

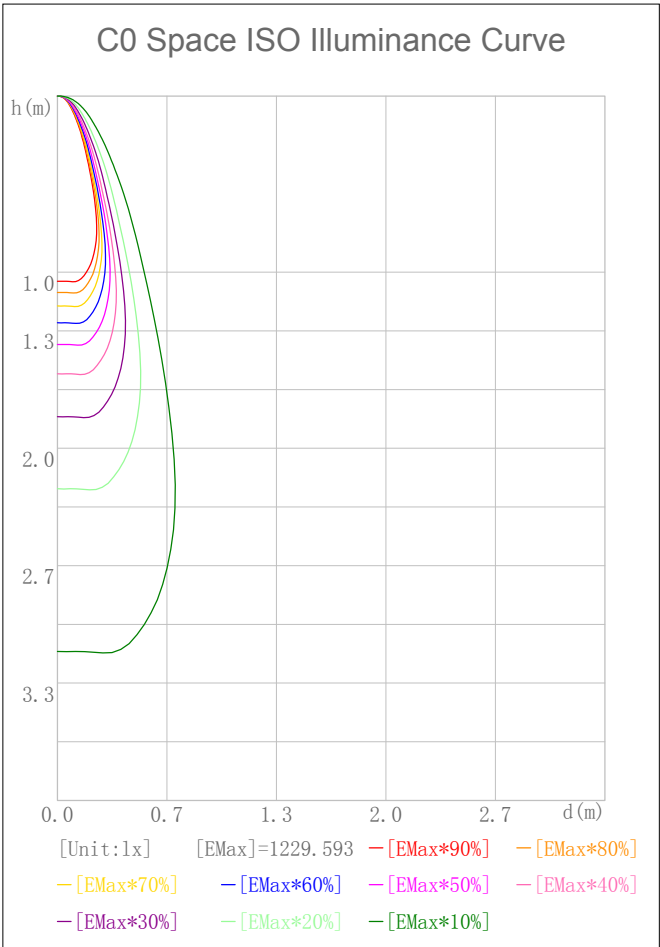
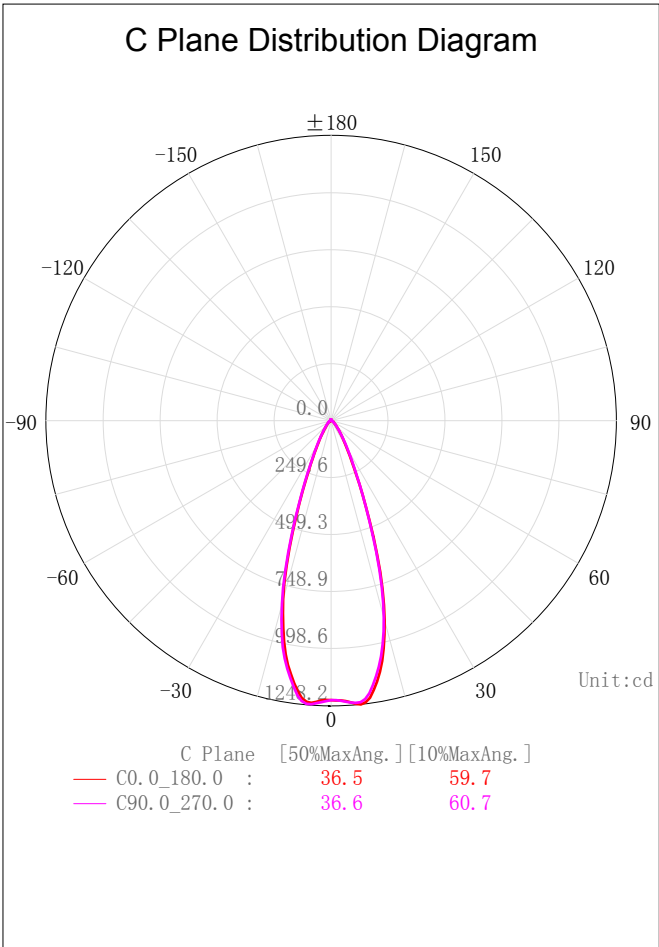
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-06-XX-03 4000K RA90 36D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/11/18
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*0.350m		Lum. Area (m2):0.020	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

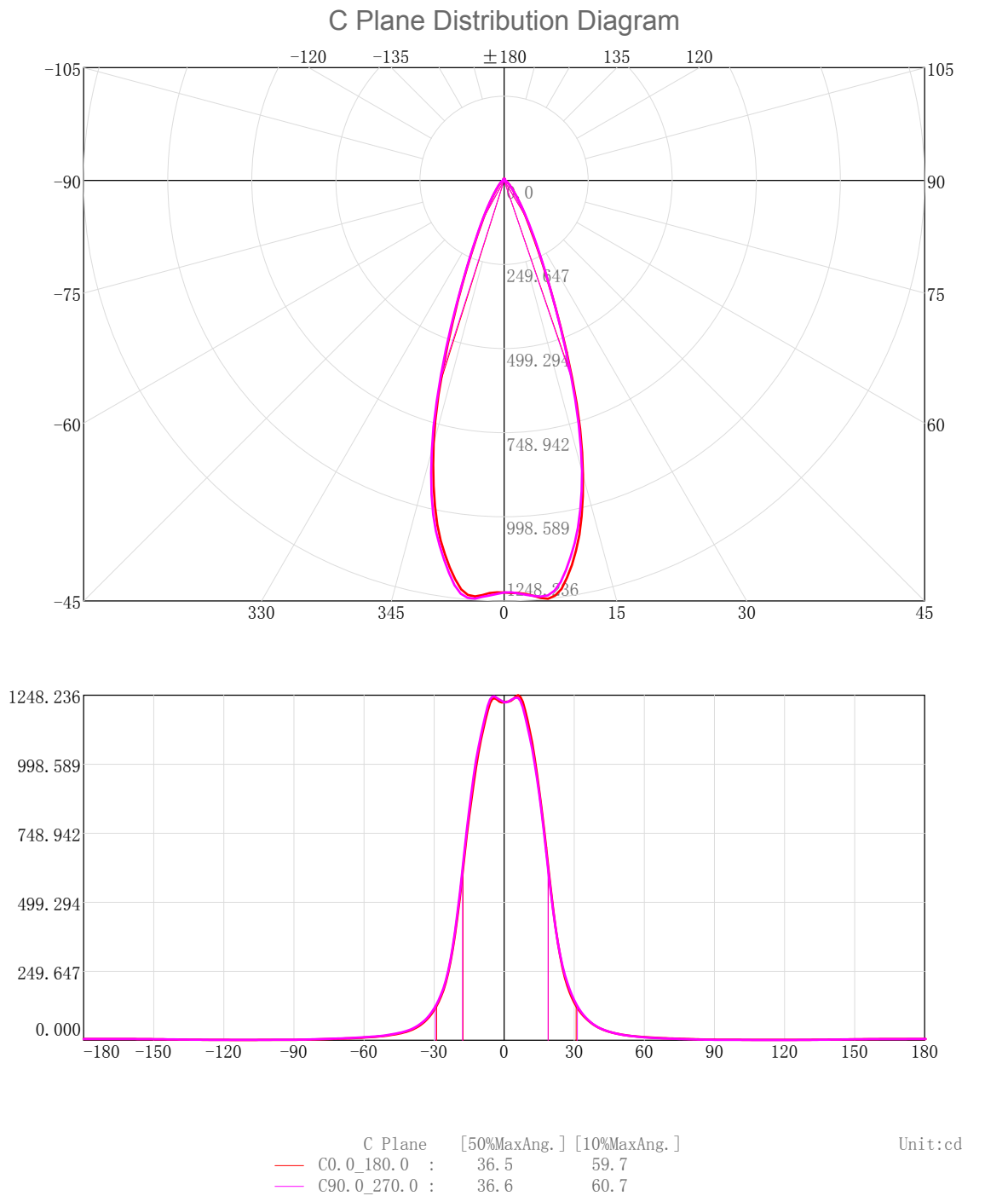
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 576.540	Luminary Flux(lm): 576.544	Field Angle(10%Imax): 59.7(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 560.586lm 97.23%	
Rated Voltage(V):	Luminary EER(lm/W): 105.324	Up Lumens&Percent: 15.958lm 2.77%	
Tested Power(W): 5.474	Max. Candela(cd): 1248.236	S/MH: C0_a180=0.621 C90_270=0.621	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=6.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.3, 0.026, 0.867	Beam Angle(50%Imax): 36.5(°)	ErP Φ use(90°): 518.741lm	
Lamp Size (W*L*H):0.050m*0.050m*0.350m	Left=-17.6°, Right=18.9°	IRF(%): 468.449	



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18



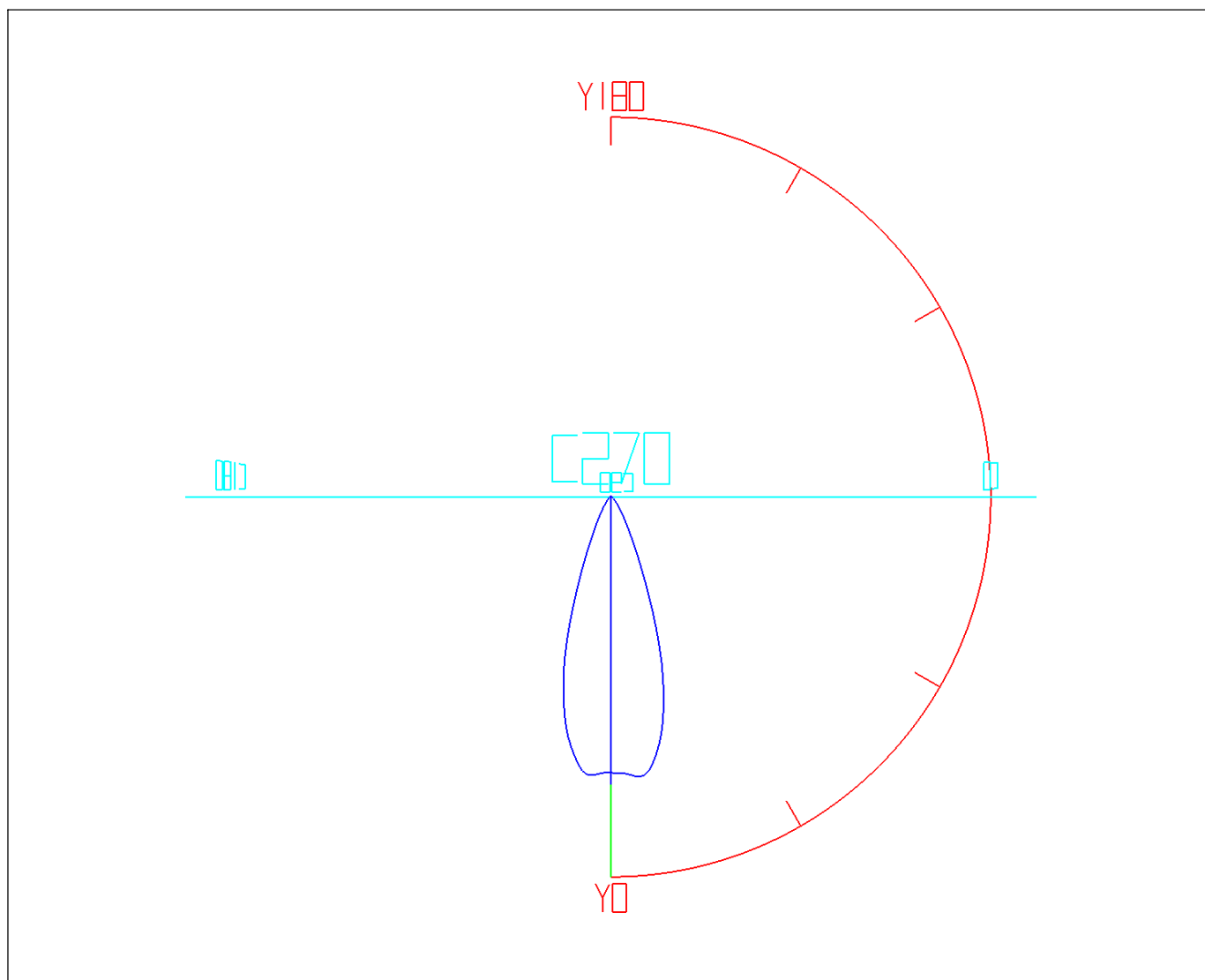
# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

## 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	1.17	1.17	0.20	0.20	47.0-48.0	1.92	526.10	0.33	91.25
1.0-2.0	3.52	4.69	0.61	0.81	48.0-49.0	1.81	527.91	0.31	91.56
2.0-3.0	5.88	10.57	1.02	1.83	49.0-50.0	1.71	529.62	0.30	91.86
3.0-4.0	8.27	18.84	1.43	3.27	50.0-51.0	1.62	531.24	0.28	92.14
4.0-5.0	10.66	29.50	1.85	5.12	51.0-52.0	1.54	532.78	0.27	92.41
5.0-6.0	13.01	42.51	2.26	7.37	52.0-53.0	1.47	534.25	0.25	92.67
6.0-7.0	15.22	57.74	2.64	10.01	53.0-54.0	1.40	535.65	0.24	92.91
7.0-8.0	17.24	74.97	2.99	13.00	54.0-55.0	1.33	536.98	0.23	93.14
8.0-9.0	19.03	94.00	3.30	16.30	55.0-56.0	1.28	538.26	0.22	93.36
9.0-10.0	20.61	114.61	3.57	19.88	56.0-57.0	1.22	539.48	0.21	93.57
10.0-11.0	21.97	136.58	3.81	23.69	57.0-58.0	1.17	540.65	0.20	93.78
11.0-12.0	23.08	159.66	4.00	27.69	58.0-59.0	1.12	541.77	0.19	93.97
12.0-13.0	23.86	183.53	4.14	31.83	59.0-60.0	1.08	542.85	0.19	94.16
13.0-14.0	24.30	207.83	4.22	36.05	60.0-61.0	1.03	543.88	0.18	94.34
14.0-15.0	24.42	232.26	4.24	40.28	61.0-62.0	0.99	544.87	0.17	94.51
15.0-16.0	24.20	256.45	4.20	44.48	62.0-63.0	0.95	545.82	0.17	94.67
16.0-17.0	23.55	280.01	4.09	48.57	63.0-64.0	0.91	546.74	0.16	94.83
17.0-18.0	22.49	302.50	3.90	52.47	64.0-65.0	0.88	547.62	0.15	94.98
18.0-19.0	21.09	323.59	3.66	56.13	65.0-66.0	0.85	548.46	0.15	95.13
19.0-20.0	19.46	343.05	3.38	59.50	66.0-67.0	0.81	549.27	0.14	95.27
20.0-21.0	17.75	360.80	3.08	62.58	67.0-68.0	0.78	550.05	0.14	95.41
21.0-22.0	16.07	376.87	2.79	65.37	68.0-69.0	0.75	550.80	0.13	95.54
22.0-23.0	14.49	391.36	2.51	67.88	69.0-70.0	0.72	551.53	0.13	95.66
23.0-24.0	13.04	404.40	2.26	70.14	70.0-71.0	0.69	552.22	0.12	95.78
24.0-25.0	11.73	416.13	2.03	72.18	71.0-72.0	0.66	552.88	0.12	95.90
25.0-26.0	10.58	426.71	1.84	74.01	72.0-73.0	0.64	553.52	0.11	96.01
26.0-27.0	9.59	436.30	1.66	75.68	73.0-74.0	0.61	554.13	0.11	96.11
27.0-28.0	8.72	445.02	1.51	77.19	74.0-75.0	0.58	554.71	0.10	96.21
28.0-29.0	7.96	452.98	1.38	78.57	75.0-76.0	0.56	555.27	0.10	96.31
29.0-30.0	7.27	460.26	1.26	79.83	76.0-77.0	0.53	555.80	0.09	96.40
30.0-31.0	6.66	466.91	1.15	80.99	77.0-78.0	0.51	556.31	0.09	96.49
31.0-32.0	6.10	473.01	1.06	82.04	78.0-79.0	0.48	556.79	0.08	96.57
32.0-33.0	5.59	478.60	0.97	83.01	79.0-80.0	0.46	557.25	0.08	96.65
33.0-34.0	5.14	483.74	0.89	83.90	80.0-81.0	0.43	557.68	0.07	96.73
34.0-35.0	4.72	488.46	0.82	84.72	81.0-82.0	0.40	558.08	0.07	96.80
35.0-36.0	4.34	492.80	0.75	85.48	82.0-83.0	0.38	558.46	0.07	96.86
36.0-37.0	4.00	496.80	0.69	86.17	83.0-84.0	0.35	558.81	0.06	96.93
37.0-38.0	3.69	500.49	0.64	86.81	84.0-85.0	0.33	559.15	0.06	96.98
38.0-39.0	3.41	503.90	0.59	87.40	85.0-86.0	0.31	559.46	0.05	97.04
39.0-40.0	3.16	507.06	0.55	87.95	86.0-87.0	0.30	559.76	0.05	97.09
40.0-41.0	2.94	510.00	0.51	88.46	87.0-88.0	0.28	560.04	0.05	97.14
41.0-42.0	2.75	512.74	0.48	88.93	88.0-89.0	0.28	560.32	0.05	97.19
42.0-43.0	2.57	515.32	0.45	89.38	89.0-90.0	0.27	560.59	0.05	97.23
43.0-44.0	2.42	517.73	0.42	89.80	90.0-91.0	0.26	560.85	0.05	97.28
44.0-45.0	2.28	520.01	0.39	90.19	91.0-92.0	0.26	561.11	0.04	97.32
45.0-46.0	2.15	522.15	0.37	90.57	92.0-93.0	0.25	561.36	0.04	97.37
46.0-47.0	2.03	524.18	0.35	90.92	93.0-94.0	0.25	561.60	0.04	97.41

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	561.85	0.04	97.45	141.0-142.0	0.22	570.96	0.04	99.03
95.0-96.0	0.24	562.09	0.04	97.49	142.0-143.0	0.22	571.17	0.04	99.07
96.0-97.0	0.23	562.32	0.04	97.53	143.0-144.0	0.22	571.39	0.04	99.11
97.0-98.0	0.23	562.55	0.04	97.57	144.0-145.0	0.22	571.61	0.04	99.15
98.0-99.0	0.23	562.77	0.04	97.61	145.0-146.0	0.22	571.84	0.04	99.18
99.0-100.0	0.22	562.99	0.04	97.65	146.0-147.0	0.22	572.06	0.04	99.22
100.0-101.0	0.22	563.21	0.04	97.69	147.0-148.0	0.22	572.28	0.04	99.26
101.0-102.0	0.21	563.42	0.04	97.73	148.0-149.0	0.22	572.50	0.04	99.30
102.0-103.0	0.21	563.63	0.04	97.76	149.0-150.0	0.22	572.72	0.04	99.34
103.0-104.0	0.21	563.84	0.04	97.80	150.0-151.0	0.22	572.94	0.04	99.38
104.0-105.0	0.20	564.05	0.04	97.83	151.0-152.0	0.22	573.15	0.04	99.41
105.0-106.0	0.20	564.25	0.03	97.87	152.0-153.0	0.21	573.37	0.04	99.45
106.0-107.0	0.20	564.44	0.03	97.90	153.0-154.0	0.21	573.58	0.04	99.49
107.0-108.0	0.19	564.64	0.03	97.94	154.0-155.0	0.21	573.78	0.04	99.52
108.0-109.0	0.19	564.83	0.03	97.97	155.0-156.0	0.20	573.98	0.03	99.56
109.0-110.0	0.19	565.02	0.03	98.00	156.0-157.0	0.20	574.18	0.03	99.59
110.0-111.0	0.19	565.21	0.03	98.03	157.0-158.0	0.19	574.37	0.03	99.62
111.0-112.0	0.18	565.39	0.03	98.07	158.0-159.0	0.19	574.56	0.03	99.66
112.0-113.0	0.18	565.57	0.03	98.10	159.0-160.0	0.18	574.74	0.03	99.69
113.0-114.0	0.18	565.75	0.03	98.13	160.0-161.0	0.17	574.91	0.03	99.72
114.0-115.0	0.18	565.93	0.03	98.16	161.0-162.0	0.16	575.07	0.03	99.75
115.0-116.0	0.18	566.11	0.03	98.19	162.0-163.0	0.16	575.23	0.03	99.77
116.0-117.0	0.18	566.28	0.03	98.22	163.0-164.0	0.15	575.38	0.03	99.80
117.0-118.0	0.17	566.46	0.03	98.25	164.0-165.0	0.14	575.52	0.02	99.82
118.0-119.0	0.17	566.63	0.03	98.28	165.0-166.0	0.13	575.65	0.02	99.85
119.0-120.0	0.17	566.80	0.03	98.31	166.0-167.0	0.12	575.77	0.02	99.87
120.0-121.0	0.17	566.97	0.03	98.34	167.0-168.0	0.11	575.88	0.02	99.89
121.0-122.0	0.17	567.14	0.03	98.37	168.0-169.0	0.10	575.99	0.02	99.90
122.0-123.0	0.17	567.32	0.03	98.40	169.0-170.0	0.10	576.08	0.02	99.92
123.0-124.0	0.17	567.49	0.03	98.43	170.0-171.0	0.09	576.17	0.02	99.94
124.0-125.0	0.17	567.66	0.03	98.46	171.0-172.0	0.08	576.25	0.01	99.95
125.0-126.0	0.17	567.83	0.03	98.49	172.0-173.0	0.07	576.32	0.01	99.96
126.0-127.0	0.18	568.01	0.03	98.52	173.0-174.0	0.06	576.38	0.01	99.97
127.0-128.0	0.18	568.19	0.03	98.55	174.0-175.0	0.05	576.43	0.01	99.98
128.0-129.0	0.18	568.36	0.03	98.58	175.0-176.0	0.04	576.47	0.01	99.99
129.0-130.0	0.18	568.55	0.03	98.61	176.0-177.0	0.03	576.50	0.01	99.99
130.0-131.0	0.18	568.73	0.03	98.65	177.0-178.0	0.02	576.53	0.00	100.00
131.0-132.0	0.19	568.92	0.03	98.68	178.0-179.0	0.01	576.54	0.00	100.00
132.0-133.0	0.19	569.11	0.03	98.71	179.0-180.0	0.00	576.54	0.00	100.00
133.0-134.0	0.19	569.30	0.03	98.74					
134.0-135.0	0.20	569.50	0.03	98.78					
135.0-136.0	0.20	569.70	0.03	98.81					
136.0-137.0	0.20	569.90	0.04	98.85					
137.0-138.0	0.21	570.10	0.04	98.88					
138.0-139.0	0.21	570.31	0.04	98.92					
139.0-140.0	0.21	570.53	0.04	98.96					
140.0-141.0	0.21	570.74	0.04	98.99					

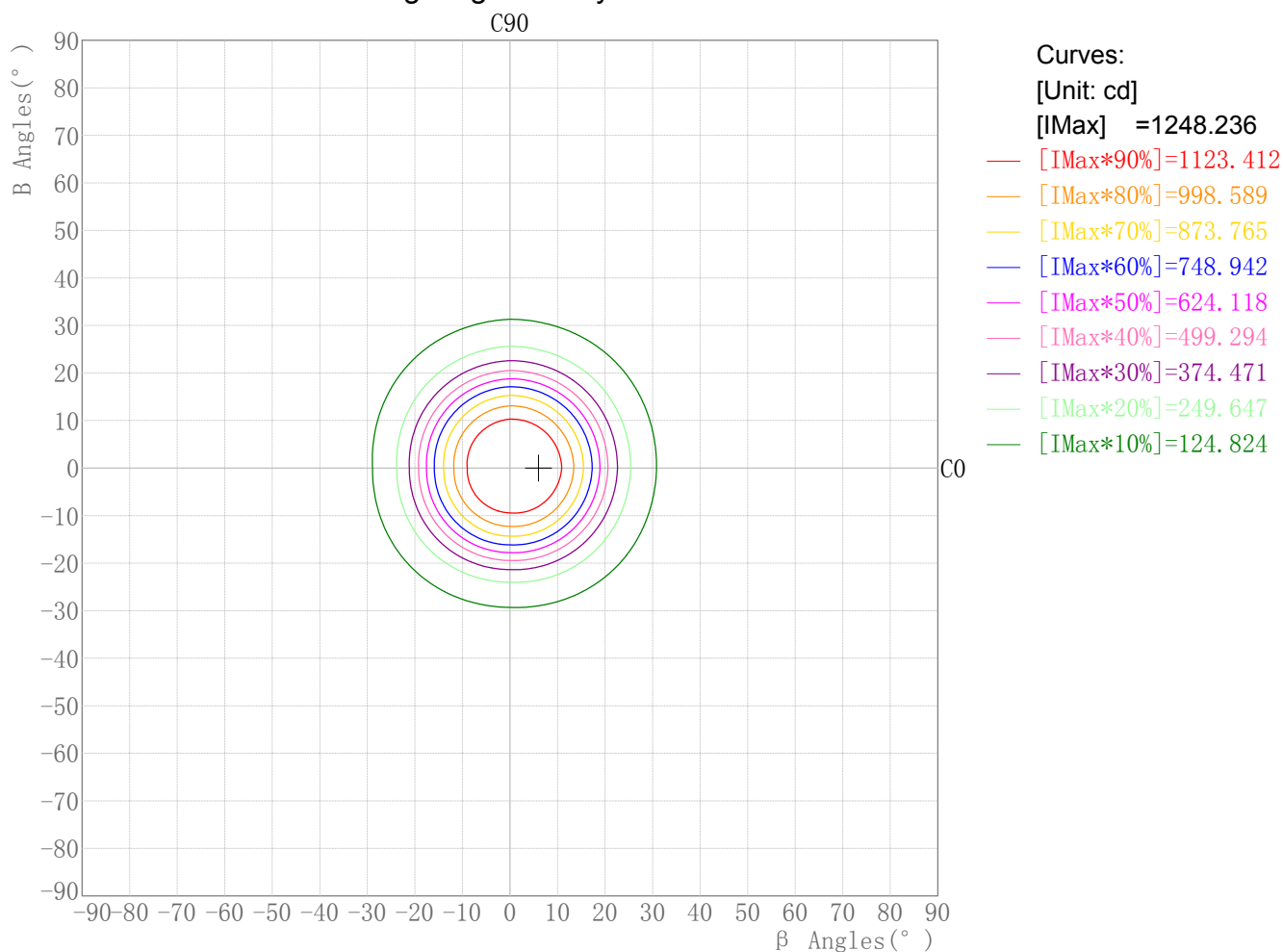
# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

### ISO Lighting Intensity Curve



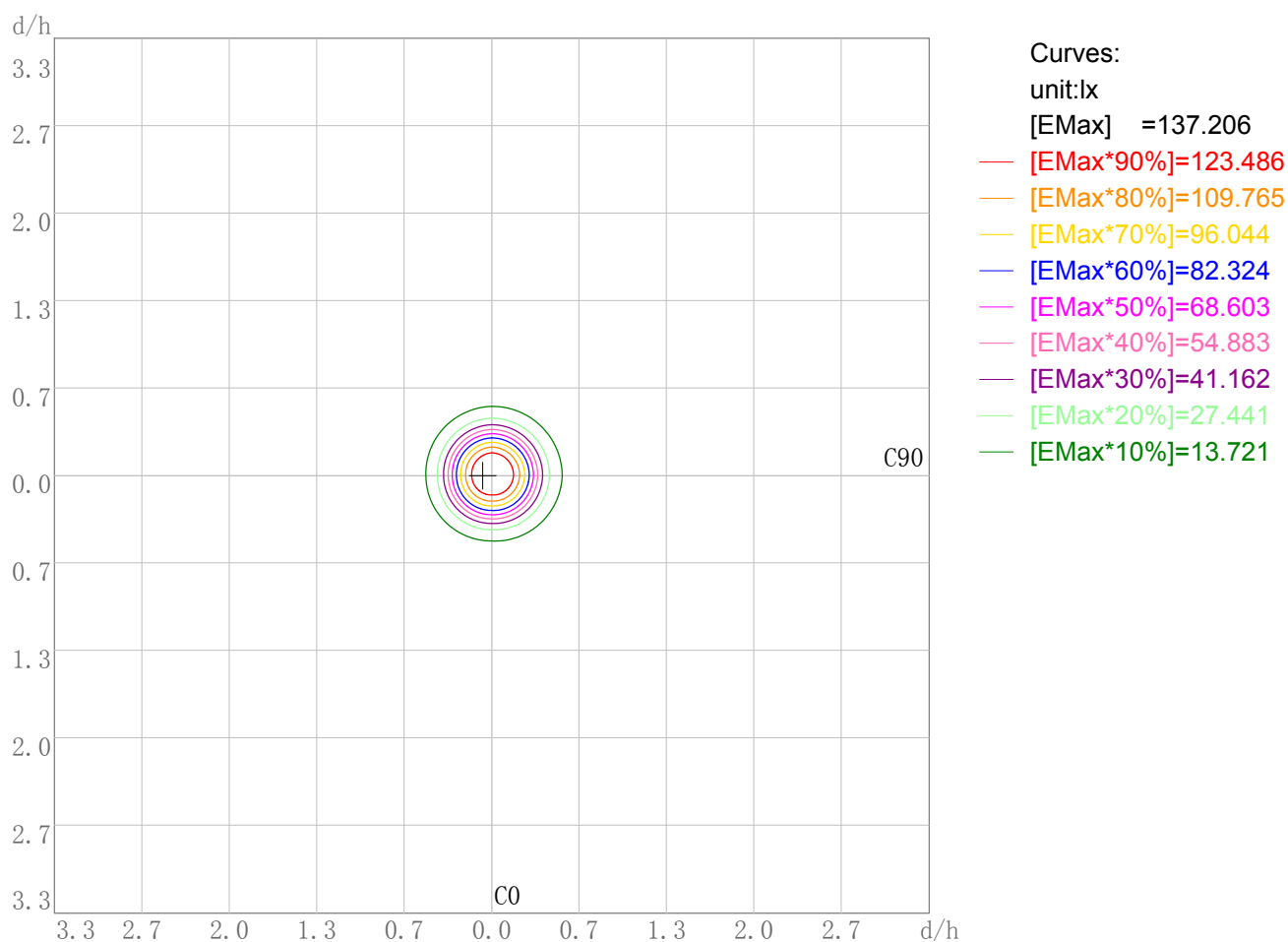
Maximum Light Intensity(cd): 1248.24

Maximum Cand.@Angle: H=6.0°,V=0.0°

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 137.21

Working Plane Maximum Illuminance Position(d/h):H-0.1 V-0.0

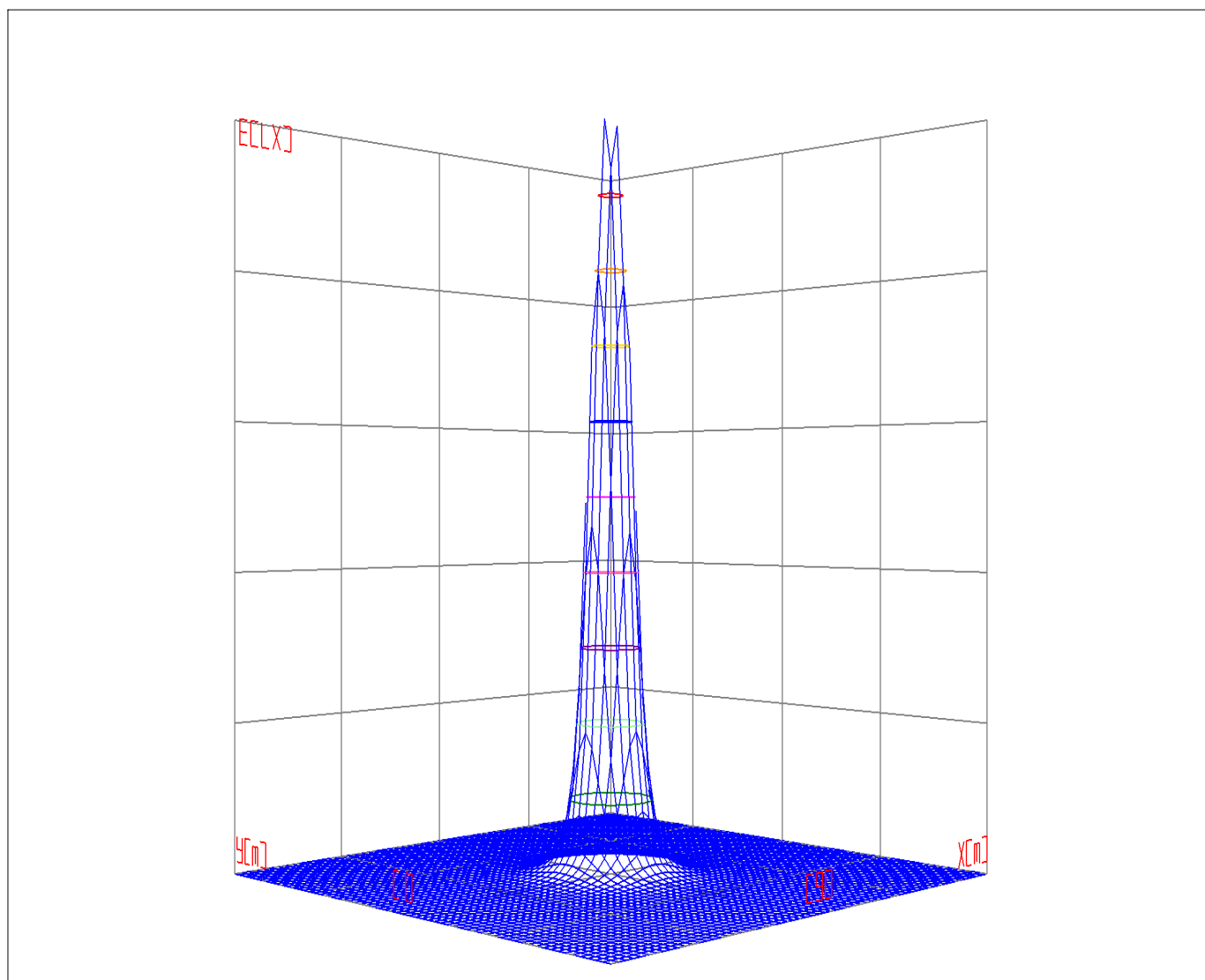
# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

## 3D Plane Illuminance Modal



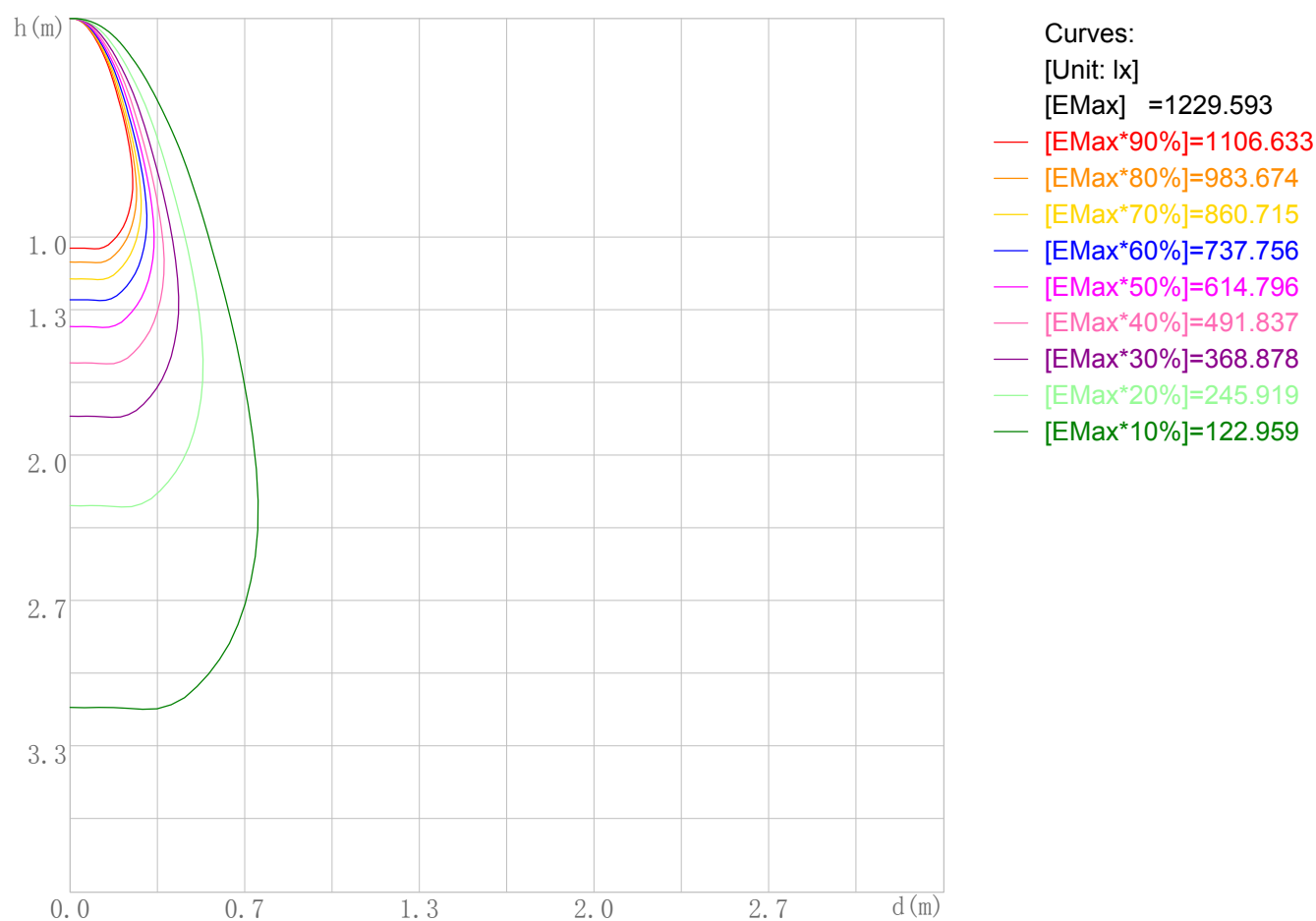
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



## Space ISO Illuminance Diagram

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1229.59lx,5.0deg

Plane Maximum Lighting Intensity and @Angle:1248.236cd,0deg

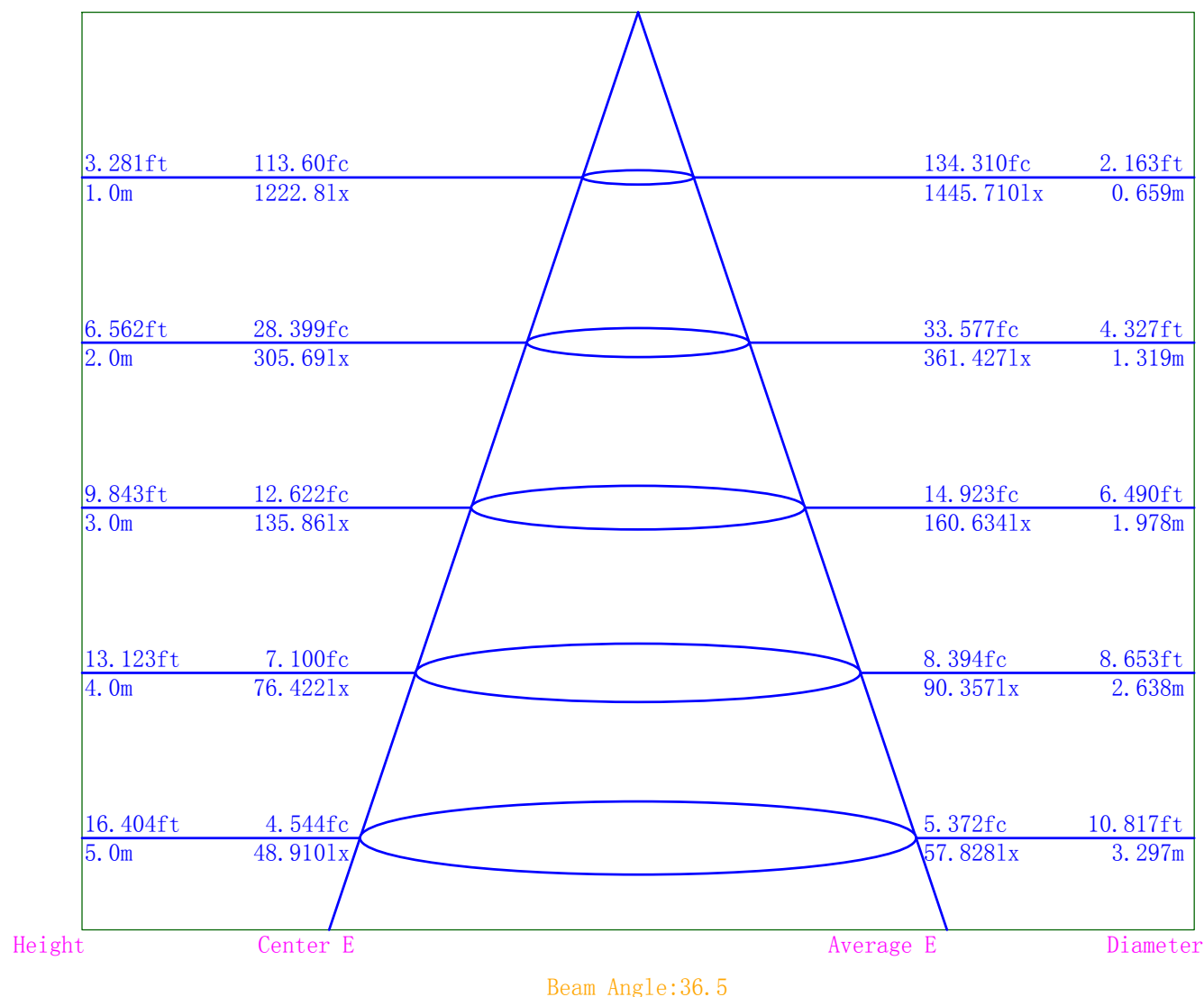
# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

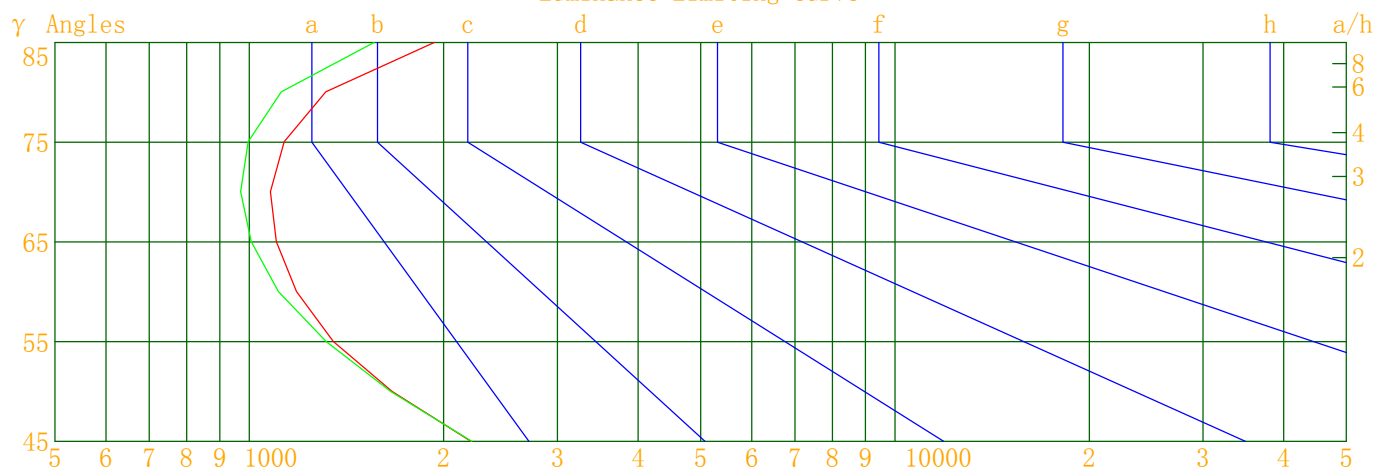
Glare Grade Table

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	2204	1664	1349	1183	1101	1078	1132	1314	1933
C90	2211	1656	1315	1110	1007	969	996	1121	1560

Luminance Limiting Curve



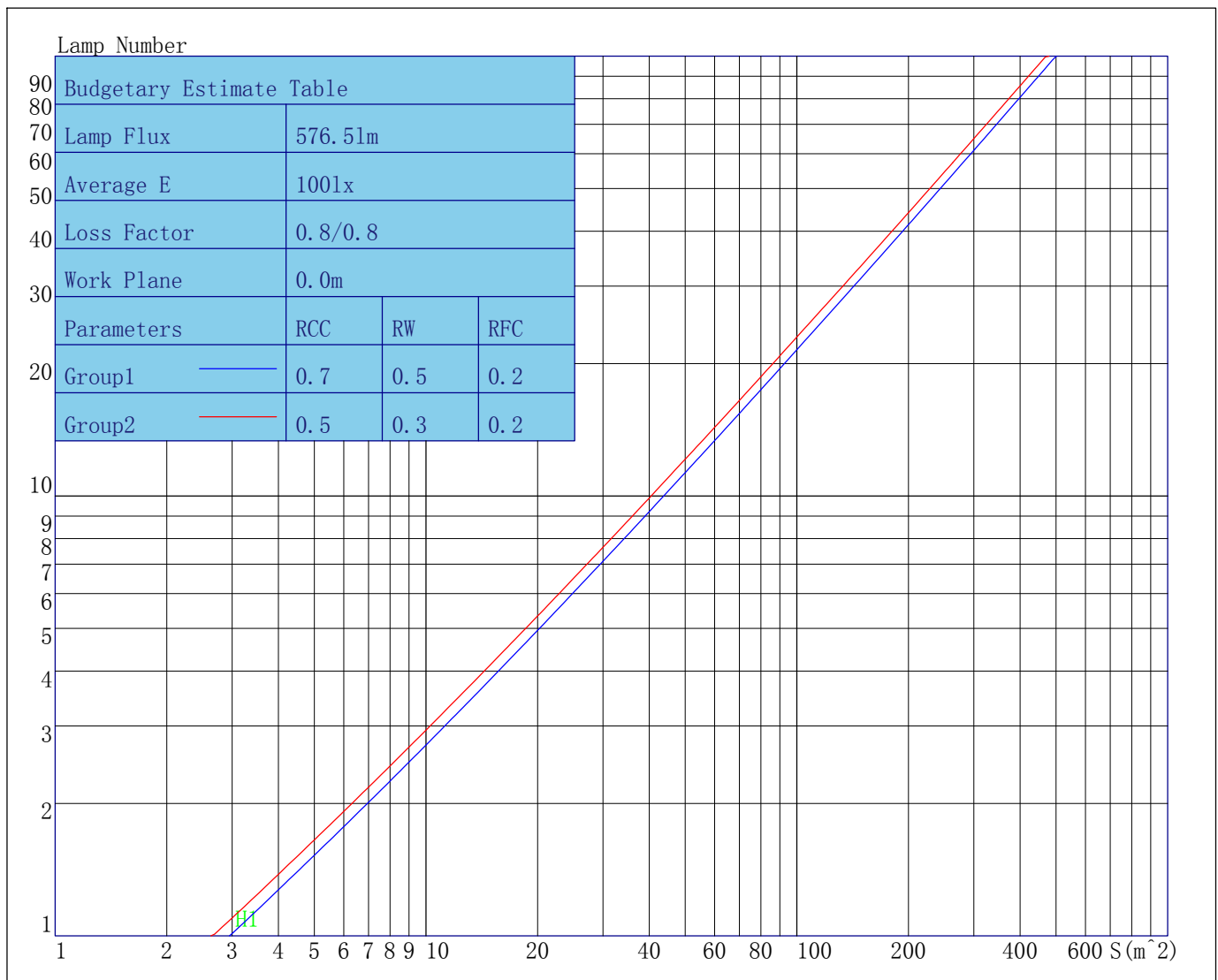
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.350 Area(m<sup>2</sup>)=0.020000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8  
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8  
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

# IES Indoor Report

Photometric Filename:MD10-06-XX-03 4000K RA90 36D.IES

## Indoor Coefficient of Utilization Table

Lum. Name: MD10-06-XX-03 4000K 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: 2019/11/18

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	104	104	104	99	99	99	97
1	113	110	108	106	110	108	106	104	103	101	100	99	98	96	95	94	93	91
2	108	103	99	96	105	101	98	95	97	95	92	94	92	90	91	89	88	86
3	103	97	92	89	101	95	91	88	92	89	86	90	87	84	87	85	83	81
4	99	92	87	83	97	90	86	82	88	84	81	86	82	80	83	81	78	77
5	94	87	82	78	93	86	81	77	84	79	76	82	78	75	80	77	74	73
6	91	83	77	73	89	82	77	73	80	76	72	78	75	72	77	74	71	70
7	87	79	73	70	86	78	73	69	77	72	69	75	71	68	74	70	68	67
8	84	75	70	66	82	75	70	66	73	69	66	72	68	65	71	68	65	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	65	62	61
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	66	63	60	59

Unified Glare Rating Table

Lum. Name: MD10-06-XX-03 4000K RA90 36D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: QQualty peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/11/18

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	9.3	10.2	9.7	10.6	11.0	9.2	10.2	9.6	10.5	10.9
	10.0	10.9	10.4	11.3	11.7	9.8	10.7	10.2	11.1	11.5
	10.4	11.2	10.9	11.6	12.1	10.1	11.0	10.6	11.4	11.8
	10.9	11.7	11.4	12.1	12.6	10.5	11.3	11.0	11.7	12.2
	11.2	11.9	11.7	12.3	12.8	10.7	11.5	11.2	11.9	12.4
	11.5	12.2	12.0	12.6	13.1	11.0	11.7	11.5	12.1	12.6
X=4H    Y=2H	9.4	10.2	9.9	10.6	11.1	9.3	10.1	9.8	10.5	11.0
	10.4	11.0	10.8	11.5	12.0	10.1	10.8	10.6	11.3	11.8
	11.0	11.6	11.5	12.1	12.6	10.6	11.2	11.1	11.7	12.2
	11.7	12.2	12.2	12.7	13.2	11.2	11.8	11.8	12.3	12.8
	12.1	12.5	12.6	13.0	13.6	11.5	12.0	12.1	12.5	13.1
	12.5	12.9	13.0	13.4	14.0	11.9	12.3	12.4	12.8	13.4
X=8H    Y=4H	11.2	11.6	11.7	12.1	12.7	10.8	11.3	11.4	11.8	12.3
	12.1	12.5	12.6	13.0	13.6	11.6	12.0	12.2	12.5	13.1
	12.6	12.9	13.2	13.5	14.1	12.0	12.4	12.6	12.9	13.5
	13.2	13.5	13.8	14.1	14.7	12.6	12.8	13.1	13.4	14.0
X=12H    Y=4H	11.2	11.6	11.7	12.1	12.7	10.8	11.3	11.4	11.8	12.3
	12.1	12.5	12.7	13.0	13.6	11.7	12.0	12.3	12.5	13.2
	12.8	13.1	13.3	13.6	14.2	12.2	12.5	12.8	13.0	13.7
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.3/-0.3				
S=1.5H	0.3/-0.4					0.4/-0.5				
S=2.0H	0.4/-0.4					0.5/-0.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.7					2.4				

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	1222.76	1222.76	1222.76	1222.76
γ 1.0	1224.57	1222.66	1222.32	1227.32
γ 2.0	1224.96	1226.27	1225.12	1232.37
γ 3.0	1228.69	1231.45	1232.15	1237.55
γ 4.0	1235.46	1235.94	1237.42	1243.93
γ 5.0	1243.74	1239.53	1234.73	1243.45
γ 6.0	1248.24	1238.49	1220.24	1233.05
γ 7.0	1241.14	1226.78	1192.26	1209.81
γ 8.0	1223.98	1204.21	1159.47	1176.19
γ 9.0	1193.49	1171.24	1123.11	1139.62
γ 10.0	1158.78	1134.73	1085.30	1101.36
γ 11.0	1119.06	1096.67	1040.57	1060.38
γ 12.0	1074.91	1053.55	987.81	1013.59
γ 13.0	1022.94	1003.68	930.33	957.02
γ 14.0	966.00	950.73	869.64	894.83
γ 15.0	903.99	892.47	809.01	829.70
γ 16.0	839.65	827.38	742.45	760.74
γ 17.0	770.67	757.43	667.14	684.77
γ 18.0	696.62	683.00	589.96	606.66
γ 19.0	619.19	607.14	515.04	530.51
γ 20.0	542.88	533.91	445.56	458.81
γ 21.0	472.30	466.44	383.71	394.25
γ 22.0	408.67	406.35	329.61	338.28
γ 23.0	353.18	353.33	282.64	290.31
γ 24.0	304.68	308.33	242.65	249.68
γ 25.0	263.12	269.90	208.96	216.04
γ 26.0	228.06	237.41	181.50	188.56
γ 27.0	198.58	209.29	158.95	165.58
γ 28.0	174.53	185.04	139.83	146.21
γ 29.0	154.46	164.01	123.30	129.29
γ 30.0	137.06	145.41	109.17	114.86
γ 31.0	122.31	129.24	96.58	102.14
γ 32.0	109.50	115.04	85.88	90.85
γ 33.0	98.18	102.50	76.49	81.10
γ 34.0	88.28	91.70	68.19	72.53
γ 35.0	79.56	81.82	60.83	65.11
γ 36.0	71.66	73.35	54.51	58.56
γ 37.0	64.57	65.88	48.97	52.76
γ 38.0	58.34	59.34	44.26	47.80
γ 39.0	52.74	53.58	40.00	43.40
γ 40.0	47.93	48.51	36.49	39.68
γ 41.0	43.72	44.12	33.46	36.41
γ 42.0	39.96	40.31	30.81	33.59
γ 43.0	36.66	36.91	28.43	31.00
γ 44.0	33.77	33.96	26.39	28.83
γ 45.0	31.17	31.27	24.55	26.91
γ 46.0	28.81	28.88	22.87	25.11

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	26.70	26.65	21.39	23.52
γ 48.0	24.76	24.64	20.01	21.96
γ 49.0	23.00	22.84	18.75	20.49
γ 50.0	21.39	21.28	17.49	19.16
γ 51.0	19.97	19.79	16.42	17.95
γ 52.0	18.65	18.47	15.45	16.92
γ 53.0	17.49	17.30	14.56	16.00
γ 54.0	16.41	16.15	13.79	15.15
γ 55.0	15.48	15.09	13.06	14.39
γ 56.0	14.62	14.15	12.39	13.72
γ 57.0	13.85	13.28	11.79	13.08
γ 58.0	13.11	12.48	11.21	12.47
γ 59.0	12.45	11.76	10.66	11.89
γ 60.0	11.83	11.10	10.12	11.30
γ 61.0	11.27	10.50	9.62	10.75
γ 62.0	10.75	9.94	9.16	10.23
γ 63.0	10.24	9.43	8.73	9.76
γ 64.0	9.77	8.94	8.33	9.32
γ 65.0	9.31	8.51	7.96	8.91
γ 66.0	8.88	8.09	7.59	8.50
γ 67.0	8.47	7.70	7.25	8.13
γ 68.0	8.09	7.30	6.92	7.78
γ 69.0	7.73	6.97	6.60	7.43
γ 70.0	7.37	6.63	6.30	7.11
γ 71.0	7.05	6.32	6.02	6.79
γ 72.0	6.72	6.01	5.73	6.50
γ 73.0	6.42	5.72	5.43	6.19
γ 74.0	6.14	5.43	5.16	5.91
γ 75.0	5.86	5.16	4.91	5.64
γ 76.0	5.58	4.89	4.64	5.36
γ 77.0	5.32	4.63	4.38	5.09
γ 78.0	5.04	4.37	4.14	4.84
γ 79.0	4.80	4.13	3.89	4.59
γ 80.0	4.56	3.89	3.65	4.32
γ 81.0	4.31	3.63	3.41	4.07
γ 82.0	4.08	3.39	3.15	3.80
γ 83.0	3.81	3.13	2.94	3.57
γ 84.0	3.58	2.92	2.74	3.35
γ 85.0	3.37	2.72	2.57	3.16
γ 86.0	3.17	2.54	2.42	2.99
γ 87.0	3.02	2.41	2.30	2.87
γ 88.0	2.88	2.28	2.24	2.77
γ 89.0	2.79	2.22	2.19	2.71
γ 90.0	2.72	2.17	2.14	2.64
γ 91.0	2.66	2.13	2.09	2.58
γ 92.0	2.61	2.09	2.06	2.54
γ 93.0	2.56	2.06	2.02	2.48



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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.51	2.02	1.99	2.43
γ 95.0	2.46	1.99	1.95	2.38
γ 96.0	2.41	1.95	1.92	2.34
γ 97.0	2.38	1.92	1.89	2.30
γ 98.0	2.34	1.90	1.87	2.26
γ 99.0	2.31	1.87	1.84	2.22
γ 100.0	2.27	1.85	1.81	2.19
γ 101.0	2.23	1.82	1.79	2.16
γ 102.0	2.20	1.80	1.77	2.14
γ 103.0	2.17	1.78	1.76	2.10
γ 104.0	2.14	1.75	1.75	2.09
γ 105.0	2.12	1.74	1.73	2.06
γ 106.0	2.08	1.71	1.71	2.04
γ 107.0	2.05	1.70	1.71	2.02
γ 108.0	2.02	1.67	1.70	2.00
γ 109.0	2.00	1.66	1.69	1.99
γ 110.0	1.98	1.65	1.68	1.98
γ 111.0	1.96	1.63	1.68	1.98
γ 112.0	1.94	1.61	1.68	1.96
γ 113.0	1.92	1.61	1.69	1.95
γ 114.0	1.91	1.60	1.69	1.96
γ 115.0	1.90	1.60	1.70	1.95
γ 116.0	1.89	1.60	1.71	1.95
γ 117.0	1.88	1.59	1.71	1.96
γ 118.0	1.87	1.59	1.73	1.96
γ 119.0	1.88	1.60	1.75	1.98
γ 120.0	1.87	1.60	1.76	1.98
γ 121.0	1.87	1.63	1.79	2.01
γ 122.0	1.88	1.64	1.82	2.04
γ 123.0	1.90	1.65	1.86	2.06
γ 124.0	1.91	1.67	1.90	2.09
γ 125.0	1.94	1.70	1.95	2.13
γ 126.0	1.96	1.74	1.99	2.17
γ 127.0	1.99	1.77	2.06	2.22
γ 128.0	2.02	1.81	2.11	2.27
γ 129.0	2.07	1.86	2.18	2.33
γ 130.0	2.12	1.92	2.25	2.40
γ 131.0	2.17	1.98	2.32	2.47
γ 132.0	2.23	2.05	2.40	2.54
γ 133.0	2.30	2.13	2.50	2.63
γ 134.0	2.38	2.20	2.57	2.71
γ 135.0	2.45	2.28	2.68	2.79
γ 136.0	2.54	2.38	2.77	2.89
γ 137.0	2.62	2.47	2.86	2.97
γ 138.0	2.71	2.56	2.97	3.07
γ 139.0	2.81	2.66	3.07	3.16
γ 140.0	2.90	2.75	3.17	3.26

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	3.00	2.86	3.26	3.35
γ 142.0	3.10	2.96	3.36	3.44
γ 143.0	3.20	3.05	3.47	3.55
γ 144.0	3.30	3.16	3.58	3.64
γ 145.0	3.41	3.26	3.68	3.74
γ 146.0	3.51	3.36	3.78	3.83
γ 147.0	3.61	3.46	3.88	3.92
γ 148.0	3.70	3.55	3.97	4.01
γ 149.0	3.81	3.66	4.07	4.09
γ 150.0	3.90	3.74	4.15	4.19
γ 151.0	3.99	3.83	4.25	4.27
γ 152.0	4.08	3.92	4.33	4.35
γ 153.0	4.17	4.01	4.41	4.43
γ 154.0	4.25	4.08	4.48	4.48
γ 155.0	4.33	4.16	4.56	4.55
γ 156.0	4.41	4.23	4.61	4.61
γ 157.0	4.47	4.30	4.67	4.66
γ 158.0	4.54	4.37	4.72	4.70
γ 159.0	4.60	4.41	4.76	4.73
γ 160.0	4.65	4.48	4.80	4.76
γ 161.0	4.69	4.52	4.83	4.80
γ 162.0	4.72	4.57	4.84	4.81
γ 163.0	4.74	4.60	4.86	4.82
γ 164.0	4.77	4.62	4.87	4.82
γ 165.0	4.79	4.64	4.86	4.82
γ 166.0	4.80	4.65	4.85	4.82
γ 167.0	4.80	4.66	4.86	4.82
γ 168.0	4.81	4.65	4.85	4.82
γ 169.0	4.82	4.66	4.86	4.82
γ 170.0	4.82	4.66	4.86	4.81
γ 171.0	4.82	4.69	4.85	4.80
γ 172.0	4.83	4.68	4.87	4.82
γ 173.0	4.85	4.70	4.87	4.83
γ 174.0	4.87	4.72	4.88	4.83
γ 175.0	4.88	4.74	4.89	4.84
γ 176.0	4.90	4.75	4.90	4.87
γ 177.0	4.91	4.77	4.92	4.87
γ 178.0	4.92	4.79	4.94	4.89
γ 179.0	4.94	4.81	4.94	4.89
γ 180.0	4.91	4.91	4.91	4.91