2.66	2.72	2.94
γ 103.0	2.94	2.64	2.68	2.91
γ 104.0	2.91	2.63	2.66	2.87
γ 105.0	2.90	2.62	2.65	2.85
γ 106.0	2.88	2.60	2.62	2.83
γ 107.0	2.87	2.59	2.61	2.81
γ 108.0	2.85	2.57	2.60	2.79
γ 109.0	2.83	2.55	2.58	2.77
γ 110.0	2.81	2.54	2.58	2.75
γ 111.0	2.78	2.52	2.57	2.74
γ 112.0	2.77	2.51	2.56	2.73
γ 113.0	2.75	2.50	2.58	2.73
γ 114.0	2.73	2.49	2.57	2.73
γ 115.0	2.73	2.48	2.57	2.72
γ 116.0	2.71	2.48	2.57	2.72
γ 117.0	2.70	2.48	2.58	2.72
γ 118.0	2.69	2.47	2.59	2.72
γ 119.0	2.70	2.49	2.58	2.72
γ 120.0	2.71	2.49	2.61	2.73
γ 121.0	2.72	2.49	2.61	2.74
γ 122.0	2.74	2.52	2.64	2.75
γ 123.0	2.77	2.55	2.65	2.78
γ 124.0	2.79	2.58	2.67	2.79
γ 125.0	2.83	2.62	2.70	2.81
γ 126.0	2.88	2.66	2.72	2.83
γ 127.0	2.93	2.71	2.75	2.86
γ 128.0	2.98	2.77	2.79	2.89
γ 129.0	3.06	2.83	2.82	2.94
γ 130.0	3.13	2.91	2.87	2.98
γ 131.0	3.22	2.98	2.92	3.03
γ 132.0	3.31	3.08	2.97	3.09
γ 133.0	3.42	3.17	3.04	3.14
γ 134.0	3.51	3.28	3.12	3.23
γ 135.0	3.63	3.38	3.19	3.30
γ 136.0	3.75	3.51	3.29	3.39
γ 137.0	3.88	3.63	3.39	3.49
γ 138.0	4.01	3.76	3.50	3.60
γ 139.0	4.14	3.89	3.61	3.71
γ 140.0	4.28	4.03	3.73	3.83

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.41	4.17	3.86	3.95
γ 142.0	4.55	4.31	3.99	4.07
γ 143.0	4.69	4.45	4.13	4.22
γ 144.0	4.82	4.58	4.28	4.36
γ 145.0	4.94	4.71	4.42	4.49
γ 146.0	5.05	4.83	4.56	4.62
γ 147.0	5.16	4.94	4.71	4.76
γ 148.0	5.26	5.06	4.84	4.89
γ 149.0	5.36	5.16	4.96	5.00
γ 150.0	5.43	5.24	5.09	5.11
γ 151.0	5.52	5.32	5.20	5.21
γ 152.0	5.59	5.39	5.30	5.30
γ 153.0	5.66	5.46	5.40	5.39
γ 154.0	5.70	5.52	5.50	5.47
γ 155.0	5.77	5.57	5.57	5.53
γ 156.0	5.81	5.62	5.65	5.59
γ 157.0	5.85	5.67	5.70	5.65
γ 158.0	5.87	5.70	5.77	5.70
γ 159.0	5.90	5.73	5.83	5.74
γ 160.0	5.93	5.76	5.88	5.77
γ 161.0	5.95	5.78	5.92	5.79
γ 162.0	5.97	5.81	5.96	5.83
γ 163.0	5.99	5.83	5.98	5.85
γ 164.0	6.00	5.84	6.01	5.87
γ 165.0	6.00	5.84	6.02	5.88
γ 166.0	5.99	5.86	6.06	5.89
γ 167.0	5.99	5.85	6.06	5.91
γ 168.0	5.97	5.85	6.08	5.91
γ 169.0	5.95	5.85	6.09	5.92
γ 170.0	5.92	5.85	6.08	5.91
γ 171.0	5.90	5.83	6.07	5.90
γ 172.0	5.89	5.83	6.07	5.89
γ 173.0	5.87	5.82	6.04	5.88
γ 174.0	5.85	5.81	6.02	5.86
γ 175.0	5.84	5.81	5.99	5.85
γ 176.0	5.84	5.82	5.97	5.84
γ 177.0	5.84	5.81	5.94	5.82
γ 178.0	5.85	5.82	5.93	5.83
γ 179.0	5.84	5.81	5.91	5.82
γ 180.0	5.86	5.86	5.86	5.86