

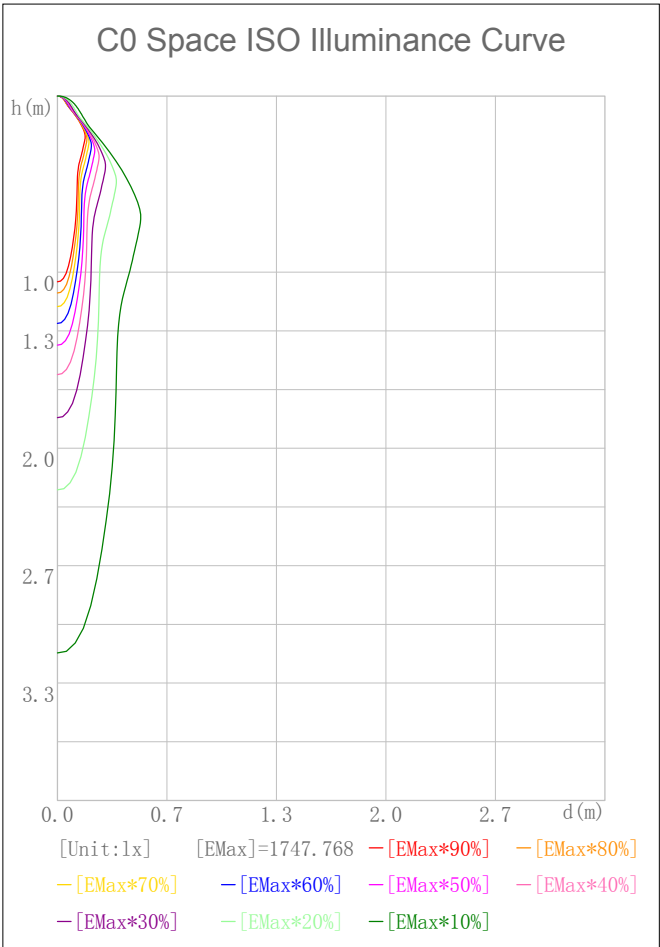
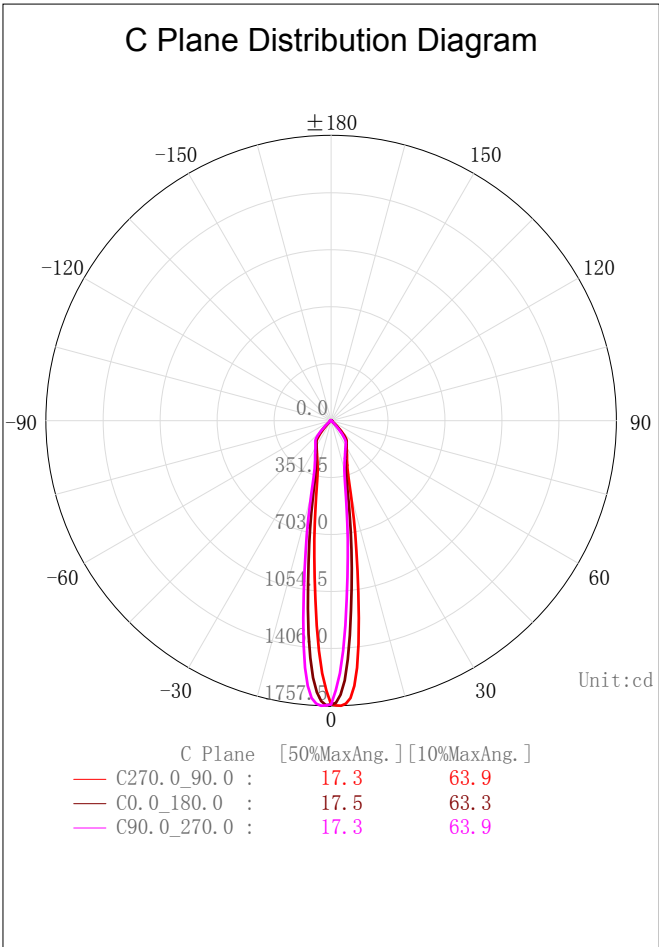
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-06-XX-02 2700K RA90 15D	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

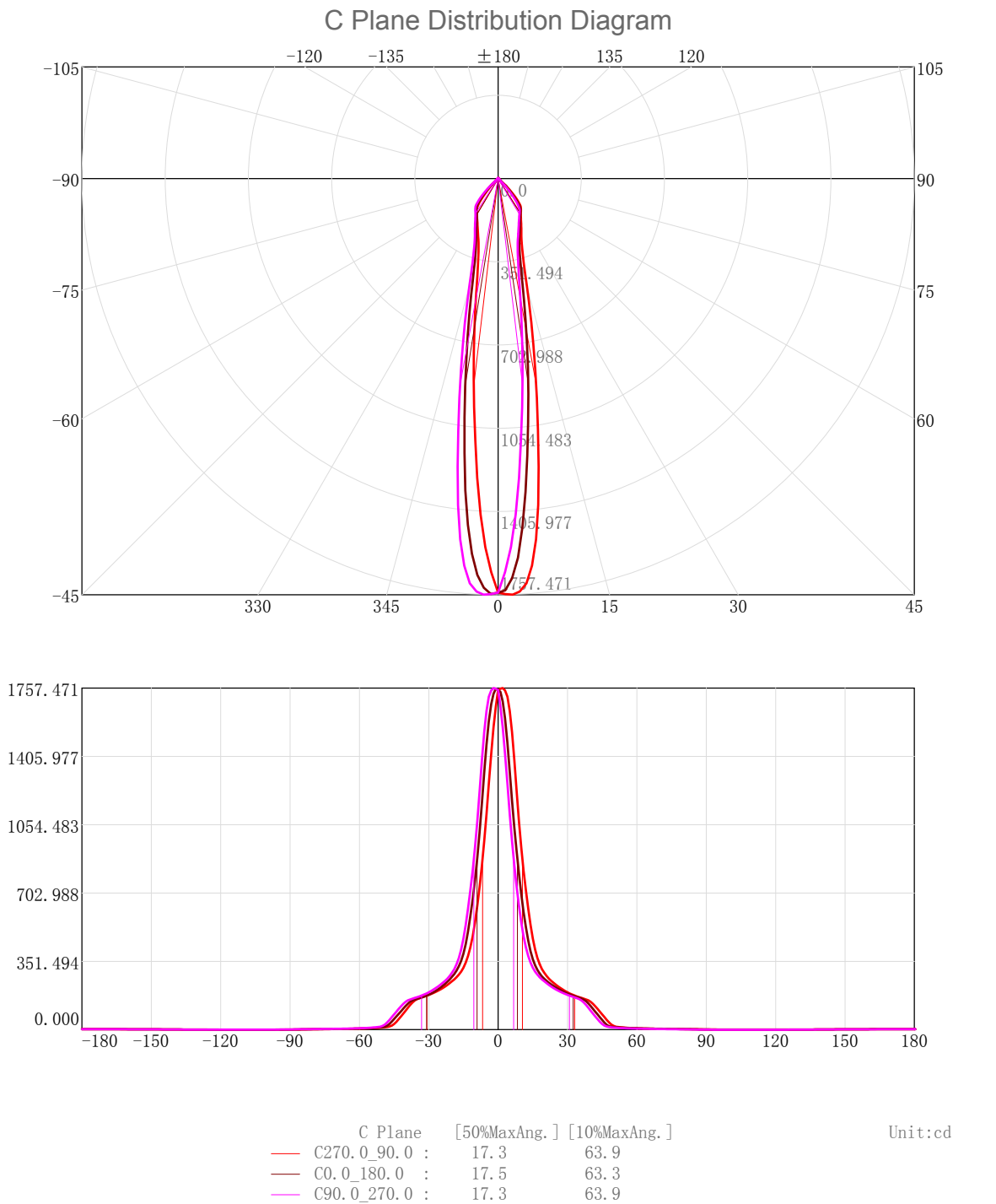
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 493.350	Luminary Flux(lm): 493.348	Field Angle(10%Imax): 63.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 487.656lm 98.85%
Rated Voltage(V):	Luminary EER(lm/W): 89.504	Up Lumens&Percent: 5.691lm 1.15%
Tested Power(W): 5.512	Max. Candela(cd): 1757.471	S/MH: C0_a180=0.299 C90_270=0.296
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.3, 0.026, 0.867	Beam Angle(50%Imax): 17.3(°)	ErP Φ use(90°): 447.306lm
Lamp Size(W*L*H):0.050m*0.050m*0.450m	Left=-6.7°, Right=10.5°	IRF(%): 789.891



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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



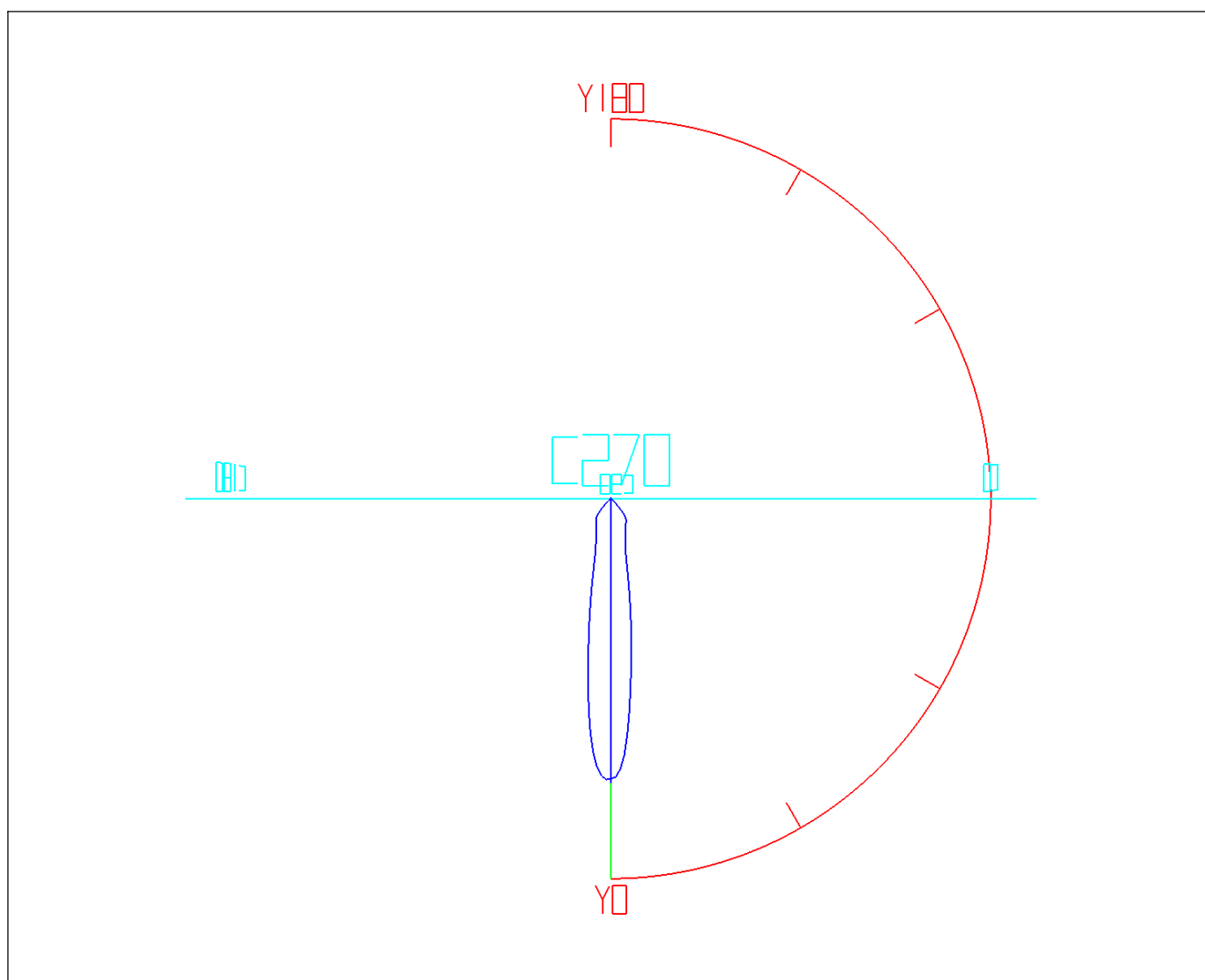
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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	1.66	1.66	0.34	0.34	47.0-48.0	2.14	465.38	0.43	94.33
1.0-2.0	4.89	6.56	0.99	1.33	48.0-49.0	1.64	467.02	0.33	94.66
2.0-3.0	7.88	14.43	1.60	2.93	49.0-50.0	1.32	468.34	0.27	94.93
3.0-4.0	10.45	24.88	2.12	5.04	50.0-51.0	1.14	469.48	0.23	95.16
4.0-5.0	12.46	37.34	2.53	7.57	51.0-52.0	1.02	470.50	0.21	95.37
5.0-6.0	13.85	51.19	2.81	10.38	52.0-53.0	0.95	471.45	0.19	95.56
6.0-7.0	14.65	65.84	2.97	13.35	53.0-54.0	0.88	472.33	0.18	95.74
7.0-8.0	14.93	80.77	3.03	16.37	54.0-55.0	0.83	473.16	0.17	95.91
8.0-9.0	14.81	95.58	3.00	19.37	55.0-56.0	0.79	473.95	0.16	96.07
9.0-10.0	14.42	109.99	2.92	22.30	56.0-57.0	0.75	474.69	0.15	96.22
10.0-11.0	13.86	123.86	2.81	25.11	57.0-58.0	0.71	475.40	0.14	96.36
11.0-12.0	13.20	137.06	2.68	27.78	58.0-59.0	0.68	476.08	0.14	96.50
12.0-13.0	12.51	149.56	2.54	30.32	59.0-60.0	0.65	476.73	0.13	96.63
13.0-14.0	11.83	161.39	2.40	32.71	60.0-61.0	0.62	477.35	0.13	96.76
14.0-15.0	11.23	172.62	2.28	34.99	61.0-62.0	0.60	477.95	0.12	96.88
15.0-16.0	10.77	183.39	2.18	37.17	62.0-63.0	0.58	478.53	0.12	97.00
16.0-17.0	10.45	193.84	2.12	39.29	63.0-64.0	0.55	479.08	0.11	97.11
17.0-18.0	10.25	204.08	2.08	41.37	64.0-65.0	0.53	479.62	0.11	97.22
18.0-19.0	10.13	214.22	2.05	43.42	65.0-66.0	0.51	480.13	0.10	97.32
19.0-20.0	10.08	224.30	2.04	45.46	66.0-67.0	0.49	480.62	0.10	97.42
20.0-21.0	10.06	234.36	2.04	47.50	67.0-68.0	0.48	481.10	0.10	97.52
21.0-22.0	10.06	244.42	2.04	49.54	68.0-69.0	0.46	481.56	0.09	97.61
22.0-23.0	10.08	254.50	2.04	51.59	69.0-70.0	0.44	482.00	0.09	97.70
23.0-24.0	10.10	264.60	2.05	53.63	70.0-71.0	0.43	482.43	0.09	97.79
24.0-25.0	10.11	274.70	2.05	55.68	71.0-72.0	0.41	482.84	0.08	97.87
25.0-26.0	10.11	284.82	2.05	57.73	72.0-73.0	0.40	483.24	0.08	97.95
26.0-27.0	10.11	294.92	2.05	59.78	73.0-74.0	0.38	483.62	0.08	98.03
27.0-28.0	10.10	305.03	2.05	61.83	74.0-75.0	0.37	483.99	0.08	98.10
28.0-29.0	10.10	315.13	2.05	63.88	75.0-76.0	0.36	484.35	0.07	98.18
29.0-30.0	10.11	325.25	2.05	65.93	76.0-77.0	0.34	484.69	0.07	98.24
30.0-31.0	10.13	335.38	2.05	67.98	77.0-78.0	0.33	485.02	0.07	98.31
31.0-32.0	10.15	345.53	2.06	70.04	78.0-79.0	0.31	485.33	0.06	98.37
32.0-33.0	10.18	355.71	2.06	72.10	79.0-80.0	0.30	485.63	0.06	98.43
33.0-34.0	10.20	365.91	2.07	74.17	80.0-81.0	0.29	485.91	0.06	98.49
34.0-35.0	10.21	376.12	2.07	76.24	81.0-82.0	0.27	486.19	0.06	98.55
35.0-36.0	10.18	386.30	2.06	78.30	82.0-83.0	0.26	486.45	0.05	98.60
36.0-37.0	10.08	396.38	2.04	80.34	83.0-84.0	0.24	486.69	0.05	98.65
37.0-38.0	9.85	406.23	2.00	82.34	84.0-85.0	0.22	486.91	0.05	98.70
38.0-39.0	9.46	415.69	1.92	84.26	85.0-86.0	0.20	487.11	0.04	98.74
39.0-40.0	8.89	424.57	1.80	86.06	86.0-87.0	0.17	487.28	0.03	98.77
40.0-41.0	8.19	432.76	1.66	87.72	87.0-88.0	0.14	487.43	0.03	98.80
41.0-42.0	7.38	440.14	1.50	89.21	88.0-89.0	0.12	487.55	0.02	98.82
42.0-43.0	6.48	446.62	1.31	90.53	89.0-90.0	0.11	487.66	0.02	98.85
43.0-44.0	5.53	452.15	1.12	91.65	90.0-91.0	0.10	487.75	0.02	98.87
44.0-45.0	4.58	456.74	0.93	92.58	91.0-92.0	0.09	487.84	0.02	98.88
45.0-46.0	3.67	460.40	0.74	93.32	92.0-93.0	0.08	487.92	0.02	98.90
46.0-47.0	2.83	463.24	0.57	93.90	93.0-94.0	0.08	488.00	0.02	98.92

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	488.08	0.01	98.93	141.0-142.0	0.10	490.52	0.02	99.43
95.0-96.0	0.07	488.14	0.01	98.94	142.0-143.0	0.10	490.62	0.02	99.45
96.0-97.0	0.06	488.21	0.01	98.96	143.0-144.0	0.10	490.72	0.02	99.47
97.0-98.0	0.06	488.27	0.01	98.97	144.0-145.0	0.10	490.82	0.02	99.49
98.0-99.0	0.06	488.32	0.01	98.98	145.0-146.0	0.11	490.93	0.02	99.51
99.0-100.0	0.05	488.37	0.01	98.99	146.0-147.0	0.11	491.04	0.02	99.53
100.0-101.0	0.05	488.42	0.01	99.00	147.0-148.0	0.11	491.14	0.02	99.55
101.0-102.0	0.05	488.47	0.01	99.01	148.0-149.0	0.11	491.25	0.02	99.58
102.0-103.0	0.04	488.51	0.01	99.02	149.0-150.0	0.11	491.36	0.02	99.60
103.0-104.0	0.04	488.55	0.01	99.03	150.0-151.0	0.11	491.47	0.02	99.62
104.0-105.0	0.04	488.59	0.01	99.04	151.0-152.0	0.11	491.58	0.02	99.64
105.0-106.0	0.04	488.63	0.01	99.04	152.0-153.0	0.11	491.68	0.02	99.66
106.0-107.0	0.04	488.67	0.01	99.05	153.0-154.0	0.10	491.79	0.02	99.68
107.0-108.0	0.04	488.71	0.01	99.06	154.0-155.0	0.10	491.89	0.02	99.70
108.0-109.0	0.04	488.74	0.01	99.07	155.0-156.0	0.10	491.99	0.02	99.73
109.0-110.0	0.04	488.78	0.01	99.07	156.0-157.0	0.10	492.09	0.02	99.75
110.0-111.0	0.04	488.82	0.01	99.08	157.0-158.0	0.10	492.19	0.02	99.76
111.0-112.0	0.04	488.85	0.01	99.09	158.0-159.0	0.09	492.28	0.02	99.78
112.0-113.0	0.04	488.89	0.01	99.10	159.0-160.0	0.09	492.37	0.02	99.80
113.0-114.0	0.04	488.92	0.01	99.10	160.0-161.0	0.09	492.46	0.02	99.82
114.0-115.0	0.04	488.96	0.01	99.11	161.0-162.0	0.08	492.55	0.02	99.84
115.0-116.0	0.04	488.99	0.01	99.12	162.0-163.0	0.08	492.63	0.02	99.85
116.0-117.0	0.04	489.03	0.01	99.12	163.0-164.0	0.08	492.71	0.02	99.87
117.0-118.0	0.04	489.07	0.01	99.13	164.0-165.0	0.07	492.78	0.02	99.88
118.0-119.0	0.04	489.10	0.01	99.14	165.0-166.0	0.07	492.85	0.01	99.90
119.0-120.0	0.04	489.14	0.01	99.15	166.0-167.0	0.07	492.92	0.01	99.91
120.0-121.0	0.04	489.18	0.01	99.15	167.0-168.0	0.06	492.98	0.01	99.93
121.0-122.0	0.04	489.22	0.01	99.16	168.0-169.0	0.06	493.04	0.01	99.94
122.0-123.0	0.04	489.26	0.01	99.17	169.0-170.0	0.05	493.09	0.01	99.95
123.0-124.0	0.04	489.31	0.01	99.18	170.0-171.0	0.05	493.14	0.01	99.96
124.0-125.0	0.05	489.35	0.01	99.19	171.0-172.0	0.04	493.18	0.01	99.97
125.0-126.0	0.05	489.40	0.01	99.20	172.0-173.0	0.04	493.22	0.01	99.97
126.0-127.0	0.05	489.45	0.01	99.21	173.0-174.0	0.03	493.25	0.01	99.98
127.0-128.0	0.05	489.50	0.01	99.22	174.0-175.0	0.03	493.28	0.01	99.99
128.0-129.0	0.05	489.55	0.01	99.23	175.0-176.0	0.02	493.31	0.00	99.99
129.0-130.0	0.06	489.61	0.01	99.24	176.0-177.0	0.02	493.32	0.00	99.99
130.0-131.0	0.06	489.67	0.01	99.25	177.0-178.0	0.01	493.34	0.00	100.00
131.0-132.0	0.06	489.73	0.01	99.27	178.0-179.0	0.01	493.34	0.00	100.00
132.0-133.0	0.06	489.79	0.01	99.28	179.0-180.0	0.00	493.35	0.00	100.00
133.0-134.0	0.07	489.86	0.01	99.29					
134.0-135.0	0.07	489.93	0.01	99.31					
135.0-136.0	0.07	490.00	0.01	99.32					
136.0-137.0	0.08	490.08	0.02	99.34					
137.0-138.0	0.08	490.16	0.02	99.35					
138.0-139.0	0.08	490.25	0.02	99.37					
139.0-140.0	0.09	490.33	0.02	99.39					
140.0-141.0	0.09	490.43	0.02	99.41					

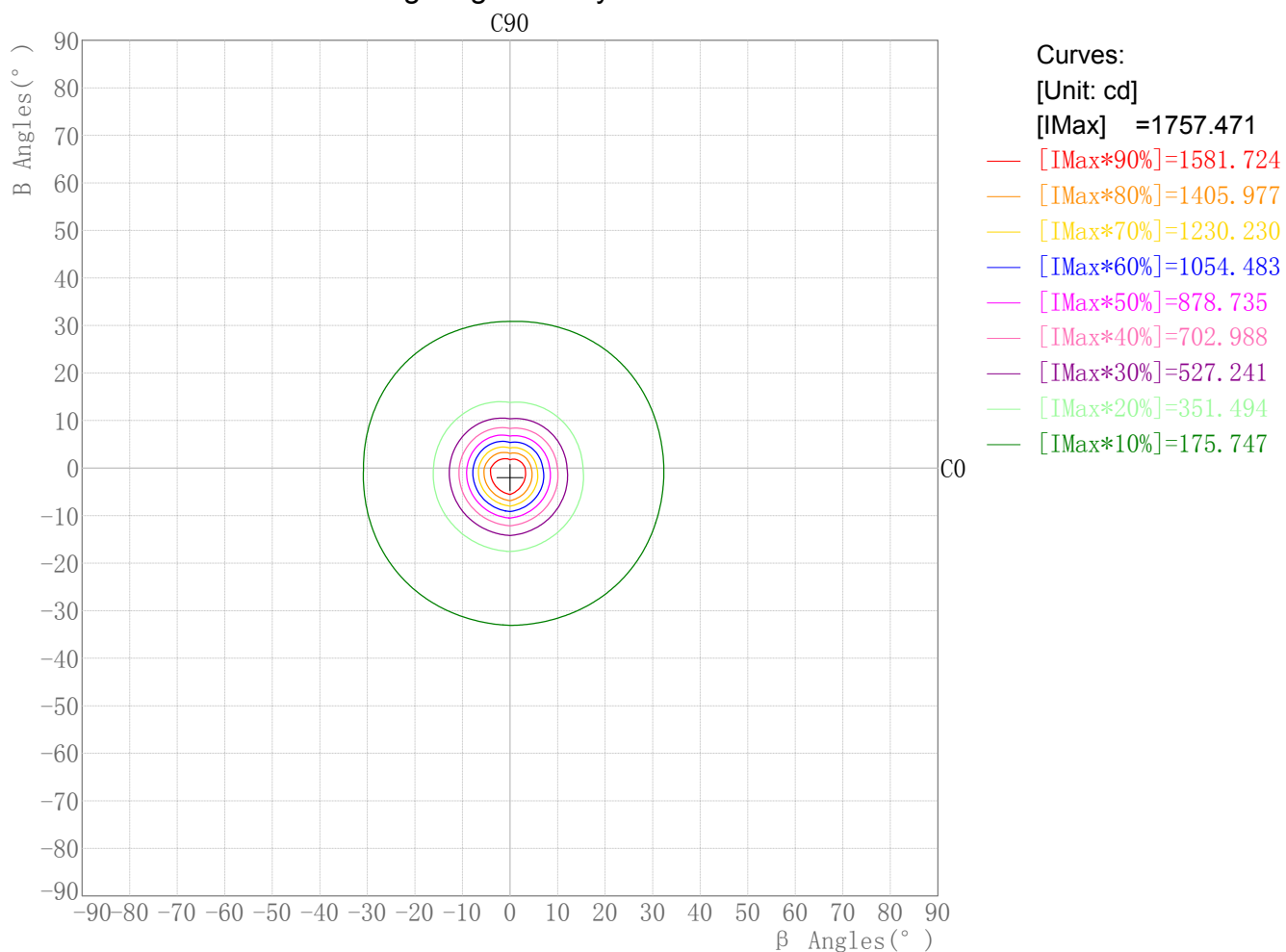
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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

### ISO Lighting Intensity Curve



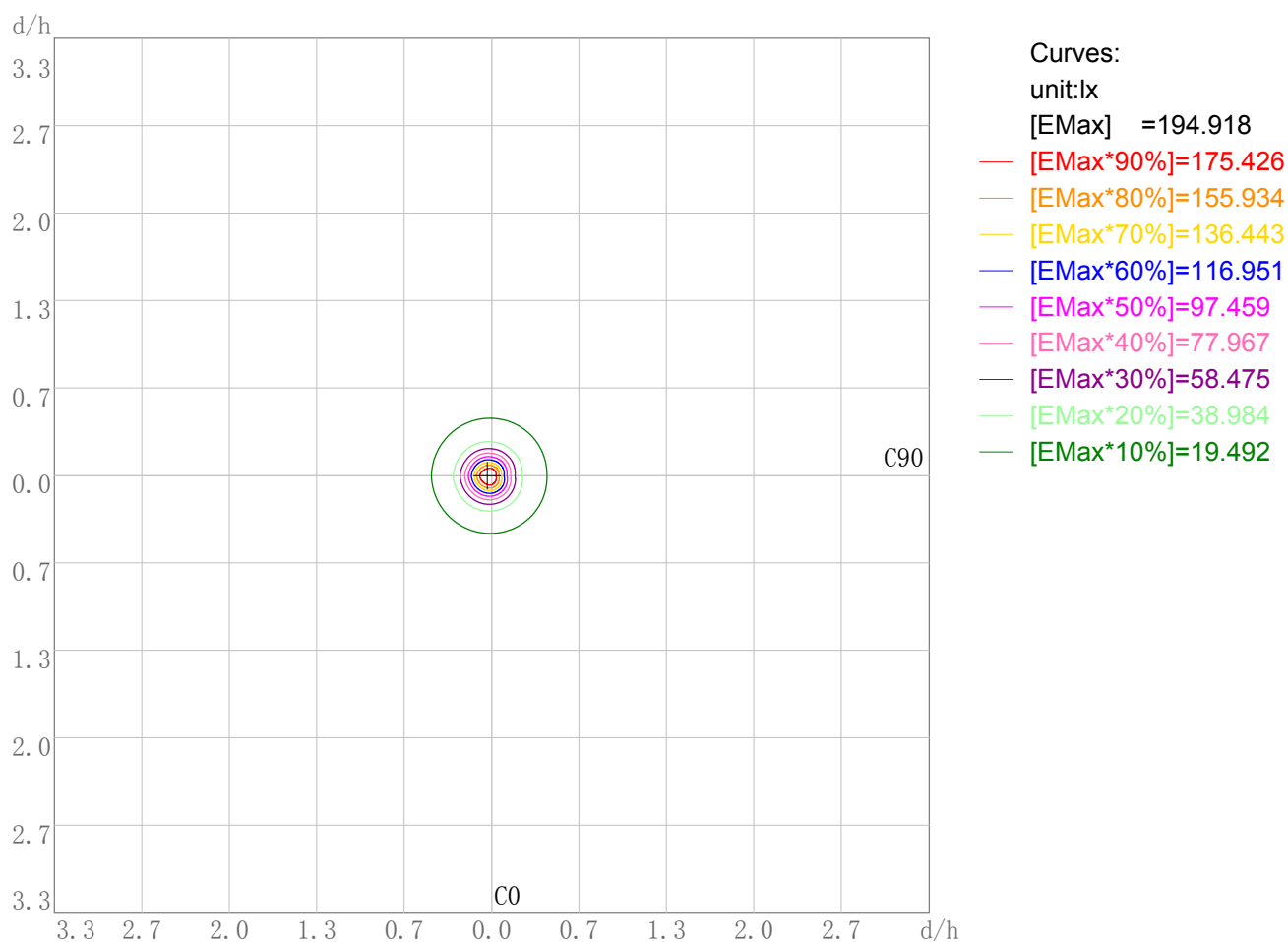
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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): 194.92

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

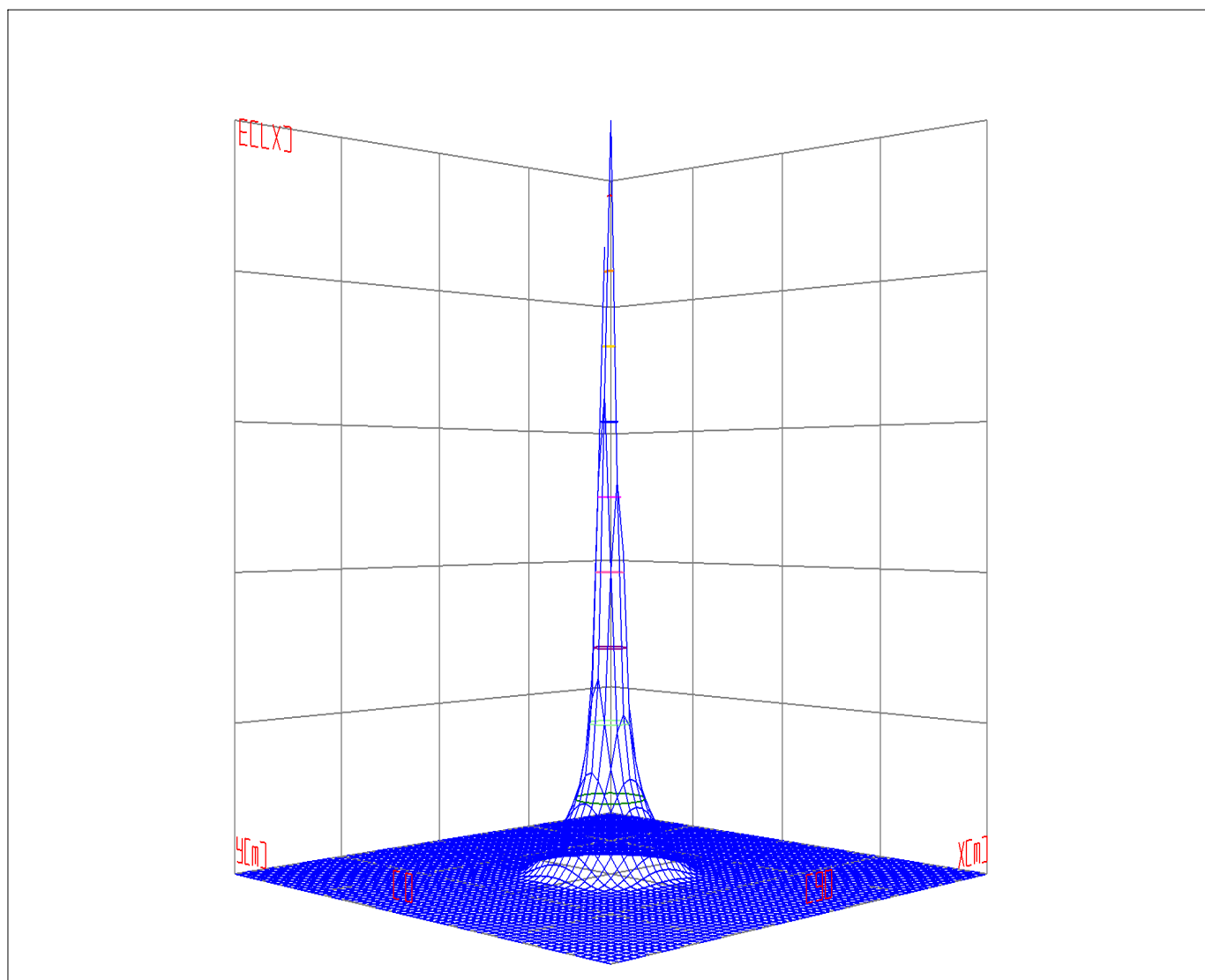
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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



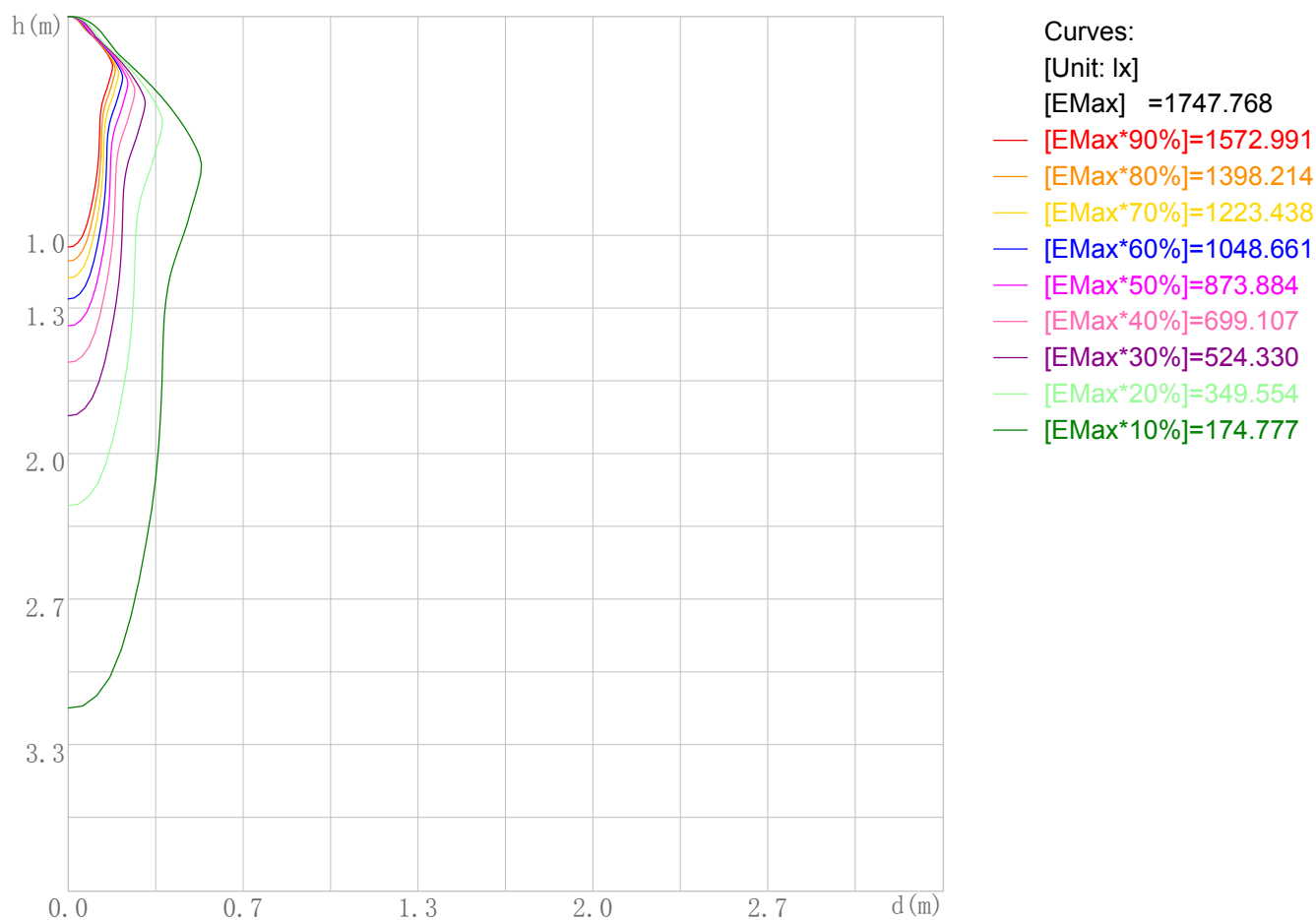
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1747.77lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:1747.768cd,0deg

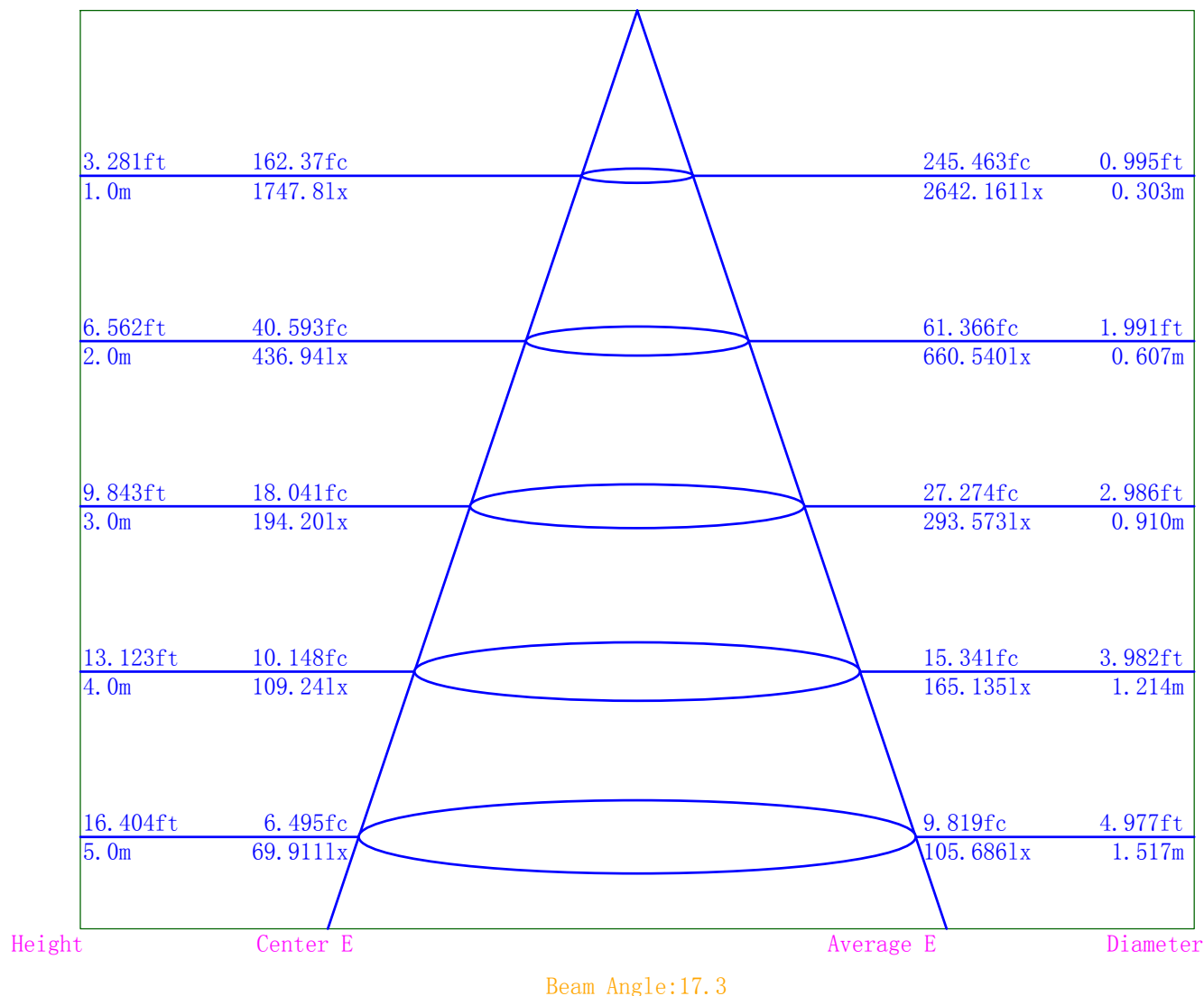
# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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



# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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

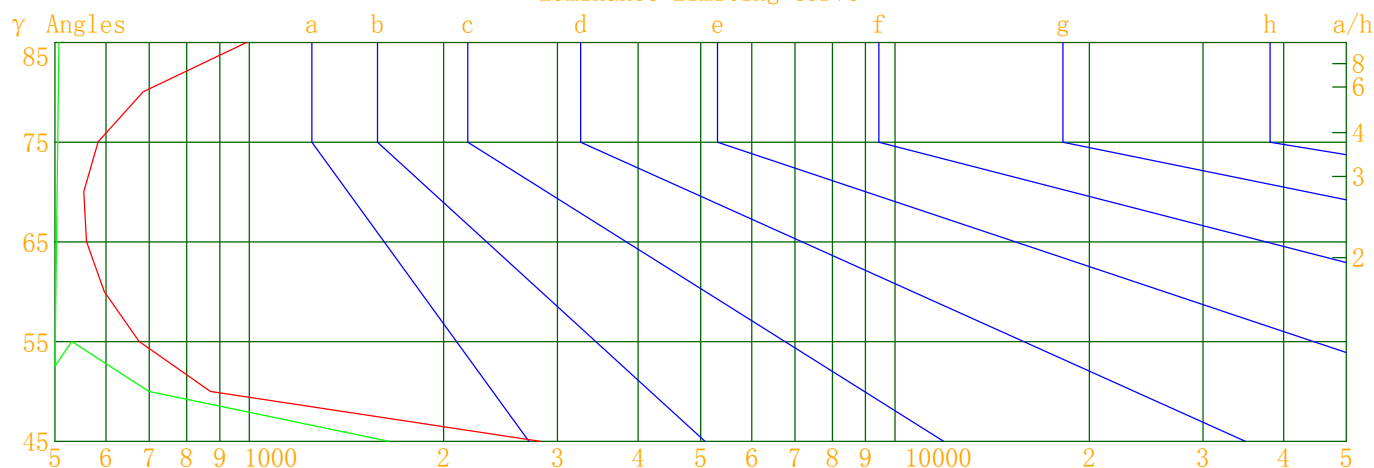
Glare Grade Table

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	2823	870	675	596	560	554	583	685	989
C90	1646	699	531	470	436	422	431	485	507

Luminance Limiting Curve



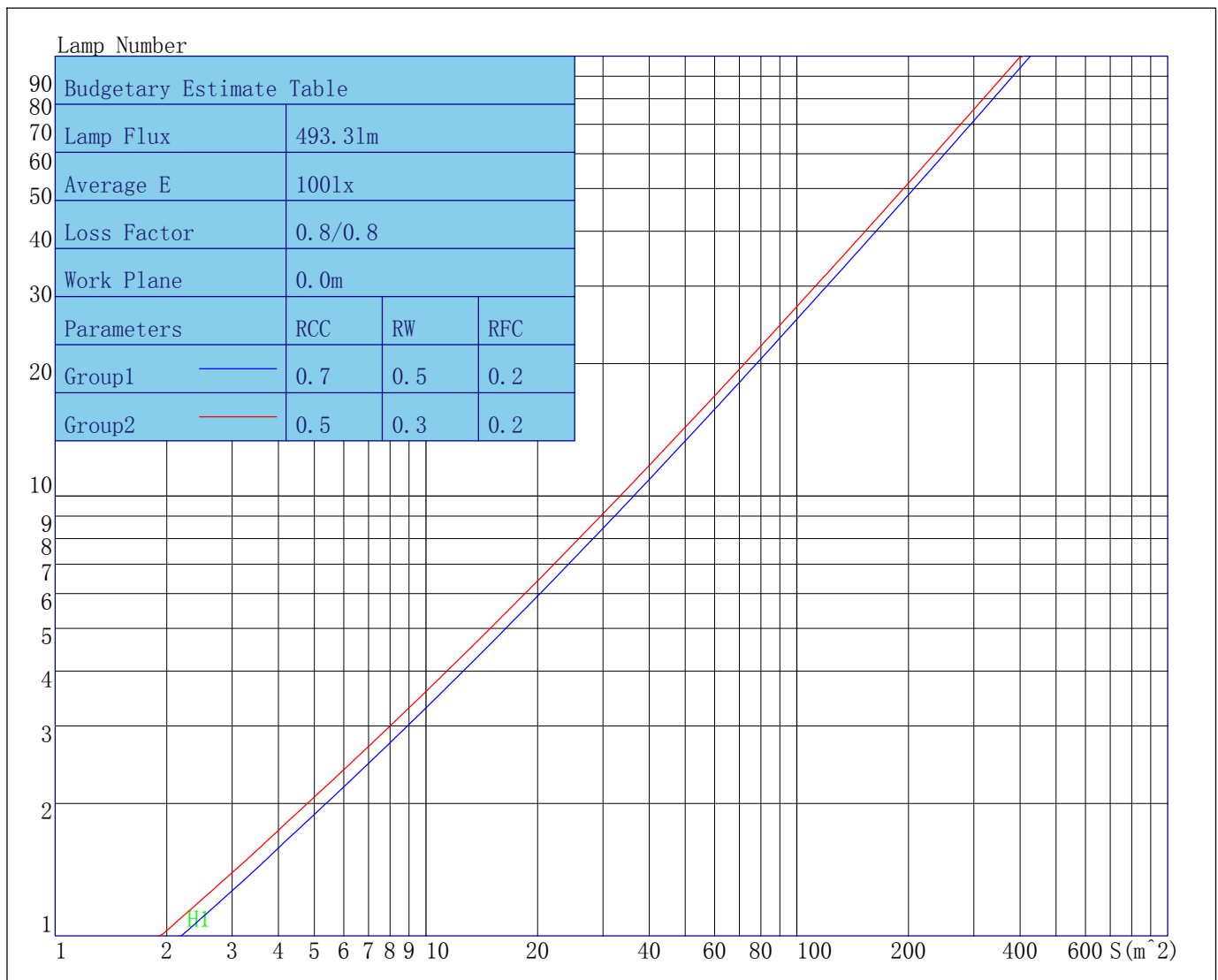
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.450 Area(m<sup>2</sup>)=0.025000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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-02 2700K RA90 15D	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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	113	110	108	105	111	108	106	104	104	102	100	100	98	97	96	95	94	92
2	108	103	99	95	105	101	97	94	97	94	92	94	92	90	91	89	88	86
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	90	84	80	95	89	84	80	86	82	79	84	81	78	82	79	77	75
5	93	85	79	75	91	83	78	74	82	77	73	80	76	73	78	75	72	70
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	74	71	68	66
7	84	75	70	66	83	75	69	65	73	69	65	72	68	65	71	67	64	63
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60
9	77	68	63	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

Unified Glare Rating Table

Lum. Name: MD10-06-XX-02 2700K RA90 15D	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: 2019/12/10

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	12.0	13.0	12.3	13.4	13.7	11.1	12.1	11.4	12.5	12.8
	11.9	12.9	12.3	13.2	13.6	11.0	12.0	11.4	12.3	12.7
	12.0	12.8	12.4	13.2	13.6	11.0	11.9	11.4	12.3	12.7
	12.0	12.8	12.5	13.2	13.7	11.0	11.8	11.5	12.2	12.6
	12.1	12.8	12.5	13.3	13.7	11.0	11.8	11.5	12.2	12.6
	12.1	12.9	12.6	13.3	13.7	11.0	11.8	11.5	12.2	12.6
X=4H    Y=2H	11.7	12.6	12.2	13.0	13.4	10.8	11.7	11.3	12.1	12.5
	11.8	12.5	12.2	13.0	13.4	10.9	11.6	11.3	12.0	12.5
	11.9	12.5	12.3	13.0	13.5	10.9	11.6	11.4	12.0	12.5
	12.0	12.6	12.5	13.1	13.6	11.0	11.6	11.5	12.0	12.5
	12.1	12.7	12.6	13.1	13.7	11.0	11.6	11.5	12.1	12.6
	12.3	12.8	12.8	13.3	13.8	11.1	11.6	11.6	12.1	12.6
X=8H    Y=4H	11.8	12.3	12.3	12.8	13.3	10.8	11.4	11.3	11.8	12.3
	12.1	12.5	12.6	13.0	13.6	11.0	11.4	11.5	12.0	12.5
	12.3	12.7	12.8	13.2	13.7	11.1	11.5	11.7	12.1	12.6
	12.5	12.9	13.1	13.4	14.0	11.3	11.6	11.8	12.1	12.7
X=12H    Y=4H	11.8	12.2	12.3	12.8	13.3	10.8	11.3	11.3	11.8	12.3
	12.1	12.5	12.6	12.9	13.5	11.0	11.4	11.6	11.9	12.5
	12.3	12.7	12.8	13.2	13.8	11.2	11.5	11.7	12.0	12.6
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.2					0.3/-0.3				
S=1.5H	0.3/-0.4					0.5/-0.5				
S=2.0H	0.4/-0.4					0.6/-0.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.9					0.7				

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	1747.77	1747.77	1747.77	1747.77
γ 1.0	1738.13	1661.88	1753.70	1754.31
γ 2.0	1688.53	1556.41	1728.29	1757.47
γ 3.0	1602.65	1420.21	1675.33	1745.77
γ 4.0	1474.84	1265.58	1587.51	1712.68
γ 5.0	1327.46	1108.32	1467.31	1640.09
γ 6.0	1177.31	970.18	1323.27	1531.02
γ 7.0	1040.00	845.57	1166.32	1387.98
γ 8.0	918.22	736.63	1018.99	1228.47
γ 9.0	804.95	638.78	887.33	1074.23
γ 10.0	699.99	554.05	772.63	940.77
γ 11.0	607.00	481.19	672.20	821.32
γ 12.0	526.31	423.36	583.31	716.00
γ 13.0	458.45	379.24	505.88	622.88
γ 14.0	403.91	345.36	440.74	540.04
γ 15.0	362.51	319.17	391.09	469.21
γ 16.0	331.24	298.98	354.30	412.50
γ 17.0	307.62	283.29	326.38	369.15
γ 18.0	288.75	270.13	304.11	336.81
γ 19.0	273.70	258.56	286.39	311.36
γ 20.0	261.36	248.38	271.30	291.82
γ 21.0	250.71	238.82	258.06	275.49
γ 22.0	241.35	230.26	246.52	262.17
γ 23.0	232.99	221.74	235.73	250.72
γ 24.0	225.01	214.06	225.92	240.75
γ 25.0	217.40	206.83	216.37	231.42
γ 26.0	210.33	200.76	207.73	222.60
γ 27.0	203.49	194.48	199.33	214.13
γ 28.0	197.09	189.11	192.31	206.27
γ 29.0	191.62	183.95	185.57	198.94
γ 30.0	186.45	179.54	180.03	192.38
γ 31.0	181.80	175.04	174.79	186.44
γ 32.0	177.17	171.05	170.20	181.10
γ 33.0	173.16	166.67	166.16	176.18
γ 34.0	169.09	162.83	162.51	171.72
γ 35.0	165.13	158.00	158.43	167.54
γ 36.0	160.62	150.80	154.65	163.78
γ 37.0	155.23	140.23	150.63	159.81
γ 38.0	147.07	127.63	144.17	155.84
γ 39.0	135.14	113.10	134.04	151.18
γ 40.0	121.99	98.16	122.00	143.65
γ 41.0	107.74	83.62	109.00	133.38
γ 42.0	93.25	68.95	95.16	121.18
γ 43.0	78.72	54.31	81.55	106.76
γ 44.0	64.18	40.63	68.16	92.25
γ 45.0	49.90	29.09	54.58	78.18
γ 46.0	36.46	20.92	41.72	64.32

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	25.12	16.33	30.03	49.98
γ 48.0	18.04	14.14	20.80	37.35
γ 49.0	15.18	12.65	15.28	26.51
γ 50.0	13.99	11.24	12.78	19.27
γ 51.0	12.88	10.22	11.53	15.41
γ 52.0	11.80	9.31	10.41	13.90
γ 53.0	10.99	8.63	9.30	12.69
γ 54.0	10.25	8.13	8.62	11.53
γ 55.0	9.68	7.61	7.95	10.66
γ 56.0	9.12	7.24	7.46	9.85
γ 57.0	8.63	6.80	6.98	9.18
γ 58.0	8.17	6.47	6.54	8.61
γ 59.0	7.80	6.17	6.21	8.05
γ 60.0	7.45	5.88	5.85	7.64
γ 61.0	7.11	5.59	5.57	7.19
γ 62.0	6.79	5.33	5.31	6.85
γ 63.0	6.47	5.07	5.06	6.49
γ 64.0	6.19	4.82	4.83	6.20
γ 65.0	5.91	4.60	4.63	5.87
γ 66.0	5.65	4.38	4.43	5.61
γ 67.0	5.41	4.16	4.25	5.35
γ 68.0	5.17	3.98	4.10	5.12
γ 69.0	4.95	3.79	3.95	4.90
γ 70.0	4.74	3.61	3.82	4.72
γ 71.0	4.55	3.42	3.70	4.55
γ 72.0	4.35	3.25	3.59	4.40
γ 73.0	4.15	3.08	3.44	4.26
γ 74.0	3.96	2.93	3.31	4.11
γ 75.0	3.77	2.79	3.17	3.97
γ 76.0	3.60	2.64	3.04	3.82
γ 77.0	3.42	2.50	2.89	3.67
γ 78.0	3.25	2.35	2.75	3.53
γ 79.0	3.10	2.24	2.62	3.38
γ 80.0	2.97	2.10	2.49	3.24
γ 81.0	2.89	2.06	2.39	3.10
γ 82.0	2.72	1.81	2.26	2.98
γ 83.0	2.56	1.66	2.22	2.86
γ 84.0	2.42	1.42	2.01	2.77
γ 85.0	2.16	1.11	1.85	2.57
γ 86.0	1.85	0.84	1.66	2.45
γ 87.0	1.55	0.59	1.33	2.24
γ 88.0	1.26	0.54	1.04	1.95
γ 89.0	1.19	0.49	0.76	1.67
γ 90.0	1.13	0.46	0.67	1.42
γ 91.0	1.07	0.41	0.61	1.26
γ 92.0	1.02	0.37	0.55	1.20
γ 93.0	0.97	0.34	0.50	1.13



# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.91	0.31	0.46	1.06
γ 95.0	0.87	0.28	0.42	1.00
γ 96.0	0.82	0.26	0.38	0.95
γ 97.0	0.78	0.22	0.34	0.89
γ 98.0	0.75	0.22	0.31	0.84
γ 99.0	0.72	0.18	0.27	0.78
γ 100.0	0.69	0.17	0.26	0.75
γ 101.0	0.66	0.17	0.23	0.71
γ 102.0	0.63	0.15	0.22	0.68
γ 103.0	0.61	0.14	0.20	0.64
γ 104.0	0.59	0.14	0.19	0.62
γ 105.0	0.57	0.14	0.18	0.60
γ 106.0	0.57	0.14	0.17	0.58
γ 107.0	0.55	0.14	0.17	0.56
γ 108.0	0.54	0.14	0.18	0.55
γ 109.0	0.53	0.14	0.18	0.53
γ 110.0	0.53	0.14	0.19	0.53
γ 111.0	0.51	0.14	0.19	0.52
γ 112.0	0.51	0.15	0.20	0.52
γ 113.0	0.51	0.15	0.21	0.52
γ 114.0	0.50	0.15	0.23	0.53
γ 115.0	0.50	0.16	0.25	0.53
γ 116.0	0.49	0.16	0.26	0.54
γ 117.0	0.49	0.17	0.28	0.54
γ 118.0	0.49	0.19	0.30	0.56
γ 119.0	0.49	0.20	0.32	0.57
γ 120.0	0.50	0.21	0.34	0.57
γ 121.0	0.50	0.23	0.36	0.59
γ 122.0	0.51	0.25	0.39	0.61
γ 123.0	0.54	0.28	0.42	0.62
γ 124.0	0.56	0.31	0.45	0.64
γ 125.0	0.57	0.34	0.48	0.67
γ 126.0	0.60	0.37	0.50	0.68
γ 127.0	0.63	0.42	0.54	0.71
γ 128.0	0.66	0.45	0.59	0.73
γ 129.0	0.69	0.50	0.62	0.76
γ 130.0	0.73	0.54	0.65	0.79
γ 131.0	0.77	0.60	0.70	0.82
γ 132.0	0.81	0.65	0.75	0.86
γ 133.0	0.86	0.69	0.81	0.89
γ 134.0	0.91	0.77	0.86	0.94
γ 135.0	0.96	0.84	0.92	0.98
γ 136.0	1.03	0.90	1.00	1.04
γ 137.0	1.09	0.98	1.06	1.10
γ 138.0	1.16	1.04	1.14	1.17
γ 139.0	1.22	1.13	1.21	1.23
γ 140.0	1.30	1.21	1.30	1.30

# IES Indoor Report

Photometric Filename:MD10-06-XX-02 2700K RA90 15D IES.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.37	1.29	1.38	1.38
γ 142.0	1.45	1.36	1.47	1.46
γ 143.0	1.53	1.45	1.54	1.54
γ 144.0	1.61	1.53	1.62	1.62
γ 145.0	1.68	1.60	1.71	1.69
γ 146.0	1.74	1.67	1.77	1.76
γ 147.0	1.81	1.74	1.85	1.83
γ 148.0	1.88	1.79	1.91	1.88
γ 149.0	1.95	1.85	1.96	1.95
γ 150.0	2.00	1.90	2.01	2.02
γ 151.0	2.05	1.95	2.07	2.06
γ 152.0	2.10	1.99	2.11	2.11
γ 153.0	2.14	2.03	2.15	2.16
γ 154.0	2.19	2.07	2.19	2.19
γ 155.0	2.24	2.10	2.24	2.23
γ 156.0	2.28	2.14	2.29	2.28
γ 157.0	2.32	2.18	2.32	2.31
γ 158.0	2.35	2.21	2.36	2.34
γ 159.0	2.40	2.24	2.39	2.37
γ 160.0	2.43	2.28	2.43	2.40
γ 161.0	2.47	2.32	2.46	2.44
γ 162.0	2.50	2.36	2.49	2.47
γ 163.0	2.55	2.41	2.52	2.49
γ 164.0	2.57	2.44	2.56	2.53
γ 165.0	2.61	2.47	2.59	2.55
γ 166.0	2.63	2.52	2.62	2.58
γ 167.0	2.66	2.54	2.65	2.60
γ 168.0	2.68	2.57	2.67	2.62
γ 169.0	2.71	2.58	2.68	2.64
γ 170.0	2.72	2.60	2.71	2.66
γ 171.0	2.73	2.61	2.72	2.66
γ 172.0	2.74	2.61	2.72	2.68
γ 173.0	2.74	2.62	2.73	2.69
γ 174.0	2.74	2.61	2.73	2.69
γ 175.0	2.73	2.61	2.73	2.68
γ 176.0	2.74	2.61	2.73	2.69
γ 177.0	2.74	2.61	2.72	2.68
γ 178.0	2.74	2.61	2.72	2.69
γ 179.0	2.74	2.61	2.71	2.69
γ 180.0	2.70	2.70	2.70	2.70