

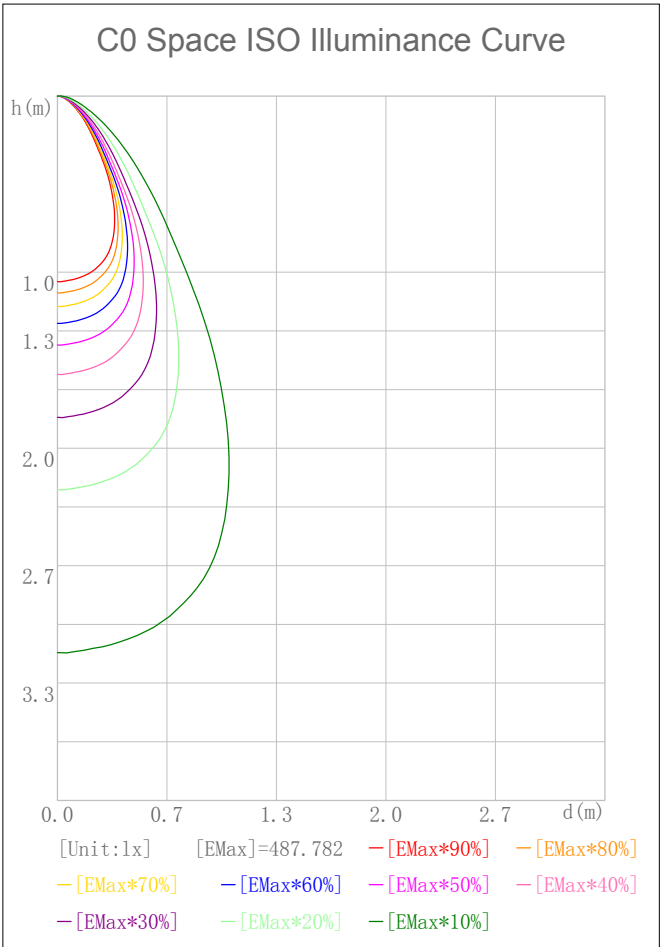
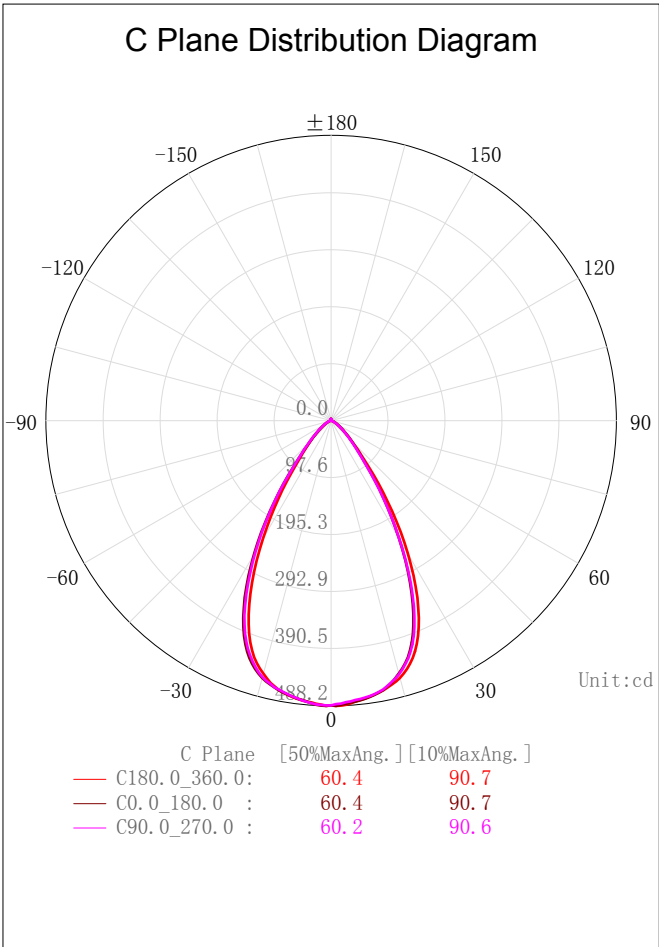
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-06-XX-01 2700K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/10
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*0.450m	Lum. Area (m2):0.025	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%): 50.0

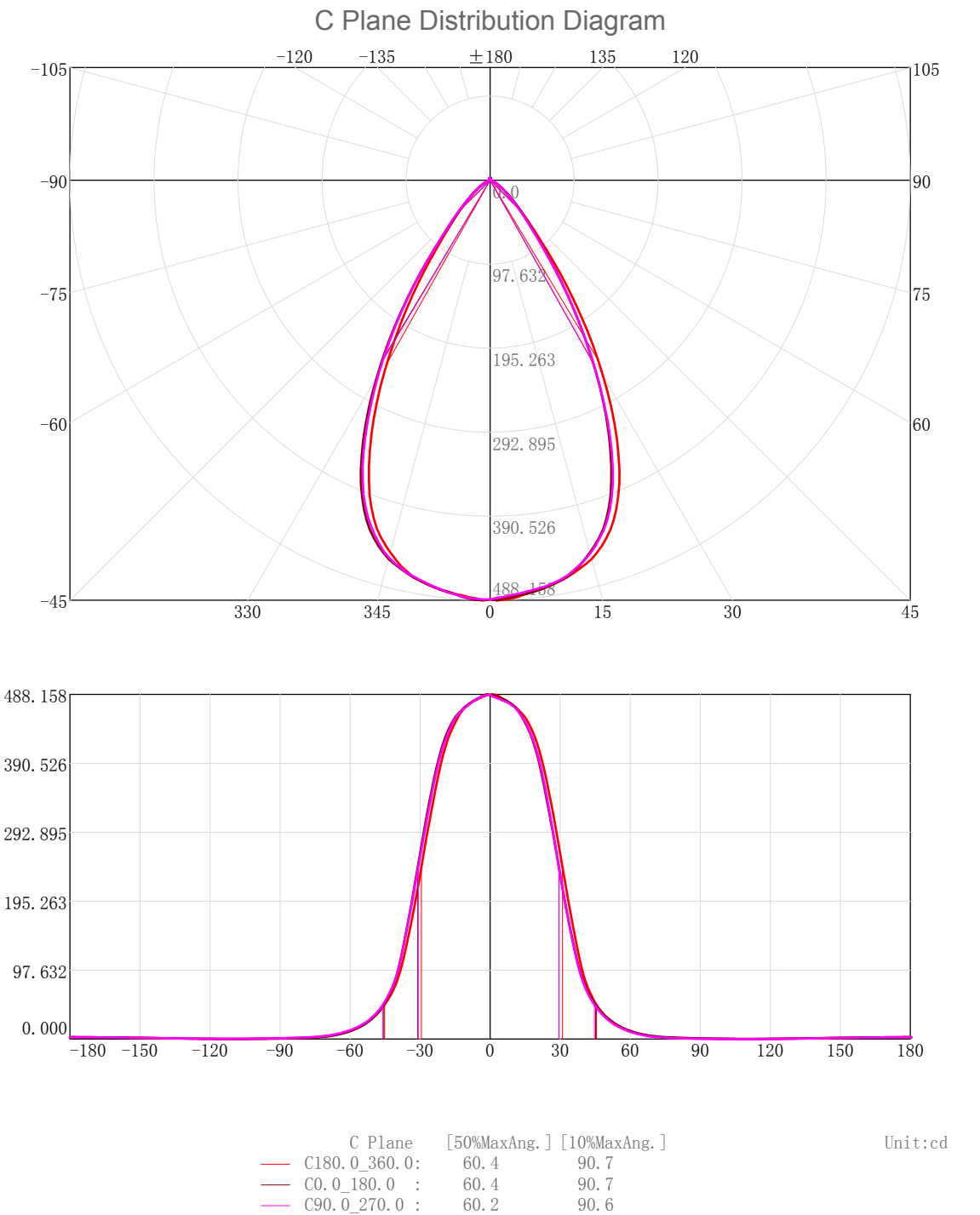
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 479.520	Luminary Flux(lm): 497.523	Field Angle(10%Imax): 90.7(°)
Rated Power(W):	Luminary Efficiency: 103.75%	Down Lumens&Percent: 491.958lm 98.88%
Rated Voltage(V):	Luminary EER(lm/W): 90.278	Up Lumens&Percent: 5.565lm 1.12%
Tested Power(W): 5.511	Max. Candela(cd): 488.158	S/MH: C0_a180=0.954 C90_270=0.952
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.1, 0.026, 0.869	Beam Angle(50%Imax): 60.4(°)	ErP Φ use(90°): 447.567lm
Lamp Size (W*L*H):0.050m*0.050m*0.450m	Left=-29.4°, Right=31.0°	IRF(%): 221.360



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10



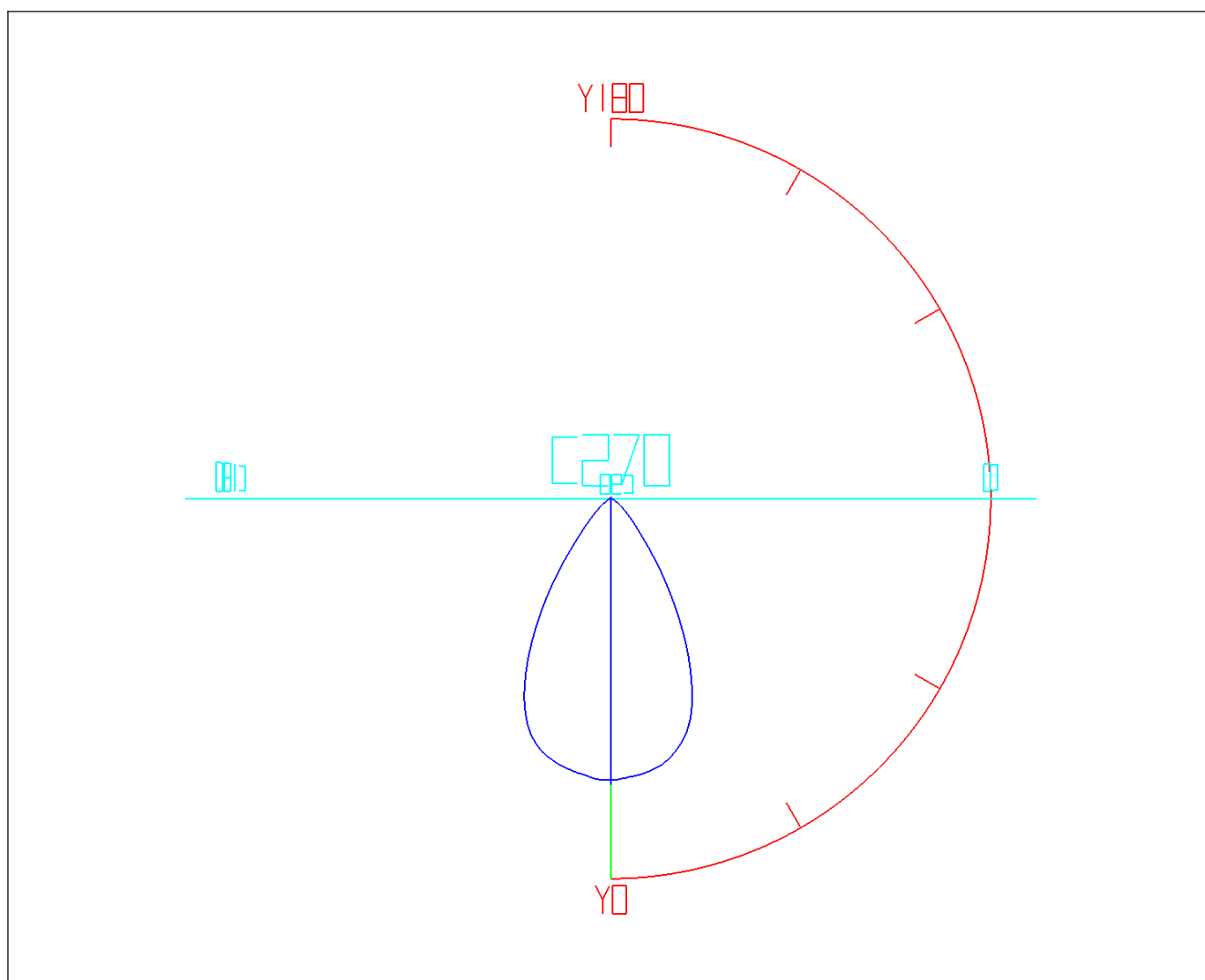
# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

## 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

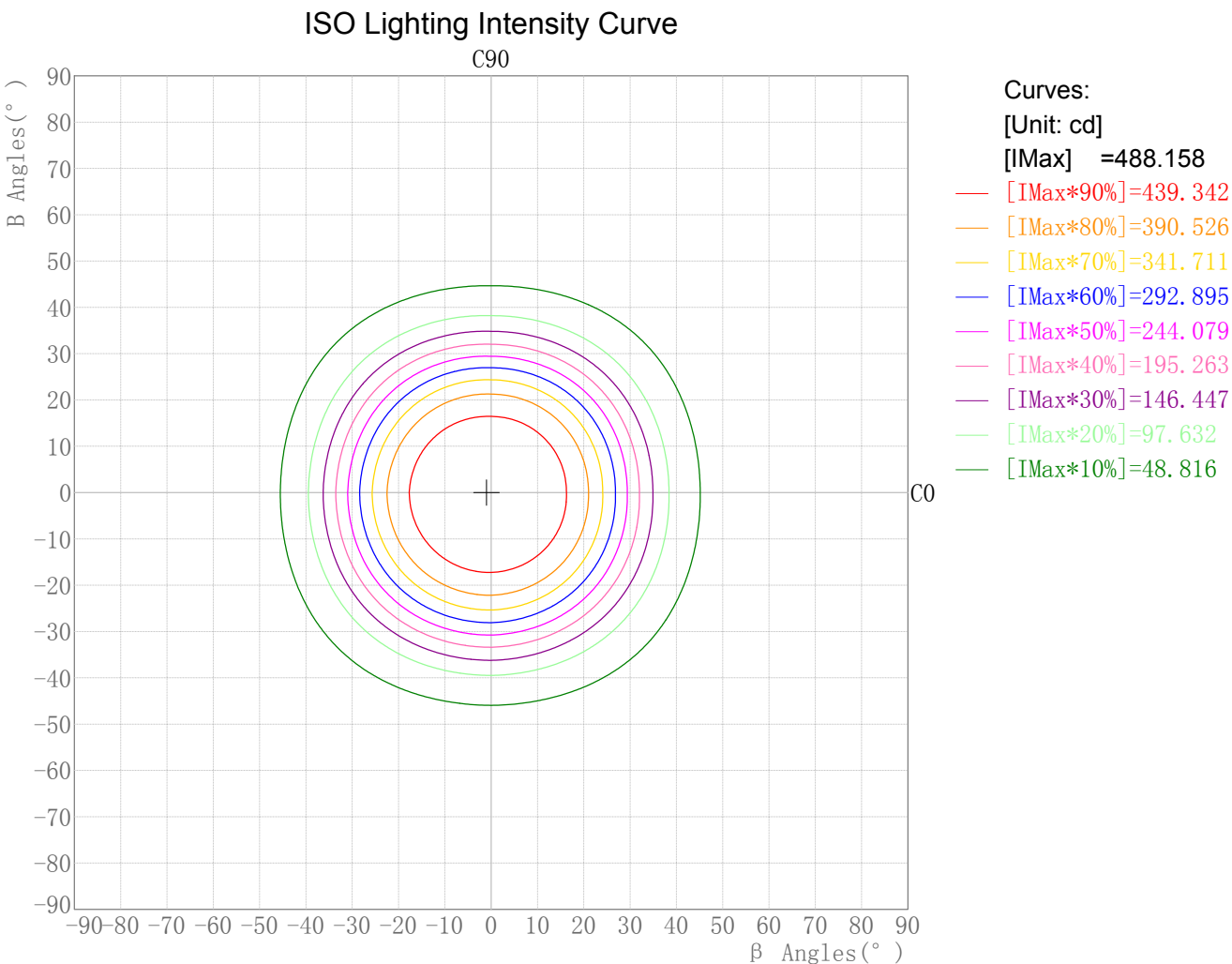
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.47	0.47	0.10	0.10	47.0-48.0	3.18	457.68	0.66	95.44
1.0-2.0	1.40	1.86	0.29	0.39	48.0-49.0	2.92	460.60	0.61	96.05
2.0-3.0	2.32	4.19	0.48	0.87	49.0-50.0	2.69	463.29	0.56	96.62
3.0-4.0	3.24	7.43	0.68	1.55	50.0-51.0	2.47	465.76	0.52	97.13
4.0-5.0	4.15	11.58	0.87	2.42	51.0-52.0	2.27	468.03	0.47	97.60
5.0-6.0	5.06	16.64	1.05	3.47	52.0-53.0	2.09	470.12	0.44	98.04
6.0-7.0	5.95	22.59	1.24	4.71	53.0-54.0	1.92	472.04	0.40	98.44
7.0-8.0	6.83	29.42	1.43	6.14	54.0-55.0	1.76	473.81	0.37	98.81
8.0-9.0	7.71	37.13	1.61	7.74	55.0-56.0	1.62	475.43	0.34	99.15
9.0-10.0	8.56	45.69	1.79	9.53	56.0-57.0	1.49	476.91	0.31	99.46
10.0-11.0	9.40	55.09	1.96	11.49	57.0-58.0	1.36	478.28	0.28	99.74
11.0-12.0	10.21	65.31	2.13	13.62	58.0-59.0	1.25	479.52	0.26	100.00
12.0-13.0	11.00	76.30	2.29	15.91	59.0-60.0	1.14	480.66	0.24	100.24
13.0-14.0	11.75	88.05	2.45	18.36	60.0-61.0	1.04	481.71	0.22	100.46
14.0-15.0	12.47	100.52	2.60	20.96	61.0-62.0	0.95	482.66	0.20	100.65
15.0-16.0	13.15	113.67	2.74	23.70	62.0-63.0	0.87	483.53	0.18	100.84
16.0-17.0	13.77	127.44	2.87	26.58	63.0-64.0	0.79	484.31	0.16	101.00
17.0-18.0	14.34	141.78	2.99	29.57	64.0-65.0	0.71	485.03	0.15	101.15
18.0-19.0	14.84	156.62	3.09	32.66	65.0-66.0	0.65	485.68	0.13	101.28
19.0-20.0	15.25	171.87	3.18	35.84	66.0-67.0	0.58	486.26	0.12	101.41
20.0-21.0	15.58	187.45	3.25	39.09	67.0-68.0	0.53	486.78	0.11	101.52
21.0-22.0	15.80	203.25	3.30	42.39	68.0-69.0	0.48	487.26	0.10	101.61
22.0-23.0	15.92	219.17	3.32	45.71	69.0-70.0	0.43	487.69	0.09	101.70
23.0-24.0	15.92	235.09	3.32	49.03	70.0-71.0	0.40	488.09	0.08	101.79
24.0-25.0	15.81	250.90	3.30	52.32	71.0-72.0	0.37	488.46	0.08	101.86
25.0-26.0	15.60	266.51	3.25	55.58	72.0-73.0	0.34	488.79	0.07	101.93
26.0-27.0	15.30	281.80	3.19	58.77	73.0-74.0	0.31	489.10	0.06	102.00
27.0-28.0	14.89	296.69	3.10	61.87	74.0-75.0	0.28	489.38	0.06	102.06
28.0-29.0	14.39	311.08	3.00	64.87	75.0-76.0	0.26	489.64	0.05	102.11
29.0-30.0	13.82	324.90	2.88	67.76	76.0-77.0	0.24	489.88	0.05	102.16
30.0-31.0	13.20	338.10	2.75	70.51	77.0-78.0	0.23	490.11	0.05	102.21
31.0-32.0	12.52	350.62	2.61	73.12	78.0-79.0	0.21	490.32	0.04	102.25
32.0-33.0	11.79	362.42	2.46	75.58	79.0-80.0	0.20	490.52	0.04	102.29
33.0-34.0	11.02	373.44	2.30	77.88	80.0-81.0	0.19	490.71	0.04	102.33
34.0-35.0	10.22	383.66	2.13	80.01	81.0-82.0	0.18	490.89	0.04	102.37
35.0-36.0	9.42	393.08	1.96	81.97	82.0-83.0	0.17	491.06	0.04	102.41
36.0-37.0	8.60	401.68	1.79	83.77	83.0-84.0	0.16	491.22	0.03	102.44
37.0-38.0	7.80	409.48	1.63	85.39	84.0-85.0	0.15	491.37	0.03	102.47
38.0-39.0	7.04	416.51	1.47	86.86	85.0-86.0	0.14	491.51	0.03	102.50
39.0-40.0	6.35	422.87	1.33	88.19	86.0-87.0	0.13	491.63	0.03	102.53
40.0-41.0	5.77	428.64	1.20	89.39	87.0-88.0	0.12	491.75	0.02	102.55
41.0-42.0	5.27	433.91	1.10	90.49	88.0-89.0	0.11	491.86	0.02	102.57
42.0-43.0	4.84	438.75	1.01	91.50	89.0-90.0	0.10	491.96	0.02	102.59
43.0-44.0	4.45	443.20	0.93	92.43	90.0-91.0	0.09	492.05	0.02	102.61
44.0-45.0	4.09	447.28	0.85	93.28	91.0-92.0	0.09	492.14	0.02	102.63
45.0-46.0	3.76	451.04	0.78	94.06	92.0-93.0	0.08	492.22	0.02	102.65
46.0-47.0	3.46	454.50	0.72	94.78	93.0-94.0	0.08	492.30	0.02	102.67

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	0.07	492.38	0.02	102.68	141.0-142.0	0.09	494.90	0.02	103.21
95.0-96.0	0.07	492.44	0.01	102.70	142.0-143.0	0.09	494.99	0.02	103.23
96.0-97.0	0.06	492.51	0.01	102.71	143.0-144.0	0.09	495.08	0.02	103.25
97.0-98.0	0.06	492.57	0.01	102.72	144.0-145.0	0.10	495.18	0.02	103.27
98.0-99.0	0.06	492.63	0.01	102.73	145.0-146.0	0.10	495.28	0.02	103.29
99.0-100.0	0.05	492.68	0.01	102.74	146.0-147.0	0.10	495.37	0.02	103.31
100.0-101.0	0.05	492.73	0.01	102.75	147.0-148.0	0.10	495.47	0.02	103.33
101.0-102.0	0.05	492.78	0.01	102.76	148.0-149.0	0.10	495.57	0.02	103.35
102.0-103.0	0.04	492.82	0.01	102.77	149.0-150.0	0.10	495.67	0.02	103.37
103.0-104.0	0.04	492.86	0.01	102.78	150.0-151.0	0.10	495.77	0.02	103.39
104.0-105.0	0.04	492.90	0.01	102.79	151.0-152.0	0.10	495.86	0.02	103.41
105.0-106.0	0.04	492.94	0.01	102.80	152.0-153.0	0.10	495.96	0.02	103.43
106.0-107.0	0.04	492.98	0.01	102.81	153.0-154.0	0.10	496.05	0.02	103.45
107.0-108.0	0.03	493.01	0.01	102.81	154.0-155.0	0.09	496.15	0.02	103.47
108.0-109.0	0.03	493.04	0.01	102.82	155.0-156.0	0.09	496.24	0.02	103.49
109.0-110.0	0.03	493.08	0.01	102.83	156.0-157.0	0.09	496.33	0.02	103.51
110.0-111.0	0.03	493.11	0.01	102.83	157.0-158.0	0.09	496.42	0.02	103.52
111.0-112.0	0.03	493.14	0.01	102.84	158.0-159.0	0.09	496.51	0.02	103.54
112.0-113.0	0.03	493.17	0.01	102.85	159.0-160.0	0.08	496.59	0.02	103.56
113.0-114.0	0.03	493.20	0.01	102.85	160.0-161.0	0.08	496.67	0.02	103.58
114.0-115.0	0.03	493.23	0.01	102.86	161.0-162.0	0.08	496.75	0.02	103.59
115.0-116.0	0.03	493.27	0.01	102.87	162.0-163.0	0.08	496.83	0.02	103.61
116.0-117.0	0.03	493.30	0.01	102.87	163.0-164.0	0.07	496.90	0.02	103.62
117.0-118.0	0.04	493.34	0.01	102.88	164.0-165.0	0.07	496.97	0.01	103.64
118.0-119.0	0.04	493.38	0.01	102.89	165.0-166.0	0.07	497.04	0.01	103.65
119.0-120.0	0.04	493.41	0.01	102.90	166.0-167.0	0.06	497.10	0.01	103.67
120.0-121.0	0.04	493.46	0.01	102.91	167.0-168.0	0.06	497.16	0.01	103.68
121.0-122.0	0.04	493.50	0.01	102.92	168.0-169.0	0.06	497.22	0.01	103.69
122.0-123.0	0.05	493.54	0.01	102.92	169.0-170.0	0.05	497.27	0.01	103.70
123.0-124.0	0.05	493.59	0.01	102.93	170.0-171.0	0.05	497.32	0.01	103.71
124.0-125.0	0.05	493.64	0.01	102.94	171.0-172.0	0.04	497.36	0.01	103.72
125.0-126.0	0.05	493.69	0.01	102.96	172.0-173.0	0.04	497.40	0.01	103.73
126.0-127.0	0.06	493.75	0.01	102.97	173.0-174.0	0.03	497.43	0.01	103.73
127.0-128.0	0.06	493.81	0.01	102.98	174.0-175.0	0.03	497.46	0.01	103.74
128.0-129.0	0.06	493.87	0.01	102.99	175.0-176.0	0.02	497.48	0.00	103.75
129.0-130.0	0.06	493.93	0.01	103.01	176.0-177.0	0.02	497.50	0.00	103.75
130.0-131.0	0.07	494.00	0.01	103.02	177.0-178.0	0.01	497.51	0.00	103.75
131.0-132.0	0.07	494.07	0.01	103.03	178.0-179.0	0.01	497.52	0.00	103.75
132.0-133.0	0.07	494.14	0.02	103.05	179.0-180.0	0.00	497.52	0.00	103.75
133.0-134.0	0.07	494.22	0.02	103.06					
134.0-135.0	0.08	494.29	0.02	103.08					
135.0-136.0	0.08	494.37	0.02	103.10					
136.0-137.0	0.08	494.46	0.02	103.11					
137.0-138.0	0.08	494.54	0.02	103.13					
138.0-139.0	0.09	494.63	0.02	103.15					
139.0-140.0	0.09	494.71	0.02	103.17					
140.0-141.0	0.09	494.80	0.02	103.19					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10



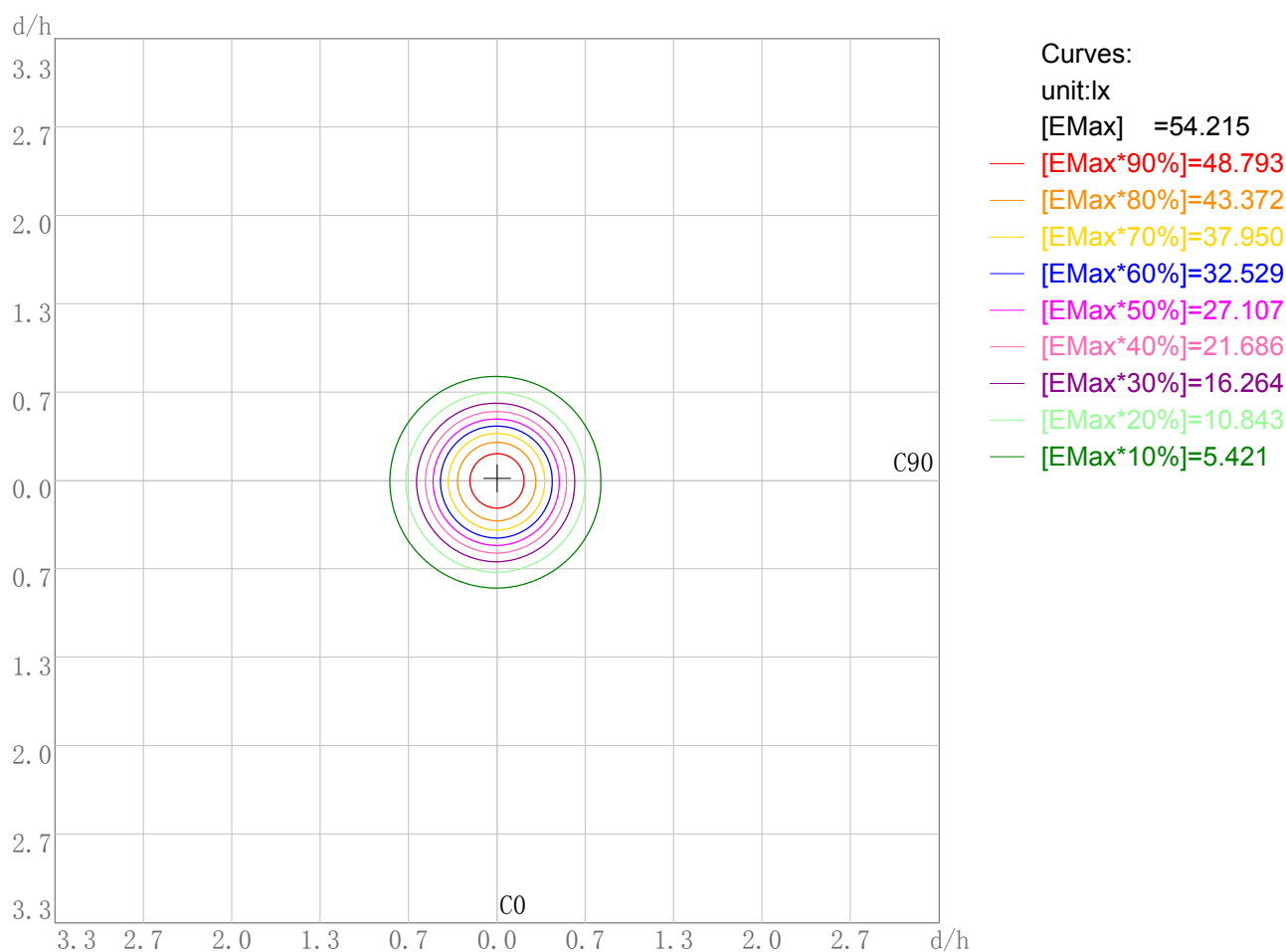
# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 54.21

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

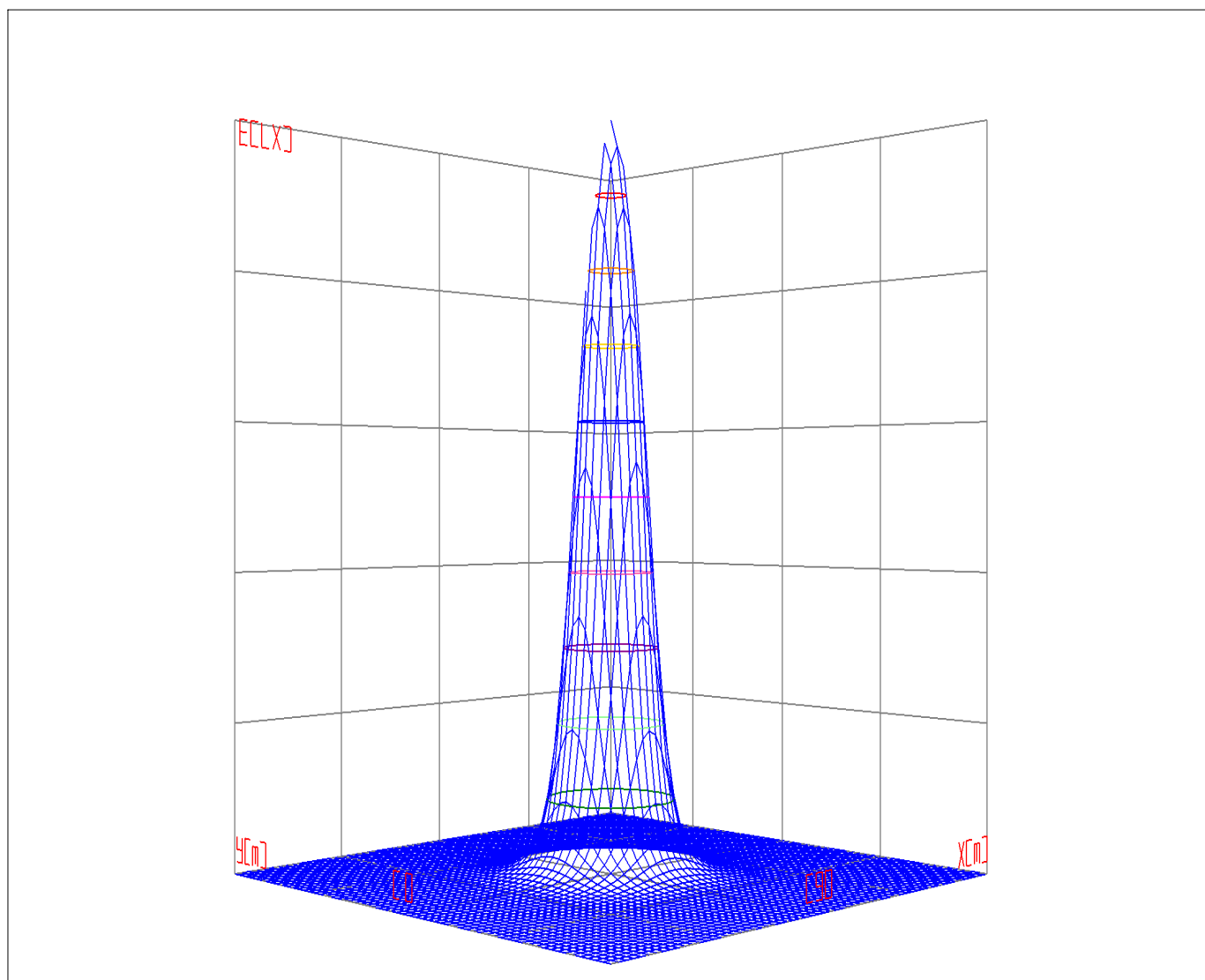
# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

## 3D Plane Illuminance Modal



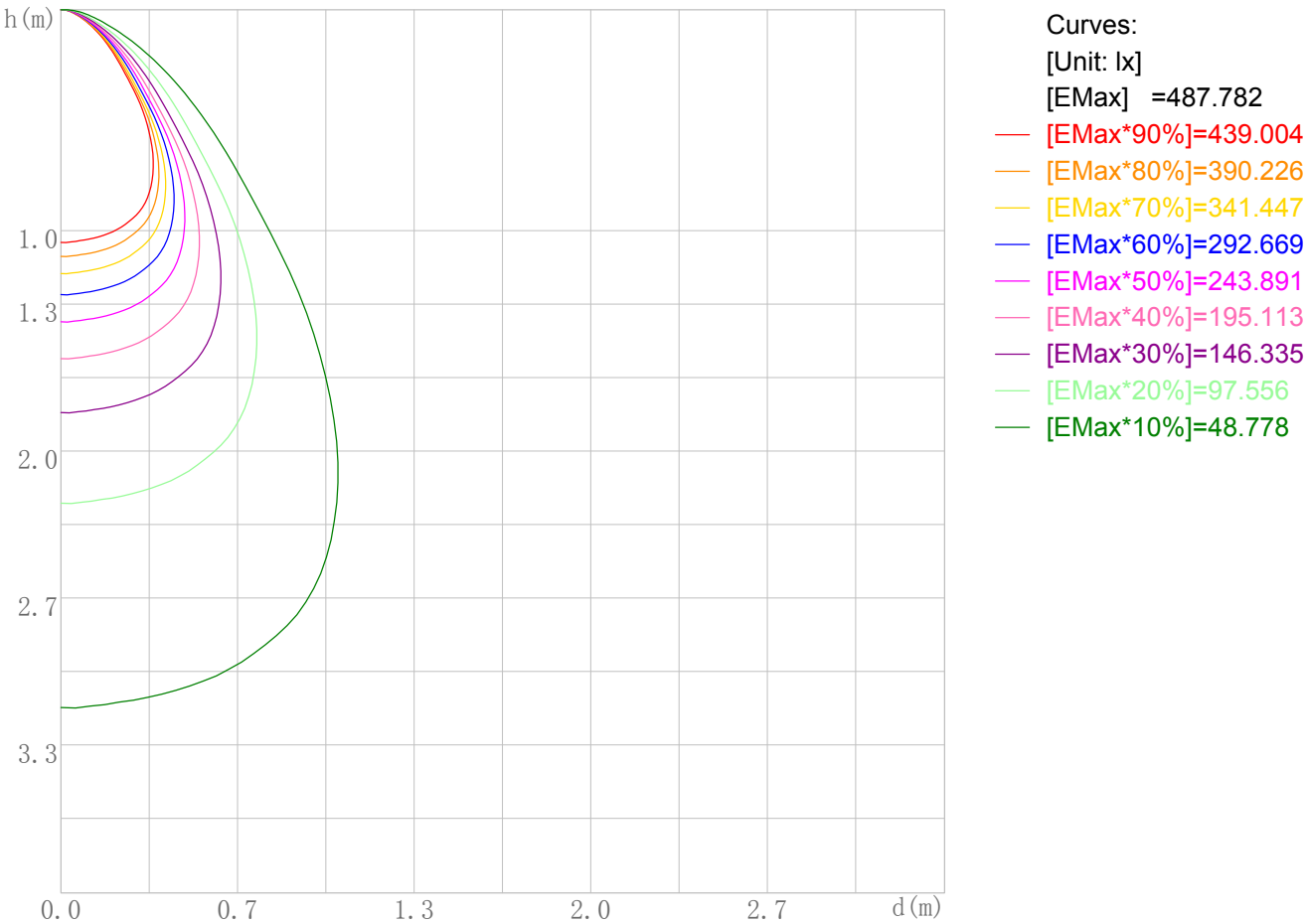
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



Space ISO Illuminance Diagram

Lum. Name:MD10-06-XX-01 2700K RA90 60D	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:2019/12/10

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:487.78lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:488.005cd,0deg

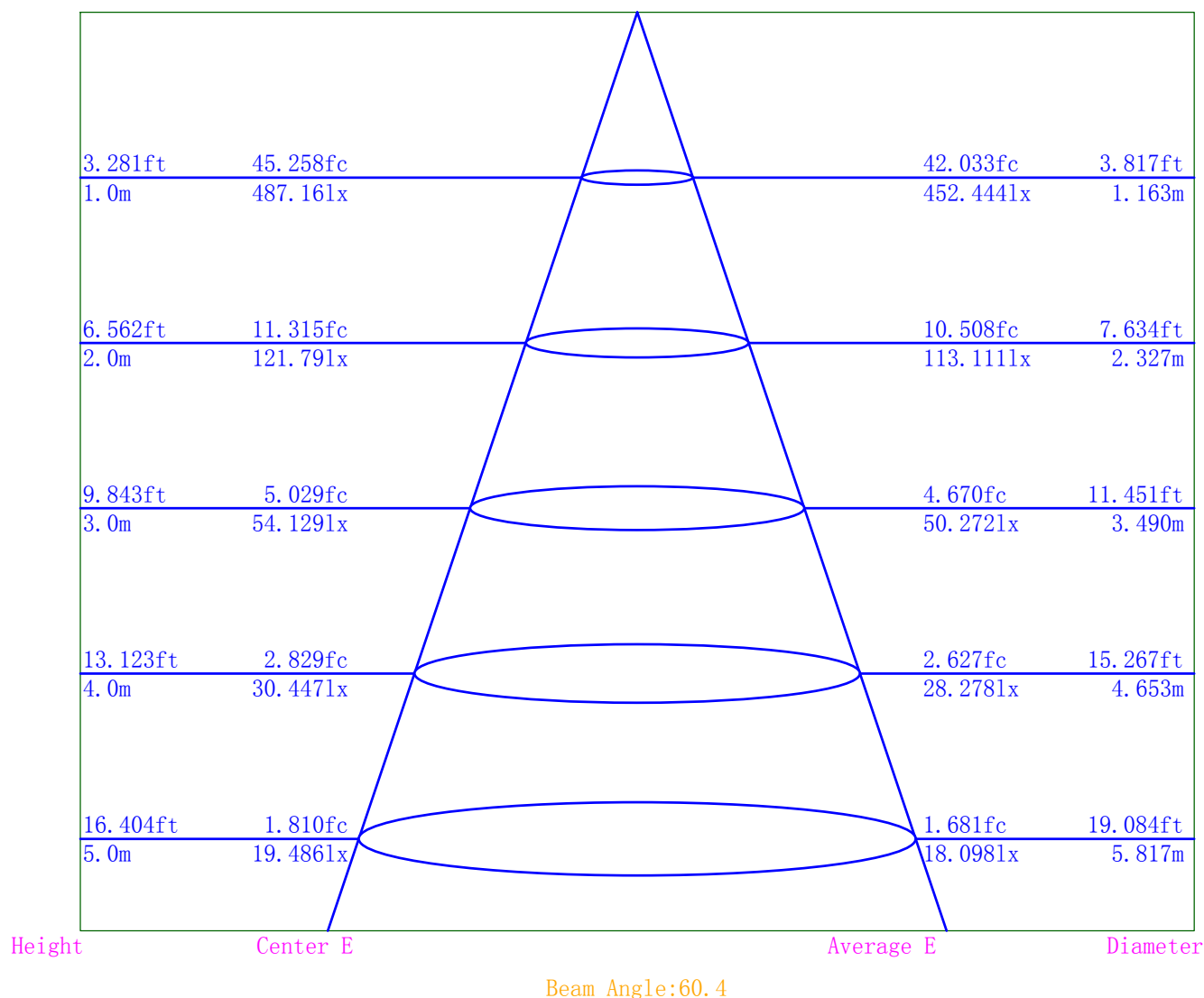
# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

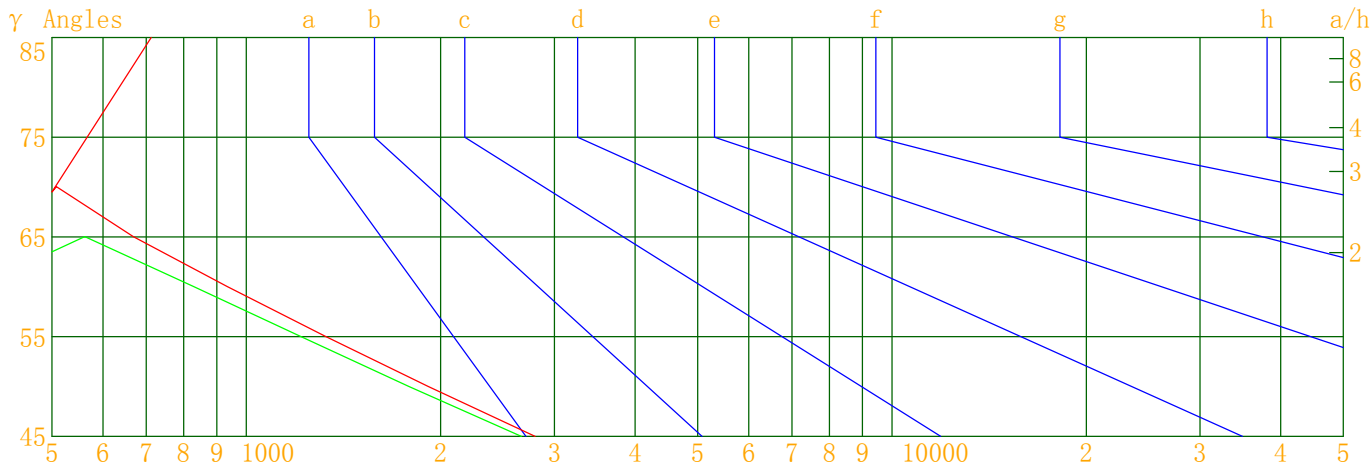
Glare Grade Table

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	2801	1912	1327	934	668	508	438	483	712
C90	2666	1784	1214	829	562	383	293	301	391

Luminance Limiting Curve



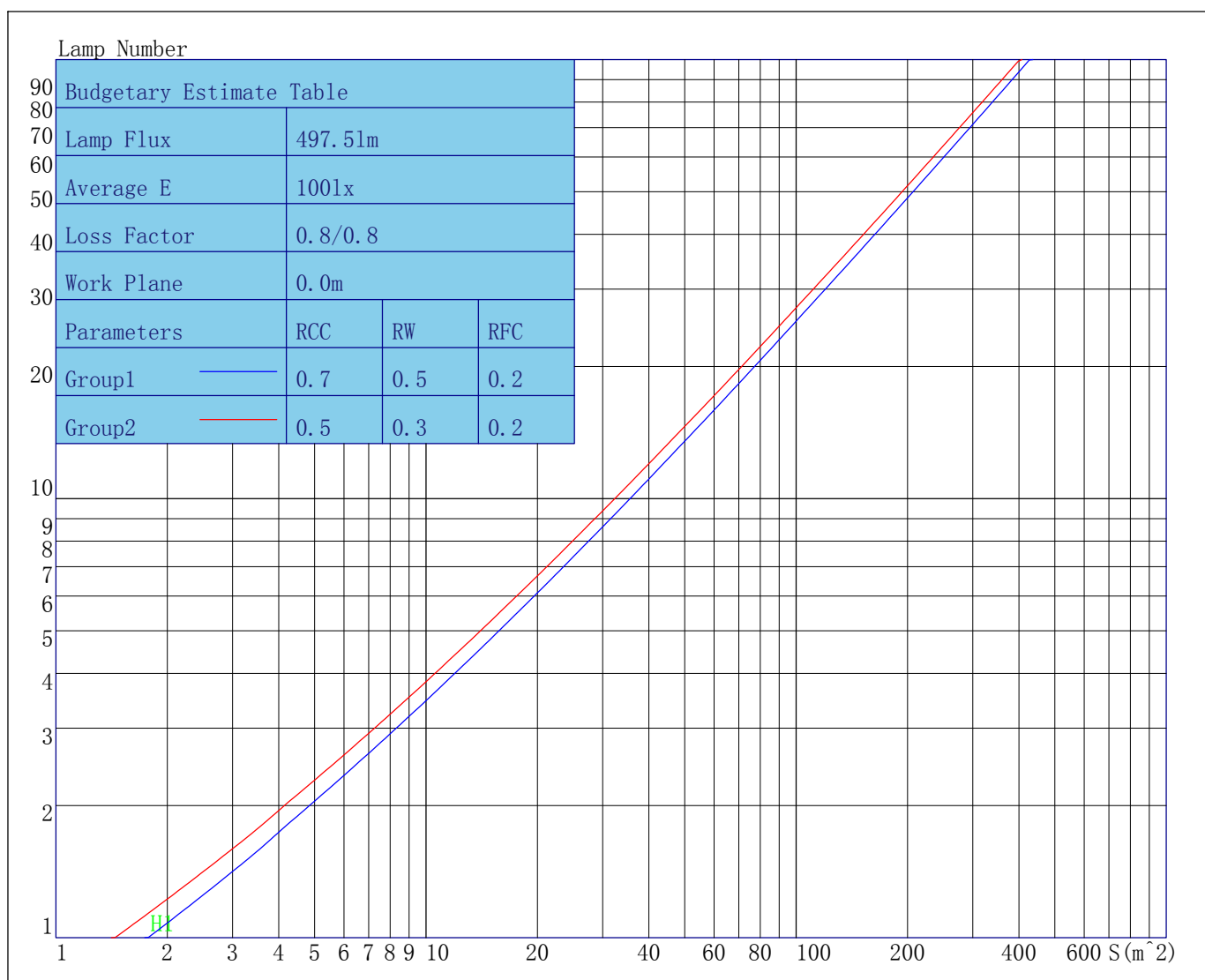
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.450 Area(m^2)=0.025000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: C90-C270 Color:

# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10



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: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

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	123	123	123	123	120	120	120	120	115	115	115	110	110	110	105	105	105	103
1	117	114	111	108	114	111	109	107	107	105	103	103	101	100	99	98	97	95
2	111	105	101	97	108	103	99	96	100	96	93	96	94	91	93	91	89	87
3	104	97	92	87	102	96	91	87	93	89	85	90	87	83	88	85	82	80
4	99	90	84	79	97	89	83	79	87	82	78	84	80	77	82	79	76	74
5	93	84	78	73	92	83	77	72	81	76	72	79	75	71	77	73	70	69
6	88	79	72	67	87	78	71	67	76	70	66	74	70	66	73	69	65	64
7	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
8	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55
9	75	65	59	54	74	64	58	54	63	58	54	62	57	54	61	57	53	52
10	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49

Unified Glare Rating Table

Lum. Name: MD10-06-XX-01 2700K RA90 60D	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: 2019/12/10

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	11.8	12.9	12.1	13.2	13.5	11.6	12.7	11.9	13.0	13.3
	11.8	12.7	12.2	13.1	13.5	11.5	12.5	11.9	12.8	13.2
	11.7	12.7	12.2	13.0	13.4	11.4	12.4	11.9	12.7	13.2
	11.7	12.6	12.1	13.0	13.4	11.4	12.2	11.8	12.6	13.0
	11.7	12.5	12.2	12.9	13.4	11.3	12.1	11.8	12.6	13.0
	11.7	12.5	12.2	12.9	13.4	11.3	12.1	11.8	12.5	13.0
X=4H    Y=2H	11.6	12.6	12.1	12.9	13.4	11.4	12.3	11.8	12.7	13.1
	11.7	12.4	12.1	12.9	13.3	11.4	12.2	11.8	12.6	13.0
	11.7	12.4	12.1	12.8	13.3	11.3	12.0	11.8	12.5	13.0
	11.7	12.3	12.2	12.8	13.3	11.3	11.9	11.8	12.4	12.9
	11.7	12.3	12.2	12.8	13.3	11.3	11.9	11.8	12.3	12.8
	11.8	12.3	12.3	12.8	13.3	11.3	11.8	11.8	12.3	12.8
X=8H    Y=4H	11.6	12.1	12.1	12.6	13.1	11.2	11.8	11.7	12.3	12.8
	11.6	12.1	12.2	12.6	13.2	11.2	11.7	11.7	12.2	12.8
	11.7	12.1	12.2	12.7	13.2	11.2	11.6	11.7	12.2	12.7
	11.8	12.2	12.4	12.7	13.3	11.2	11.6	11.7	12.1	12.7
X=12H    Y=4H	11.5	12.0	12.0	12.5	13.0	11.2	11.7	11.7	12.2	12.7
	11.6	12.0	12.2	12.5	13.1	11.2	11.6	11.7	12.1	12.7
	11.7	12.1	12.2	12.6	13.2	11.2	11.6	11.7	12.1	12.7
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.3/-0.3				
S=1.5H	0.5/-0.5					0.7/-0.7				
S=2.0H	1.2/-0.9					1.8/-1.4				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.6					0.4				

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	487.16	487.16	487.16	487.16
γ 1.0	488.01	485.05	488.16	487.16
γ 2.0	486.09	484.39	487.77	486.61
γ 3.0	485.07	482.49	486.76	486.13
γ 4.0	483.23	481.61	484.79	484.59
γ 5.0	482.57	479.84	482.08	482.77
γ 6.0	480.98	478.79	480.26	481.20
γ 7.0	479.28	477.35	478.92	478.44
γ 8.0	477.26	475.86	476.60	476.42
γ 9.0	474.95	473.75	474.52	473.79
γ 10.0	472.16	471.25	472.40	471.40
γ 11.0	469.34	468.29	469.93	468.62
γ 12.0	464.70	463.97	466.46	466.29
γ 13.0	460.26	459.30	463.07	462.19
γ 14.0	454.04	454.60	459.68	458.61
γ 15.0	447.82	449.02	455.67	453.94
γ 16.0	441.20	442.81	450.11	448.57
γ 17.0	433.94	435.06	444.19	441.21
γ 18.0	425.76	427.39	437.14	433.71
γ 19.0	415.26	417.65	429.36	424.91
γ 20.0	403.79	406.80	419.93	415.72
γ 21.0	390.84	394.30	409.22	404.78
γ 22.0	375.95	380.48	396.96	392.97
γ 23.0	360.43	364.56	383.98	378.67
γ 24.0	343.32	348.12	369.43	364.24
γ 25.0	326.18	330.05	352.96	347.85
γ 26.0	308.31	311.67	336.74	330.58
γ 27.0	289.92	292.08	318.92	312.68
γ 28.0	271.00	272.37	300.38	294.48
γ 29.0	251.72	252.45	281.47	276.17
γ 30.0	232.54	233.00	262.36	258.39
γ 31.0	213.68	213.96	243.59	239.63
γ 32.0	195.58	195.70	224.76	221.26
γ 33.0	178.35	177.71	205.57	202.46
γ 34.0	161.52	160.23	186.70	184.40
γ 35.0	145.29	143.34	168.47	166.97
γ 36.0	129.74	127.80	151.13	150.19
γ 37.0	115.02	113.11	134.33	133.49
γ 38.0	102.21	99.90	118.30	117.83
γ 39.0	90.90	88.50	103.60	103.46
γ 40.0	81.31	78.88	90.92	91.24
γ 41.0	73.20	70.79	80.53	81.19
γ 42.0	66.18	63.85	71.81	72.99
γ 43.0	60.01	57.59	64.32	65.85
γ 44.0	54.51	52.12	57.54	59.41
γ 45.0	49.52	47.13	51.59	53.67
γ 46.0	45.01	42.77	46.32	48.51

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	40.85	38.68	41.63	43.84
γ 48.0	37.15	35.05	37.54	39.63
γ 49.0	33.81	31.67	33.92	35.90
γ 50.0	30.73	28.67	30.64	32.55
γ 51.0	28.03	25.92	27.68	29.51
γ 52.0	25.45	23.52	25.03	26.76
γ 53.0	23.14	21.32	22.62	24.32
γ 54.0	20.97	19.32	20.44	22.16
γ 55.0	19.03	17.41	18.54	20.19
γ 56.0	17.30	15.75	16.77	18.41
γ 57.0	15.68	14.21	15.16	16.78
γ 58.0	14.22	12.75	13.69	15.34
γ 59.0	12.87	11.47	12.34	13.98
γ 60.0	11.68	10.36	11.14	12.74
γ 61.0	10.61	9.33	10.09	11.55
γ 62.0	9.54	8.36	9.07	10.52
γ 63.0	8.65	7.42	8.16	9.57
γ 64.0	7.76	6.55	7.29	8.73
γ 65.0	7.06	5.94	6.53	7.89
γ 66.0	6.37	5.12	5.86	7.12
γ 67.0	5.77	4.35	5.26	6.47
γ 68.0	5.11	3.96	4.75	5.93
γ 69.0	4.71	3.61	4.01	5.24
γ 70.0	4.34	3.28	3.67	4.72
γ 71.0	4.02	2.96	3.37	4.37
γ 72.0	3.70	2.63	3.09	4.07
γ 73.0	3.37	2.31	2.82	3.77
γ 74.0	3.07	2.08	2.53	3.47
γ 75.0	2.83	1.89	2.27	3.17
γ 76.0	2.66	1.75	2.06	2.90
γ 77.0	2.49	1.64	1.90	2.71
γ 78.0	2.35	1.52	1.77	2.55
γ 79.0	2.22	1.41	1.67	2.40
γ 80.0	2.10	1.31	1.56	2.29
γ 81.0	1.99	1.20	1.46	2.16
γ 82.0	1.87	1.11	1.36	2.05
γ 83.0	1.76	1.02	1.26	1.94
γ 84.0	1.66	0.94	1.18	1.84
γ 85.0	1.55	0.85	1.09	1.74
γ 86.0	1.44	0.75	1.02	1.65
γ 87.0	1.32	0.66	0.94	1.55
γ 88.0	1.22	0.60	0.83	1.44
γ 89.0	1.16	0.55	0.75	1.34
γ 90.0	1.09	0.50	0.69	1.25
γ 91.0	1.04	0.46	0.65	1.18
γ 92.0	0.99	0.41	0.61	1.12
γ 93.0	0.94	0.37	0.56	1.07



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.88	0.33	0.52	1.02
γ 95.0	0.83	0.30	0.49	0.98
γ 96.0	0.79	0.27	0.45	0.93
γ 97.0	0.75	0.23	0.43	0.88
γ 98.0	0.71	0.21	0.40	0.84
γ 99.0	0.68	0.18	0.37	0.80
γ 100.0	0.64	0.16	0.34	0.77
γ 101.0	0.61	0.15	0.32	0.73
γ 102.0	0.57	0.13	0.30	0.70
γ 103.0	0.55	0.10	0.27	0.66
γ 104.0	0.53	0.10	0.27	0.65
γ 105.0	0.50	0.08	0.25	0.62
γ 106.0	0.48	0.07	0.23	0.59
γ 107.0	0.47	0.06	0.23	0.59
γ 108.0	0.46	0.07	0.22	0.56
γ 109.0	0.44	0.05	0.22	0.55
γ 110.0	0.43	0.05	0.22	0.54
γ 111.0	0.43	0.05	0.21	0.54
γ 112.0	0.42	0.07	0.22	0.53
γ 113.0	0.43	0.08	0.22	0.53
γ 114.0	0.43	0.09	0.24	0.52
γ 115.0	0.44	0.10	0.25	0.53
γ 116.0	0.45	0.11	0.26	0.54
γ 117.0	0.47	0.14	0.28	0.54
γ 118.0	0.48	0.17	0.30	0.57
γ 119.0	0.50	0.19	0.32	0.58
γ 120.0	0.52	0.21	0.35	0.59
γ 121.0	0.54	0.25	0.38	0.61
γ 122.0	0.57	0.27	0.41	0.64
γ 123.0	0.60	0.31	0.44	0.67
γ 124.0	0.63	0.35	0.47	0.70
γ 125.0	0.67	0.39	0.51	0.73
γ 126.0	0.70	0.43	0.56	0.76
γ 127.0	0.74	0.47	0.59	0.80
γ 128.0	0.77	0.51	0.64	0.82
γ 129.0	0.82	0.55	0.68	0.87
γ 130.0	0.86	0.61	0.73	0.92
γ 131.0	0.90	0.65	0.77	0.96
γ 132.0	0.95	0.70	0.83	1.00
γ 133.0	1.00	0.76	0.88	1.03
γ 134.0	1.04	0.80	0.93	1.08
γ 135.0	1.09	0.86	0.98	1.13
γ 136.0	1.14	0.91	1.03	1.18
γ 137.0	1.19	0.96	1.09	1.22
γ 138.0	1.23	1.01	1.13	1.26
γ 139.0	1.29	1.07	1.18	1.32
γ 140.0	1.34	1.13	1.24	1.37

# IES Indoor Report

Photometric Filename:MD10-06-XX-01 2700K RA90 60D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.39	1.17	1.29	1.41
γ 142.0	1.44	1.23	1.36	1.47
γ 143.0	1.49	1.28	1.41	1.52
γ 144.0	1.54	1.34	1.47	1.56
γ 145.0	1.59	1.39	1.52	1.62
γ 146.0	1.65	1.45	1.58	1.66
γ 147.0	1.70	1.50	1.63	1.72
γ 148.0	1.74	1.55	1.68	1.75
γ 149.0	1.79	1.61	1.73	1.81
γ 150.0	1.84	1.65	1.79	1.85
γ 151.0	1.89	1.71	1.83	1.89
γ 152.0	1.93	1.75	1.89	1.94
γ 153.0	1.98	1.80	1.93	1.98
γ 154.0	2.02	1.84	1.99	2.02
γ 155.0	2.07	1.89	2.03	2.06
γ 156.0	2.10	1.94	2.07	2.10
γ 157.0	2.15	1.98	2.11	2.13
γ 158.0	2.19	2.03	2.15	2.18
γ 159.0	2.22	2.07	2.20	2.21
γ 160.0	2.27	2.11	2.24	2.26
γ 161.0	2.31	2.16	2.28	2.28
γ 162.0	2.35	2.20	2.32	2.32
γ 163.0	2.38	2.24	2.36	2.36
γ 164.0	2.43	2.28	2.40	2.39
γ 165.0	2.47	2.32	2.44	2.43
γ 166.0	2.50	2.36	2.47	2.46
γ 167.0	2.54	2.39	2.51	2.51
γ 168.0	2.57	2.43	2.54	2.54
γ 169.0	2.61	2.47	2.58	2.57
γ 170.0	2.64	2.51	2.61	2.60
γ 171.0	2.67	2.53	2.64	2.63
γ 172.0	2.70	2.56	2.67	2.65
γ 173.0	2.72	2.59	2.70	2.67
γ 174.0	2.74	2.61	2.72	2.69
γ 175.0	2.77	2.62	2.75	2.71
γ 176.0	2.79	2.65	2.76	2.74
γ 177.0	2.80	2.67	2.78	2.75
γ 178.0	2.81	2.68	2.80	2.76
γ 179.0	2.80	2.68	2.80	2.77
γ 180.0	2.78	2.78	2.78	2.78