

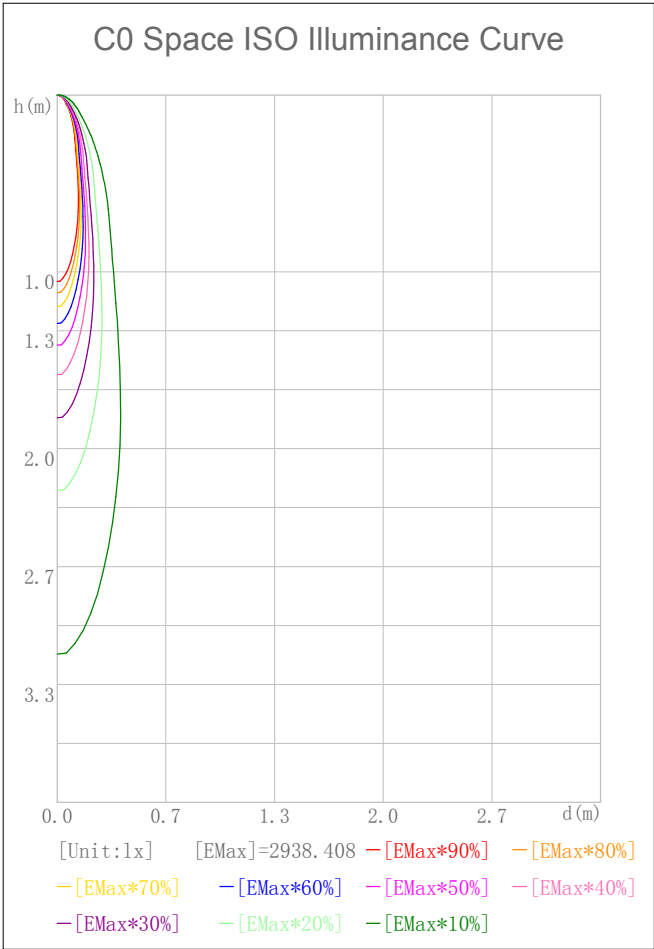
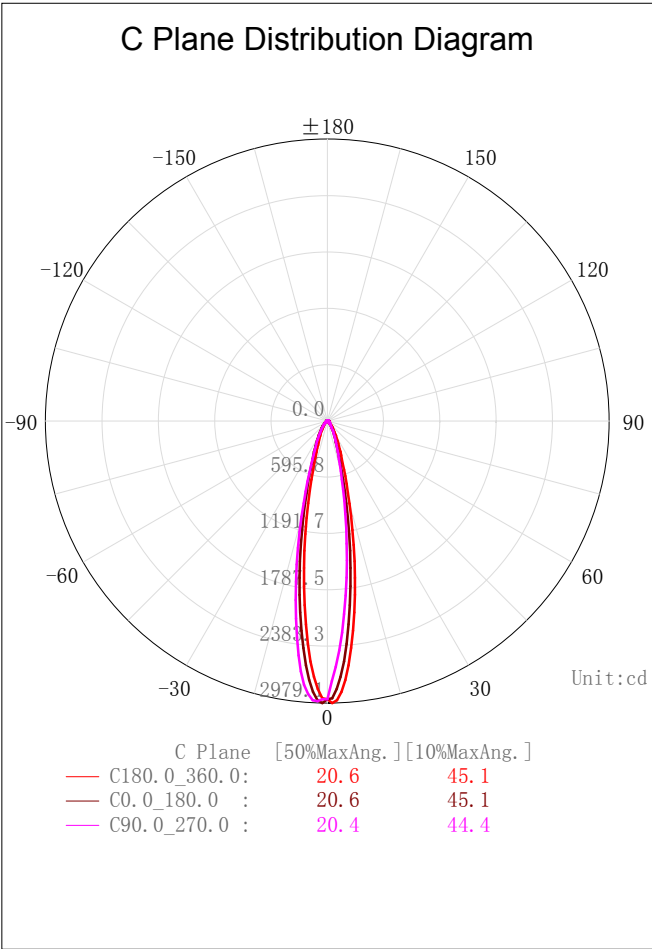
Indoor Luminaire Photometric Data

Description Information

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

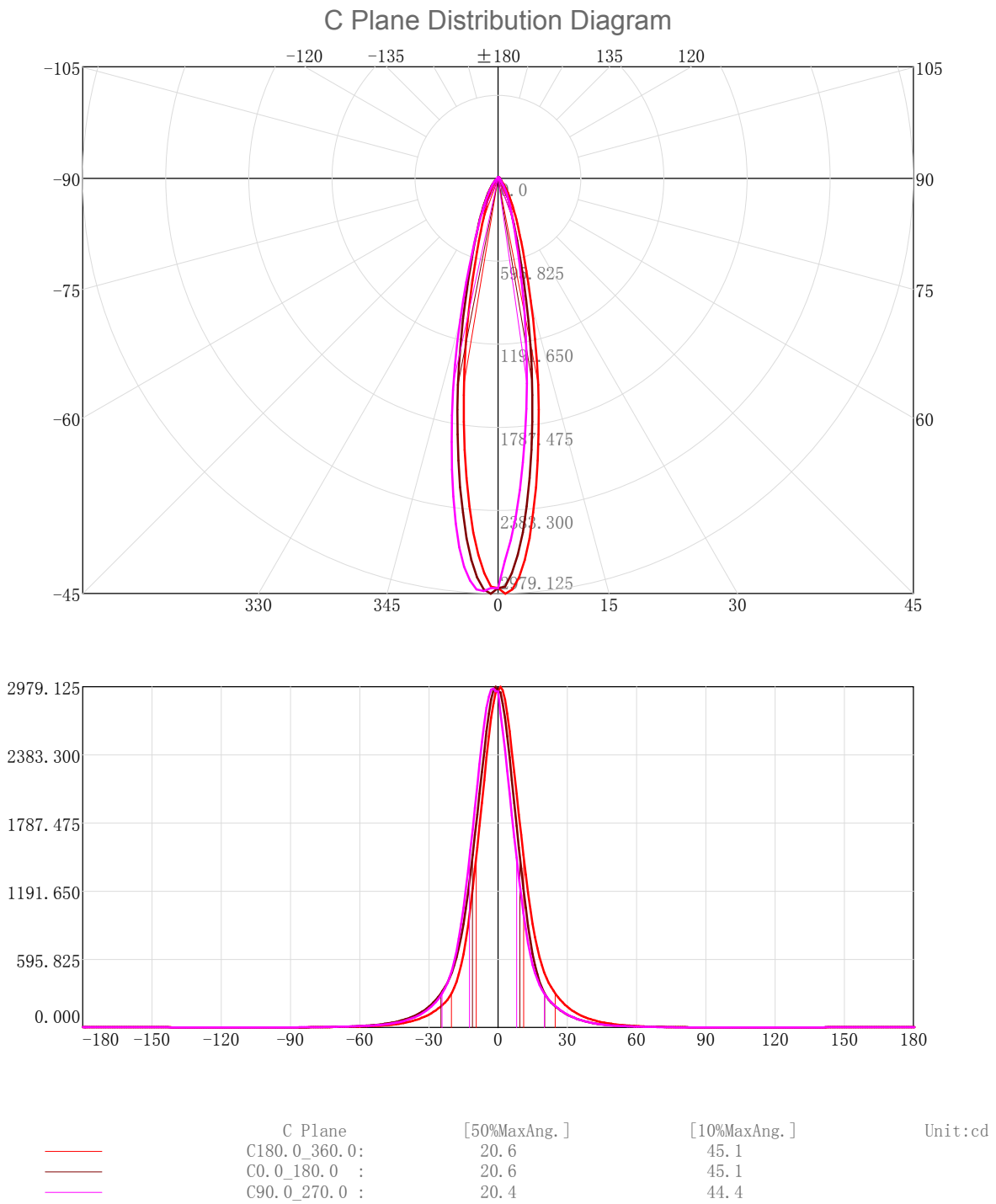
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 841.000	Luminary Flux(lm): 673.198	Field Angle(10%Imax): 45.1(°)	
Rated Power(W):	Luminary Efficiency: 80.05%	Down Lumens&Percent: 656.563lm 97.53%	
Rated Voltage(V):	Luminary EER(lm/W): 74.684	Up Lumens&Percent: 16.635lm 2.47%	
Tested Power(W): 9.014	Max. Candela(cd): 2979.125	S/MH: C0_a180=0.353 C90_270=0.349	
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, 0.913		ErP Φuse(90°): 604.222lm	
Lamp Size(W*L*H):0.050m*0.050m*0.045m		IRF(%): 1071.348	
		Left=-9.5°, Right=11.1°	



2D Plane Light Intensity Distribution Curve

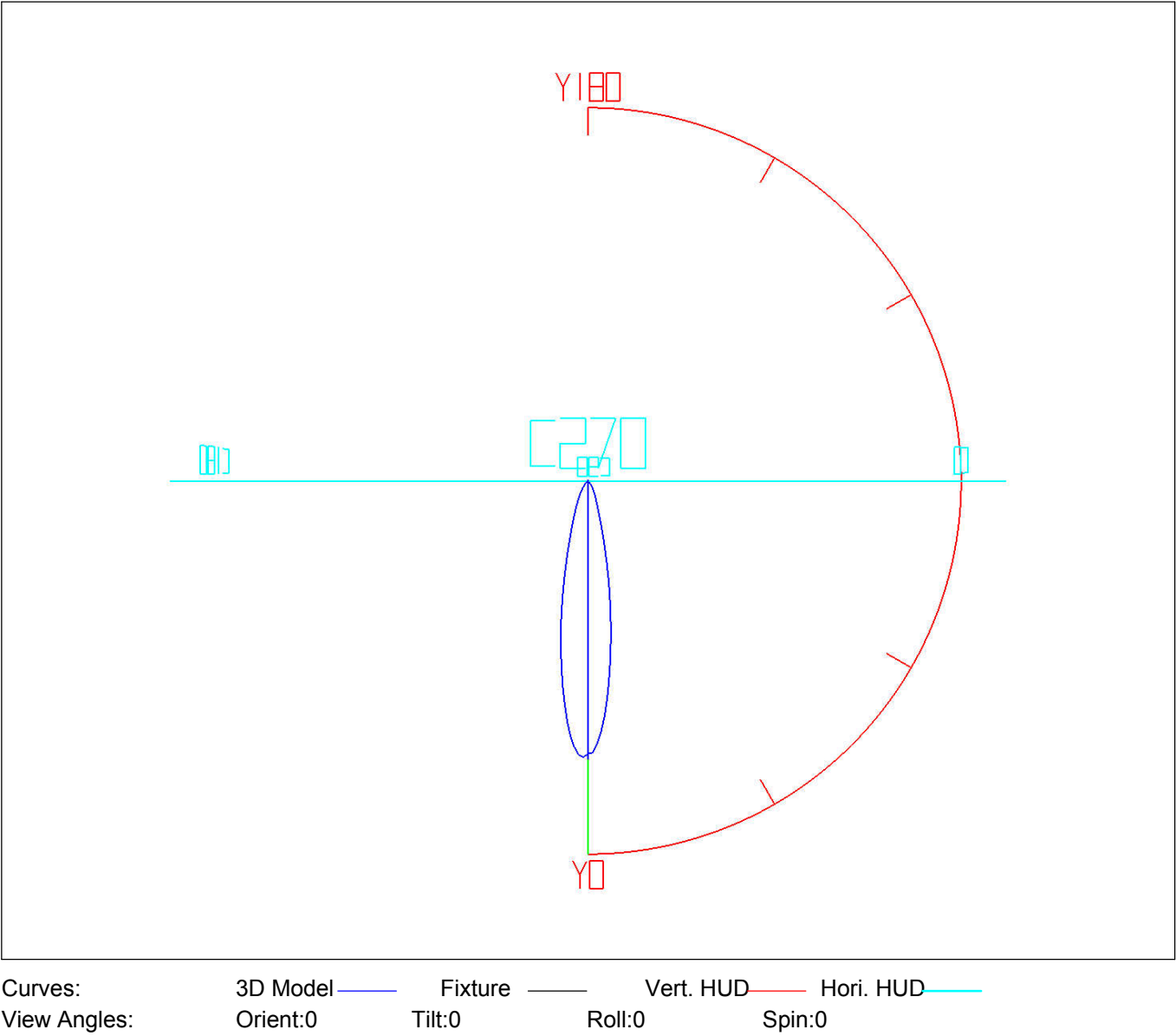
Lum. Name:MD12-09-XX-01 RA90 15D 3000K	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quaality Department
Manufacture:Shenzhen Norming Lighting Co.,Ltd	Test Machine:GON-2000	Test Date:2019/04/16



3D Light Intensity Distribution Modal

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



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	2.79	2.79	0.33	0.33	47.0-48.0	2.36	619.27	0.28	73.63
1.0-2.0	8.23	11.02	0.98	1.31	48.0-49.0	2.21	621.47	0.26	73.90
2.0-3.0	13.33	24.35	1.59	2.90	49.0-50.0	2.07	623.54	0.25	74.14
3.0-4.0	17.89	42.24	2.13	5.02	50.0-51.0	1.94	625.49	0.23	74.37
4.0-5.0	21.74	63.98	2.59	7.61	51.0-52.0	1.83	627.31	0.22	74.59
5.0-6.0	24.81	88.79	2.95	10.56	52.0-53.0	1.72	629.03	0.20	74.80
6.0-7.0	27.06	115.85	3.22	13.78	53.0-54.0	1.63	630.66	0.19	74.99
7.0-8.0	28.53	144.38	3.39	17.17	54.0-55.0	1.54	632.21	0.18	75.17
8.0-9.0	29.29	173.67	3.48	20.65	55.0-56.0	1.46	633.67	0.17	75.35
9.0-10.0	29.42	203.09	3.50	24.15	56.0-57.0	1.39	635.06	0.17	75.51
10.0-11.0	28.98	232.07	3.45	27.59	57.0-58.0	1.32	636.38	0.16	75.67
11.0-12.0	28.03	260.09	3.33	30.93	58.0-59.0	1.25	637.63	0.15	75.82
12.0-13.0	26.67	286.76	3.17	34.10	59.0-60.0	1.19	638.82	0.14	75.96
13.0-14.0	25.04	311.80	2.98	37.07	60.0-61.0	1.13	639.95	0.13	76.09
14.0-15.0	23.27	335.07	2.77	39.84	61.0-62.0	1.07	641.02	0.13	76.22
15.0-16.0	21.50	356.57	2.56	42.40	62.0-63.0	1.01	642.03	0.12	76.34
16.0-17.0	19.79	376.35	2.35	44.75	63.0-64.0	0.96	642.99	0.11	76.46
17.0-18.0	18.20	394.56	2.16	46.92	64.0-65.0	0.91	643.90	0.11	76.56
18.0-19.0	16.77	411.33	1.99	48.91	65.0-66.0	0.86	644.76	0.10	76.67
19.0-20.0	15.52	426.84	1.84	50.75	66.0-67.0	0.82	645.58	0.10	76.76
20.0-21.0	14.43	441.27	1.72	52.47	67.0-68.0	0.78	646.37	0.09	76.86
21.0-22.0	13.47	454.74	1.60	54.07	68.0-69.0	0.75	647.11	0.09	76.95
22.0-23.0	12.63	467.37	1.50	55.57	69.0-70.0	0.71	647.82	0.08	77.03
23.0-24.0	11.88	479.25	1.41	56.99	70.0-71.0	0.67	648.50	0.08	77.11
24.0-25.0	11.18	490.43	1.33	58.32	71.0-72.0	0.64	649.13	0.08	77.19
25.0-26.0	10.53	500.96	1.25	59.57	72.0-73.0	0.60	649.73	0.07	77.26
26.0-27.0	9.91	510.88	1.18	60.75	73.0-74.0	0.57	650.30	0.07	77.32
27.0-28.0	9.32	520.20	1.11	61.85	74.0-75.0	0.54	650.84	0.06	77.39
28.0-29.0	8.75	528.95	1.04	62.90	75.0-76.0	0.51	651.34	0.06	77.45
29.0-30.0	8.20	537.15	0.98	63.87	76.0-77.0	0.48	651.83	0.06	77.51
30.0-31.0	7.68	544.83	0.91	64.78	77.0-78.0	0.46	652.28	0.05	77.56
31.0-32.0	7.19	552.02	0.85	65.64	78.0-79.0	0.44	652.72	0.05	77.61
32.0-33.0	6.72	558.74	0.80	66.44	79.0-80.0	0.42	653.15	0.05	77.66
33.0-34.0	6.28	565.02	0.75	67.18	80.0-81.0	0.41	653.55	0.05	77.71
34.0-35.0	5.86	570.88	0.70	67.88	81.0-82.0	0.39	653.94	0.05	77.76
35.0-36.0	5.48	576.36	0.65	68.53	82.0-83.0	0.38	654.32	0.04	77.80
36.0-37.0	5.11	581.47	0.61	69.14	83.0-84.0	0.36	654.68	0.04	77.85
37.0-38.0	4.77	586.24	0.57	69.71	84.0-85.0	0.35	655.03	0.04	77.89
38.0-39.0	4.45	590.68	0.53	70.24	85.0-86.0	0.33	655.36	0.04	77.93
39.0-40.0	4.14	594.83	0.49	70.73	86.0-87.0	0.32	655.68	0.04	77.96
40.0-41.0	3.86	598.69	0.46	71.19	87.0-88.0	0.31	655.99	0.04	78.00
41.0-42.0	3.60	602.29	0.43	71.62	88.0-89.0	0.29	656.28	0.03	78.04
42.0-43.0	3.35	605.64	0.40	72.01	89.0-90.0	0.28	656.56	0.03	78.07
43.0-44.0	3.12	608.76	0.37	72.38	90.0-91.0	0.27	656.84	0.03	78.10
44.0-45.0	2.91	611.66	0.35	72.73	91.0-92.0	0.26	657.10	0.03	78.13
45.0-46.0	2.71	614.37	0.32	73.05	92.0-93.0	0.26	657.36	0.03	78.16
46.0-47.0	2.53	616.90	0.30	73.35	93.0-94.0	0.25	657.61	0.03	78.19

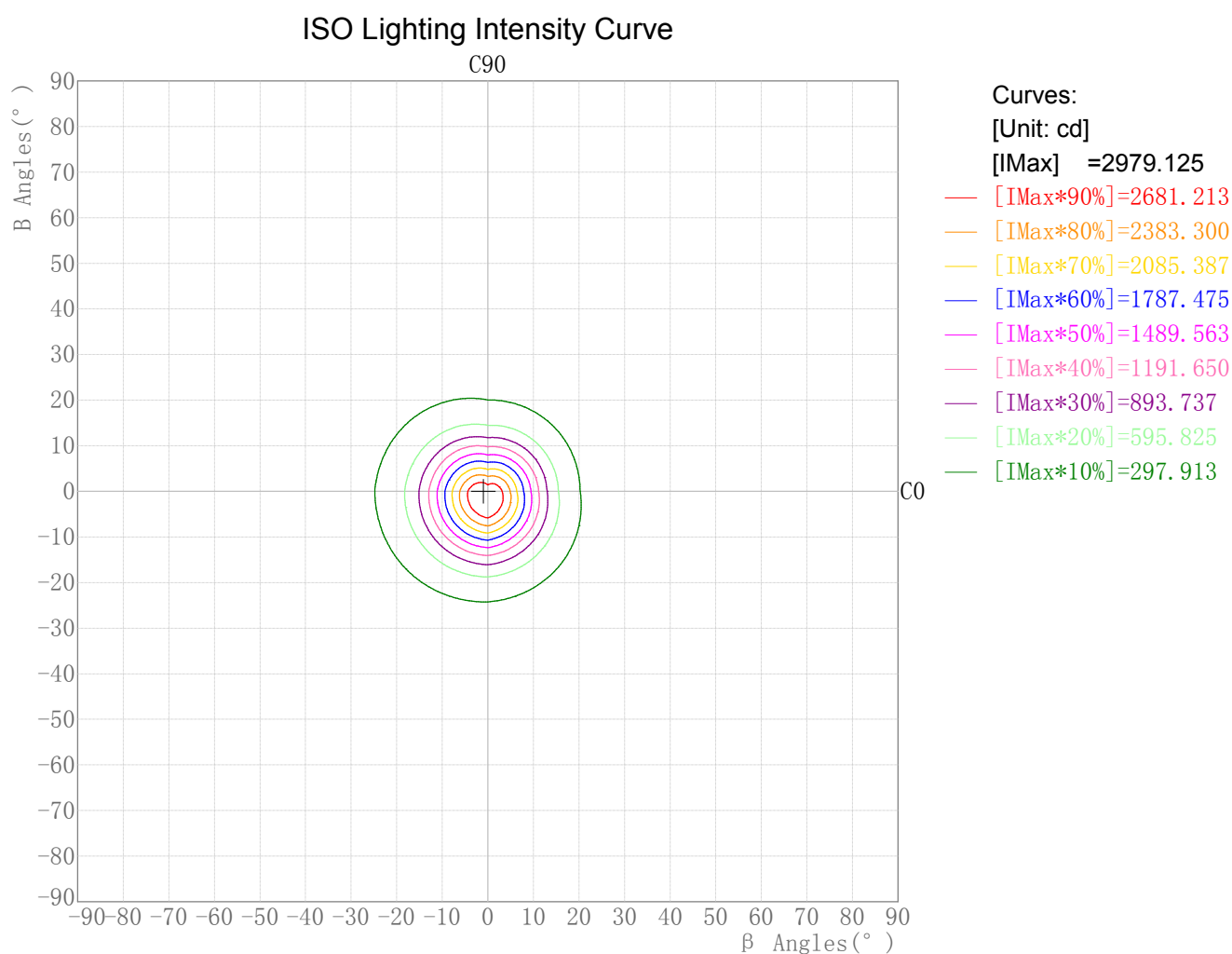
Zonal Flux Tabulation - (Cont.)

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. 24	657. 85	0. 03	78. 22	141. 0-142. 0	0. 23	666. 91	0. 03	79. 30
95. 0-96. 0	0. 24	658. 09	0. 03	78. 25	142. 0-143. 0	0. 24	667. 15	0. 03	79. 33
96. 0-97. 0	0. 23	658. 33	0. 03	78. 28	143. 0-144. 0	0. 24	667. 39	0. 03	79. 36
97. 0-98. 0	0. 23	658. 55	0. 03	78. 31	144. 0-145. 0	0. 25	667. 64	0. 03	79. 39
98. 0-99. 0	0. 22	658. 78	0. 03	78. 33	145. 0-146. 0	0. 25	667. 89	0. 03	79. 42
99. 0-100. 0	0. 22	659. 00	0. 03	78. 36	146. 0-147. 0	0. 25	668. 14	0. 03	79. 45
100. 0-101. 0	0. 21	659. 21	0. 03	78. 38	147. 0-148. 0	0. 25	668. 39	0. 03	79. 48
101. 0-102. 0	0. 21	659. 42	0. 03	78. 41	148. 0-149. 0	0. 25	668. 65	0. 03	79. 51
102. 0-103. 0	0. 21	659. 63	0. 02	78. 43	149. 0-150. 0	0. 25	668. 90	0. 03	79. 54
103. 0-104. 0	0. 20	659. 83	0. 02	78. 46	150. 0-151. 0	0. 25	669. 15	0. 03	79. 57
104. 0-105. 0	0. 20	660. 03	0. 02	78. 48	151. 0-152. 0	0. 25	669. 40	0. 03	79. 60
105. 0-106. 0	0. 20	660. 23	0. 02	78. 51	152. 0-153. 0	0. 24	669. 64	0. 03	79. 62
106. 0-107. 0	0. 20	660. 43	0. 02	78. 53	153. 0-154. 0	0. 24	669. 88	0. 03	79. 65
107. 0-108. 0	0. 19	660. 62	0. 02	78. 55	154. 0-155. 0	0. 23	670. 11	0. 03	79. 68
108. 0-109. 0	0. 19	660. 81	0. 02	78. 57	155. 0-156. 0	0. 23	670. 34	0. 03	79. 71
109. 0-110. 0	0. 19	661. 00	0. 02	78. 60	156. 0-157. 0	0. 22	670. 56	0. 03	79. 73
110. 0-111. 0	0. 18	661. 18	0. 02	78. 62	157. 0-158. 0	0. 22	670. 78	0. 03	79. 76
111. 0-112. 0	0. 18	661. 36	0. 02	78. 64	158. 0-159. 0	0. 21	670. 99	0. 02	79. 78
112. 0-113. 0	0. 18	661. 54	0. 02	78. 66	159. 0-160. 0	0. 20	671. 19	0. 02	79. 81
113. 0-114. 0	0. 18	661. 72	0. 02	78. 68	160. 0-161. 0	0. 19	671. 38	0. 02	79. 83
114. 0-115. 0	0. 18	661. 90	0. 02	78. 70	161. 0-162. 0	0. 18	671. 56	0. 02	79. 85
115. 0-116. 0	0. 17	662. 07	0. 02	78. 72	162. 0-163. 0	0. 17	671. 74	0. 02	79. 87
116. 0-117. 0	0. 17	662. 25	0. 02	78. 74	163. 0-164. 0	0. 17	671. 90	0. 02	79. 89
117. 0-118. 0	0. 17	662. 42	0. 02	78. 77	164. 0-165. 0	0. 16	672. 06	0. 02	79. 91
118. 0-119. 0	0. 17	662. 59	0. 02	78. 79	165. 0-166. 0	0. 15	672. 20	0. 02	79. 93
119. 0-120. 0	0. 17	662. 75	0. 02	78. 81	166. 0-167. 0	0. 14	672. 34	0. 02	79. 95
120. 0-121. 0	0. 17	662. 92	0. 02	78. 83	167. 0-168. 0	0. 13	672. 47	0. 02	79. 96
121. 0-122. 0	0. 17	663. 09	0. 02	78. 84	168. 0-169. 0	0. 12	672. 59	0. 01	79. 97
122. 0-123. 0	0. 17	663. 25	0. 02	78. 86	169. 0-170. 0	0. 11	672. 69	0. 01	79. 99
123. 0-124. 0	0. 17	663. 42	0. 02	78. 88	170. 0-171. 0	0. 10	672. 79	0. 01	80. 00
124. 0-125. 0	0. 17	663. 59	0. 02	78. 90	171. 0-172. 0	0. 09	672. 88	0. 01	80. 01
125. 0-126. 0	0. 17	663. 75	0. 02	78. 92	172. 0-173. 0	0. 08	672. 95	0. 01	80. 02
126. 0-127. 0	0. 17	663. 92	0. 02	78. 94	173. 0-174. 0	0. 07	673. 02	0. 01	80. 03
127. 0-128. 0	0. 17	664. 10	0. 02	78. 97	174. 0-175. 0	0. 06	673. 07	0. 01	80. 03
128. 0-129. 0	0. 17	664. 27	0. 02	78. 99	175. 0-176. 0	0. 05	673. 12	0. 01	80. 04
129. 0-130. 0	0. 18	664. 45	0. 02	79. 01	176. 0-177. 0	0. 04	673. 15	0. 00	80. 04
130. 0-131. 0	0. 18	664. 62	0. 02	79. 03	177. 0-178. 0	0. 03	673. 18	0. 00	80. 04
131. 0-132. 0	0. 18	664. 81	0. 02	79. 05	178. 0-179. 0	0. 01	673. 19	0. 00	80. 05
132. 0-133. 0	0. 19	665. 00	0. 02	79. 07	179. 0-180. 0	0. 00	673. 20	0. 00	80. 05
133. 0-134. 0	0. 19	665. 19	0. 02	79. 09					
134. 0-135. 0	0. 20	665. 38	0. 02	79. 12					
135. 0-136. 0	0. 20	665. 59	0. 02	79. 14					
136. 0-137. 0	0. 21	665. 79	0. 02	79. 17					
137. 0-138. 0	0. 21	666. 01	0. 03	79. 19					
138. 0-139. 0	0. 22	666. 22	0. 03	79. 22					
139. 0-140. 0	0. 22	666. 45	0. 03	79. 24					
140. 0-141. 0	0. 23	666. 68	0. 03	79. 27					

Photometric Filename:MD12-09-XX-01 RA90 15D 3000K.IES

Rectangle ISO Lighting Intensity Diagram

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



Maximum Light Intensity(cd): 2979.13

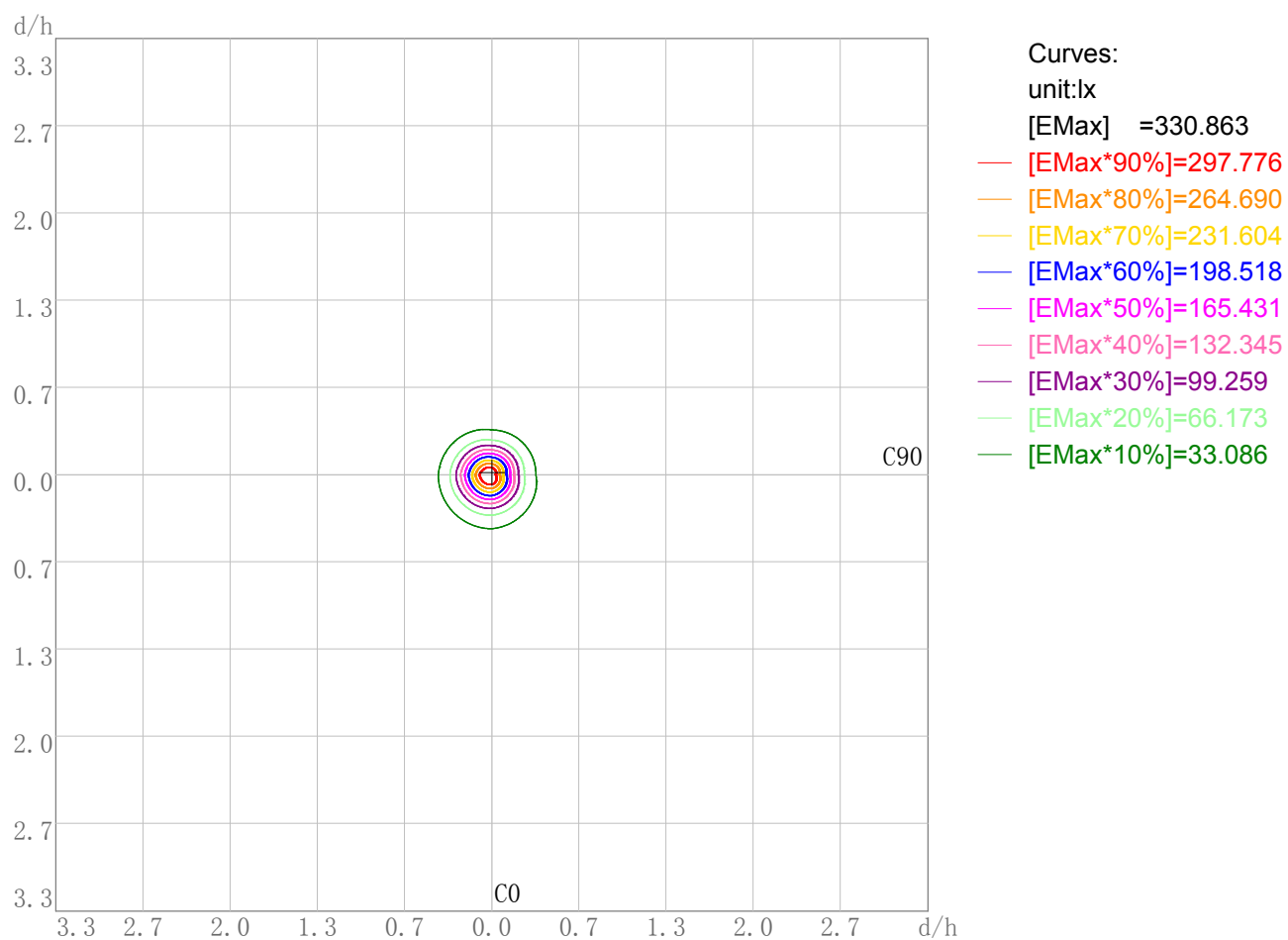
Maximum Cand.@Angle: H=-1.0°,V=0.0°

Photometric Filename:MD12-09-XX-01 RA90 15D 3000K.IES

Plane ISO-Illuminance Diagram

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

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

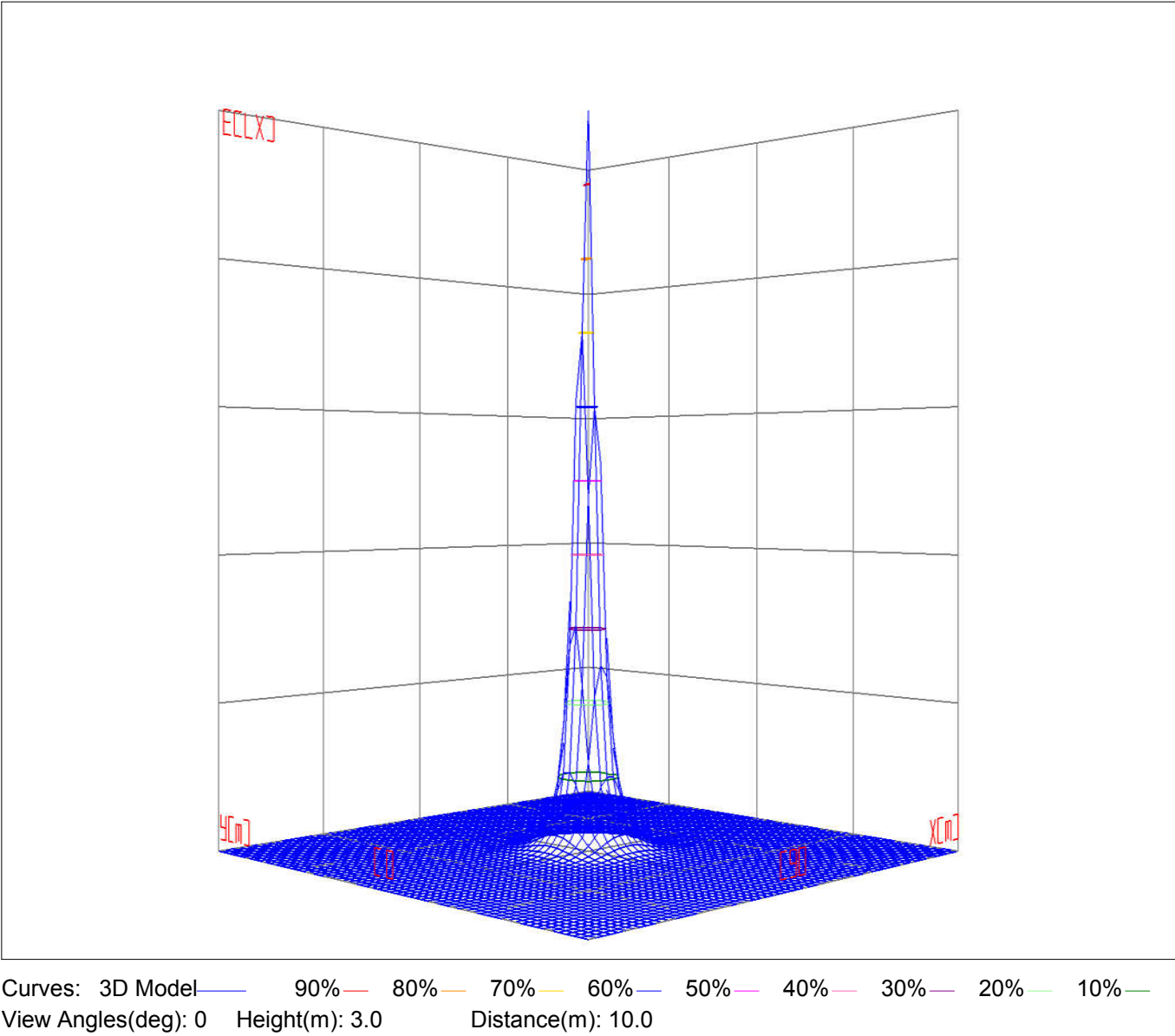
Working Plane Maximum Illuminance(lx): 330.86

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

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

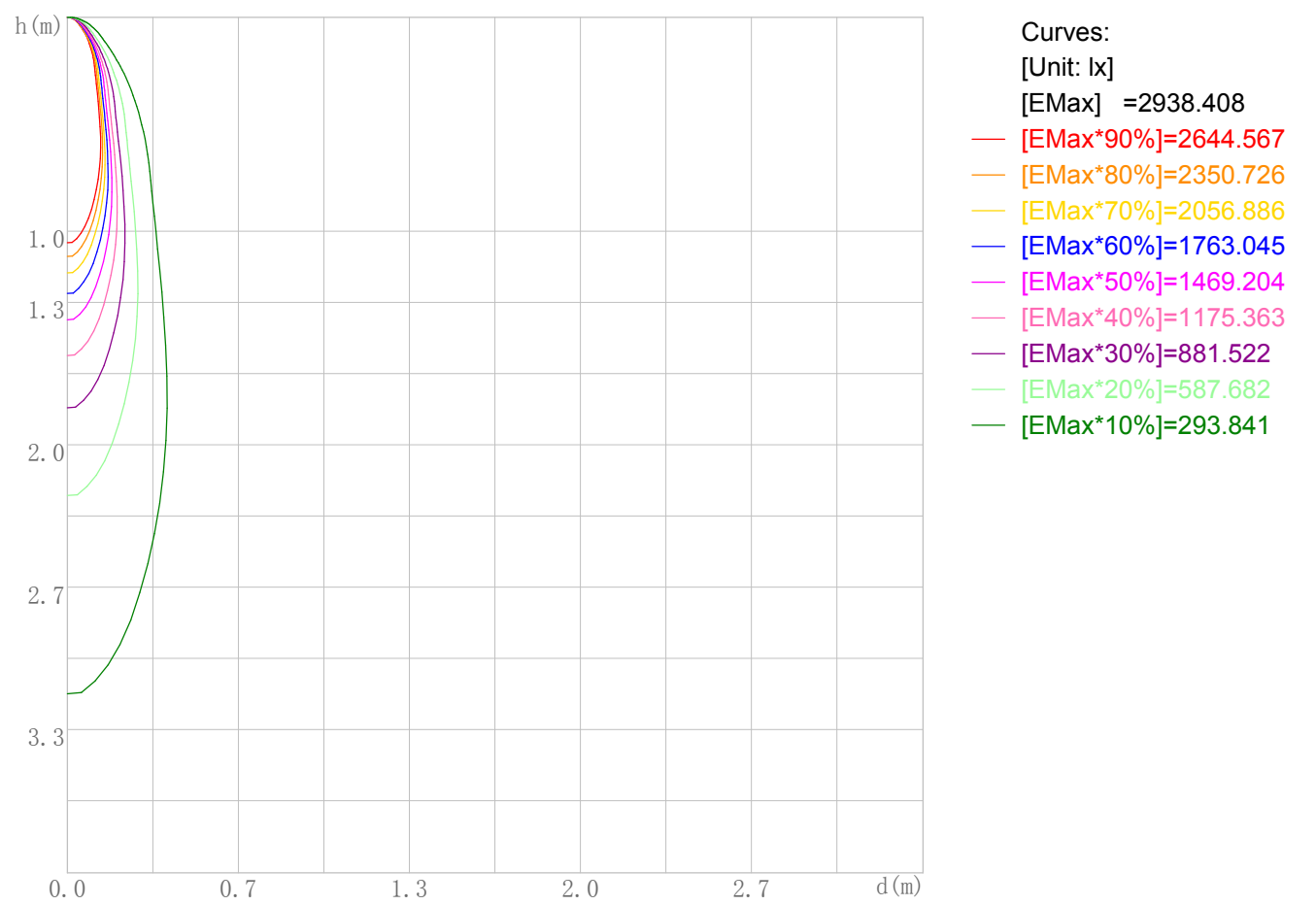
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

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

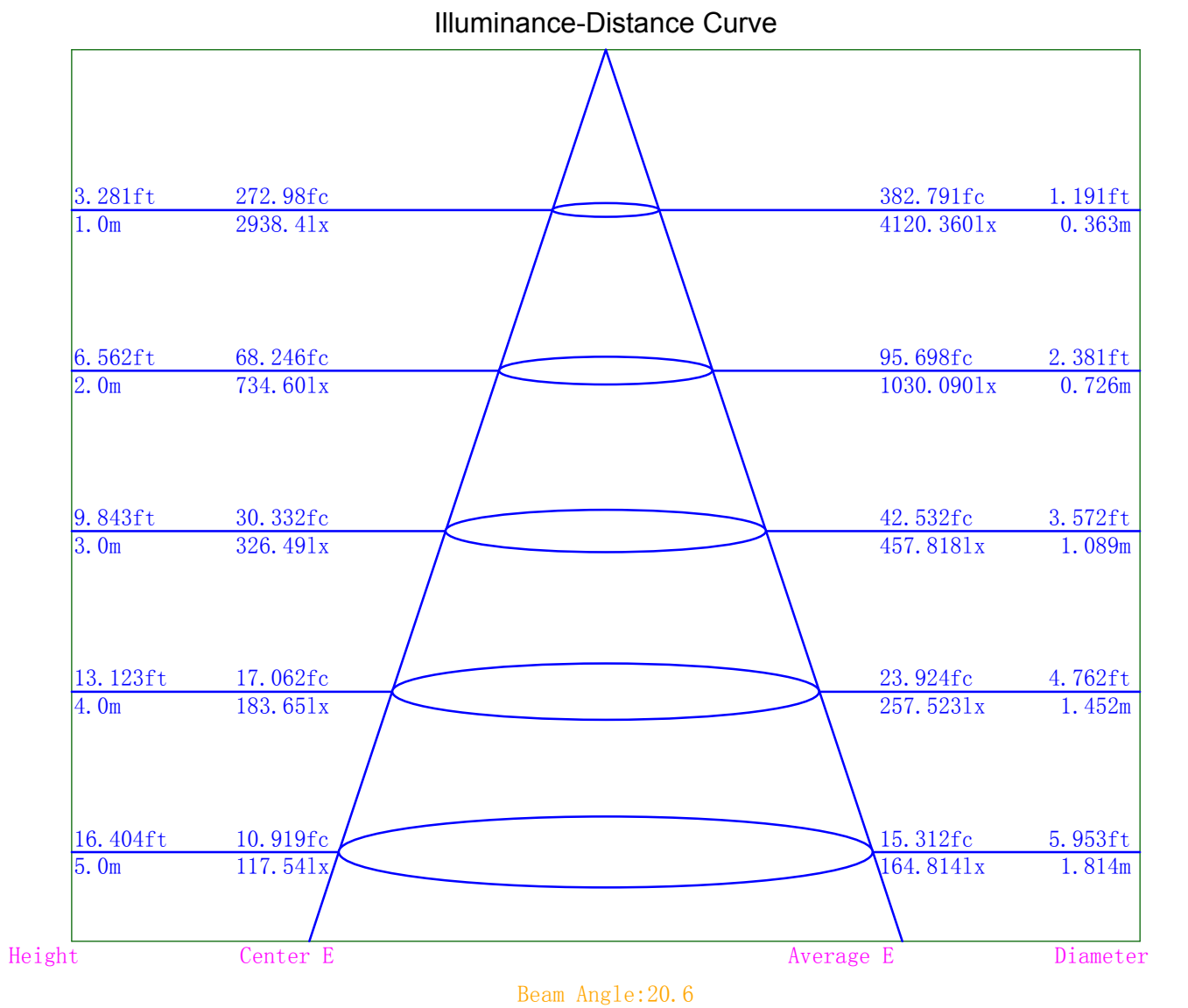
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2938.41lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:2938.408cd,0eg

Illuminance-Distance Diagram

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

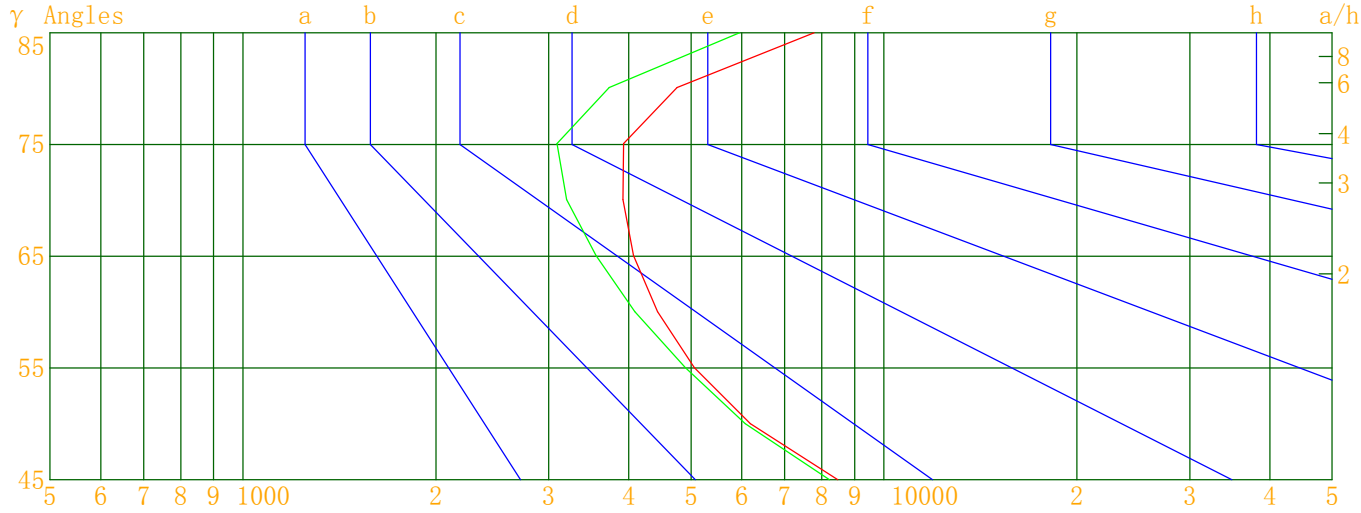
Glare Grade Table

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	8474	6188	5060	4432	4068	3918	3926	4755	7780
C90	8219	6076	4898	4087	3555	3197	3091	3726	5954

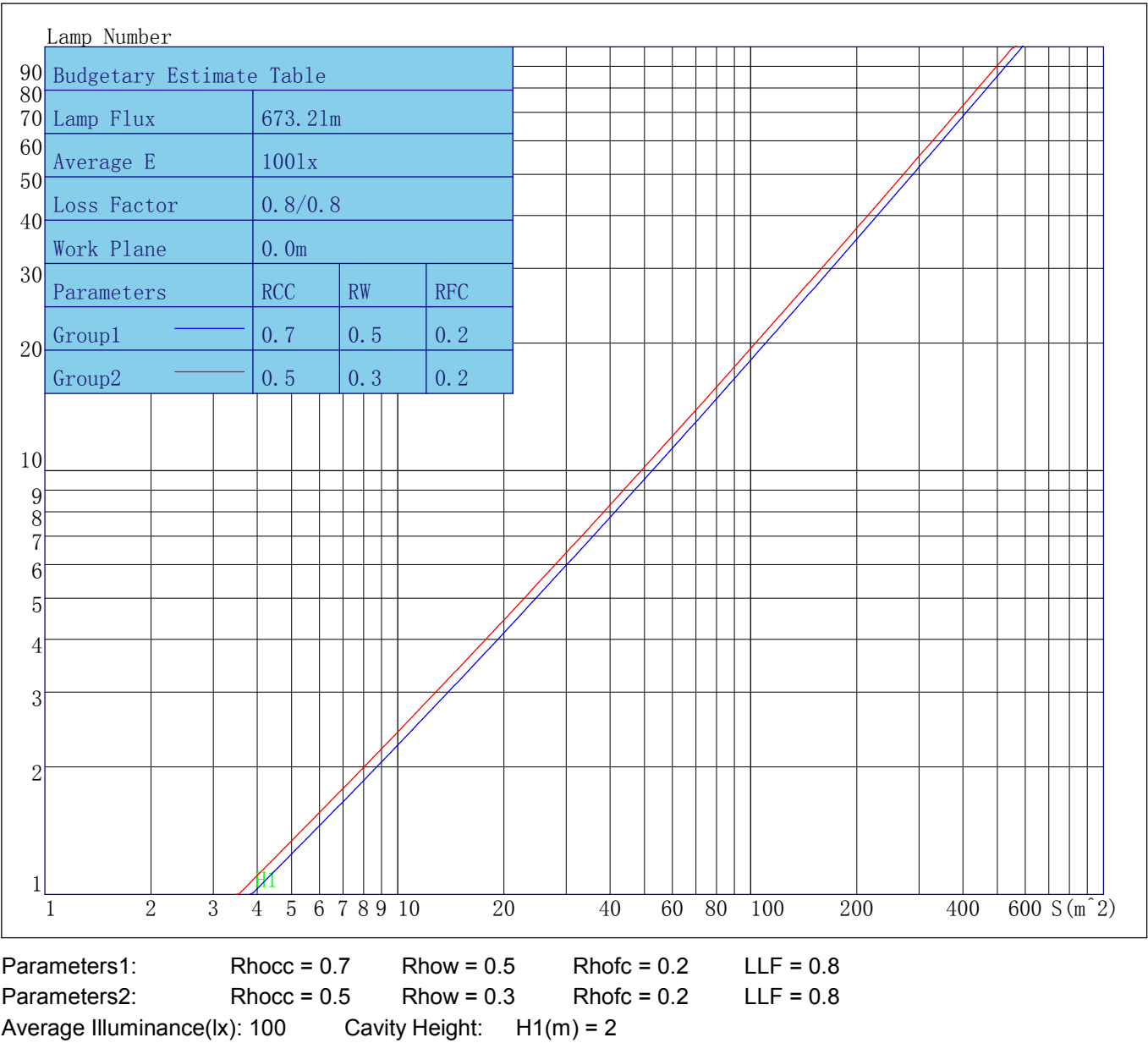
Luminance Limiting Curve



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 15D 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



Indoor Coefficient of Utilization Table

Lum. Name:MD12-09-XX-01 RA90 15D 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	91	89	87	85	89	87	85	84	83	82	81	80	79	78	77	76	75	74
2	87	83	80	78	85	82	79	77	79	77	75	76	75	73	74	72	71	70
3	83	79	75	72	82	77	74	72	75	72	70	73	71	69	71	69	68	66
4	80	75	71	68	78	74	70	67	72	69	66	70	68	65	68	66	65	63
5	77	71	67	64	76	70	67	64	69	66	63	67	65	62	66	64	62	61
6	74	68	64	61	73	67	64	61	66	63	60	65	62	60	64	61	59	58
7	71	65	61	58	70	65	61	58	64	60	58	63	60	57	62	59	57	56
8	69	63	59	56	68	62	59	56	61	58	56	60	57	55	60	57	55	54
9	67	60	57	54	66	60	56	54	59	56	54	58	55	53	58	55	53	52
10	65	58	55	52	64	58	54	52	57	54	52	57	54	52	56	53	51	50

Unified Glare Rating Table

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

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	14.6	15.2	15.0	15.6	15.9	14.6	15.2	15.1	15.6	16.0
	15.3	15.7	15.7	16.1	16.5	15.1	15.5	15.5	15.9	16.3
	15.6	16.0	16.1	16.4	16.8	15.3	15.6	15.8	16.1	16.5
	16.0	16.3	16.5	16.7	17.2	15.6	15.8	16.0	16.3	16.7
	16.3	16.5	16.8	17.0	17.4	15.7	16.0	16.2	16.4	16.9
	16.6	16.8	17.1	17.3	17.8	16.0	16.2	16.5	16.6	17.1
X=4H Y=2H	14.8	15.2	15.3	15.6	16.0	14.8	15.2	15.3	15.6	16.0
	15.7	15.9	16.2	16.3	16.8	15.4	15.6	15.9	16.1	16.6
	16.2	16.3	16.7	16.8	17.3	15.8	15.9	16.3	16.4	16.9
	16.8	16.8	17.4	17.3	17.9	16.2	16.2	16.8	16.7	17.3
	17.2	17.1	17.7	17.6	18.2	16.5	16.5	17.1	17.0	17.5
	17.7	17.5	18.2	18.1	18.6	16.9	16.7	17.4	17.3	17.8
X=8H Y=4H	16.4	16.3	16.9	16.8	17.4	15.9	15.9	16.5	16.4	16.9
	17.2	17.0	17.8	17.6	18.1	16.6	16.4	17.2	17.0	17.5
	17.8	17.5	18.4	18.1	18.7	17.0	16.8	17.7	17.4	18.0
	18.5	18.2	19.1	18.8	19.4	17.6	17.3	18.2	17.9	18.6
X=12H Y=4H	16.4	16.2	16.9	16.8	17.3	15.9	15.8	16.5	16.4	16.9
	17.3	17.1	17.9	17.6	18.2	16.7	16.5	17.3	17.0	17.6
	18.0	17.7	18.6	18.3	18.9	17.2	16.9	17.9	17.5	18.2
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	0.4/-0.4					0.6/-0.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.6					2.1				

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	2938.41	2938.41	2938.41	2938.41
γ 1.0	2928.71	2745.43	2979.13	2938.74
γ 2.0	2833.79	2597.30	2949.07	2962.17
γ 3.0	2705.22	2428.19	2865.80	2952.35
γ 4.0	2545.93	2241.22	2743.64	2892.26
γ 5.0	2361.95	2046.09	2590.63	2796.31
γ 6.0	2160.89	1855.31	2410.67	2660.61
γ 7.0	1960.63	1665.18	2232.51	2492.90
γ 8.0	1763.22	1484.86	2043.25	2303.66
γ 9.0	1573.38	1313.49	1859.57	2113.26
γ 10.0	1390.08	1151.26	1683.39	1919.48
γ 11.0	1215.83	1000.69	1508.62	1731.45
γ 12.0	1047.56	861.89	1337.73	1551.28
γ 13.0	893.19	739.36	1181.06	1375.83
γ 14.0	757.27	636.51	1035.98	1205.22
γ 15.0	641.84	549.31	905.69	1048.72
γ 16.0	546.59	479.02	791.13	905.73
γ 17.0	466.44	421.39	694.93	777.56
γ 18.0	400.31	373.09	613.96	668.16
γ 19.0	348.47	332.79	543.57	576.04
γ 20.0	306.40	298.89	483.58	501.29
γ 21.0	271.68	270.05	433.19	439.85
γ 22.0	243.15	244.98	391.00	387.49
γ 23.0	219.57	222.97	354.77	343.94
γ 24.0	199.88	203.41	322.15	306.69
γ 25.0	182.38	185.51	292.34	274.89
γ 26.0	166.50	168.84	266.27	247.64
γ 27.0	151.71	153.25	242.36	224.18
γ 28.0	138.07	139.04	221.12	203.16
γ 29.0	125.54	126.46	201.08	183.55
γ 30.0	114.19	115.05	182.90	166.10
γ 31.0	103.96	104.61	166.55	150.32
γ 32.0	94.83	95.41	151.78	136.05
γ 33.0	86.26	86.64	138.46	123.32
γ 34.0	78.28	78.70	126.33	111.59
γ 35.0	71.40	71.51	115.61	101.54
γ 36.0	65.28	64.83	105.83	92.13
γ 37.0	59.51	58.69	96.74	83.98
γ 38.0	54.19	53.38	88.52	76.55
γ 39.0	49.35	48.52	81.11	69.52
γ 40.0	44.99	44.19	74.43	63.21
γ 41.0	41.11	40.18	68.36	57.60
γ 42.0	37.47	36.53	62.55	52.43
γ 43.0	34.04	33.16	57.40	47.97
γ 44.0	31.08	30.21	52.58	44.02
γ 45.0	28.46	27.61	48.15	40.31
γ 46.0	26.14	25.31	44.22	37.06

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	24.06	23.30	40.47	33.96
γ 48.0	22.13	21.43	37.15	31.18
γ 49.0	20.36	19.92	34.17	28.74
γ 50.0	18.89	18.55	31.42	26.46
γ 51.0	17.59	17.28	28.91	24.51
γ 52.0	16.45	16.13	26.63	22.79
γ 53.0	15.48	15.13	24.56	21.25
γ 54.0	14.60	14.18	22.73	19.86
γ 55.0	13.78	13.34	21.11	18.63
γ 56.0	13.05	12.52	19.61	17.46
γ 57.0	12.36	11.73	18.24	16.48
γ 58.0	11.69	11.02	17.00	15.55
γ 59.0	11.06	10.36	15.79	14.75
γ 60.0	10.52	9.71	14.71	13.94
γ 61.0	10.01	8.97	13.70	13.18
γ 62.0	9.44	8.47	12.71	12.48
γ 63.0	8.96	8.00	11.42	11.82
γ 64.0	8.55	7.56	10.49	11.15
γ 65.0	8.17	7.14	9.88	10.32
γ 66.0	7.79	6.73	9.32	9.79
γ 67.0	7.42	6.33	8.78	9.32
γ 68.0	7.07	5.92	8.24	8.88
γ 69.0	6.72	5.56	7.74	8.44
γ 70.0	6.36	5.19	7.23	8.01
γ 71.0	6.03	4.86	6.74	7.59
γ 72.0	5.71	4.53	6.29	7.17
γ 73.0	5.41	4.23	5.85	6.78
γ 74.0	5.11	3.98	5.42	6.39
γ 75.0	4.83	3.80	5.03	6.01
γ 76.0	4.59	3.63	4.67	5.64
γ 77.0	4.41	3.48	4.39	5.31
γ 78.0	4.24	3.34	4.18	4.96
γ 79.0	4.08	3.20	3.99	4.74
γ 80.0	3.92	3.07	3.80	4.54
γ 81.0	3.78	2.93	3.64	4.36
γ 82.0	3.63	2.83	3.48	4.18
γ 83.0	3.51	2.72	3.33	4.01
γ 84.0	3.37	2.59	3.19	3.86
γ 85.0	3.22	2.46	3.05	3.72
γ 86.0	3.07	2.36	2.92	3.57
γ 87.0	2.94	2.25	2.78	3.43
γ 88.0	2.82	2.17	2.65	3.28
γ 89.0	2.72	2.12	2.53	3.13
γ 90.0	2.65	2.07	2.41	2.98
γ 91.0	2.60	2.03	2.32	2.84
γ 92.0	2.55	1.99	2.25	2.73
γ 93.0	2.50	1.95	2.18	2.66

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.44	1.91	2.12	2.59
γ 95.0	2.40	1.88	2.06	2.50
γ 96.0	2.35	1.86	2.00	2.44
γ 97.0	2.32	1.83	1.96	2.38
γ 98.0	2.28	1.80	1.91	2.32
γ 99.0	2.25	1.78	1.87	2.26
γ 100.0	2.21	1.76	1.83	2.21
γ 101.0	2.19	1.75	1.81	2.16
γ 102.0	2.16	1.73	1.77	2.12
γ 103.0	2.14	1.72	1.75	2.08
γ 104.0	2.12	1.70	1.73	2.05
γ 105.0	2.10	1.70	1.71	2.02
γ 106.0	2.08	1.68	1.70	2.00
γ 107.0	2.06	1.67	1.69	1.98
γ 108.0	2.05	1.64	1.68	1.95
γ 109.0	2.03	1.63	1.68	1.94
γ 110.0	2.00	1.62	1.67	1.93
γ 111.0	1.99	1.61	1.67	1.92
γ 112.0	1.97	1.60	1.67	1.91
γ 113.0	1.96	1.58	1.67	1.90
γ 114.0	1.94	1.57	1.67	1.90
γ 115.0	1.93	1.55	1.67	1.90
γ 116.0	1.90	1.55	1.68	1.89
γ 117.0	1.89	1.54	1.69	1.89
γ 118.0	1.88	1.54	1.70	1.90
γ 119.0	1.88	1.54	1.71	1.90
γ 120.0	1.87	1.54	1.72	1.91
γ 121.0	1.88	1.56	1.73	1.92
γ 122.0	1.89	1.59	1.76	1.93
γ 123.0	1.91	1.62	1.78	1.94
γ 124.0	1.93	1.65	1.80	1.96
γ 125.0	1.96	1.68	1.83	1.98
γ 126.0	2.00	1.74	1.87	2.01
γ 127.0	2.04	1.80	1.91	2.04
γ 128.0	2.09	1.86	1.96	2.07
γ 129.0	2.15	1.93	2.02	2.11
γ 130.0	2.21	2.01	2.07	2.16
γ 131.0	2.29	2.10	2.14	2.22
γ 132.0	2.39	2.20	2.23	2.29
γ 133.0	2.48	2.31	2.32	2.36
γ 134.0	2.57	2.42	2.41	2.44
γ 135.0	2.68	2.54	2.52	2.53
γ 136.0	2.80	2.68	2.64	2.63
γ 137.0	2.91	2.82	2.76	2.73
γ 138.0	3.06	2.95	2.90	2.85
γ 139.0	3.18	3.10	3.04	2.97
γ 140.0	3.32	3.24	3.18	3.11

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	3.47	3.40	3.33	3.24
γ 142.0	3.62	3.55	3.48	3.38
γ 143.0	3.77	3.70	3.63	3.53
γ 144.0	3.90	3.83	3.78	3.68
γ 145.0	4.05	3.97	3.93	3.83
γ 146.0	4.19	4.10	4.07	3.97
γ 147.0	4.31	4.23	4.22	4.11
γ 148.0	4.45	4.34	4.35	4.25
γ 149.0	4.57	4.46	4.47	4.37
γ 150.0	4.68	4.55	4.58	4.50
γ 151.0	4.77	4.65	4.69	4.60
γ 152.0	4.87	4.72	4.79	4.70
γ 153.0	4.95	4.79	4.89	4.80
γ 154.0	5.02	4.86	4.96	4.88
γ 155.0	5.09	4.91	5.03	4.95
γ 156.0	5.14	4.95	5.09	5.01
γ 157.0	5.19	5.00	5.16	5.07
γ 158.0	5.23	5.04	5.20	5.12
γ 159.0	5.27	5.09	5.26	5.16
γ 160.0	5.30	5.10	5.30	5.19
γ 161.0	5.34	5.13	5.34	5.23
γ 162.0	5.37	5.14	5.37	5.26
γ 163.0	5.38	5.17	5.40	5.28
γ 164.0	5.39	5.19	5.43	5.31
γ 165.0	5.41	5.19	5.46	5.33
γ 166.0	5.41	5.19	5.47	5.34
γ 167.0	5.41	5.20	5.48	5.36
γ 168.0	5.40	5.19	5.49	5.35
γ 169.0	5.38	5.18	5.49	5.36
γ 170.0	5.37	5.18	5.48	5.36
γ 171.0	5.35	5.17	5.45	5.34
γ 172.0	5.31	5.15	5.43	5.33
γ 173.0	5.30	5.14	5.41	5.30
γ 174.0	5.28	5.15	5.38	5.28
γ 175.0	5.27	5.15	5.36	5.25
γ 176.0	5.24	5.16	5.32	5.24
γ 177.0	5.24	5.16	5.30	5.22
γ 178.0	5.24	5.16	5.29	5.22
γ 179.0	5.22	5.14	5.28	5.20
γ 180.0	5.23	5.23	5.23	5.23
