

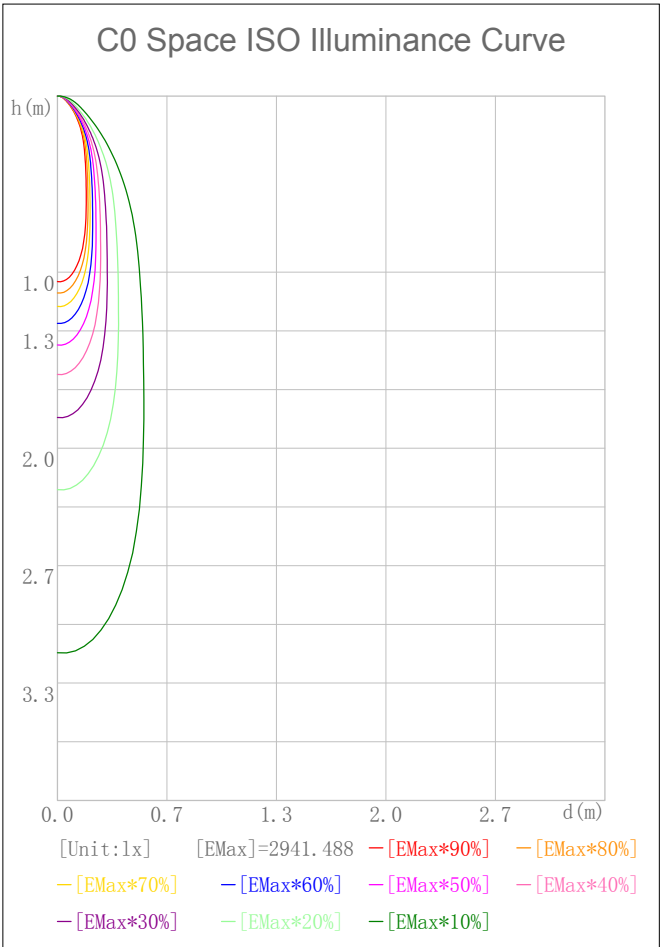
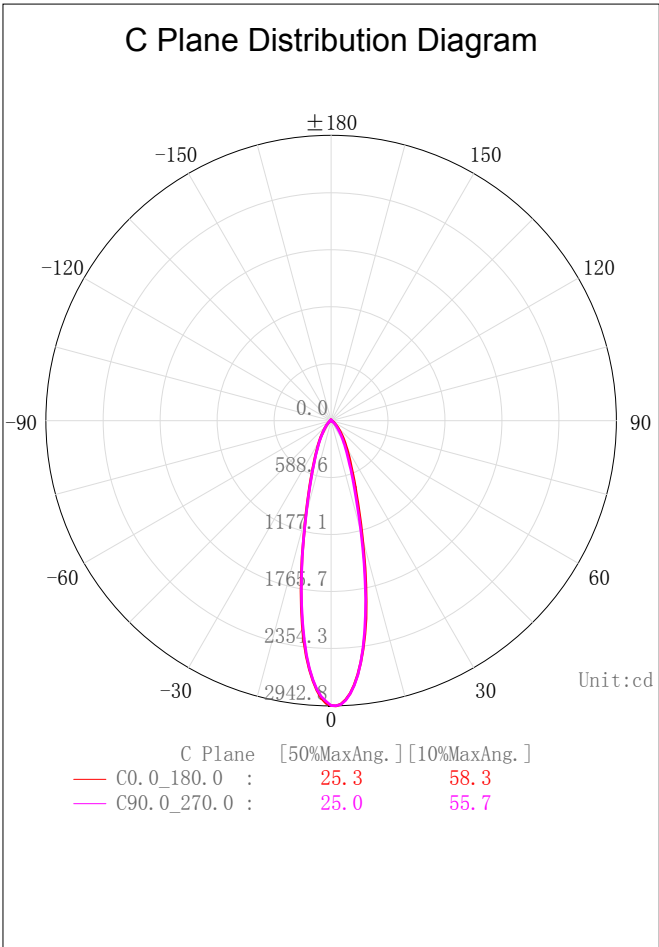
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-SL-03 4000K RA97 24D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/01/03
Manufacture: Shenzhen Norming Lighting Co., Ltd	Shld.Angle(°):	Test Machine:GON-2000
Test Lab: Quality peatment	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H): 0.498m*0.498m*0.650m	Lum. Area (m2): 0.572	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): 972.890	Luminary Flux(lm): 972.890	Field Angle(10%Imax): 58.3(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 948.860lm 97.53%
Rated Voltage(V):	Luminary EER(lm/W): 75.476	Up Lumens&Percent: 24.031lm 2.47%
Tested Power(W): 12.890	Max. Candela(cd): 2942.832	S/MH: C0_a180=0.427 C90_270=0.422
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 239.9, 0.056	Beam Angle(50%Imax): 25.3(°)	ErP Φ use(90°): 862.578lm
Lamp Size (W*L*H): 0.498m*0.498m*0.650m	Left=-11.8°, Right=13.5°	IRF(%): 648.072



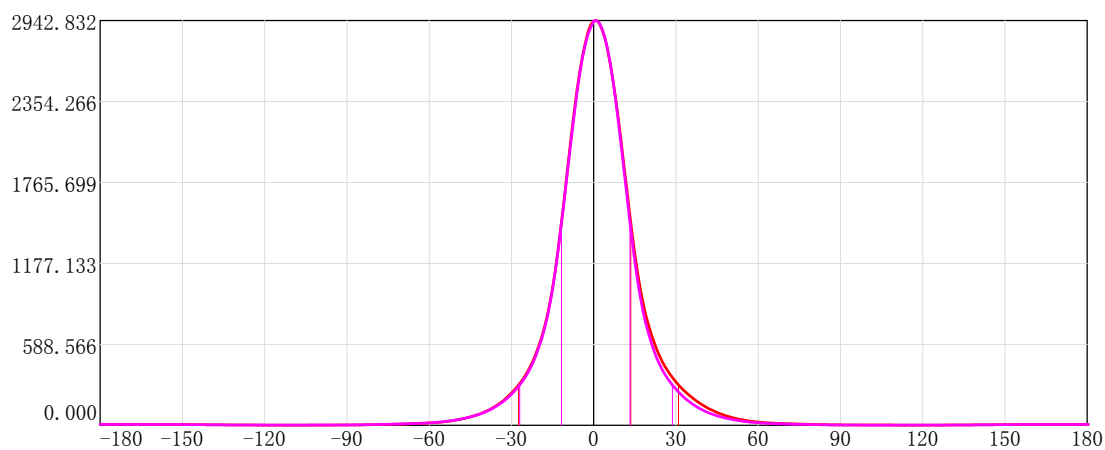
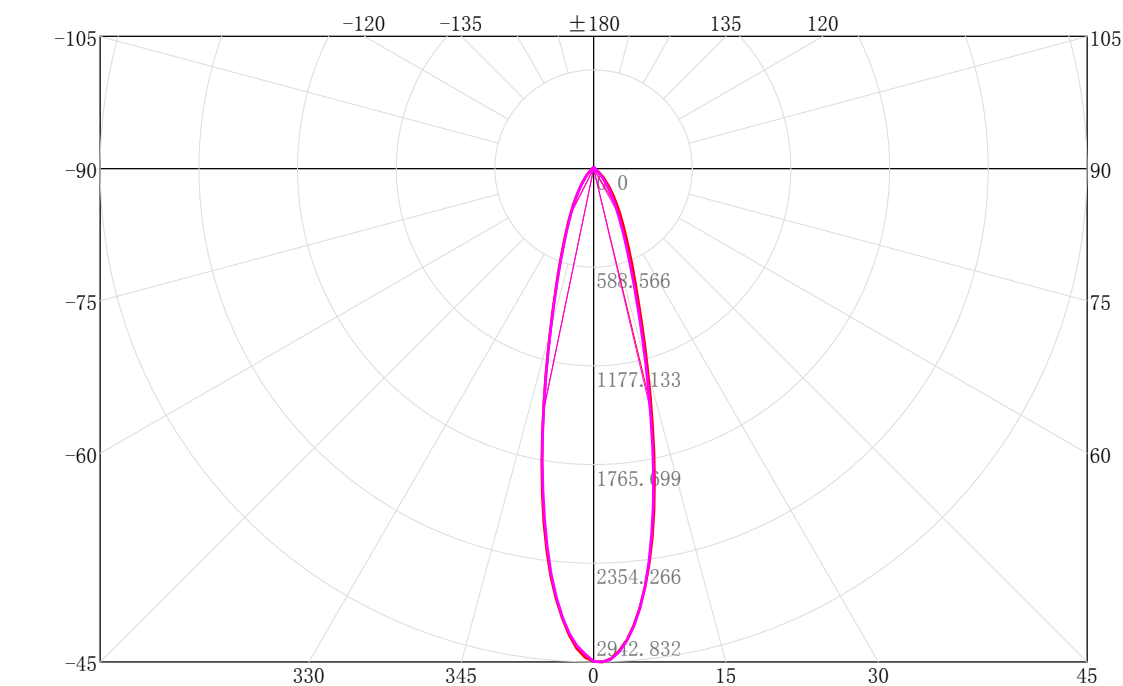
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]  
— C0.0\_180.0 : 25.3 58.3  
— C90.0\_270.0 : 25.0 55.7

Unit:cd

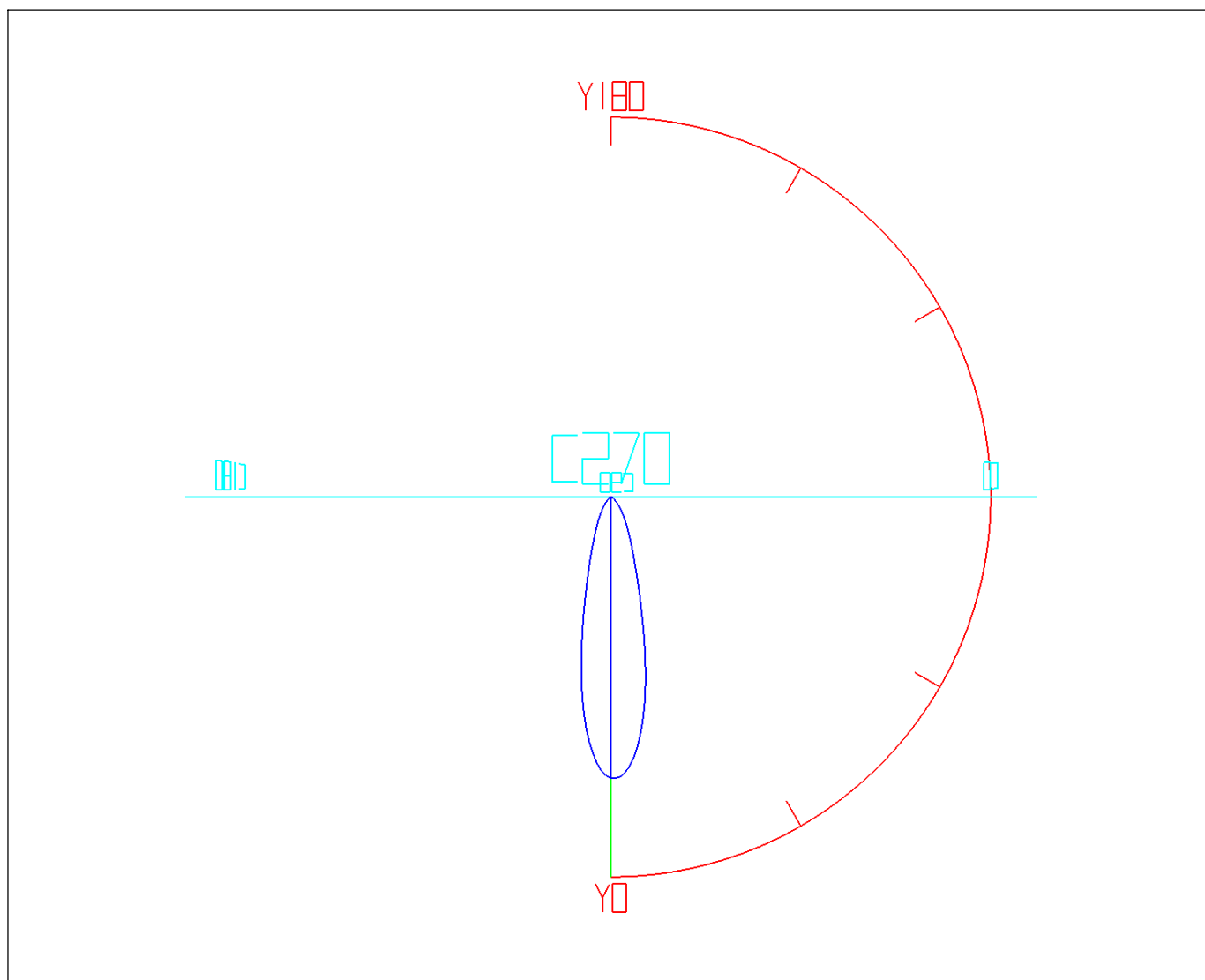
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

## 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

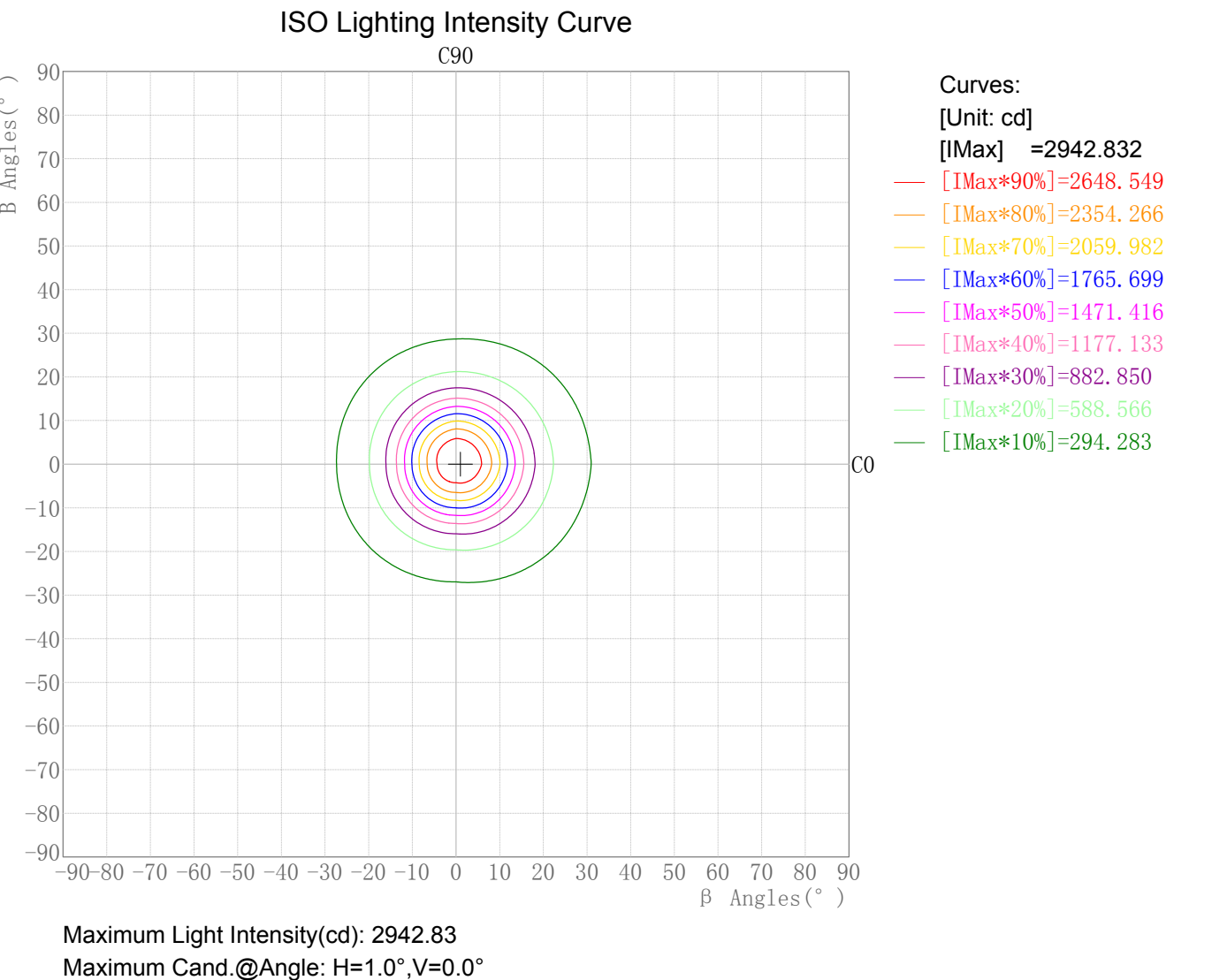
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.81	2.81	0.29	0.29	47.0-48.0	4.68	883.47	0.48	90.81
1.0-2.0	8.35	11.15	0.86	1.15	48.0-49.0	4.35	887.82	0.45	91.26
2.0-3.0	13.69	24.84	1.41	2.55	49.0-50.0	4.04	891.86	0.42	91.67
3.0-4.0	18.70	43.54	1.92	4.47	50.0-51.0	3.76	895.62	0.39	92.06
4.0-5.0	23.26	66.80	2.39	6.87	51.0-52.0	3.48	899.10	0.36	92.42
5.0-6.0	27.28	94.07	2.80	9.67	52.0-53.0	3.23	902.34	0.33	92.75
6.0-7.0	30.62	124.69	3.15	12.82	53.0-54.0	3.00	905.34	0.31	93.06
7.0-8.0	33.25	157.94	3.42	16.23	54.0-55.0	2.78	908.12	0.29	93.34
8.0-9.0	35.10	193.04	3.61	19.84	55.0-56.0	2.59	910.71	0.27	93.61
9.0-10.0	36.20	229.24	3.72	23.56	56.0-57.0	2.41	913.12	0.25	93.86
10.0-11.0	36.54	265.78	3.76	27.32	57.0-58.0	2.25	915.38	0.23	94.09
11.0-12.0	36.17	301.96	3.72	31.04	58.0-59.0	2.11	917.49	0.22	94.31
12.0-13.0	35.24	337.19	3.62	34.66	59.0-60.0	1.98	919.47	0.20	94.51
13.0-14.0	33.89	371.08	3.48	38.14	60.0-61.0	1.87	921.34	0.19	94.70
14.0-15.0	32.30	403.38	3.32	41.46	61.0-62.0	1.76	923.10	0.18	94.88
15.0-16.0	30.61	433.99	3.15	44.61	62.0-63.0	1.67	924.77	0.17	95.05
16.0-17.0	28.95	462.94	2.98	47.58	63.0-64.0	1.58	926.35	0.16	95.22
17.0-18.0	27.36	490.30	2.81	50.40	64.0-65.0	1.51	927.86	0.15	95.37
18.0-19.0	25.87	516.17	2.66	53.06	65.0-66.0	1.44	929.30	0.15	95.52
19.0-20.0	24.49	540.66	2.52	55.57	66.0-67.0	1.37	930.67	0.14	95.66
20.0-21.0	23.22	563.88	2.39	57.96	67.0-68.0	1.31	931.97	0.13	95.79
21.0-22.0	22.01	585.89	2.26	60.22	68.0-69.0	1.25	933.22	0.13	95.92
22.0-23.0	20.87	606.76	2.15	62.37	69.0-70.0	1.19	934.41	0.12	96.05
23.0-24.0	19.81	626.57	2.04	64.40	70.0-71.0	1.14	935.55	0.12	96.16
24.0-25.0	18.82	645.39	1.93	66.34	71.0-72.0	1.09	936.64	0.11	96.27
25.0-26.0	17.89	663.28	1.84	68.18	72.0-73.0	1.04	937.68	0.11	96.38
26.0-27.0	17.02	680.30	1.75	69.93	73.0-74.0	0.99	938.67	0.10	96.48
27.0-28.0	16.20	696.51	1.67	71.59	74.0-75.0	0.94	939.61	0.10	96.58
28.0-29.0	15.41	711.92	1.58	73.18	75.0-76.0	0.90	940.51	0.09	96.67
29.0-30.0	14.64	726.56	1.51	74.68	76.0-77.0	0.85	941.36	0.09	96.76
30.0-31.0	13.90	740.46	1.43	76.11	77.0-78.0	0.81	942.17	0.08	96.84
31.0-32.0	13.16	753.62	1.35	77.46	78.0-79.0	0.77	942.93	0.08	96.92
32.0-33.0	12.45	766.07	1.28	78.74	79.0-80.0	0.72	943.66	0.07	97.00
33.0-34.0	11.76	777.82	1.21	79.95	80.0-81.0	0.68	944.34	0.07	97.07
34.0-35.0	11.08	788.91	1.14	81.09	81.0-82.0	0.64	944.98	0.07	97.13
35.0-36.0	10.43	799.34	1.07	82.16	82.0-83.0	0.59	945.57	0.06	97.19
36.0-37.0	9.81	809.14	1.01	83.17	83.0-84.0	0.56	946.13	0.06	97.25
37.0-38.0	9.20	818.35	0.95	84.12	84.0-85.0	0.52	946.65	0.05	97.30
38.0-39.0	8.64	826.99	0.89	85.00	85.0-86.0	0.49	947.14	0.05	97.35
39.0-40.0	8.10	835.09	0.83	85.84	86.0-87.0	0.46	947.60	0.05	97.40
40.0-41.0	7.58	842.67	0.78	86.62	87.0-88.0	0.44	948.03	0.04	97.45
41.0-42.0	7.09	849.77	0.73	87.34	88.0-89.0	0.42	948.45	0.04	97.49
42.0-43.0	6.63	856.39	0.68	88.03	89.0-90.0	0.41	948.86	0.04	97.53
43.0-44.0	6.19	862.58	0.64	88.66	90.0-91.0	0.40	949.26	0.04	97.57
44.0-45.0	5.78	868.37	0.59	89.26	91.0-92.0	0.39	949.64	0.04	97.61
45.0-46.0	5.39	873.76	0.55	89.81	92.0-93.0	0.38	950.02	0.04	97.65
46.0-47.0	5.03	878.79	0.52	90.33	93.0-94.0	0.37	950.39	0.04	97.69

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	0.36	950.75	0.04	97.72	141.0-142.0	0.33	964.21	0.03	99.11
95.0-96.0	0.35	951.10	0.04	97.76	142.0-143.0	0.34	964.55	0.03	99.14
96.0-97.0	0.34	951.44	0.04	97.80	143.0-144.0	0.34	964.89	0.03	99.18
97.0-98.0	0.34	951.78	0.03	97.83	144.0-145.0	0.34	965.23	0.04	99.21
98.0-99.0	0.33	952.10	0.03	97.86	145.0-146.0	0.34	965.58	0.04	99.25
99.0-100.0	0.32	952.43	0.03	97.90	146.0-147.0	0.35	965.92	0.04	99.28
100.0-101.0	0.32	952.74	0.03	97.93	147.0-148.0	0.35	966.27	0.04	99.32
101.0-102.0	0.31	953.05	0.03	97.96	148.0-149.0	0.35	966.61	0.04	99.35
102.0-103.0	0.31	953.36	0.03	97.99	149.0-150.0	0.34	966.96	0.04	99.39
103.0-104.0	0.30	953.66	0.03	98.02	150.0-151.0	0.34	967.30	0.04	99.43
104.0-105.0	0.30	953.95	0.03	98.05	151.0-152.0	0.34	967.63	0.03	99.46
105.0-106.0	0.29	954.24	0.03	98.08	152.0-153.0	0.33	967.97	0.03	99.49
106.0-107.0	0.29	954.53	0.03	98.11	153.0-154.0	0.33	968.29	0.03	99.53
107.0-108.0	0.28	954.82	0.03	98.14	154.0-155.0	0.32	968.61	0.03	99.56
108.0-109.0	0.28	955.10	0.03	98.17	155.0-156.0	0.31	968.93	0.03	99.59
109.0-110.0	0.28	955.37	0.03	98.20	156.0-157.0	0.30	969.23	0.03	99.62
110.0-111.0	0.27	955.65	0.03	98.23	157.0-158.0	0.29	969.52	0.03	99.65
111.0-112.0	0.27	955.92	0.03	98.26	158.0-159.0	0.29	969.81	0.03	99.68
112.0-113.0	0.27	956.19	0.03	98.28	159.0-160.0	0.28	970.09	0.03	99.71
113.0-114.0	0.27	956.45	0.03	98.31	160.0-161.0	0.26	970.35	0.03	99.74
114.0-115.0	0.26	956.71	0.03	98.34	161.0-162.0	0.25	970.60	0.03	99.76
115.0-116.0	0.26	956.97	0.03	98.36	162.0-163.0	0.24	970.84	0.02	99.79
116.0-117.0	0.26	957.23	0.03	98.39	163.0-164.0	0.23	971.07	0.02	99.81
117.0-118.0	0.26	957.49	0.03	98.42	164.0-165.0	0.22	971.29	0.02	99.84
118.0-119.0	0.26	957.75	0.03	98.44	165.0-166.0	0.20	971.50	0.02	99.86
119.0-120.0	0.26	958.00	0.03	98.47	166.0-167.0	0.19	971.69	0.02	99.88
120.0-121.0	0.25	958.26	0.03	98.50	167.0-168.0	0.18	971.86	0.02	99.89
121.0-122.0	0.25	958.51	0.03	98.52	168.0-169.0	0.16	972.03	0.02	99.91
122.0-123.0	0.25	958.77	0.03	98.55	169.0-170.0	0.15	972.18	0.02	99.93
123.0-124.0	0.26	959.02	0.03	98.57	170.0-171.0	0.14	972.31	0.01	99.94
124.0-125.0	0.26	959.28	0.03	98.60	171.0-172.0	0.12	972.43	0.01	99.95
125.0-126.0	0.26	959.53	0.03	98.63	172.0-173.0	0.11	972.54	0.01	99.96
126.0-127.0	0.26	959.79	0.03	98.65	173.0-174.0	0.09	972.63	0.01	99.97
127.0-128.0	0.26	960.06	0.03	98.68	174.0-175.0	0.08	972.71	0.01	99.98
128.0-129.0	0.27	960.32	0.03	98.71	175.0-176.0	0.06	972.78	0.01	99.99
129.0-130.0	0.27	960.59	0.03	98.74	176.0-177.0	0.05	972.83	0.01	99.99
130.0-131.0	0.27	960.86	0.03	98.76	177.0-178.0	0.04	972.86	0.00	100.00
131.0-132.0	0.28	961.14	0.03	98.79	178.0-179.0	0.02	972.88	0.00	100.00
132.0-133.0	0.28	961.42	0.03	98.82	179.0-180.0	0.01	972.89	0.00	100.00
133.0-134.0	0.29	961.71	0.03	98.85					
134.0-135.0	0.29	962.00	0.03	98.88					
135.0-136.0	0.30	962.30	0.03	98.91					
136.0-137.0	0.30	962.60	0.03	98.94					
137.0-138.0	0.31	962.91	0.03	98.97					
138.0-139.0	0.32	963.23	0.03	99.01					
139.0-140.0	0.32	963.55	0.03	99.04					
140.0-141.0	0.33	963.88	0.03	99.07					

Rectangle ISO Lighting Intensity Diagram

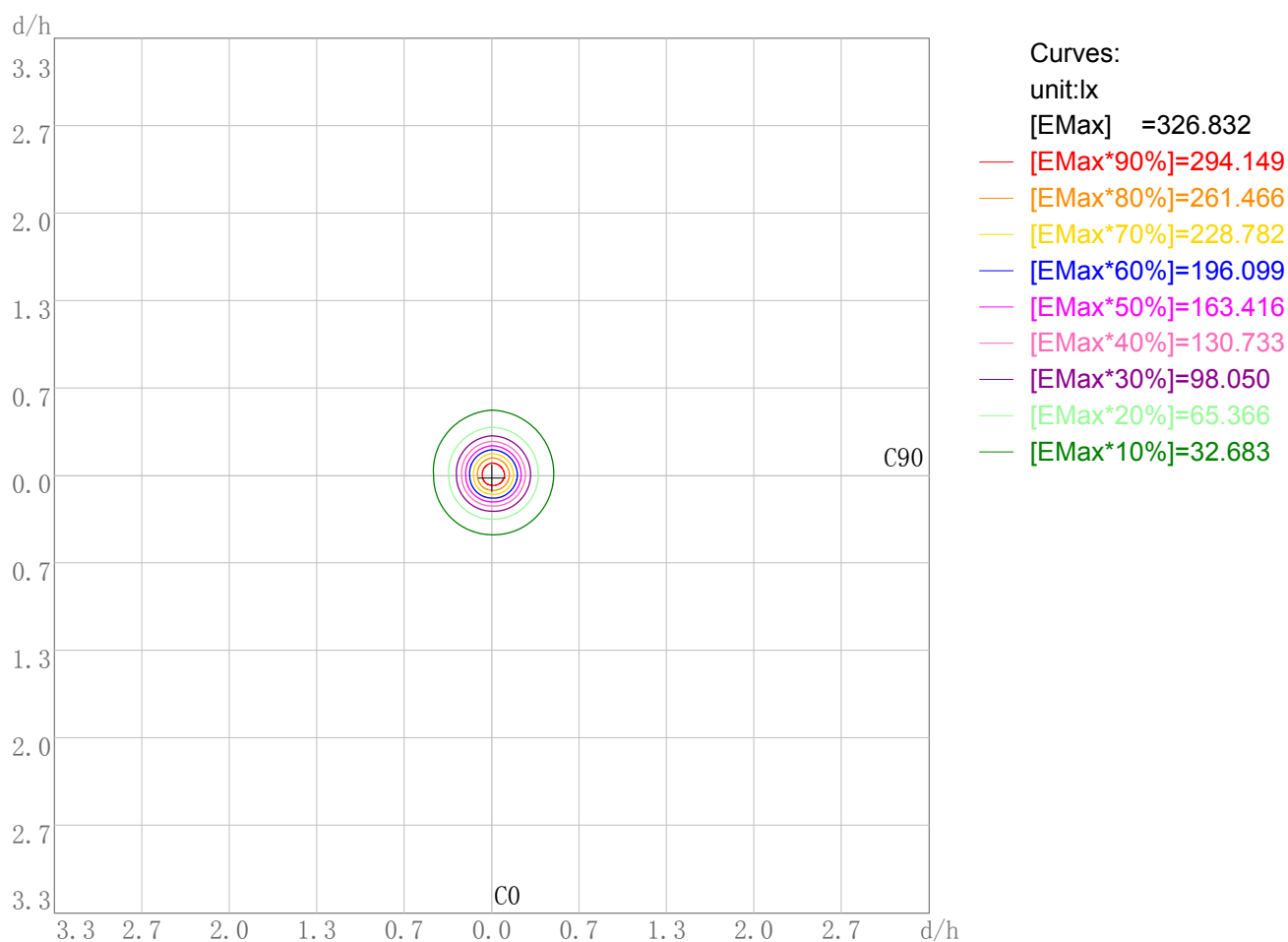
Lum. Name:MD10-13-SL-03 4000K RA97 24D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/03



## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 326.83

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

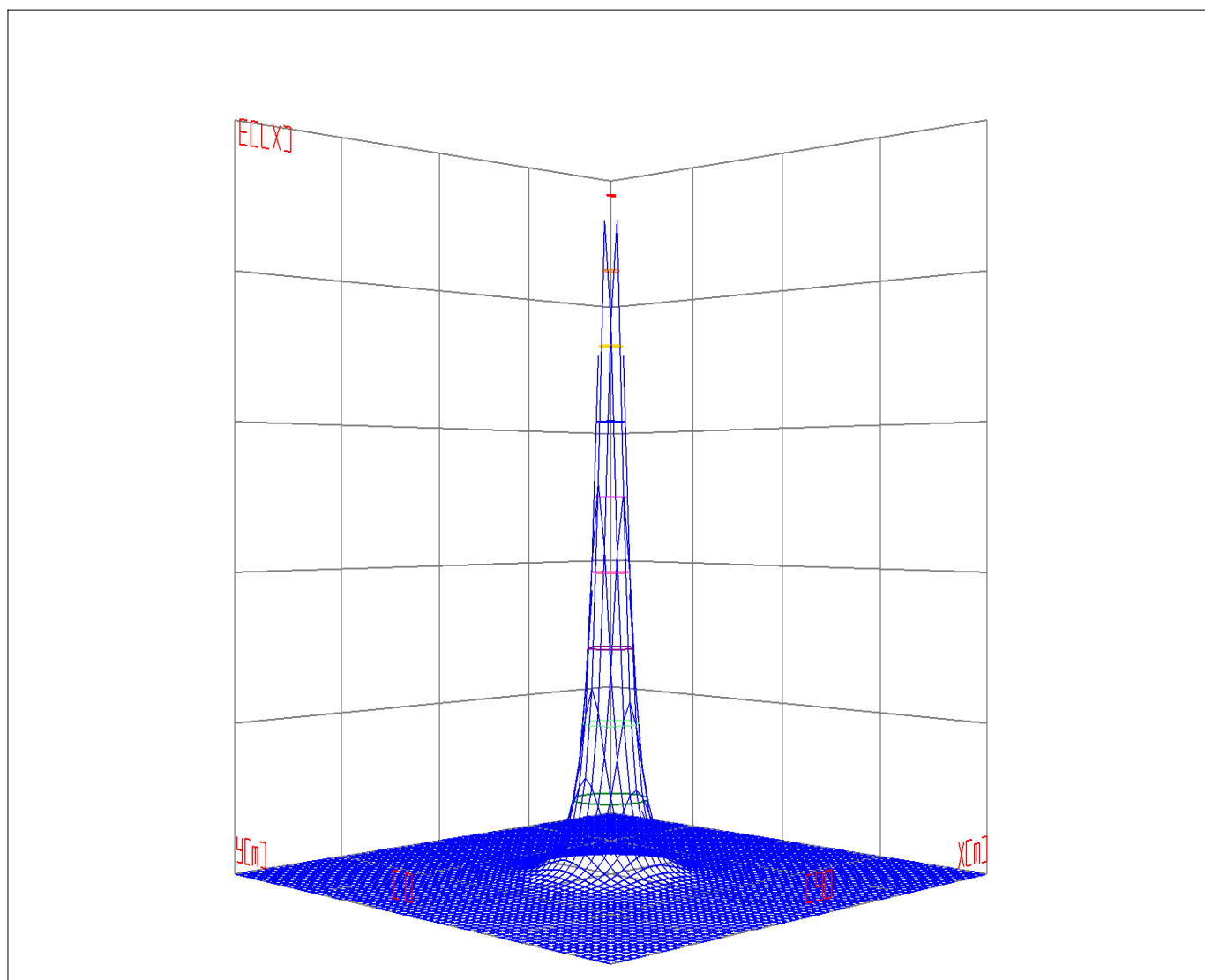
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

## 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



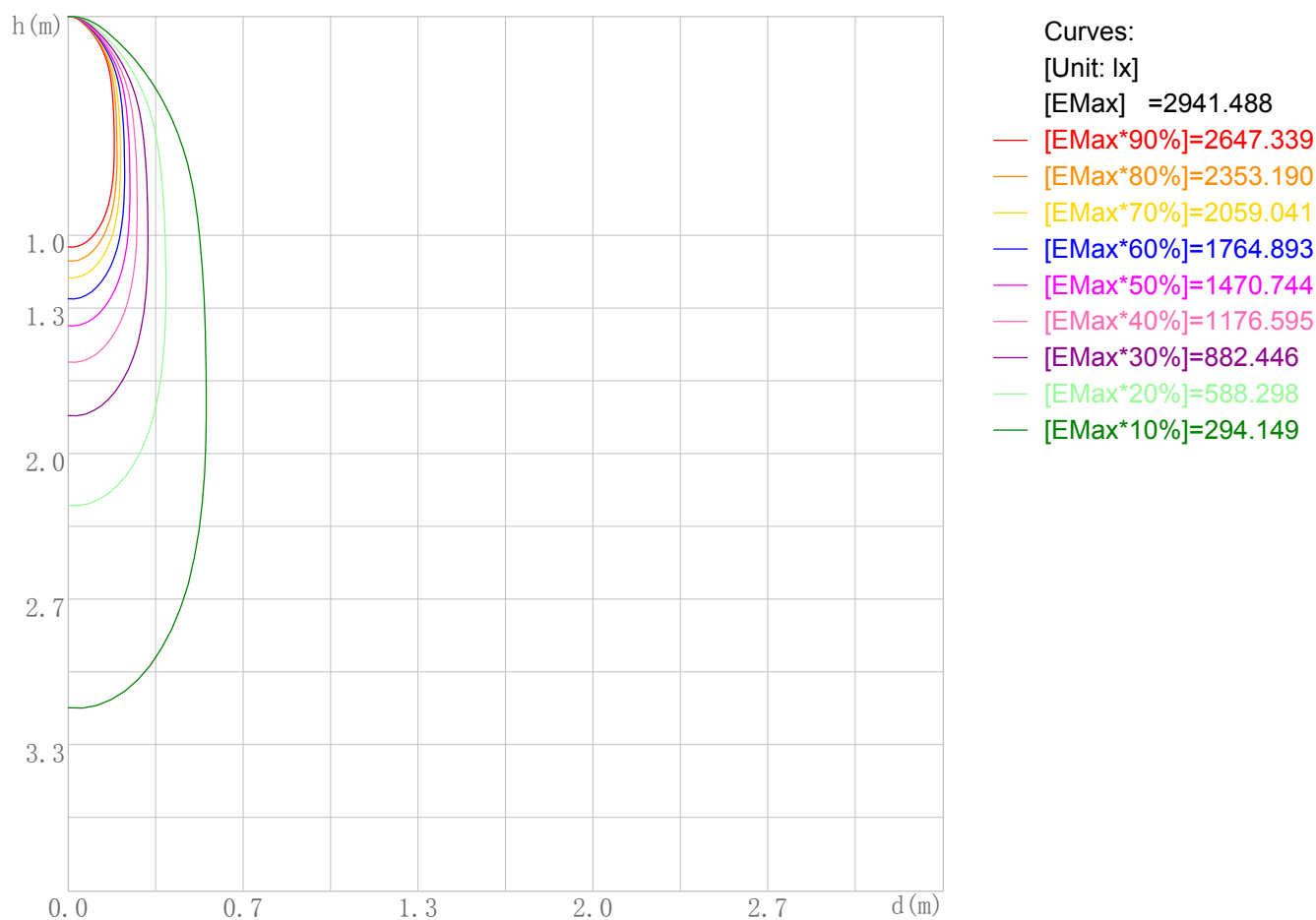
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2941.49lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:2942.832cd,0deg

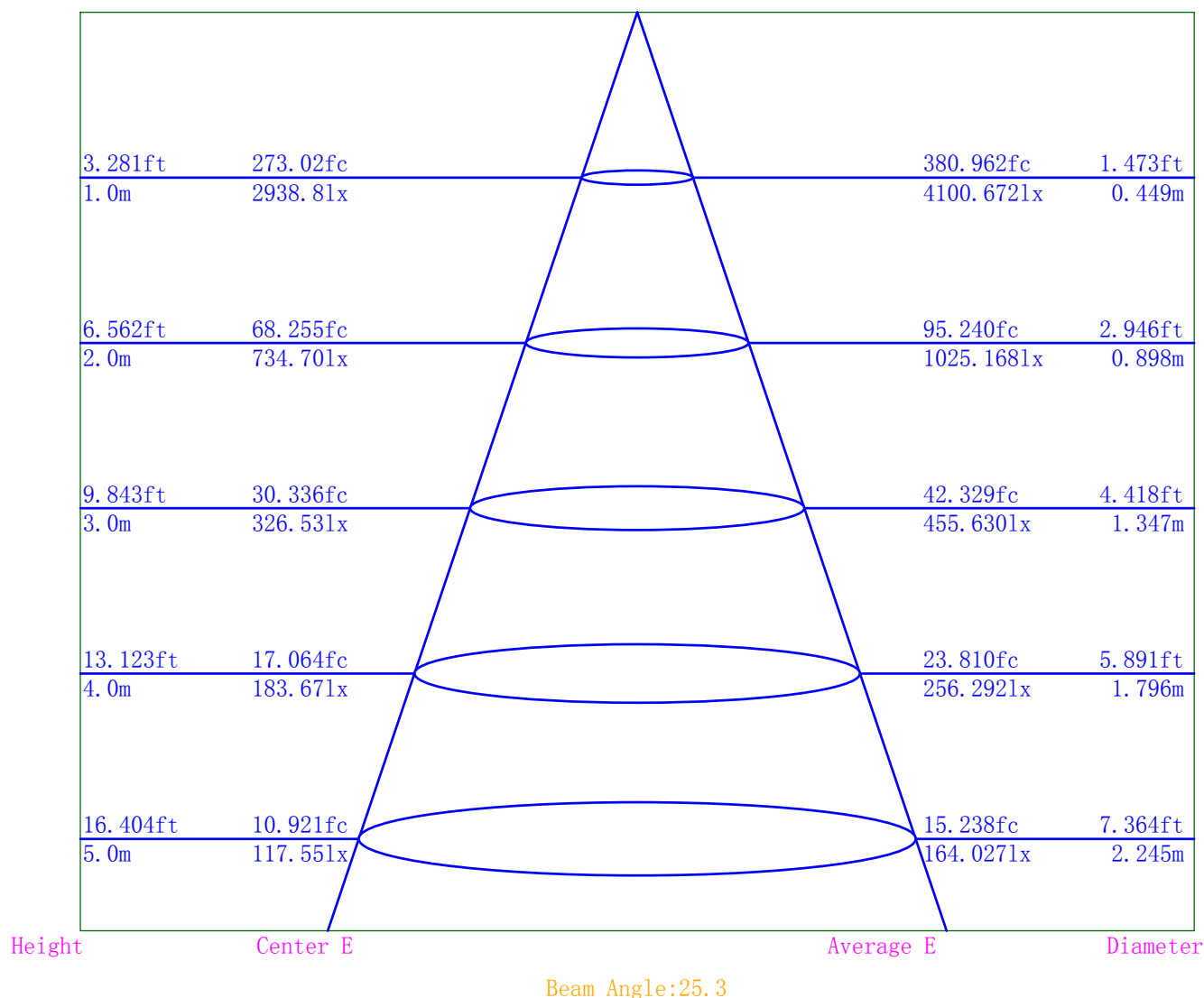
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-SL-03 4000K RA97 24D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/03

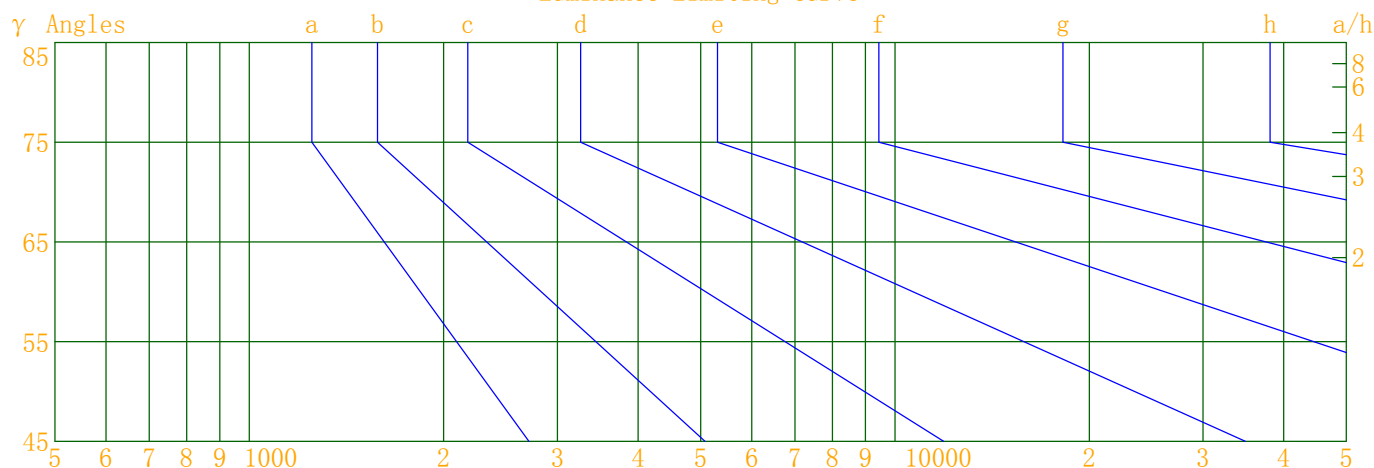
Glare Grade Table

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	233	164	116	87	73	67	68	76	107
C90	173	123	88	67	58	54	55	62	87

Luminance Limiting Curve



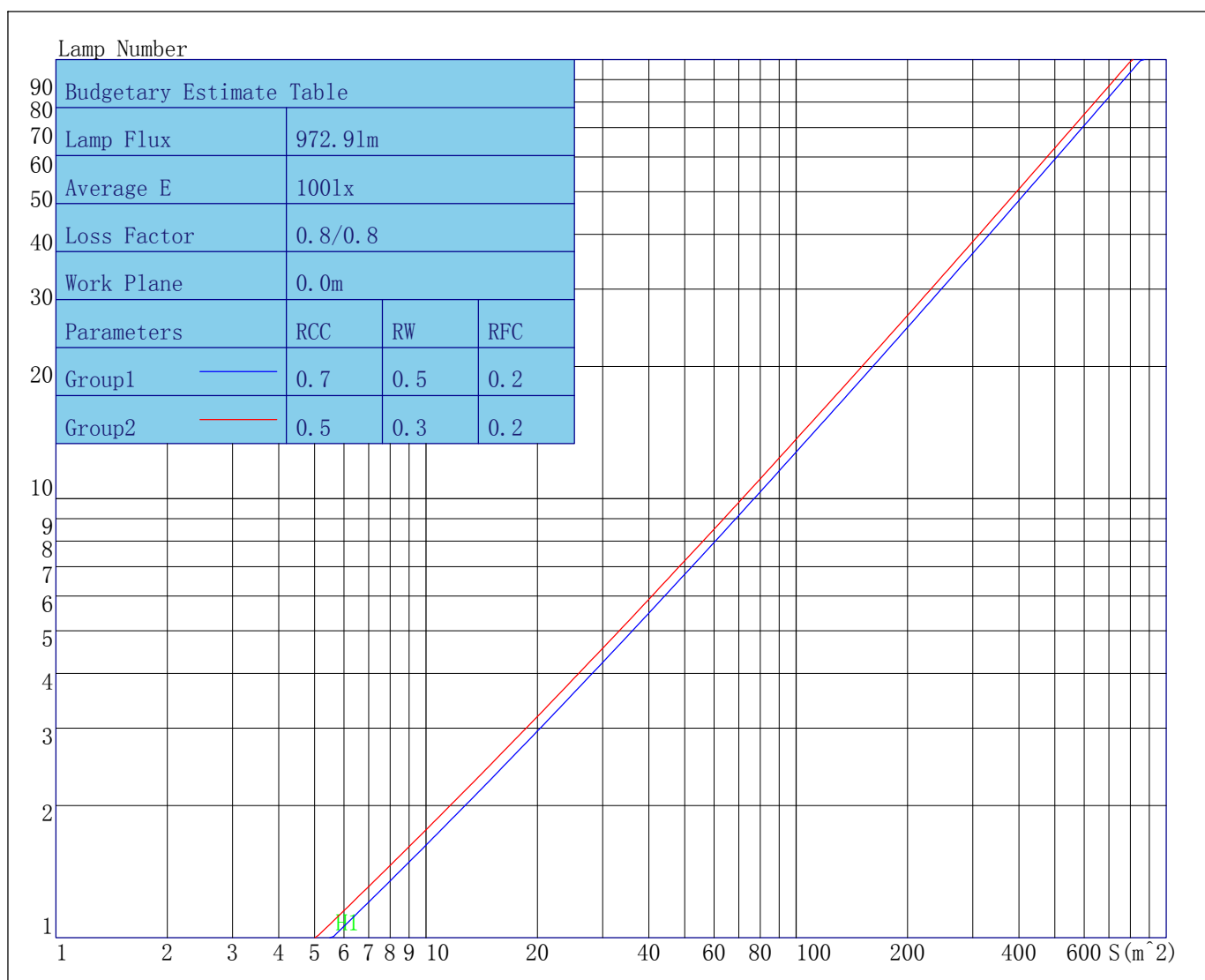
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.650 Area(m^2)=0.571704  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03



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

Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-SL-03 4000K RA97 24D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/03

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	98
1	113	110	108	105	110	108	106	104	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	75	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	73	69	85	77	72	68	76	71	68	74	70	67	73	70	67	66
8	83	74	69	65	82	74	69	65	73	68	65	71	67	64	70	67	64	63
9	80	71	66	63	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	69	63	60	76	68	63	60	67	63	60	66	62	59	65	62	59	58

Unified Glare Rating Table

Lum. Name: MD10-13-SL-03 4000K RA97 24D	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: 2020/01/03

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 Y=3H Y=4H Y=6H Y=8H Y=12H	2.1	3.2	2.5	3.5	3.9	0.9	1.9	1.3	2.3	2.7
	2.4	3.3	2.9	3.7	4.2	1.2	2.1	1.6	2.5	2.9
	2.6	3.5	3.1	3.9	4.3	1.4	2.2	1.8	2.6	3.1
	2.9	3.6	3.3	4.1	4.5	1.6	2.4	2.1	2.8	3.3
	3.0	3.7	3.5	4.2	4.6	1.7	2.5	2.2	2.9	3.4
	3.1	3.9	3.6	4.3	4.8	1.9	2.6	2.4	3.0	3.5
X=4H    Y=2H Y=3H Y=4H Y=6H Y=8H Y=12H	2.1	2.9	2.5	3.3	3.8	0.9	1.8	1.4	2.2	2.6
	2.6	3.2	3.0	3.7	4.2	1.4	2.1	1.8	2.5	3.0
	2.9	3.5	3.3	4.0	4.5	1.7	2.3	2.2	2.8	3.3
	3.2	3.8	3.8	4.3	4.8	2.1	2.6	2.6	3.1	3.6
	3.5	4.0	4.0	4.5	5.0	2.3	2.8	2.8	3.3	3.8
	3.7	4.2	4.3	4.7	5.2	2.5	3.0	3.1	3.5	4.0
X=8H    Y=4H Y=6H Y=8H Y=12H	2.9	3.4	3.4	3.9	4.4	1.8	2.3	2.3	2.8	3.3
	3.4	3.8	4.0	4.4	5.0	2.3	2.7	2.9	3.3	3.9
	3.8	4.1	4.3	4.7	5.2	2.6	3.0	3.2	3.6	4.1
	4.2	4.5	4.7	5.0	5.7	3.0	3.4	3.6	3.9	4.5
X=12H   Y=4H Y=6H Y=8H	2.9	3.3	3.4	3.8	4.4	1.8	2.2	2.3	2.7	3.3
	3.5	3.8	4.0	4.3	4.9	2.4	2.7	2.9	3.2	3.8
	3.8	4.2	4.4	4.7	5.3	2.8	3.1	3.3	3.6	4.2
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.3/-0.3				
S=1.5H	0.4/-0.4					0.4/-0.5				
S=2.0H	0.5/-0.5					0.6/-0.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.7					1.7				

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	2938.79	2938.79	2938.79	2938.79
γ 1.0	2942.83	2941.21	2915.42	2895.52
γ 2.0	2924.85	2928.20	2864.82	2847.50
γ 3.0	2881.78	2887.38	2785.04	2775.39
γ 4.0	2820.63	2823.80	2688.19	2678.42
γ 5.0	2735.98	2742.71	2574.79	2562.00
γ 6.0	2633.85	2637.95	2445.05	2428.01
γ 7.0	2513.44	2511.07	2294.68	2271.45
γ 8.0	2379.62	2369.09	2133.42	2108.22
γ 9.0	2231.59	2207.40	1960.14	1936.23
γ 10.0	2074.34	2042.27	1782.89	1765.04
γ 11.0	1900.20	1868.62	1603.07	1591.29
γ 12.0	1729.19	1689.77	1429.62	1424.75
γ 13.0	1558.31	1512.50	1269.11	1263.71
γ 14.0	1398.07	1347.05	1123.04	1117.69
γ 15.0	1247.13	1193.86	995.35	987.81
γ 16.0	1114.19	1055.55	886.45	876.84
γ 17.0	994.97	936.07	790.98	780.94
γ 18.0	892.78	832.04	710.53	698.64
γ 19.0	804.63	743.32	639.33	626.80
γ 20.0	729.09	667.36	577.71	564.90
γ 21.0	663.49	600.58	523.03	510.02
γ 22.0	605.48	542.46	474.89	461.44
γ 23.0	552.68	489.87	432.72	419.65
γ 24.0	506.79	445.35	395.00	382.31
γ 25.0	465.14	405.53	360.67	349.43
γ 26.0	429.43	370.89	330.33	319.79
γ 27.0	396.82	339.68	303.18	293.34
γ 28.0	367.70	311.83	278.39	269.04
γ 29.0	340.73	286.44	255.40	246.57
γ 30.0	316.13	263.47	234.53	226.19
γ 31.0	293.43	242.13	214.75	207.00
γ 32.0	272.45	222.16	196.44	189.43
γ 33.0	252.79	203.49	179.63	173.47
γ 34.0	234.61	186.48	164.37	159.00
γ 35.0	216.81	170.59	150.24	145.42
γ 36.0	200.78	156.24	137.33	133.19
γ 37.0	185.38	142.81	125.20	121.76
γ 38.0	171.28	130.53	114.50	111.61
γ 39.0	157.99	119.24	104.85	102.45
γ 40.0	145.37	109.16	96.02	94.04
γ 41.0	133.43	99.64	87.80	86.38
γ 42.0	122.55	91.21	80.54	79.30
γ 43.0	112.32	83.26	73.74	72.76
γ 44.0	103.09	76.40	67.62	66.93
γ 45.0	94.30	70.08	61.84	61.61
γ 46.0	86.25	64.42	56.53	56.78

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	78.75	58.96	51.68	52.22
γ 48.0	72.04	54.08	47.13	48.15
γ 49.0	65.77	49.50	42.88	44.32
γ 50.0	60.22	45.31	39.17	40.85
γ 51.0	54.92	41.40	35.75	37.49
γ 52.0	50.26	37.83	32.62	34.49
γ 53.0	45.88	34.54	29.92	31.70
γ 54.0	41.83	31.52	27.56	29.25
γ 55.0	38.18	28.80	25.43	26.99
γ 56.0	34.92	26.40	23.58	24.92
γ 57.0	31.96	24.26	21.98	23.07
γ 58.0	29.29	22.37	20.54	21.52
γ 59.0	26.95	20.72	19.21	20.07
γ 60.0	24.83	19.25	18.03	18.78
γ 61.0	23.02	17.95	16.93	17.61
γ 62.0	21.44	16.80	15.97	16.61
γ 63.0	19.99	15.73	15.07	15.72
γ 64.0	18.71	14.77	14.27	14.91
γ 65.0	17.53	13.93	13.52	14.17
γ 66.0	16.51	13.17	12.82	13.49
γ 67.0	15.57	12.44	12.15	12.83
γ 68.0	14.70	11.81	11.51	12.23
γ 69.0	13.89	11.19	10.91	11.66
γ 70.0	13.15	10.64	10.33	11.10
γ 71.0	12.44	10.08	9.79	10.57
γ 72.0	11.79	9.58	9.27	10.07
γ 73.0	11.16	9.10	8.78	9.59
γ 74.0	10.58	8.63	8.31	9.12
γ 75.0	10.02	8.17	7.86	8.65
γ 76.0	9.49	7.76	7.42	8.21
γ 77.0	8.97	7.34	7.01	7.78
γ 78.0	8.48	6.95	6.61	7.36
γ 79.0	7.99	6.56	6.19	6.93
γ 80.0	7.53	6.18	5.80	6.51
γ 81.0	7.06	5.81	5.38	6.07
γ 82.0	6.61	5.42	4.97	5.67
γ 83.0	6.12	5.00	4.65	5.32
γ 84.0	5.74	4.67	4.32	4.98
γ 85.0	5.36	4.35	4.03	4.70
γ 86.0	5.01	4.06	3.80	4.41
γ 87.0	4.73	3.83	3.59	4.23
γ 88.0	4.45	3.59	3.44	4.09
γ 89.0	4.27	3.44	3.35	3.98
γ 90.0	4.16	3.34	3.27	3.87
γ 91.0	4.04	3.26	3.18	3.77
γ 92.0	3.95	3.19	3.12	3.67
γ 93.0	3.86	3.11	3.04	3.58



# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.77	3.04	2.97	3.50
γ 95.0	3.68	2.99	2.91	3.41
γ 96.0	3.61	2.93	2.85	3.35
γ 97.0	3.53	2.88	2.79	3.27
γ 98.0	3.45	2.82	2.75	3.20
γ 99.0	3.39	2.78	2.69	3.14
γ 100.0	3.32	2.74	2.66	3.09
γ 101.0	3.27	2.70	2.63	3.04
γ 102.0	3.22	2.66	2.60	3.00
γ 103.0	3.17	2.63	2.57	2.95
γ 104.0	3.13	2.60	2.55	2.92
γ 105.0	3.08	2.57	2.54	2.89
γ 106.0	3.04	2.54	2.53	2.87
γ 107.0	3.01	2.52	2.52	2.85
γ 108.0	2.96	2.50	2.51	2.82
γ 109.0	2.93	2.48	2.51	2.81
γ 110.0	2.91	2.46	2.52	2.80
γ 111.0	2.87	2.44	2.53	2.80
γ 112.0	2.84	2.42	2.54	2.80
γ 113.0	2.82	2.41	2.55	2.79
γ 114.0	2.80	2.40	2.57	2.79
γ 115.0	2.77	2.38	2.58	2.81
γ 116.0	2.75	2.37	2.61	2.80
γ 117.0	2.73	2.37	2.63	2.83
γ 118.0	2.72	2.38	2.67	2.84
γ 119.0	2.72	2.37	2.71	2.85
γ 120.0	2.71	2.38	2.74	2.89
γ 121.0	2.72	2.38	2.79	2.92
γ 122.0	2.73	2.41	2.85	2.96
γ 123.0	2.74	2.43	2.91	3.00
γ 124.0	2.76	2.47	2.97	3.04
γ 125.0	2.80	2.51	3.02	3.11
γ 126.0	2.82	2.56	3.10	3.16
γ 127.0	2.88	2.60	3.18	3.24
γ 128.0	2.92	2.68	3.27	3.32
γ 129.0	3.00	2.75	3.37	3.40
γ 130.0	3.07	2.83	3.47	3.51
γ 131.0	3.14	2.92	3.59	3.62
γ 132.0	3.23	3.03	3.72	3.74
γ 133.0	3.34	3.14	3.85	3.86
γ 134.0	3.46	3.26	4.00	4.00
γ 135.0	3.57	3.39	4.14	4.14
γ 136.0	3.71	3.53	4.30	4.29
γ 137.0	3.85	3.67	4.47	4.45
γ 138.0	3.99	3.83	4.64	4.61
γ 139.0	4.14	3.99	4.81	4.79
γ 140.0	4.30	4.16	4.98	4.96

# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 24D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.47	4.34	5.16	5.14
γ 142.0	4.64	4.52	5.33	5.32
γ 143.0	4.81	4.70	5.52	5.48
γ 144.0	4.98	4.88	5.68	5.66
γ 145.0	5.16	5.05	5.86	5.82
γ 146.0	5.32	5.22	6.02	5.97
γ 147.0	5.49	5.39	6.18	6.12
γ 148.0	5.66	5.56	6.32	6.27
γ 149.0	5.83	5.74	6.46	6.39
γ 150.0	5.98	5.87	6.59	6.52
γ 151.0	6.13	6.02	6.71	6.65
γ 152.0	6.26	6.16	6.82	6.76
γ 153.0	6.39	6.29	6.94	6.87
γ 154.0	6.52	6.40	7.04	6.95
γ 155.0	6.63	6.51	7.12	7.02
γ 156.0	6.74	6.61	7.19	7.10
γ 157.0	6.84	6.69	7.26	7.16
γ 158.0	6.93	6.79	7.34	7.21
γ 159.0	7.01	6.87	7.41	7.26
γ 160.0	7.09	6.94	7.45	7.32
γ 161.0	7.17	7.01	7.49	7.34
γ 162.0	7.22	7.07	7.53	7.39
γ 163.0	7.28	7.14	7.57	7.42
γ 164.0	7.34	7.18	7.59	7.43
γ 165.0	7.38	7.23	7.61	7.44
γ 166.0	7.43	7.27	7.63	7.45
γ 167.0	7.46	7.30	7.64	7.45
γ 168.0	7.48	7.34	7.65	7.45
γ 169.0	7.50	7.36	7.63	7.44
γ 170.0	7.52	7.37	7.62	7.42
γ 171.0	7.52	7.37	7.62	7.41
γ 172.0	7.54	7.37	7.60	7.39
γ 173.0	7.53	7.37	7.60	7.38
γ 174.0	7.54	7.38	7.59	7.38
γ 175.0	7.55	7.38	7.58	7.38
γ 176.0	7.55	7.39	7.57	7.40
γ 177.0	7.57	7.41	7.58	7.43
γ 178.0	7.59	7.41	7.60	7.45
γ 179.0	7.60	7.41	7.61	7.46
γ 180.0	7.56	7.56	7.56	7.56