

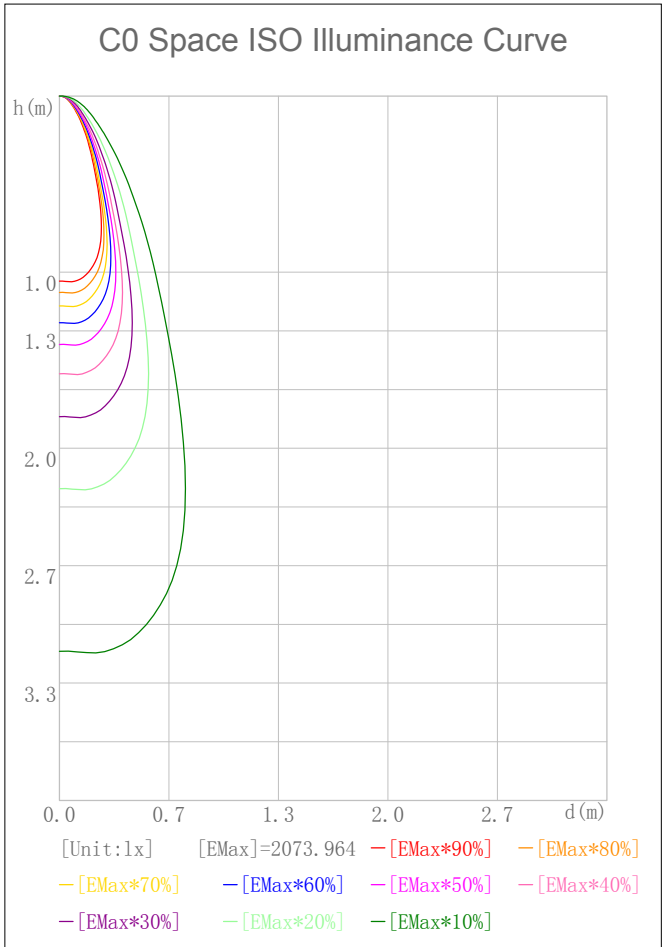
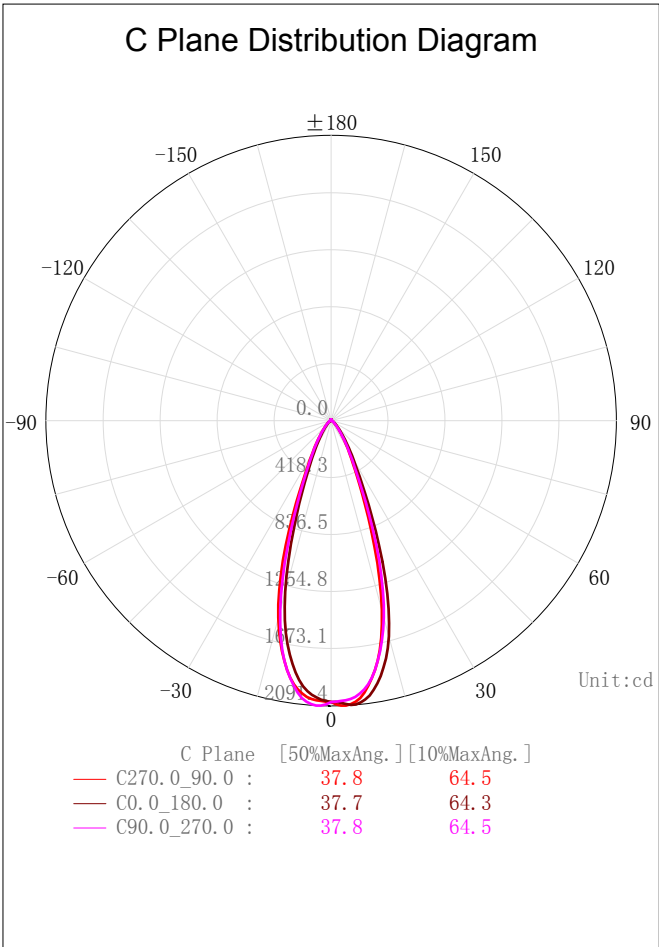
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/24
Manufacture: Shenzhen Norming Lighting Co., Ltd	Shld.Ang(°):	Test Machine:GON-2000
Test Lab: QUality peatment	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.050m*0.050m*0.650m	Lum. Area (m2):0.035	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

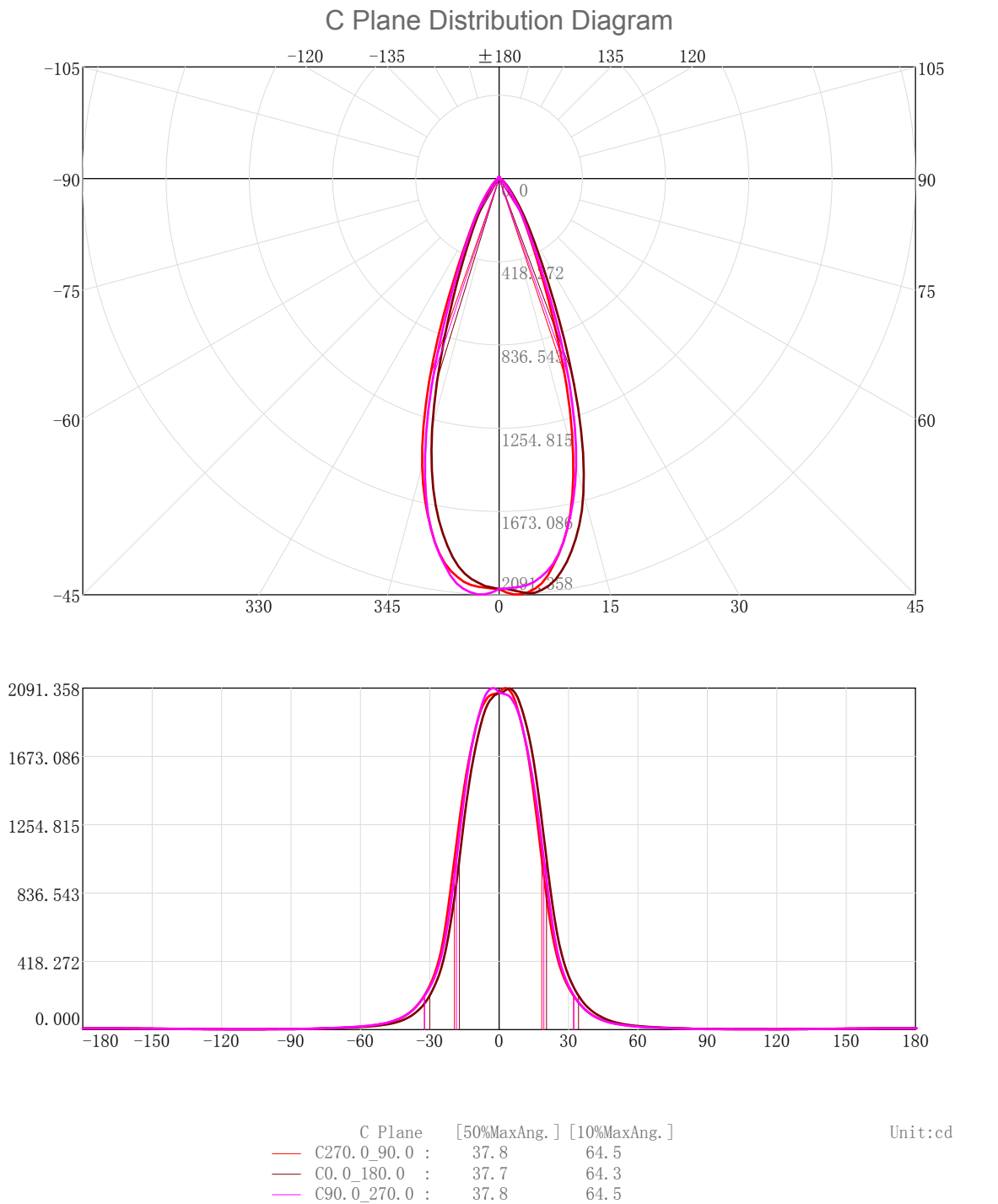
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1040.350	Luminary Flux(lm): 1040.349	Field Angle(10%Imax): 64.5(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1014.153lm 97.48%
Rated Voltage(V):	Luminary EER(lm/W): 84.035	Up Lumens&Percent: 26.196lm 2.52%
Tested Power(W): 12.380	Max. Candela(cd): 2091.358	S/MH: C0_a180=0.634 C90_270=0.635
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=3.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.5, 0.054	Beam Angle(50%Imax): 37.8(°)	ErP Φ use(90°): 921.357lm
Lamp Size(W*L*H):0.050m*0.050m*0.650m	Left=-19.3°, Right=18.4°	IRF(%): 421.208



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24



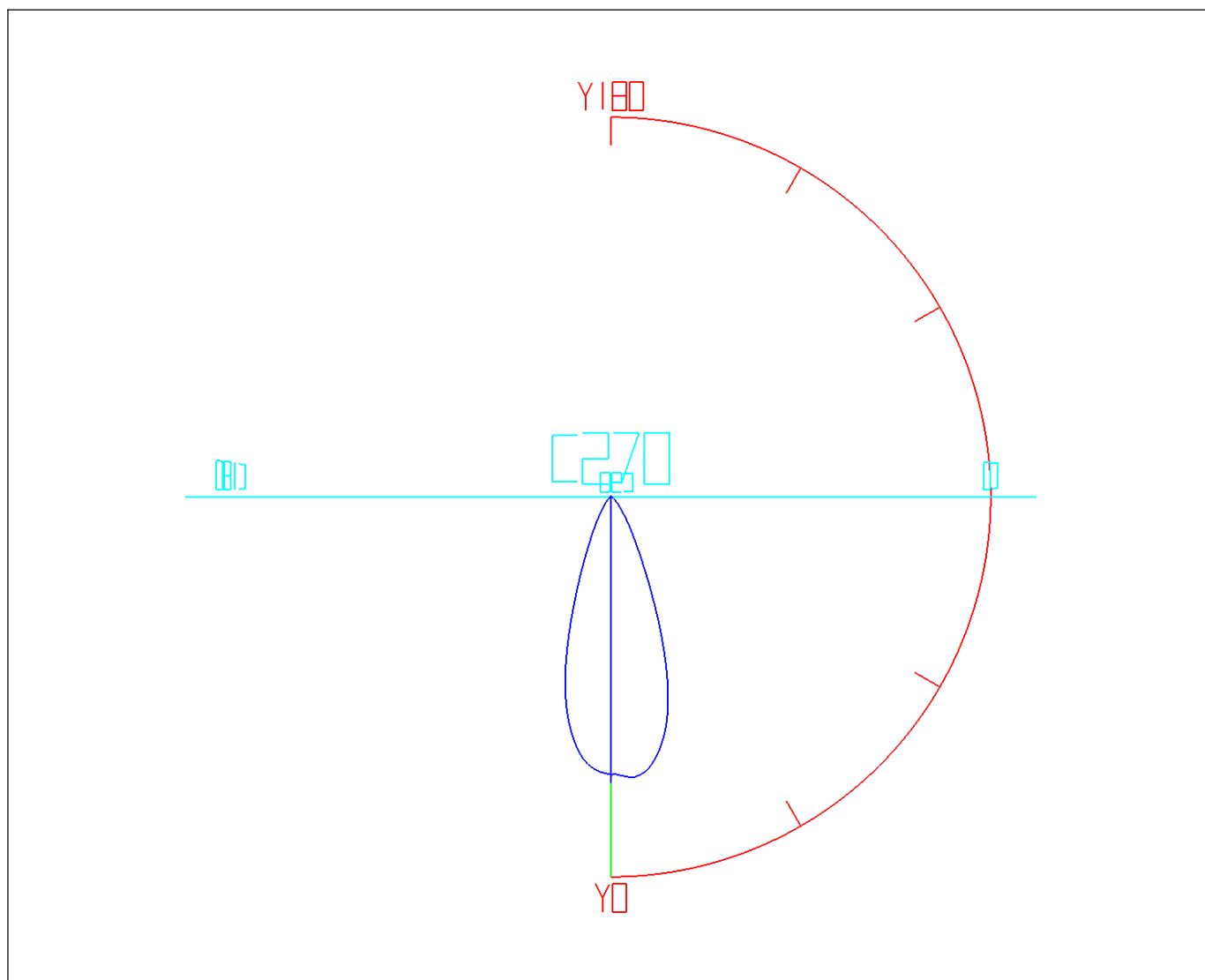
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

## 3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

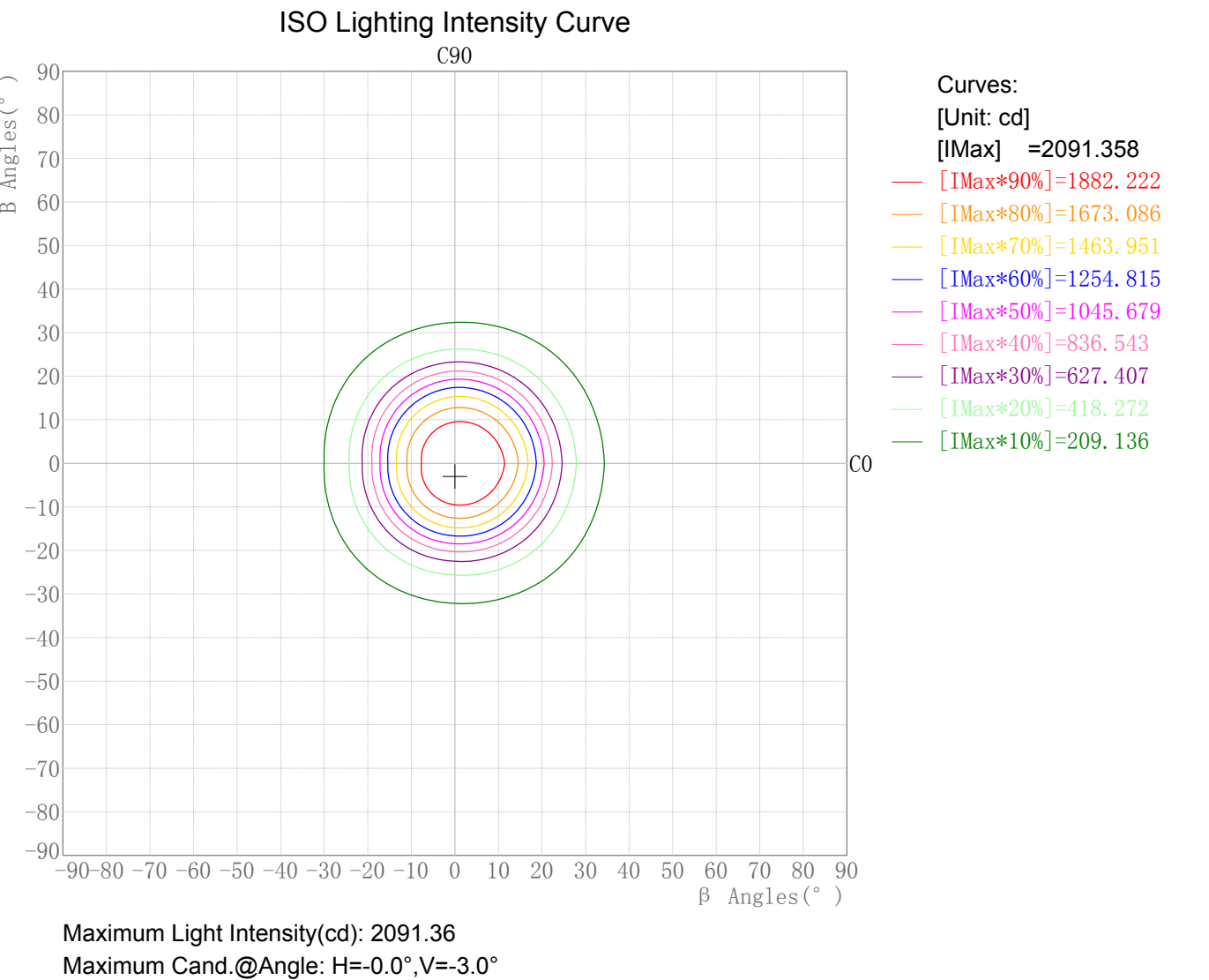
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.97	1.97	0.19	0.19	47.0-48.0	3.74	952.89	0.36	91.59
1.0-2.0	5.93	7.90	0.57	0.76	48.0-49.0	3.50	956.39	0.34	91.93
2.0-3.0	9.88	17.78	0.95	1.71	49.0-50.0	3.28	959.68	0.32	92.25
3.0-4.0	13.80	31.58	1.33	3.04	50.0-51.0	3.09	962.77	0.30	92.54
4.0-5.0	17.65	49.23	1.70	4.73	51.0-52.0	2.91	965.67	0.28	92.82
5.0-6.0	21.38	70.60	2.05	6.79	52.0-53.0	2.74	968.41	0.26	93.09
6.0-7.0	24.92	95.53	2.40	9.18	53.0-54.0	2.59	971.00	0.25	93.33
7.0-8.0	28.24	123.76	2.71	11.90	54.0-55.0	2.45	973.45	0.24	93.57
8.0-9.0	31.28	155.04	3.01	14.90	55.0-56.0	2.32	975.76	0.22	93.79
9.0-10.0	34.02	189.06	3.27	18.17	56.0-57.0	2.20	977.96	0.21	94.00
10.0-11.0	36.41	225.47	3.50	21.67	57.0-58.0	2.09	980.04	0.20	94.20
11.0-12.0	38.41	263.88	3.69	25.36	58.0-59.0	1.99	982.03	0.19	94.39
12.0-13.0	39.97	303.84	3.84	29.21	59.0-60.0	1.90	983.93	0.18	94.58
13.0-14.0	41.04	344.88	3.94	33.15	60.0-61.0	1.81	985.74	0.17	94.75
14.0-15.0	41.56	386.44	3.99	37.15	61.0-62.0	1.73	987.47	0.17	94.92
15.0-16.0	41.48	427.92	3.99	41.13	62.0-63.0	1.66	989.12	0.16	95.08
16.0-17.0	40.81	468.73	3.92	45.05	63.0-64.0	1.59	990.71	0.15	95.23
17.0-18.0	39.55	508.28	3.80	48.86	64.0-65.0	1.52	992.23	0.15	95.37
18.0-19.0	37.79	546.07	3.63	52.49	65.0-66.0	1.46	993.69	0.14	95.51
19.0-20.0	35.67	581.74	3.43	55.92	66.0-67.0	1.40	995.08	0.13	95.65
20.0-21.0	33.26	615.00	3.20	59.11	67.0-68.0	1.34	996.42	0.13	95.78
21.0-22.0	30.69	645.68	2.95	62.06	68.0-69.0	1.29	997.71	0.12	95.90
22.0-23.0	28.10	673.78	2.70	64.76	69.0-70.0	1.23	998.94	0.12	96.02
23.0-24.0	25.61	699.40	2.46	67.23	70.0-71.0	1.18	1000.12	0.11	96.13
24.0-25.0	23.32	722.72	2.24	69.47	71.0-72.0	1.13	1001.25	0.11	96.24
25.0-26.0	21.27	743.99	2.04	71.51	72.0-73.0	1.08	1002.34	0.10	96.35
26.0-27.0	19.47	763.46	1.87	73.38	73.0-74.0	1.03	1003.37	0.10	96.45
27.0-28.0	17.89	781.35	1.72	75.10	74.0-75.0	0.99	1004.36	0.09	96.54
28.0-29.0	16.50	797.85	1.59	76.69	75.0-76.0	0.94	1005.30	0.09	96.63
29.0-30.0	15.25	813.10	1.47	78.16	76.0-77.0	0.90	1006.20	0.09	96.72
30.0-31.0	14.11	827.21	1.36	79.51	77.0-78.0	0.85	1007.05	0.08	96.80
31.0-32.0	13.04	840.25	1.25	80.77	78.0-79.0	0.81	1007.86	0.08	96.88
32.0-33.0	12.04	852.30	1.16	81.92	79.0-80.0	0.76	1008.62	0.07	96.95
33.0-34.0	11.10	863.40	1.07	82.99	80.0-81.0	0.72	1009.34	0.07	97.02
34.0-35.0	10.22	873.62	0.98	83.97	81.0-82.0	0.67	1010.02	0.06	97.08
35.0-36.0	9.40	883.03	0.90	84.88	82.0-83.0	0.63	1010.65	0.06	97.14
36.0-37.0	8.66	891.68	0.83	85.71	83.0-84.0	0.59	1011.24	0.06	97.20
37.0-38.0	7.97	899.65	0.77	86.48	84.0-85.0	0.55	1011.79	0.05	97.25
38.0-39.0	7.35	907.00	0.71	87.18	85.0-86.0	0.52	1012.31	0.05	97.30
39.0-40.0	6.79	913.79	0.65	87.83	86.0-87.0	0.49	1012.80	0.05	97.35
40.0-41.0	6.27	920.06	0.60	88.44	87.0-88.0	0.47	1013.27	0.05	97.40
41.0-42.0	5.80	925.86	0.56	89.00	88.0-89.0	0.45	1013.72	0.04	97.44
42.0-43.0	5.37	931.23	0.52	89.51	89.0-90.0	0.44	1014.15	0.04	97.48
43.0-44.0	4.98	936.21	0.48	89.99	90.0-91.0	0.43	1014.58	0.04	97.52
44.0-45.0	4.62	940.84	0.44	90.43	91.0-92.0	0.42	1015.00	0.04	97.56
45.0-46.0	4.30	945.14	0.41	90.85	92.0-93.0	0.41	1015.40	0.04	97.60
46.0-47.0	4.01	949.15	0.39	91.23	93.0-94.0	0.40	1015.80	0.04	97.64

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	0.39	1016.19	0.04	97.68	141.0-142.0	0.36	1030.93	0.03	99.09
95.0-96.0	0.38	1016.57	0.04	97.71	142.0-143.0	0.37	1031.30	0.04	99.13
96.0-97.0	0.37	1016.95	0.04	97.75	143.0-144.0	0.37	1031.67	0.04	99.17
97.0-98.0	0.37	1017.31	0.04	97.79	144.0-145.0	0.37	1032.04	0.04	99.20
98.0-99.0	0.36	1017.67	0.03	97.82	145.0-146.0	0.37	1032.41	0.04	99.24
99.0-100.0	0.35	1018.03	0.03	97.85	146.0-147.0	0.37	1032.78	0.04	99.27
100.0-101.0	0.35	1018.37	0.03	97.89	147.0-148.0	0.37	1033.15	0.04	99.31
101.0-102.0	0.34	1018.71	0.03	97.92	148.0-149.0	0.37	1033.52	0.04	99.34
102.0-103.0	0.33	1019.05	0.03	97.95	149.0-150.0	0.37	1033.89	0.04	99.38
103.0-104.0	0.33	1019.37	0.03	97.98	150.0-151.0	0.37	1034.26	0.04	99.41
104.0-105.0	0.32	1019.70	0.03	98.01	151.0-152.0	0.36	1034.62	0.03	99.45
105.0-106.0	0.32	1020.01	0.03	98.05	152.0-153.0	0.36	1034.98	0.03	99.48
106.0-107.0	0.31	1020.33	0.03	98.08	153.0-154.0	0.35	1035.33	0.03	99.52
107.0-108.0	0.31	1020.63	0.03	98.10	154.0-155.0	0.35	1035.68	0.03	99.55
108.0-109.0	0.30	1020.93	0.03	98.13	155.0-156.0	0.34	1036.01	0.03	99.58
109.0-110.0	0.30	1021.23	0.03	98.16	156.0-157.0	0.33	1036.34	0.03	99.62
110.0-111.0	0.29	1021.53	0.03	98.19	157.0-158.0	0.32	1036.67	0.03	99.65
111.0-112.0	0.29	1021.82	0.03	98.22	158.0-159.0	0.31	1036.98	0.03	99.68
112.0-113.0	0.29	1022.11	0.03	98.25	159.0-160.0	0.30	1037.28	0.03	99.70
113.0-114.0	0.28	1022.39	0.03	98.27	160.0-161.0	0.29	1037.57	0.03	99.73
114.0-115.0	0.28	1022.67	0.03	98.30	161.0-162.0	0.28	1037.85	0.03	99.76
115.0-116.0	0.28	1022.96	0.03	98.33	162.0-163.0	0.26	1038.11	0.03	99.78
116.0-117.0	0.28	1023.23	0.03	98.35	163.0-164.0	0.25	1038.36	0.02	99.81
117.0-118.0	0.28	1023.51	0.03	98.38	164.0-165.0	0.24	1038.60	0.02	99.83
118.0-119.0	0.28	1023.79	0.03	98.41	165.0-166.0	0.22	1038.82	0.02	99.85
119.0-120.0	0.28	1024.06	0.03	98.43	166.0-167.0	0.21	1039.03	0.02	99.87
120.0-121.0	0.28	1024.34	0.03	98.46	167.0-168.0	0.19	1039.22	0.02	99.89
121.0-122.0	0.28	1024.62	0.03	98.49	168.0-169.0	0.18	1039.40	0.02	99.91
122.0-123.0	0.28	1024.90	0.03	98.51	169.0-170.0	0.16	1039.56	0.02	99.92
123.0-124.0	0.28	1025.17	0.03	98.54	170.0-171.0	0.15	1039.71	0.01	99.94
124.0-125.0	0.28	1025.46	0.03	98.57	171.0-172.0	0.13	1039.84	0.01	99.95
125.0-126.0	0.28	1025.74	0.03	98.60	172.0-173.0	0.12	1039.96	0.01	99.96
126.0-127.0	0.29	1026.03	0.03	98.62	173.0-174.0	0.10	1040.06	0.01	99.97
127.0-128.0	0.29	1026.32	0.03	98.65	174.0-175.0	0.09	1040.15	0.01	99.98
128.0-129.0	0.30	1026.62	0.03	98.68	175.0-176.0	0.07	1040.22	0.01	99.99
129.0-130.0	0.30	1026.92	0.03	98.71	176.0-177.0	0.06	1040.28	0.01	99.99
130.0-131.0	0.30	1027.22	0.03	98.74	177.0-178.0	0.04	1040.32	0.00	100.00
131.0-132.0	0.31	1027.53	0.03	98.77	178.0-179.0	0.02	1040.34	0.00	100.00
132.0-133.0	0.32	1027.85	0.03	98.80	179.0-180.0	0.01	1040.35	0.00	100.00
133.0-134.0	0.32	1028.17	0.03	98.83					
134.0-135.0	0.33	1028.49	0.03	98.86					
135.0-136.0	0.33	1028.83	0.03	98.89					
136.0-137.0	0.34	1029.17	0.03	98.92					
137.0-138.0	0.34	1029.51	0.03	98.96					
138.0-139.0	0.35	1029.86	0.03	98.99					
139.0-140.0	0.35	1030.21	0.03	99.03					
140.0-141.0	0.36	1030.57	0.03	99.06					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24



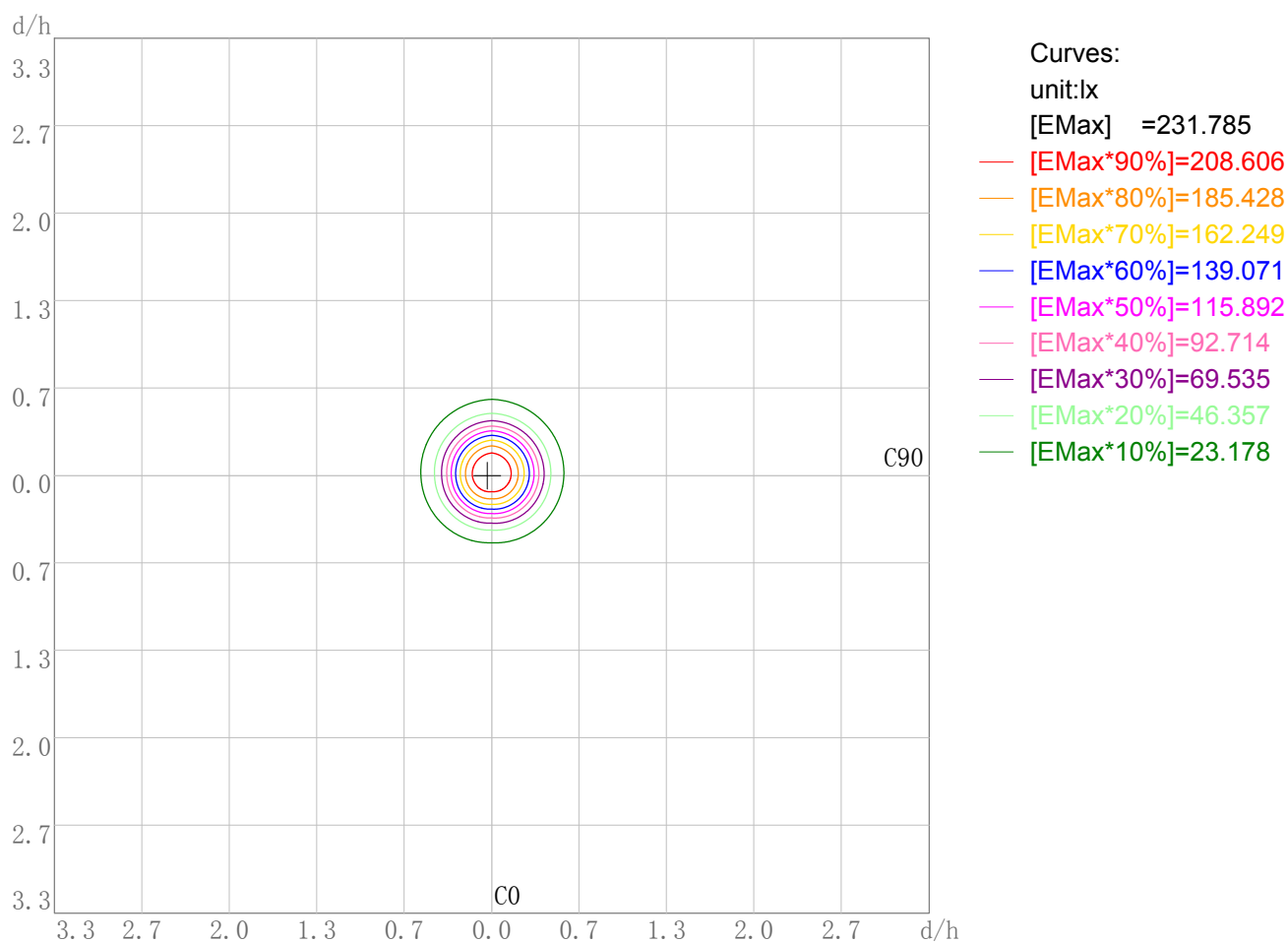
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 231.78

Working Plane Maximum Illuminance Position(d/h):H-0.0 V-0.0

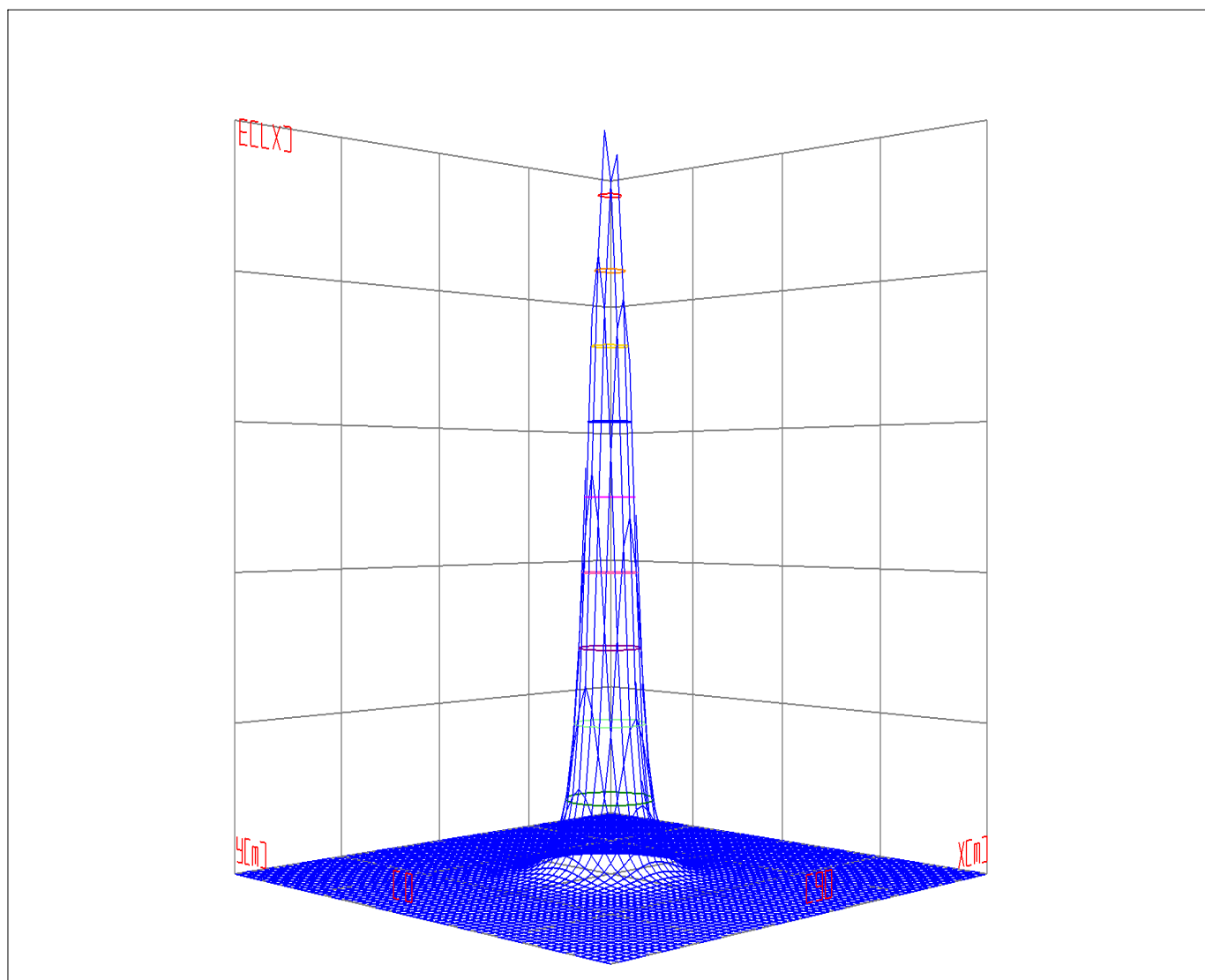
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

## 3D Plane Illuminance Modal



Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



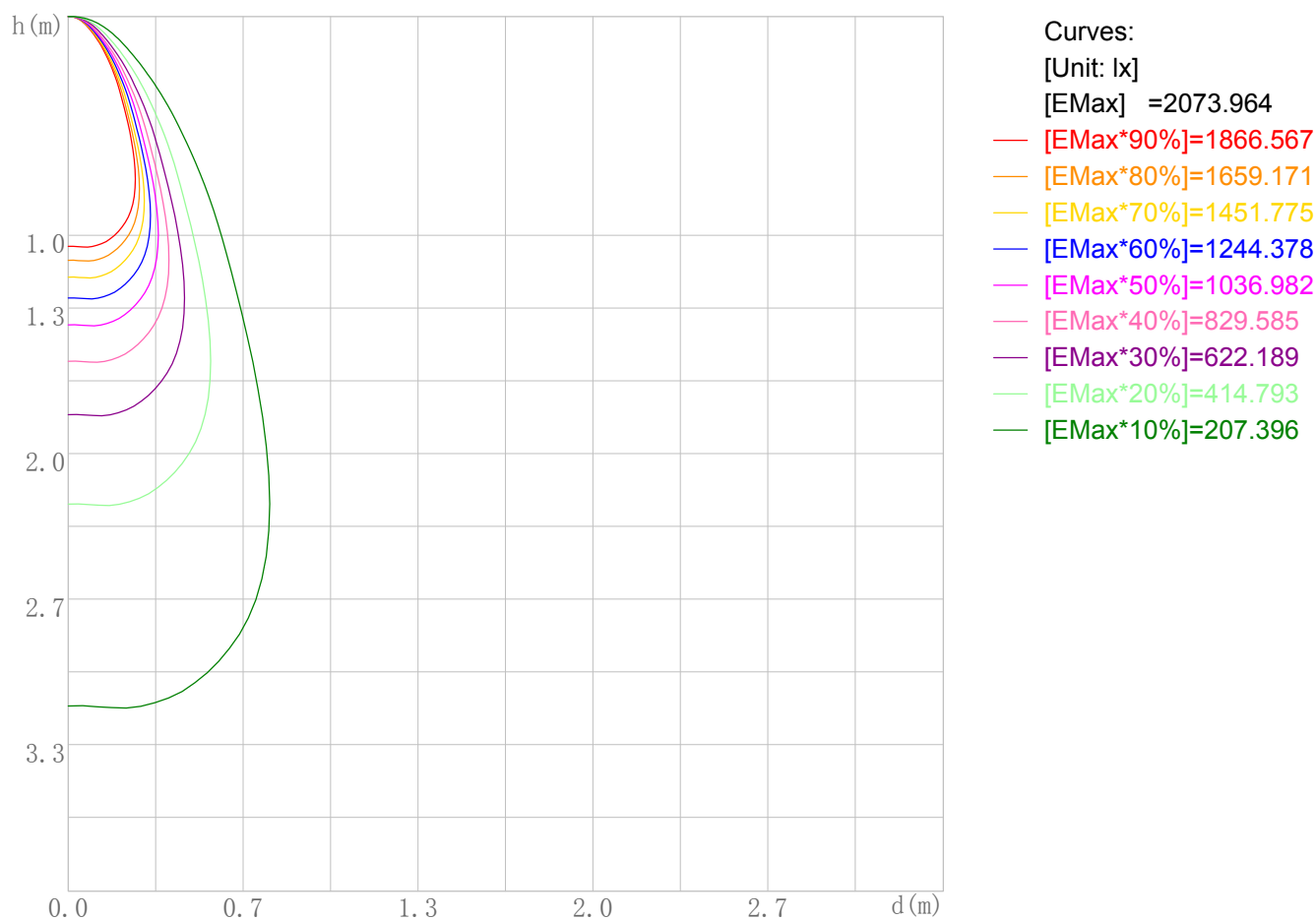
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

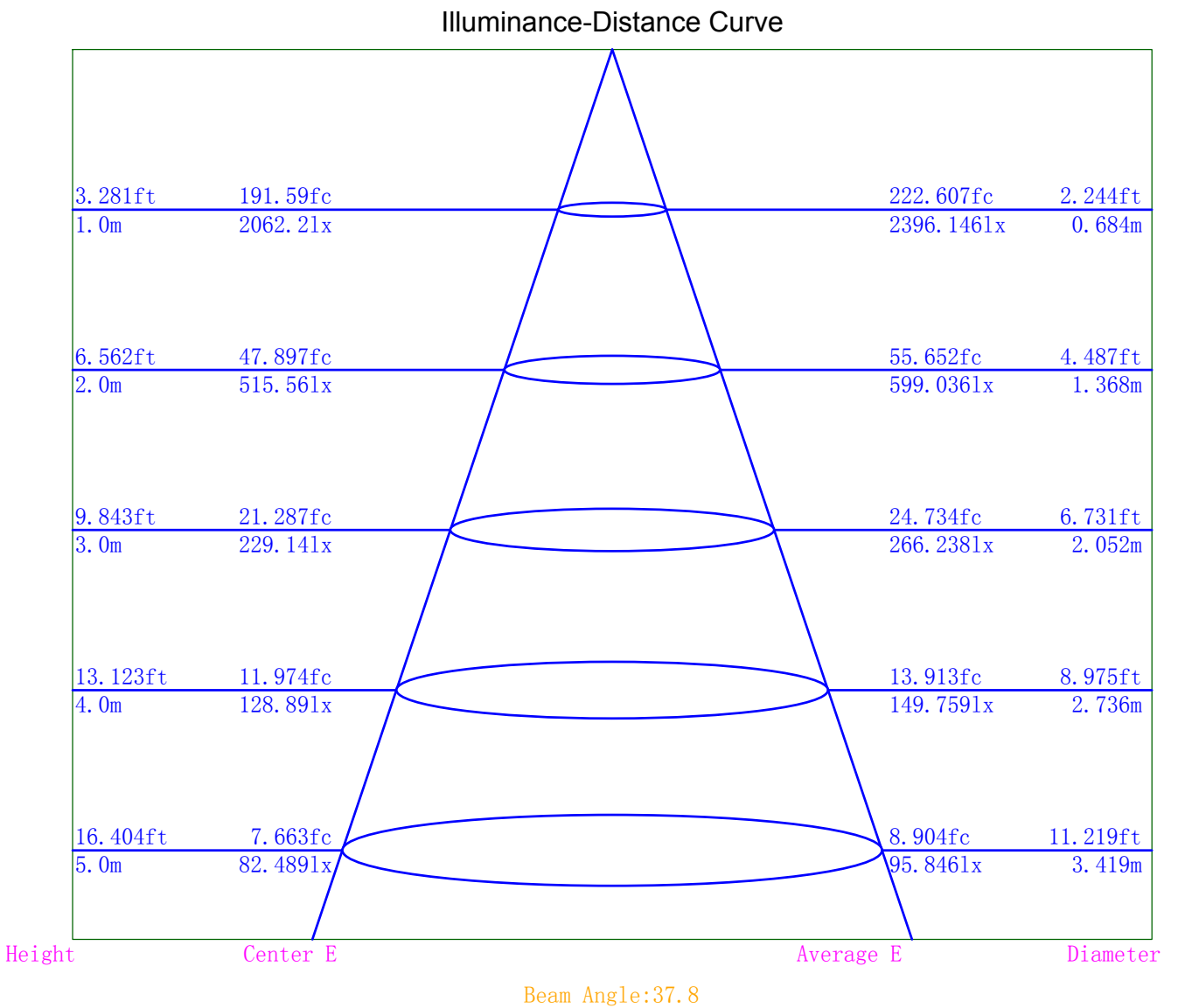
## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2073.96lx,4.0deg  
Plane Maximum Lighting Intensity and @Angle:2089.194cd,0deg

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24



# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

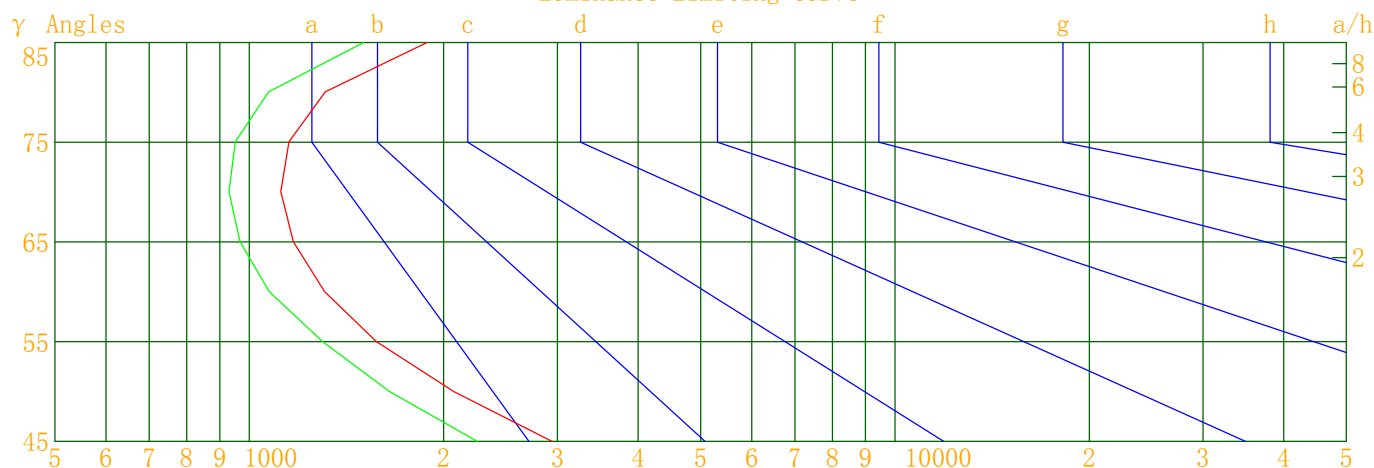
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E	a				2000	1000	500	$\leq 300$
			b	c	d	e	f	g	h

Luminance Table

Gama(deg)	45	50	55	60	65	70	75	80	85
C0	2943	2071	1573	1308	1170	1119	1152	1312	1884
C90	2255	1648	1298	1073	968	930	951	1071	1503

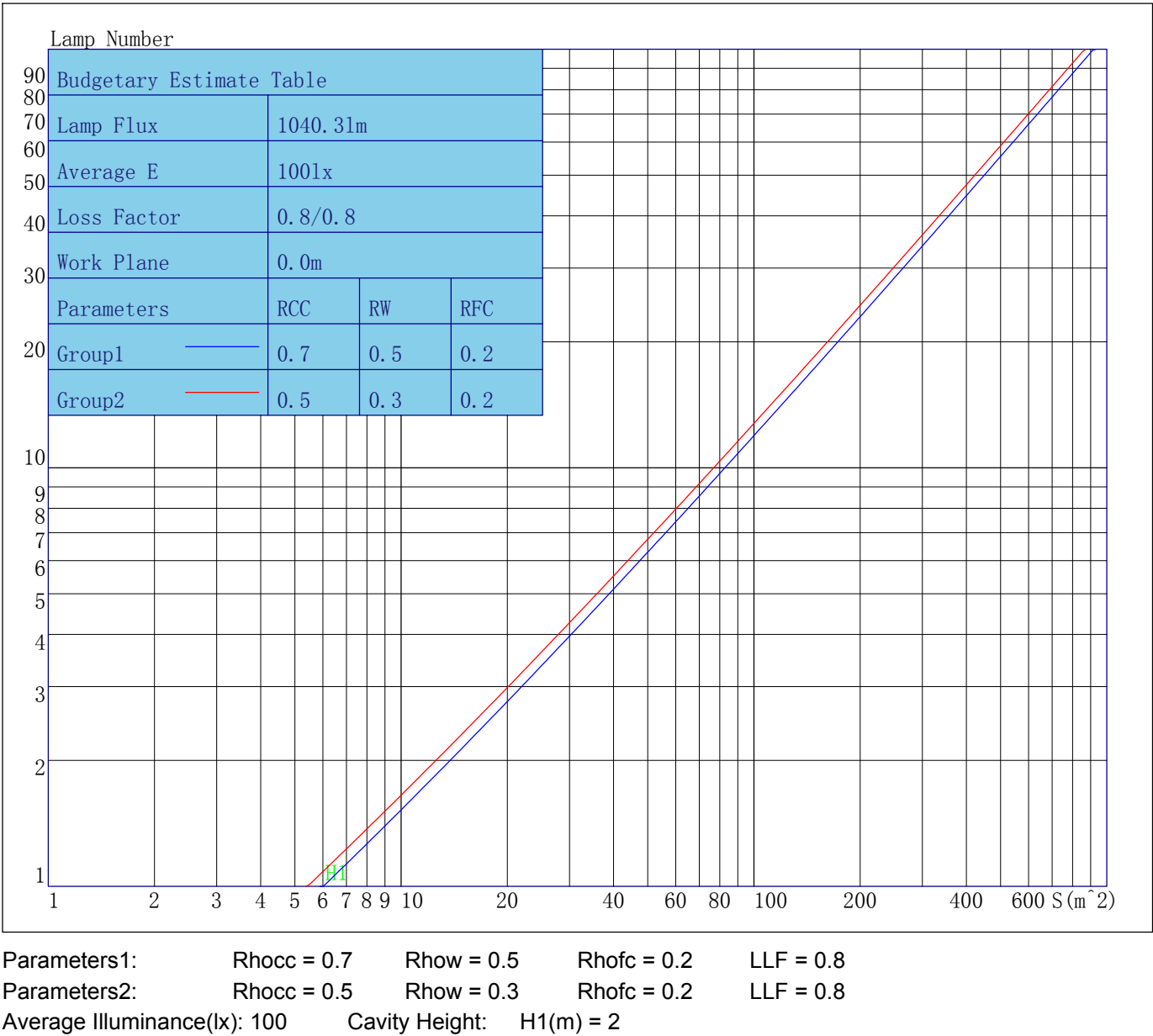
Luminance Limiting Curve



Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.650 Area(m<sup>2</sup>)=0.035000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:MD10-13-XX-03 2700K RA90 36D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24



Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-XX-03 2700K RA90 36D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: QQualty peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/24

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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	97
1	113	110	108	105	110	108	106	103	103	101	100	99	98	96	95	94	93	91
2	108	103	99	96	105	101	97	94	97	94	92	94	92	90	91	89	87	86
3	103	97	92	88	101	95	91	87	92	88	85	89	86	84	87	84	82	81
4	98	91	86	82	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	94	86	81	77	92	85	80	76	83	79	75	81	77	74	79	76	74	72
6	90	82	76	72	88	81	76	72	79	75	71	78	74	71	76	73	70	69
7	86	78	72	68	85	77	72	68	76	71	68	74	70	67	73	69	67	65
8	83	74	69	65	82	74	68	65	72	68	64	71	67	64	70	66	64	62
9	80	71	66	62	78	70	65	62	69	65	61	68	64	61	67	64	61	60
10	77	68	63	59	76	67	62	59	66	62	59	66	61	59	65	61	58	57

Unified Glare Rating Table

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID; Lamp Name, Lamp Catalog, Test Lab; Manufacture, Test Machine, Test Date.

Unified Glare Rating Table

Table with 11 columns for room dimensions and UGR values. Includes sections for variations with observer position and reduced UGR table.

to 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	2062.23	2062.23	2062.23	2062.23
γ 1.0	2061.30	2060.05	2054.22	2079.70
γ 2.0	2070.15	2055.73	2047.80	2089.88
γ 3.0	2079.52	2052.65	2031.89	2091.36
γ 4.0	2089.19	2045.89	2015.23	2082.72
γ 5.0	2087.84	2032.96	1990.81	2068.07
γ 6.0	2076.30	2011.16	1958.29	2044.85
γ 7.0	2059.46	1986.27	1915.47	2008.80
γ 8.0	2034.56	1952.45	1863.61	1961.53
γ 9.0	1997.41	1909.58	1806.04	1911.96
γ 10.0	1955.62	1856.78	1742.40	1856.08
γ 11.0	1906.12	1793.51	1671.79	1793.46
γ 12.0	1850.08	1726.90	1591.26	1720.52
γ 13.0	1788.60	1656.06	1502.12	1635.39
γ 14.0	1717.84	1579.44	1405.23	1539.87
γ 15.0	1636.45	1494.02	1299.08	1437.35
γ 16.0	1544.04	1400.96	1184.17	1328.14
γ 17.0	1443.37	1299.53	1066.33	1214.79
γ 18.0	1333.31	1190.56	949.23	1097.32
γ 19.0	1218.69	1081.47	839.24	979.57
γ 20.0	1101.33	968.66	740.55	865.72
γ 21.0	984.91	857.47	649.34	759.91
γ 22.0	873.84	750.78	566.03	665.88
γ 23.0	771.10	652.05	493.27	583.18
γ 24.0	678.80	564.21	431.41	512.26
γ 25.0	595.84	490.56	378.99	450.97
γ 26.0	524.35	429.55	334.62	399.55
γ 27.0	462.83	379.61	297.13	355.47
γ 28.0	411.82	337.33	264.35	318.26
γ 29.0	367.56	300.96	235.31	287.14
γ 30.0	329.71	269.68	209.46	259.60
γ 31.0	296.37	241.94	185.99	235.03
γ 32.0	267.11	217.09	165.46	212.31
γ 33.0	239.94	194.46	147.54	191.40
γ 34.0	215.54	174.10	131.87	172.62
γ 35.0	193.67	155.77	118.08	155.01
γ 36.0	173.97	139.43	105.99	139.59
γ 37.0	156.56	125.16	95.18	125.64
γ 38.0	141.44	112.59	85.54	113.05
γ 39.0	128.09	101.48	76.93	102.08
γ 40.0	116.44	91.55	69.41	92.31
γ 41.0	105.82	82.49	62.60	83.89
γ 42.0	96.27	74.43	56.69	76.48
γ 43.0	87.77	67.35	51.41	69.63
γ 44.0	79.92	61.17	46.98	63.52
γ 45.0	72.84	55.80	43.12	58.02
γ 46.0	66.36	51.10	39.64	53.12

# IES Indoor Report

Photometric Filename:MD10-13-XX-03 2700K RA90 36D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	60.51	46.95	36.66	48.77
γ 48.0	55.29	43.37	33.96	44.90
γ 49.0	50.66	40.03	31.56	41.45
γ 50.0	46.59	37.07	29.37	38.38
γ 51.0	43.01	34.44	27.46	35.52
γ 52.0	39.69	32.09	25.67	33.02
γ 53.0	36.72	29.91	24.09	30.76
γ 54.0	34.09	27.92	22.66	28.70
γ 55.0	31.57	26.05	21.37	26.84
γ 56.0	29.42	24.31	20.20	25.17
γ 57.0	27.51	22.72	19.13	23.68
γ 58.0	25.77	21.28	18.15	22.31
γ 59.0	24.24	19.98	17.22	21.08
γ 60.0	22.89	18.78	16.35	19.93
γ 61.0	21.64	17.71	15.56	18.85
γ 62.0	20.45	16.75	14.80	17.87
γ 63.0	19.33	15.87	14.11	16.99
γ 64.0	18.28	15.06	13.46	16.17
γ 65.0	17.31	14.31	12.84	15.39
γ 66.0	16.41	13.59	12.25	14.67
γ 67.0	15.58	12.93	11.69	14.00
γ 68.0	14.80	12.30	11.15	13.36
γ 69.0	14.07	11.69	10.64	12.75
γ 70.0	13.40	11.13	10.15	12.15
γ 71.0	12.75	10.59	9.67	11.60
γ 72.0	12.14	10.05	9.20	11.05
γ 73.0	11.55	9.56	8.75	10.51
γ 74.0	10.99	9.07	8.31	9.99
γ 75.0	10.43	8.62	7.90	9.49
γ 76.0	9.93	8.17	7.48	9.01
γ 77.0	9.40	7.73	7.08	8.54
γ 78.0	8.91	7.30	6.67	8.08
γ 79.0	8.43	6.90	6.28	7.61
γ 80.0	7.97	6.51	5.86	7.15
γ 81.0	7.51	6.13	5.42	6.63
γ 82.0	7.05	5.74	5.04	6.21
γ 83.0	6.55	5.30	4.71	5.83
γ 84.0	6.13	4.91	4.39	5.44
γ 85.0	5.75	4.59	4.14	5.13
γ 86.0	5.35	4.26	3.91	4.83
γ 87.0	5.05	4.04	3.76	4.63
γ 88.0	4.76	3.81	3.66	4.48
γ 89.0	4.56	3.67	3.56	4.36
γ 90.0	4.42	3.58	3.49	4.25
γ 91.0	4.30	3.50	3.41	4.15
γ 92.0	4.23	3.42	3.33	4.05
γ 93.0	4.12	3.36	3.27	3.96



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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.03	3.29	3.20	3.87
γ 95.0	3.93	3.23	3.15	3.80
γ 96.0	3.86	3.18	3.10	3.71
γ 97.0	3.79	3.13	3.05	3.65
γ 98.0	3.72	3.07	3.00	3.58
γ 99.0	3.64	3.02	2.96	3.51
γ 100.0	3.58	2.98	2.92	3.45
γ 101.0	3.51	2.93	2.89	3.39
γ 102.0	3.46	2.89	2.86	3.35
γ 103.0	3.40	2.85	2.83	3.30
γ 104.0	3.34	2.82	2.80	3.26
γ 105.0	3.29	2.78	2.78	3.22
γ 106.0	3.24	2.75	2.77	3.18
γ 107.0	3.19	2.72	2.75	3.14
γ 108.0	3.14	2.69	2.74	3.12
γ 109.0	3.10	2.66	2.74	3.10
γ 110.0	3.06	2.64	2.73	3.07
γ 111.0	3.03	2.62	2.73	3.06
γ 112.0	2.98	2.61	2.75	3.05
γ 113.0	2.95	2.59	2.76	3.04
γ 114.0	2.94	2.59	2.77	3.03
γ 115.0	2.92	2.59	2.79	3.04
γ 116.0	2.90	2.59	2.81	3.04
γ 117.0	2.89	2.60	2.85	3.05
γ 118.0	2.89	2.61	2.88	3.07
γ 119.0	2.88	2.62	2.93	3.09
γ 120.0	2.88	2.65	2.97	3.12
γ 121.0	2.89	2.68	3.03	3.15
γ 122.0	2.92	2.72	3.10	3.19
γ 123.0	2.94	2.76	3.18	3.25
γ 124.0	2.97	2.82	3.25	3.31
γ 125.0	3.00	2.87	3.35	3.38
γ 126.0	3.05	2.93	3.44	3.46
γ 127.0	3.10	3.01	3.55	3.56
γ 128.0	3.16	3.10	3.67	3.65
γ 129.0	3.23	3.19	3.79	3.76
γ 130.0	3.32	3.29	3.93	3.86
γ 131.0	3.41	3.40	4.06	3.98
γ 132.0	3.52	3.53	4.20	4.11
γ 133.0	3.62	3.65	4.35	4.24
γ 134.0	3.75	3.79	4.51	4.37
γ 135.0	3.88	3.94	4.68	4.52
γ 136.0	4.02	4.09	4.84	4.67
γ 137.0	4.16	4.24	5.01	4.83
γ 138.0	4.31	4.41	5.16	4.99
γ 139.0	4.47	4.57	5.35	5.15
γ 140.0	4.62	4.75	5.52	5.31

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.78	4.92	5.69	5.48
γ 142.0	4.96	5.10	5.88	5.65
γ 143.0	5.13	5.26	6.05	5.81
γ 144.0	5.31	5.44	6.21	5.98
γ 145.0	5.47	5.62	6.37	6.14
γ 146.0	5.66	5.78	6.54	6.29
γ 147.0	5.83	5.95	6.70	6.45
γ 148.0	6.00	6.10	6.87	6.61
γ 149.0	6.16	6.25	7.01	6.76
γ 150.0	6.32	6.41	7.17	6.91
γ 151.0	6.48	6.56	7.30	7.05
γ 152.0	6.63	6.71	7.44	7.20
γ 153.0	6.79	6.85	7.56	7.33
γ 154.0	6.94	6.99	7.68	7.44
γ 155.0	7.08	7.13	7.79	7.56
γ 156.0	7.22	7.25	7.89	7.66
γ 157.0	7.35	7.36	7.98	7.76
γ 158.0	7.47	7.48	8.06	7.84
γ 159.0	7.59	7.58	8.11	7.91
γ 160.0	7.68	7.68	8.16	7.98
γ 161.0	7.77	7.75	8.21	8.02
γ 162.0	7.85	7.83	8.24	8.05
γ 163.0	7.92	7.88	8.26	8.08
γ 164.0	7.99	7.93	8.27	8.09
γ 165.0	8.03	7.96	8.28	8.11
γ 166.0	8.06	7.99	8.29	8.12
γ 167.0	8.08	8.01	8.31	8.13
γ 168.0	8.11	8.02	8.30	8.14
γ 169.0	8.13	8.04	8.32	8.14
γ 170.0	8.15	8.05	8.33	8.15
γ 171.0	8.17	8.06	8.34	8.18
γ 172.0	8.20	8.07	8.36	8.19
γ 173.0	8.23	8.10	8.38	8.22
γ 174.0	8.28	8.14	8.40	8.24
γ 175.0	8.30	8.16	8.43	8.26
γ 176.0	8.34	8.20	8.43	8.29
γ 177.0	8.37	8.23	8.45	8.32
γ 178.0	8.40	8.27	8.46	8.35
γ 179.0	8.44	8.29	8.47	8.36
γ 180.0	8.41	8.41	8.41	8.41