

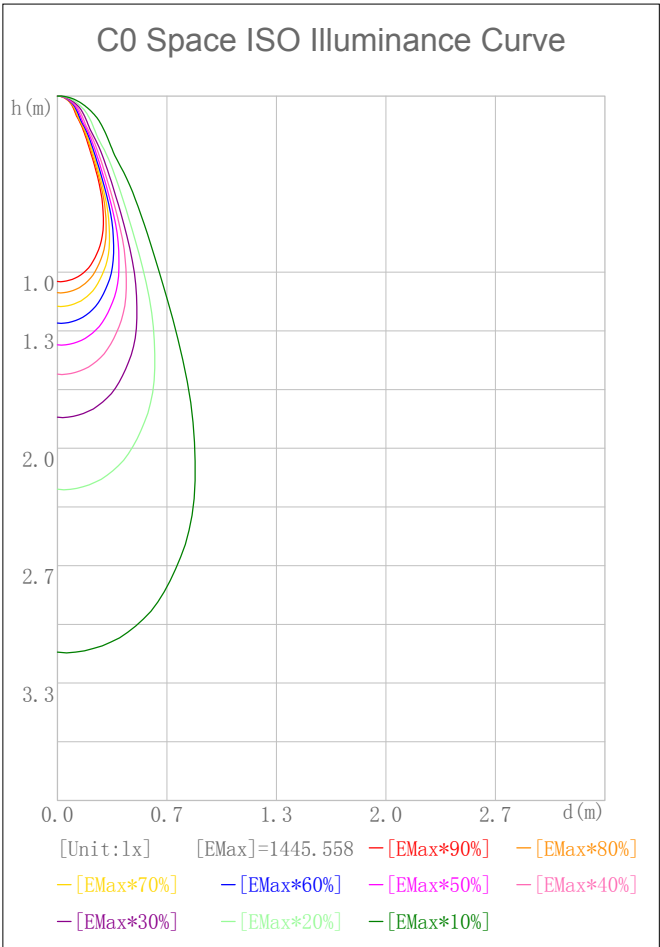
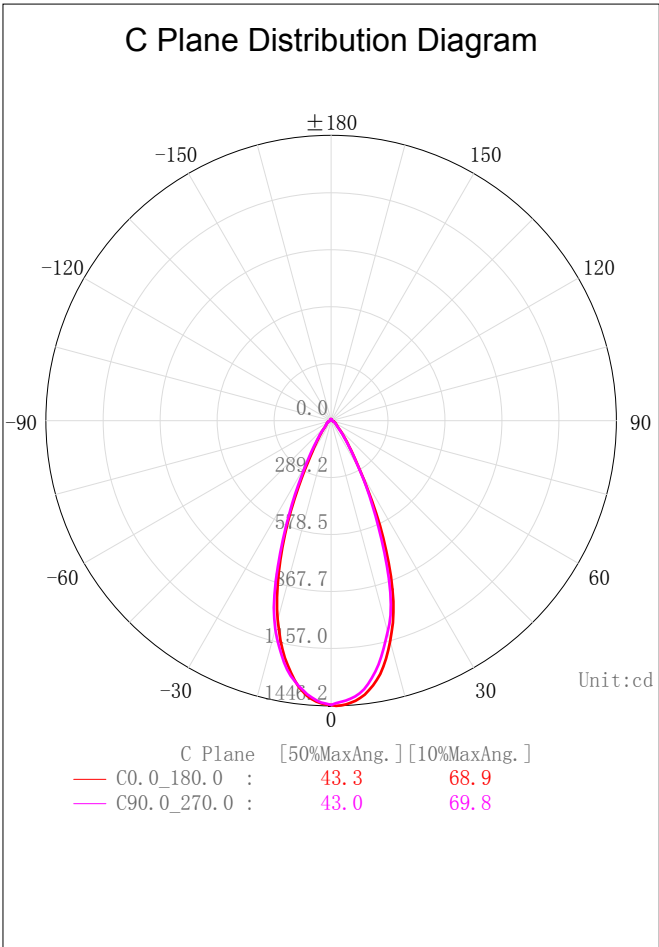
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-05 2700K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/01/06
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): 0.498m*0.498m*0.090m	Lum. Area (m2): 0.293	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%): 50.0

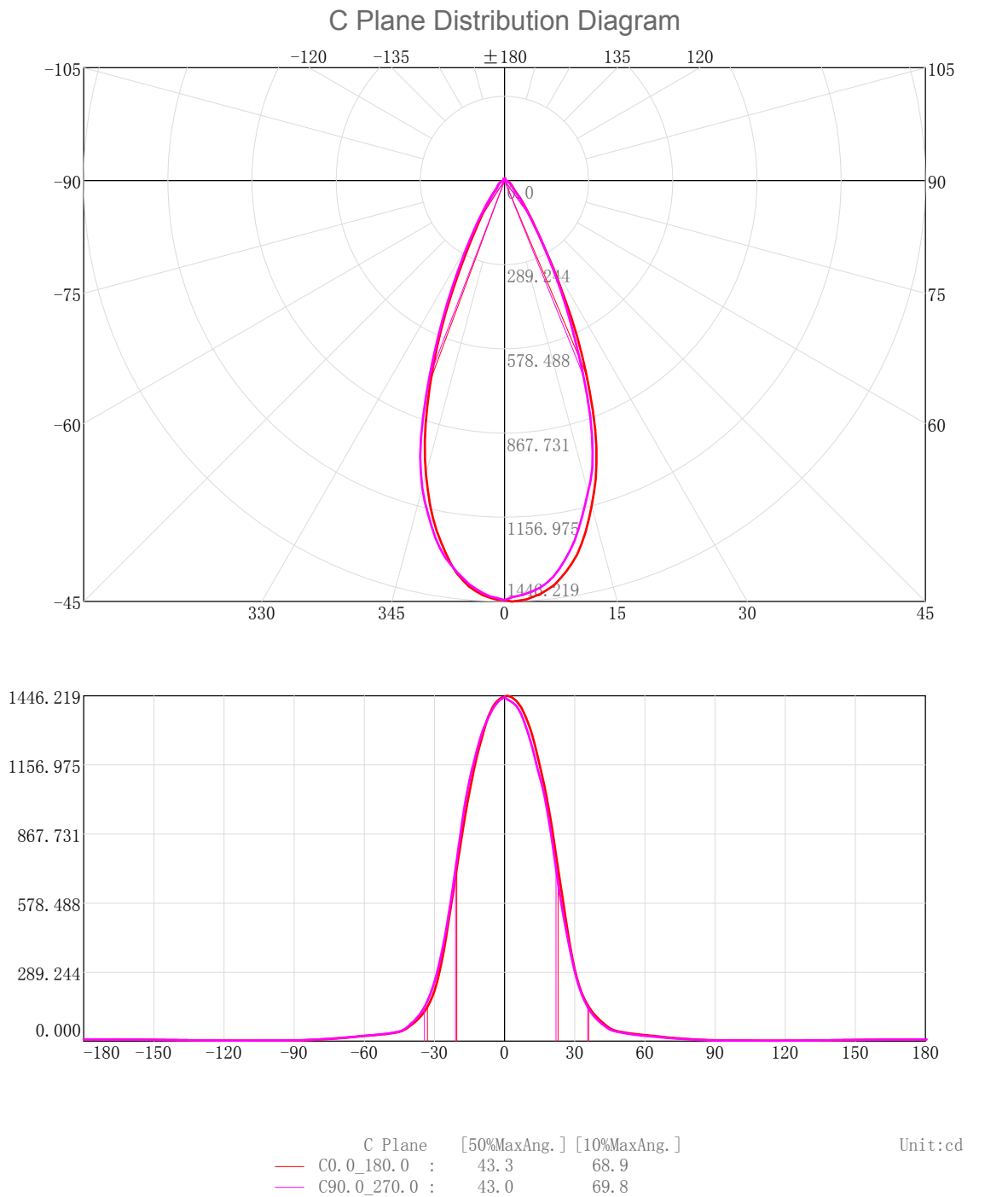
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 880.210	Luminary Flux(lm): 880.212	Field Angle(10%Imax): 68.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 855.891lm 97.24%
Rated Voltage(V):	Luminary EER(lm/W): 69.637	Up Lumens&Percent: 24.321lm 2.76%
Tested Power(W): 12.640	Max. Candela(cd): 1446.219	S/MH: C0_a180=0.709 C90_270=0.708
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.2, 0.055, 0.948	Beam Angle(50%Imax): 43.3(°)	ErP Φ use(90°): 772.168lm
Lamp Size (W*L*H): 0.498m*0.498m*0.090m	Left=-20.4°, Right=22.9°	IRF(%): 359.957



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06



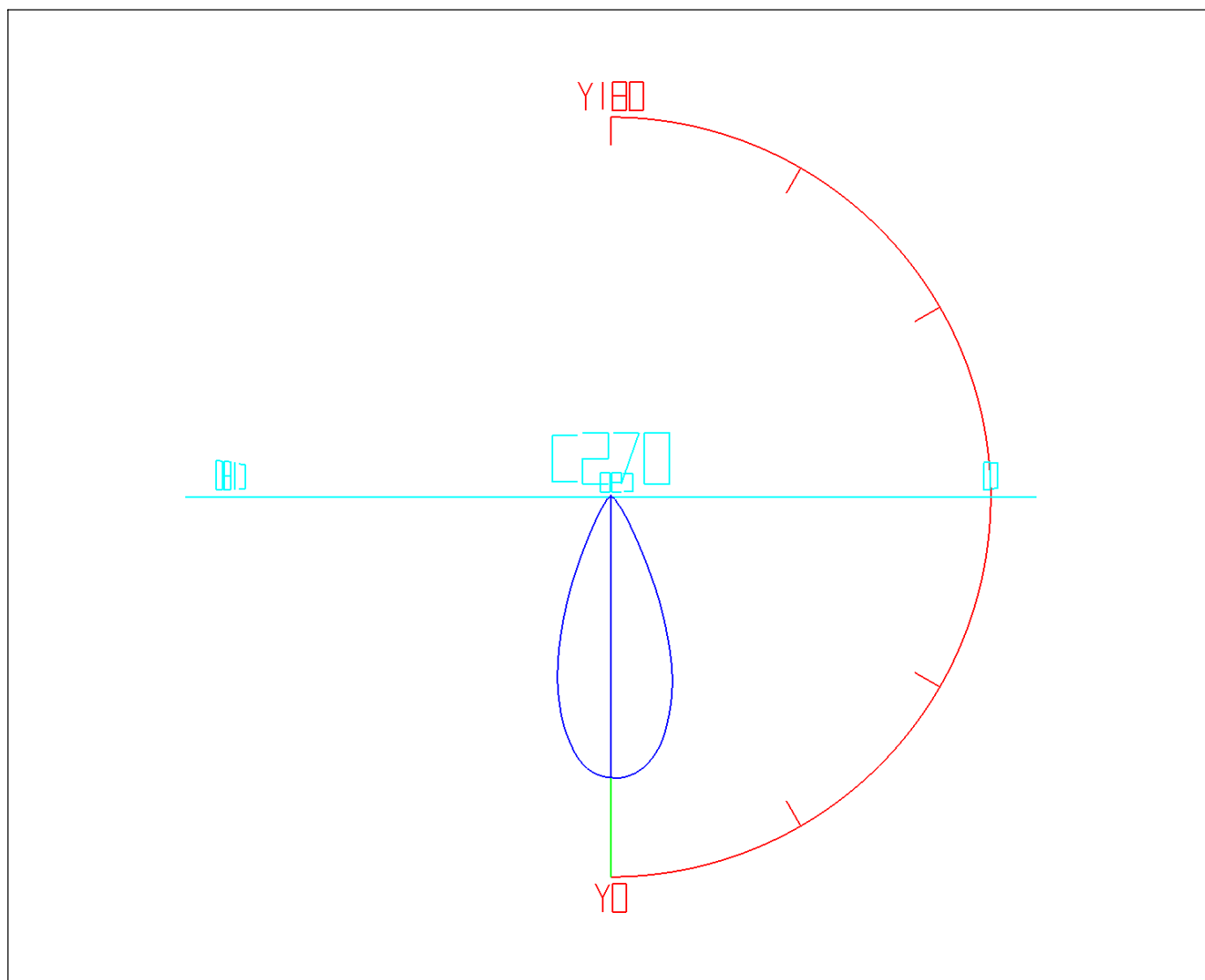
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

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	1.38	1.38	0.16	0.16	47.0-48.0	3.16	788.95	0.36	89.63
1.0-2.0	4.12	5.50	0.47	0.62	48.0-49.0	3.05	792.00	0.35	89.98
2.0-3.0	6.84	12.34	0.78	1.40	49.0-50.0	2.95	794.95	0.34	90.31
3.0-4.0	9.52	21.86	1.08	2.48	50.0-51.0	2.86	797.81	0.32	90.64
4.0-5.0	12.14	34.00	1.38	3.86	51.0-52.0	2.78	800.59	0.32	90.95
5.0-6.0	14.68	48.68	1.67	5.53	52.0-53.0	2.70	803.29	0.31	91.26
6.0-7.0	17.13	65.80	1.95	7.48	53.0-54.0	2.63	805.92	0.30	91.56
7.0-8.0	19.45	85.25	2.21	9.69	54.0-55.0	2.56	808.48	0.29	91.85
8.0-9.0	21.62	106.87	2.46	12.14	55.0-56.0	2.49	810.98	0.28	92.13
9.0-10.0	23.65	130.52	2.69	14.83	56.0-57.0	2.43	813.41	0.28	92.41
10.0-11.0	25.51	156.03	2.90	17.73	57.0-58.0	2.37	815.77	0.27	92.68
11.0-12.0	27.15	183.18	3.08	20.81	58.0-59.0	2.31	818.08	0.26	92.94
12.0-13.0	28.57	211.75	3.25	24.06	59.0-60.0	2.25	820.34	0.26	93.20
13.0-14.0	29.78	241.53	3.38	27.44	60.0-61.0	2.20	822.54	0.25	93.45
14.0-15.0	30.79	272.32	3.50	30.94	61.0-62.0	2.13	824.67	0.24	93.69
15.0-16.0	31.60	303.92	3.59	34.53	62.0-63.0	2.06	826.73	0.23	93.92
16.0-17.0	32.14	336.05	3.65	38.18	63.0-64.0	1.98	828.71	0.22	94.15
17.0-18.0	32.31	368.36	3.67	41.85	64.0-65.0	1.89	830.60	0.22	94.36
18.0-19.0	32.07	400.43	3.64	45.49	65.0-66.0	1.81	832.41	0.21	94.57
19.0-20.0	31.45	431.88	3.57	49.07	66.0-67.0	1.73	834.14	0.20	94.77
20.0-21.0	30.48	462.37	3.46	52.53	67.0-68.0	1.65	835.78	0.19	94.95
21.0-22.0	29.22	491.59	3.32	55.85	68.0-69.0	1.57	837.35	0.18	95.13
22.0-23.0	27.76	519.35	3.15	59.00	69.0-70.0	1.49	838.84	0.17	95.30
23.0-24.0	26.17	545.52	2.97	61.98	70.0-71.0	1.42	840.26	0.16	95.46
24.0-25.0	24.43	569.95	2.78	64.75	71.0-72.0	1.35	841.61	0.15	95.61
25.0-26.0	22.57	592.52	2.56	67.32	72.0-73.0	1.28	842.88	0.15	95.76
26.0-27.0	20.65	613.17	2.35	69.66	73.0-74.0	1.21	844.10	0.14	95.90
27.0-28.0	18.75	631.92	2.13	71.79	74.0-75.0	1.15	845.24	0.13	96.03
28.0-29.0	16.93	648.85	1.92	73.72	75.0-76.0	1.08	846.33	0.12	96.15
29.0-30.0	15.24	664.09	1.73	75.45	76.0-77.0	1.02	847.35	0.12	96.27
30.0-31.0	13.71	677.80	1.56	77.00	77.0-78.0	0.96	848.32	0.11	96.38
31.0-32.0	12.37	690.18	1.41	78.41	78.0-79.0	0.91	849.22	0.10	96.48
32.0-33.0	11.20	701.38	1.27	79.68	79.0-80.0	0.85	850.07	0.10	96.58
33.0-34.0	10.16	711.54	1.15	80.84	80.0-81.0	0.80	850.87	0.09	96.67
34.0-35.0	9.24	720.77	1.05	81.89	81.0-82.0	0.74	851.61	0.08	96.75
35.0-36.0	8.42	729.19	0.96	82.84	82.0-83.0	0.69	852.30	0.08	96.83
36.0-37.0	7.69	736.89	0.87	83.72	83.0-84.0	0.64	852.94	0.07	96.90
37.0-38.0	7.05	743.94	0.80	84.52	84.0-85.0	0.59	853.53	0.07	96.97
38.0-39.0	6.48	750.42	0.74	85.25	85.0-86.0	0.54	854.07	0.06	97.03
39.0-40.0	5.96	756.37	0.68	85.93	86.0-87.0	0.50	854.57	0.06	97.09
40.0-41.0	5.46	761.83	0.62	86.55	87.0-88.0	0.46	855.03	0.05	97.14
41.0-42.0	4.96	766.79	0.56	87.11	88.0-89.0	0.44	855.47	0.05	97.19
42.0-43.0	4.48	771.27	0.51	87.62	89.0-90.0	0.42	855.89	0.05	97.24
43.0-44.0	4.05	775.32	0.46	88.08	90.0-91.0	0.41	856.30	0.05	97.28
44.0-45.0	3.71	779.03	0.42	88.50	91.0-92.0	0.40	856.70	0.05	97.33
45.0-46.0	3.46	782.49	0.39	88.90	92.0-93.0	0.39	857.09	0.04	97.37
46.0-47.0	3.29	785.78	0.37	89.27	93.0-94.0	0.38	857.48	0.04	97.42

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	0.38	857.85	0.04	97.46	141.0-142.0	0.33	872.05	0.04	99.07
95.0-96.0	0.37	858.22	0.04	97.50	142.0-143.0	0.33	872.37	0.04	99.11
96.0-97.0	0.36	858.58	0.04	97.54	143.0-144.0	0.33	872.70	0.04	99.15
97.0-98.0	0.36	858.94	0.04	97.58	144.0-145.0	0.33	873.03	0.04	99.18
98.0-99.0	0.35	859.29	0.04	97.62	145.0-146.0	0.33	873.35	0.04	99.22
99.0-100.0	0.34	859.63	0.04	97.66	146.0-147.0	0.33	873.68	0.04	99.26
100.0-101.0	0.34	859.97	0.04	97.70	147.0-148.0	0.33	874.01	0.04	99.30
101.0-102.0	0.33	860.30	0.04	97.74	148.0-149.0	0.32	874.33	0.04	99.33
102.0-103.0	0.32	860.62	0.04	97.77	149.0-150.0	0.32	874.65	0.04	99.37
103.0-104.0	0.32	860.94	0.04	97.81	150.0-151.0	0.32	874.97	0.04	99.40
104.0-105.0	0.31	861.25	0.04	97.85	151.0-152.0	0.31	875.28	0.04	99.44
105.0-106.0	0.31	861.56	0.04	97.88	152.0-153.0	0.31	875.59	0.04	99.48
106.0-107.0	0.30	861.87	0.03	97.92	153.0-154.0	0.30	875.90	0.03	99.51
107.0-108.0	0.30	862.17	0.03	97.95	154.0-155.0	0.30	876.19	0.03	99.54
108.0-109.0	0.30	862.46	0.03	97.98	155.0-156.0	0.29	876.48	0.03	99.58
109.0-110.0	0.29	862.75	0.03	98.02	156.0-157.0	0.28	876.77	0.03	99.61
110.0-111.0	0.29	863.04	0.03	98.05	157.0-158.0	0.27	877.04	0.03	99.64
111.0-112.0	0.28	863.33	0.03	98.08	158.0-159.0	0.27	877.31	0.03	99.67
112.0-113.0	0.28	863.61	0.03	98.11	159.0-160.0	0.26	877.57	0.03	99.70
113.0-114.0	0.28	863.89	0.03	98.15	160.0-161.0	0.25	877.81	0.03	99.73
114.0-115.0	0.28	864.16	0.03	98.18	161.0-162.0	0.24	878.05	0.03	99.75
115.0-116.0	0.27	864.44	0.03	98.21	162.0-163.0	0.23	878.28	0.03	99.78
116.0-117.0	0.27	864.71	0.03	98.24	163.0-164.0	0.21	878.49	0.02	99.80
117.0-118.0	0.27	864.98	0.03	98.27	164.0-165.0	0.20	878.69	0.02	99.83
118.0-119.0	0.27	865.25	0.03	98.30	165.0-166.0	0.19	878.88	0.02	99.85
119.0-120.0	0.27	865.52	0.03	98.33	166.0-167.0	0.18	879.06	0.02	99.87
120.0-121.0	0.27	865.80	0.03	98.36	167.0-168.0	0.17	879.23	0.02	99.89
121.0-122.0	0.27	866.07	0.03	98.39	168.0-169.0	0.15	879.38	0.02	99.91
122.0-123.0	0.27	866.34	0.03	98.42	169.0-170.0	0.14	879.53	0.02	99.92
123.0-124.0	0.27	866.62	0.03	98.46	170.0-171.0	0.13	879.66	0.01	99.94
124.0-125.0	0.28	866.89	0.03	98.49	171.0-172.0	0.12	879.77	0.01	99.95
125.0-126.0	0.28	867.17	0.03	98.52	172.0-173.0	0.10	879.87	0.01	99.96
126.0-127.0	0.28	867.45	0.03	98.55	173.0-174.0	0.09	879.96	0.01	99.97
127.0-128.0	0.28	867.74	0.03	98.58	174.0-175.0	0.08	880.04	0.01	99.98
128.0-129.0	0.29	868.03	0.03	98.62	175.0-176.0	0.06	880.10	0.01	99.99
129.0-130.0	0.29	868.32	0.03	98.65	176.0-177.0	0.05	880.15	0.01	99.99
130.0-131.0	0.29	868.61	0.03	98.68	177.0-178.0	0.03	880.18	0.00	100.00
131.0-132.0	0.30	868.91	0.03	98.72	178.0-179.0	0.02	880.21	0.00	100.00
132.0-133.0	0.30	869.20	0.03	98.75	179.0-180.0	0.01	880.21	0.00	100.00
133.0-134.0	0.30	869.51	0.03	98.78					
134.0-135.0	0.31	869.82	0.03	98.82					
135.0-136.0	0.31	870.13	0.04	98.85					
136.0-137.0	0.31	870.44	0.04	98.89					
137.0-138.0	0.32	870.75	0.04	98.93					
138.0-139.0	0.32	871.07	0.04	98.96					
139.0-140.0	0.32	871.40	0.04	99.00					
140.0-141.0	0.32	871.72	0.04	99.04					

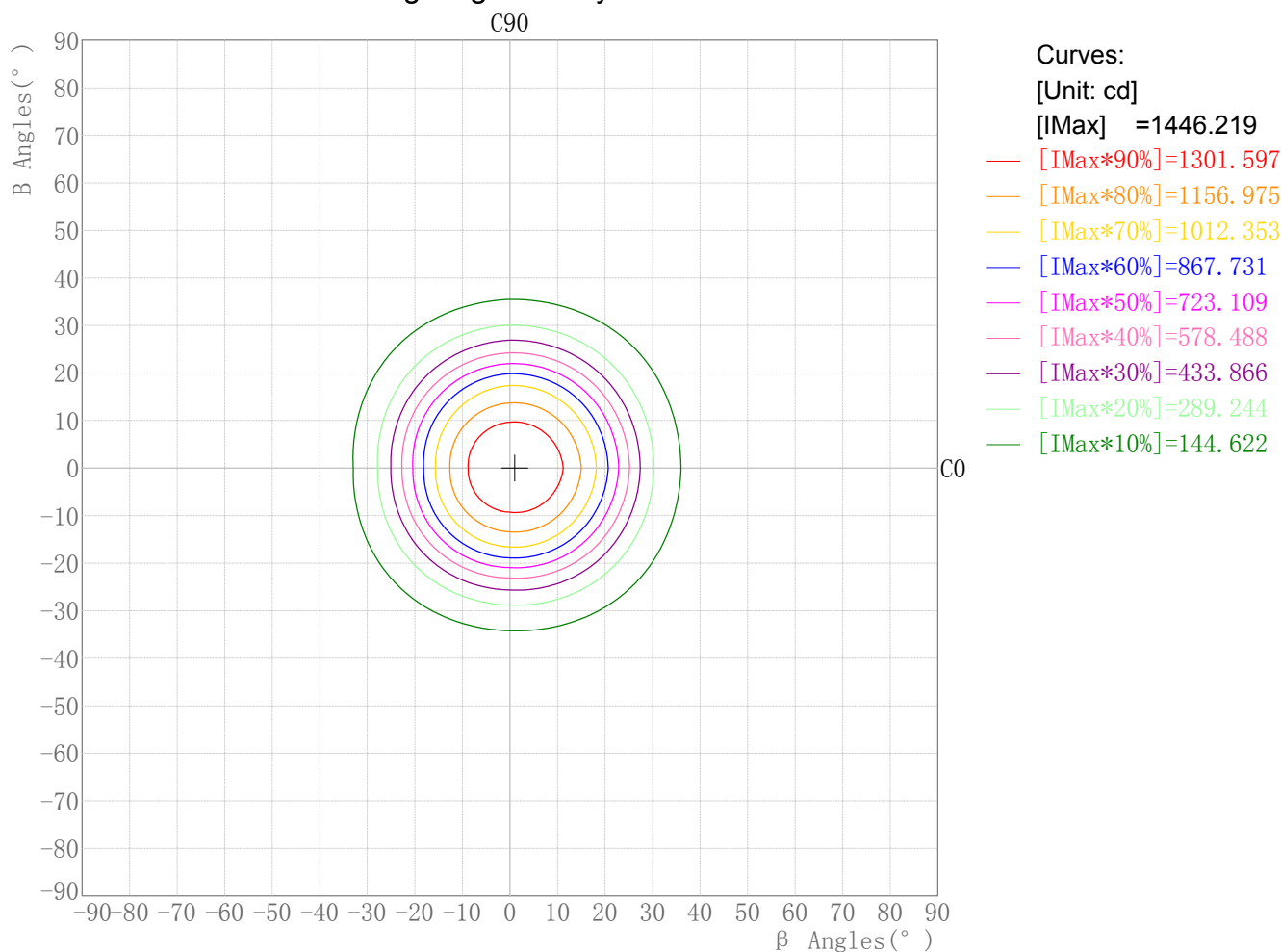
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 1446.22

Maximum Cand.@Angle: H=1.0°,V=0.0°

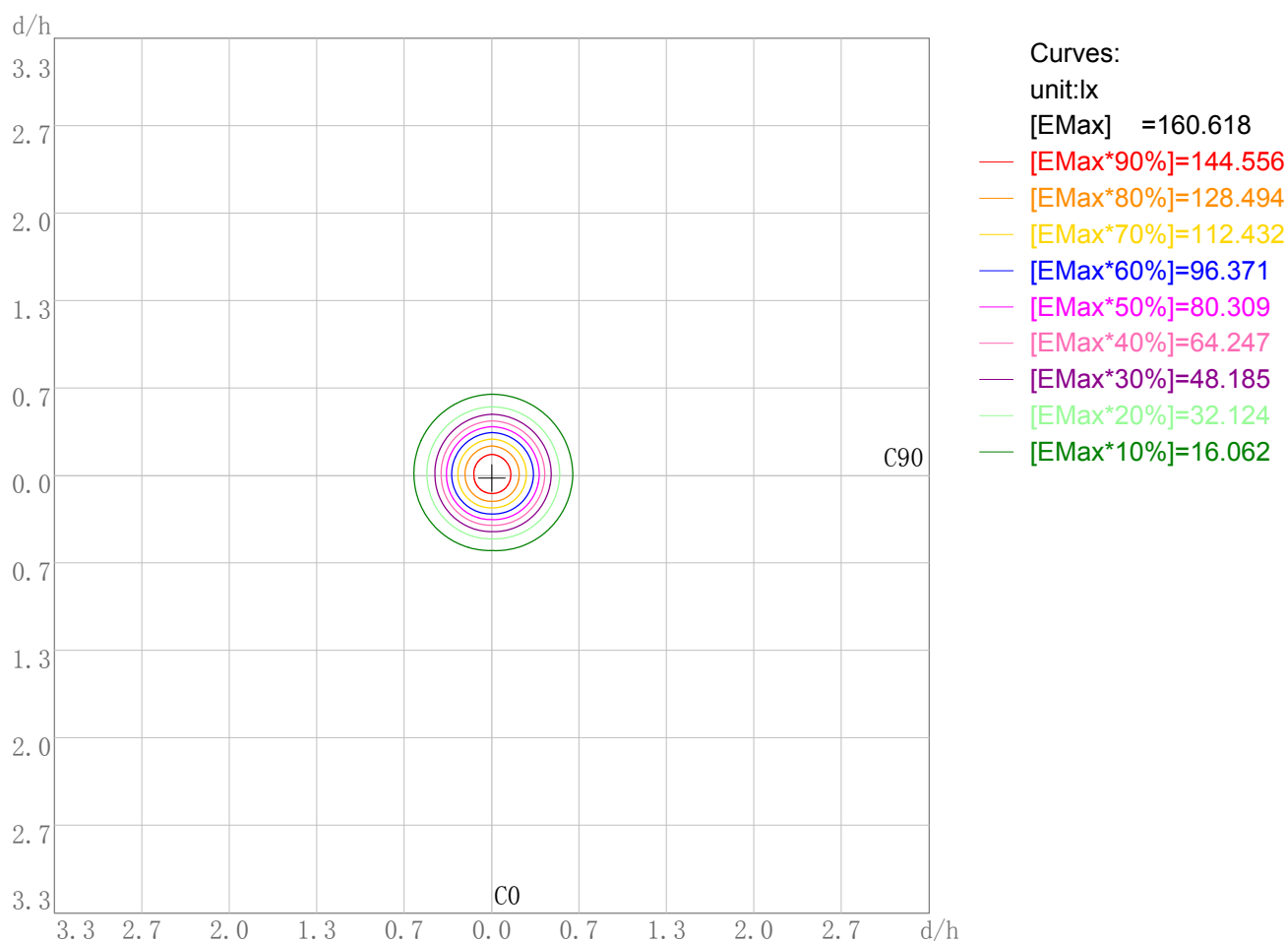
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

Plane ISO-Illuminance Curve



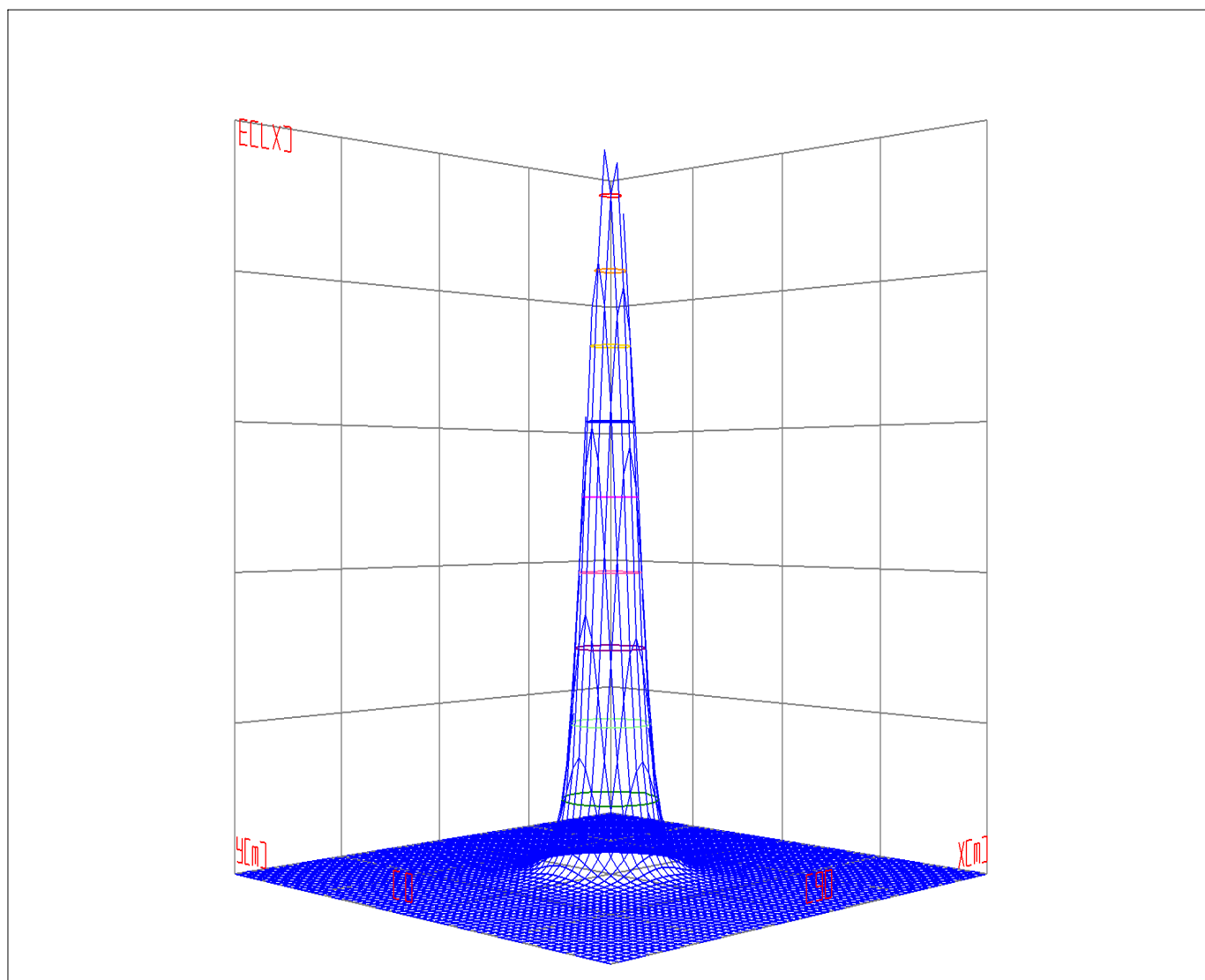
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

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

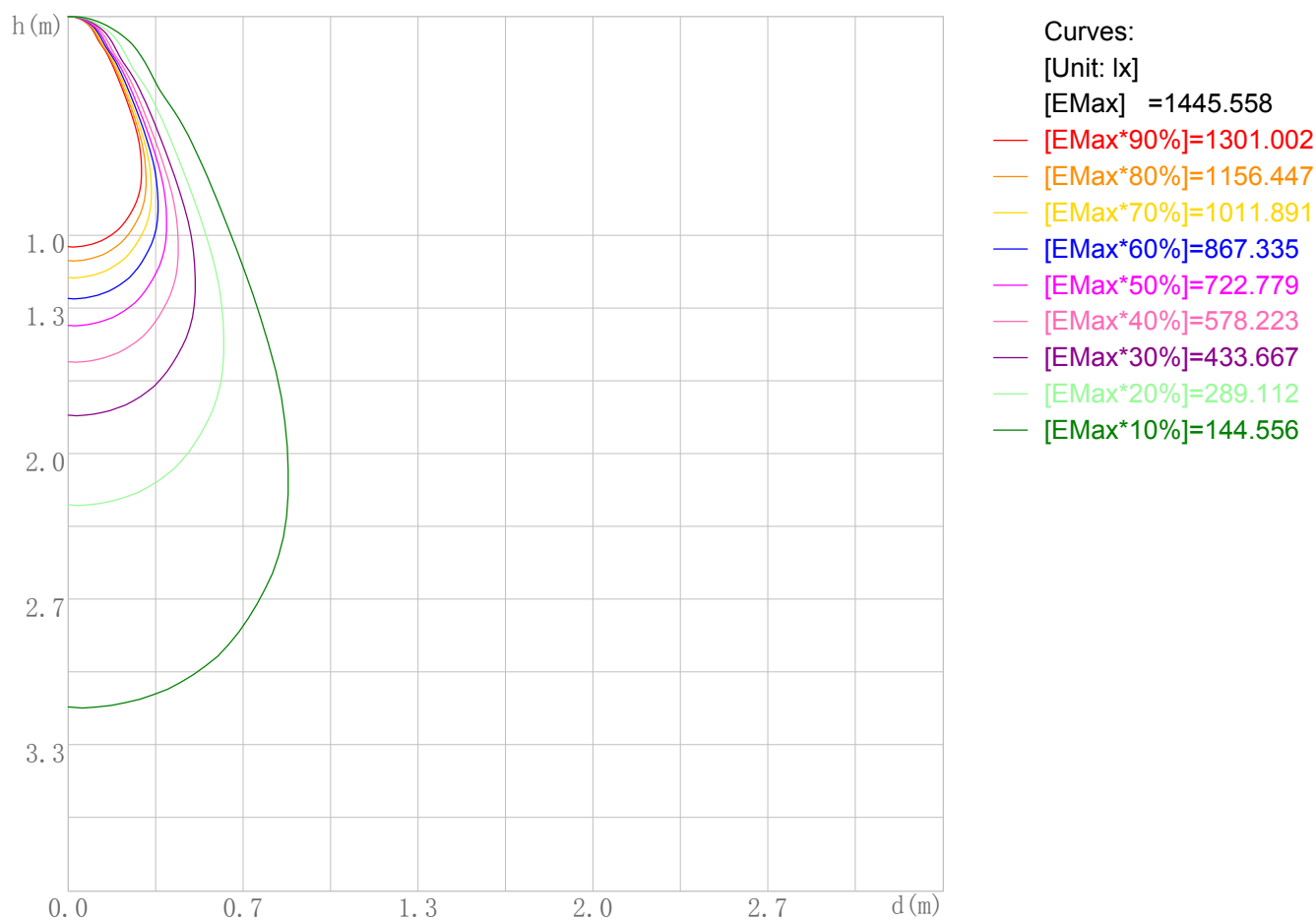
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1445.56lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1446.219cd,0deg

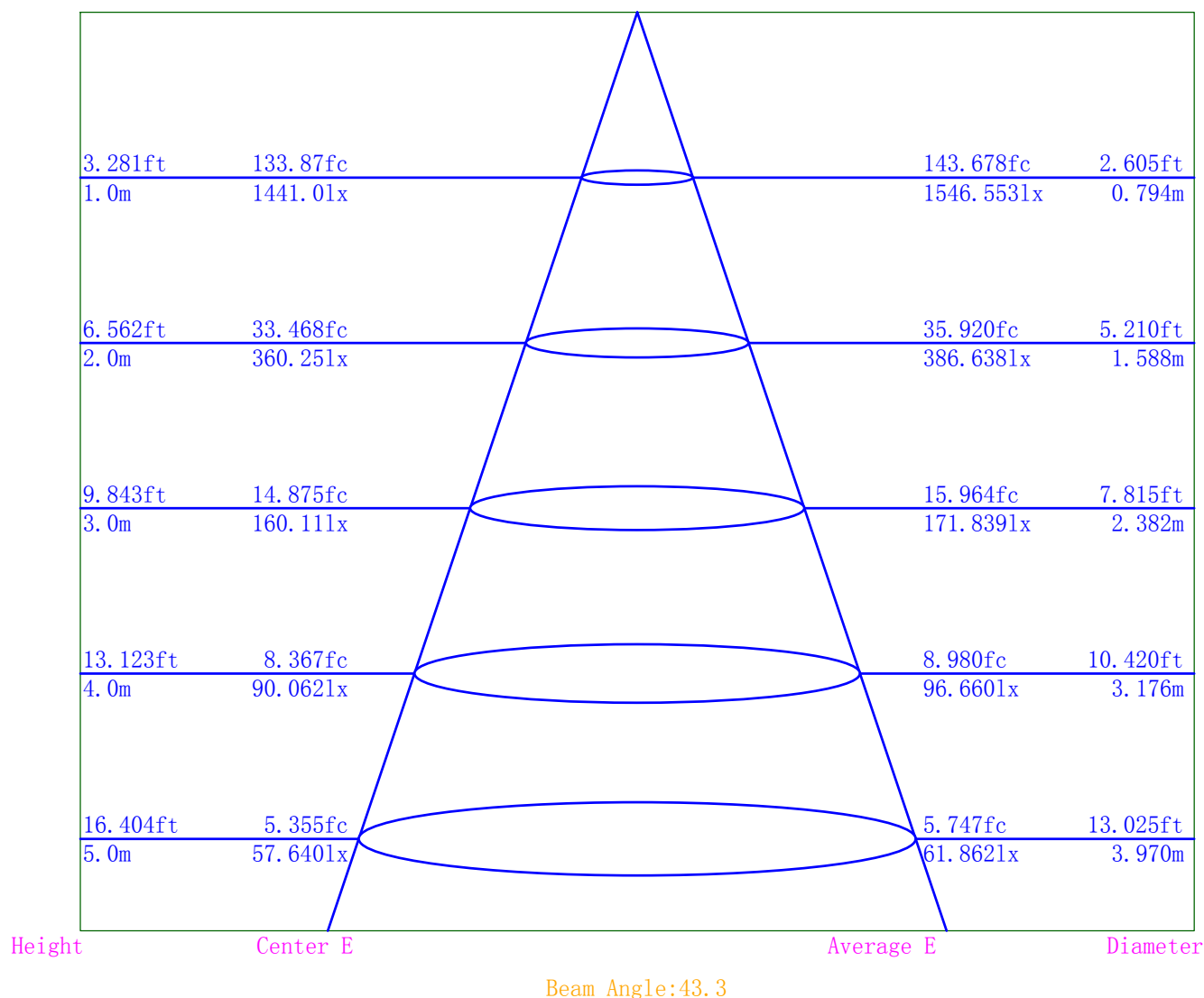
IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

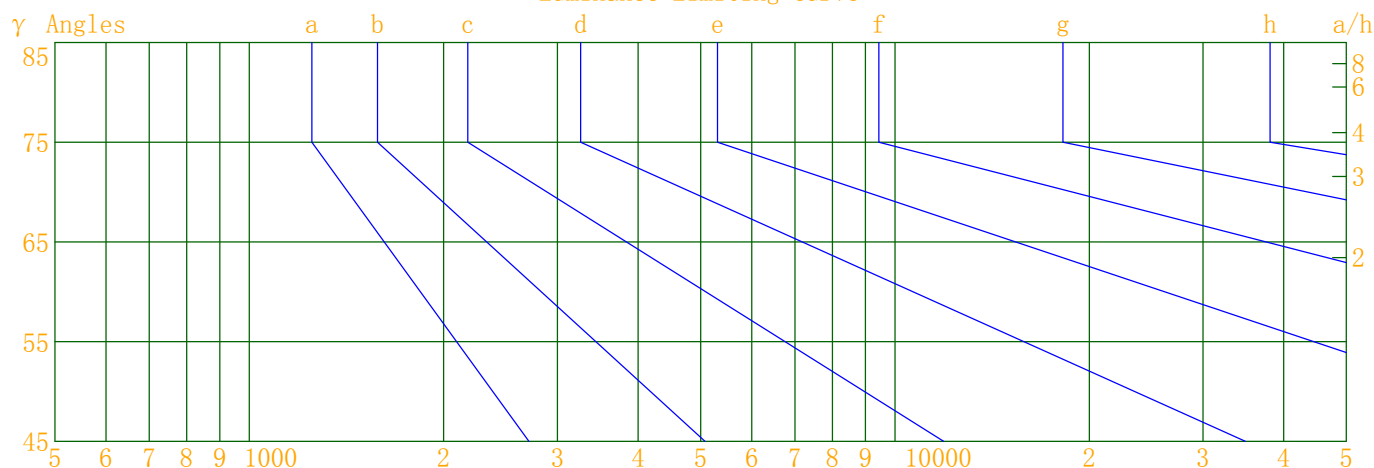
Glare Grade Table

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	262	206	187	177	169	158	156	170	236
C90	238	191	168	155	146	136	134	146	198

Luminance Limiting Curve



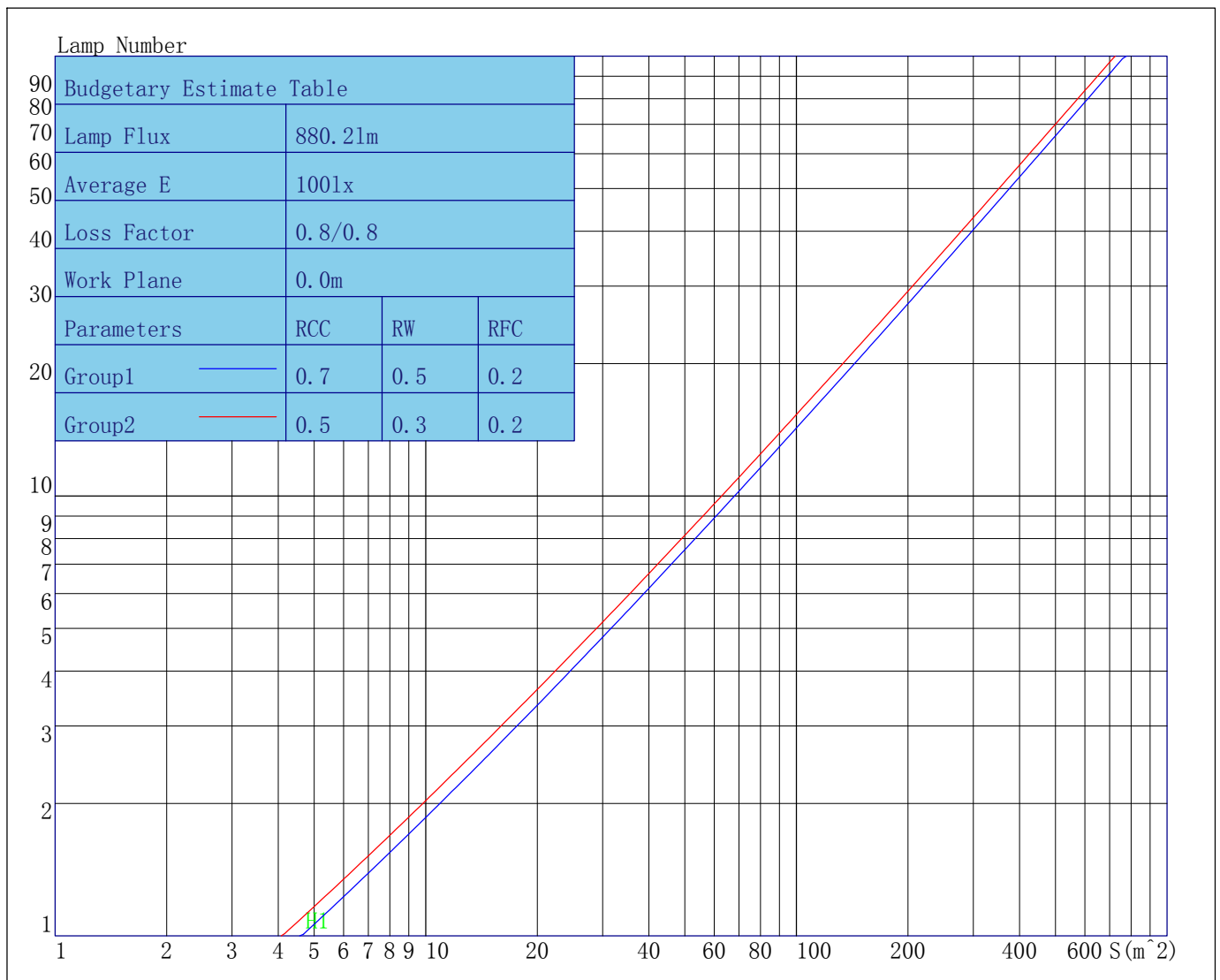
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.090 Area(m^2)=0.292824
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06



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-XX-05 2700K RA90 38D	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: 2020/01/06

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	100	100	100	97
1	112	110	107	105	110	107	105	103	103	101	99	98	97	95	94	93	92	90
2	107	102	98	94	104	100	96	93	96	93	90	93	90	88	90	88	86	84
3	102	95	90	86	99	93	89	85	90	87	83	88	84	82	85	82	80	79
4	97	89	84	79	95	88	83	79	85	81	78	83	79	76	81	78	75	74
5	92	84	78	74	90	83	78	74	81	76	73	79	75	72	77	74	71	69
6	88	79	74	69	86	78	73	69	77	72	68	75	71	68	73	70	67	66
7	84	75	69	65	83	74	69	65	73	68	65	71	67	64	70	66	63	62
8	81	71	66	62	79	71	65	62	69	65	61	68	64	61	67	63	60	59
9	77	68	62	59	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	59	56	73	64	59	56	63	59	55	62	58	55	62	58	55	54

Unified Glare Rating Table

Lum. Name: MD10-13-XX-05 2700K RA90 38D	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: 2020/01/06

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	3.2	4.2	3.6	4.6	5.0	2.7	3.8	3.2	4.2	4.5
	4.1	5.0	4.5	5.4	5.8	3.5	4.4	4.0	4.8	5.3
	4.5	5.4	5.0	5.8	6.2	3.9	4.8	4.4	5.2	5.6
	5.0	5.7	5.4	6.2	6.6	4.3	5.1	4.8	5.5	6.0
	5.2	5.9	5.7	6.4	6.8	4.5	5.2	5.0	5.7	6.2
	5.4	6.1	5.9	6.6	7.1	4.7	5.4	5.2	5.9	6.4
X=4H Y=2H	3.4	4.3	3.9	4.7	5.1	3.0	3.8	3.4	4.3	4.7
	4.5	5.2	5.0	5.7	6.2	4.0	4.7	4.4	5.1	5.6
	5.1	5.7	5.6	6.2	6.7	4.5	5.1	5.0	5.6	6.1
	5.7	6.3	6.2	6.8	7.3	5.1	5.6	5.6	6.1	6.7
	6.0	6.5	6.6	7.0	7.6	5.3	5.9	5.9	6.4	6.9
	6.4	6.8	6.9	7.4	7.9	5.7	6.1	6.2	6.6	7.2
X=8H Y=4H	5.3	5.8	5.8	6.3	6.8	4.7	5.2	5.2	5.7	6.2
	6.1	6.5	6.6	7.0	7.6	5.4	5.8	6.0	6.4	7.0
	6.5	6.9	7.1	7.4	8.0	5.8	6.2	6.4	6.8	7.3
	7.0	7.4	7.6	7.9	8.5	6.3	6.6	6.9	7.2	7.8
X=12H Y=4H	5.3	5.7	5.8	6.3	6.8	4.7	5.2	5.2	5.7	6.2
	6.1	6.5	6.7	7.0	7.6	5.5	5.9	6.1	6.4	7.0
	6.6	7.0	7.2	7.5	8.2	6.0	6.3	6.6	6.9	7.5
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					0.5/-0.5				
S=2.0H	0.6/-0.6					0.7/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.6					2.5				

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	1440.99	1440.99	1440.99	1440.99
γ 1.0	1446.22	1432.04	1439.78	1434.93
γ 2.0	1443.96	1426.72	1433.74	1429.28
γ 3.0	1440.59	1421.05	1425.91	1419.02
γ 4.0	1432.92	1413.07	1414.23	1406.10
γ 5.0	1424.95	1403.66	1399.80	1392.20
γ 6.0	1412.63	1389.57	1379.51	1372.46
γ 7.0	1399.72	1371.55	1357.51	1353.61
γ 8.0	1380.00	1347.70	1328.47	1331.73
γ 9.0	1358.79	1320.68	1294.80	1309.56
γ 10.0	1334.50	1292.02	1260.15	1281.33
γ 11.0	1308.44	1260.09	1224.83	1248.91
γ 12.0	1274.79	1223.57	1184.48	1210.54
γ 13.0	1238.18	1184.59	1140.72	1172.53
γ 14.0	1198.17	1145.25	1092.10	1135.12
γ 15.0	1156.72	1107.98	1044.20	1092.31
γ 16.0	1114.33	1072.74	992.99	1043.91
γ 17.0	1071.27	1031.88	936.47	990.75
γ 18.0	1021.67	979.88	876.69	928.89
γ 19.0	969.16	922.58	814.52	860.09
γ 20.0	910.15	859.31	750.13	788.23
γ 21.0	846.54	791.56	686.28	718.15
γ 22.0	780.14	722.07	621.98	649.83
γ 23.0	715.57	655.54	561.17	585.82
γ 24.0	651.38	592.18	499.80	525.85
γ 25.0	588.74	534.77	436.42	468.35
γ 26.0	523.46	481.03	377.61	414.49
γ 27.0	458.24	429.38	327.00	365.11
γ 28.0	398.84	380.27	282.01	321.23
γ 29.0	347.05	334.75	242.45	282.06
γ 30.0	301.20	292.56	210.05	247.68
γ 31.0	262.50	255.73	183.84	217.77
γ 32.0	229.77	224.22	162.34	191.63
γ 33.0	202.80	197.26	143.85	168.53
γ 34.0	180.00	174.01	127.91	148.28
γ 35.0	160.77	153.46	114.30	131.02
γ 36.0	144.21	135.62	102.27	116.20
γ 37.0	129.46	120.45	91.80	103.52
γ 38.0	116.66	107.69	82.79	92.50
γ 39.0	105.52	96.78	74.81	82.51
γ 40.0	95.67	87.13	67.20	73.54
γ 41.0	86.46	78.53	59.94	64.70
γ 42.0	77.47	70.29	52.71	56.05
γ 43.0	69.12	62.31	46.62	49.05
γ 44.0	60.93	55.16	42.09	44.01
γ 45.0	54.19	49.35	39.17	41.05
γ 46.0	49.04	45.26	37.04	39.02

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	45.67	42.44	35.28	37.22
γ 48.0	43.13	40.21	33.70	35.48
γ 49.0	40.85	38.07	32.31	33.76
γ 50.0	38.72	35.97	31.03	32.28
γ 51.0	37.01	34.12	29.95	31.06
γ 52.0	35.39	32.50	28.92	29.95
γ 53.0	33.98	30.93	27.95	28.93
γ 54.0	32.59	29.57	26.98	27.85
γ 55.0	31.33	28.25	26.07	26.92
γ 56.0	30.06	26.98	25.19	26.01
γ 57.0	28.91	25.76	24.40	25.20
γ 58.0	27.84	24.72	23.66	24.38
γ 59.0	26.84	23.69	22.95	23.65
γ 60.0	25.88	22.76	22.22	22.88
γ 61.0	25.00	21.91	21.40	22.08
γ 62.0	24.08	21.04	20.47	21.10
γ 63.0	23.08	20.09	19.42	20.06
γ 64.0	22.05	19.11	18.39	19.06
γ 65.0	20.91	18.05	17.41	18.13
γ 66.0	19.80	17.07	16.45	17.20
γ 67.0	18.75	16.13	15.56	16.33
γ 68.0	17.72	15.26	14.71	15.47
γ 69.0	16.76	14.42	13.89	14.66
γ 70.0	15.84	13.65	13.09	13.90
γ 71.0	14.96	12.87	12.34	13.15
γ 72.0	14.13	12.15	11.63	12.43
γ 73.0	13.34	11.48	10.94	11.75
γ 74.0	12.57	10.84	10.26	11.08
γ 75.0	11.85	10.19	9.64	10.44
γ 76.0	11.15	9.60	9.02	9.84
γ 77.0	10.48	9.01	8.43	9.25
γ 78.0	9.85	8.46	7.86	8.68
γ 79.0	9.23	7.92	7.31	8.13
γ 80.0	8.65	7.40	6.78	7.60
γ 81.0	8.09	6.91	6.28	7.09
γ 82.0	7.54	6.43	5.80	6.58
γ 83.0	7.02	5.97	5.32	6.13
γ 84.0	6.51	5.51	4.87	5.66
γ 85.0	6.03	5.07	4.43	5.20
γ 86.0	5.57	4.64	4.02	4.78
γ 87.0	5.12	4.22	3.70	4.44
γ 88.0	4.71	3.85	3.54	4.23
γ 89.0	4.39	3.58	3.46	4.13
γ 90.0	4.22	3.44	3.38	4.03
γ 91.0	4.12	3.37	3.32	3.94
γ 92.0	4.03	3.31	3.26	3.86
γ 93.0	3.94	3.24	3.19	3.78

IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.87	3.17	3.14	3.71
γ 95.0	3.79	3.13	3.09	3.64
γ 96.0	3.71	3.06	3.05	3.57
γ 97.0	3.65	3.03	3.01	3.51
γ 98.0	3.57	2.98	2.97	3.45
γ 99.0	3.51	2.93	2.92	3.40
γ 100.0	3.44	2.89	2.90	3.35
γ 101.0	3.39	2.83	2.86	3.29
γ 102.0	3.33	2.79	2.83	3.25
γ 103.0	3.28	2.76	2.80	3.20
γ 104.0	3.22	2.72	2.78	3.17
γ 105.0	3.18	2.68	2.76	3.14
γ 106.0	3.13	2.65	2.74	3.11
γ 107.0	3.09	2.62	2.72	3.08
γ 108.0	3.05	2.60	2.71	3.05
γ 109.0	3.01	2.58	2.71	3.03
γ 110.0	2.98	2.55	2.70	3.02
γ 111.0	2.95	2.53	2.69	3.00
γ 112.0	2.93	2.52	2.69	2.99
γ 113.0	2.90	2.51	2.70	2.99
γ 114.0	2.88	2.51	2.71	2.98
γ 115.0	2.86	2.50	2.73	2.99
γ 116.0	2.85	2.51	2.75	3.00
γ 117.0	2.85	2.53	2.78	3.02
γ 118.0	2.85	2.53	2.81	3.03
γ 119.0	2.85	2.55	2.85	3.06
γ 120.0	2.87	2.58	2.90	3.09
γ 121.0	2.89	2.61	2.95	3.13
γ 122.0	2.91	2.65	3.00	3.17
γ 123.0	2.94	2.69	3.07	3.22
γ 124.0	2.98	2.74	3.14	3.27
γ 125.0	3.02	2.79	3.20	3.34
γ 126.0	3.07	2.86	3.29	3.40
γ 127.0	3.13	2.92	3.38	3.48
γ 128.0	3.18	3.01	3.46	3.55
γ 129.0	3.25	3.08	3.57	3.64
γ 130.0	3.32	3.17	3.67	3.72
γ 131.0	3.41	3.26	3.77	3.81
γ 132.0	3.49	3.36	3.88	3.91
γ 133.0	3.59	3.45	3.99	4.01
γ 134.0	3.68	3.56	4.10	4.12
γ 135.0	3.79	3.67	4.23	4.23
γ 136.0	3.89	3.79	4.35	4.33
γ 137.0	4.00	3.90	4.48	4.46
γ 138.0	4.12	4.02	4.61	4.57
γ 139.0	4.23	4.15	4.74	4.69
γ 140.0	4.35	4.28	4.88	4.81

IES Indoor Report

Photometric Filename:MD10-13-XX-05 2700K RA90 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.47	4.40	5.01	4.94
γ 142.0	4.60	4.53	5.13	5.05
γ 143.0	4.74	4.65	5.26	5.18
γ 144.0	4.86	4.78	5.39	5.29
γ 145.0	5.00	4.91	5.53	5.43
γ 146.0	5.11	5.03	5.67	5.55
γ 147.0	5.26	5.16	5.79	5.67
γ 148.0	5.38	5.29	5.91	5.77
γ 149.0	5.51	5.40	6.03	5.90
γ 150.0	5.63	5.53	6.14	6.01
γ 151.0	5.76	5.65	6.27	6.11
γ 152.0	5.87	5.76	6.36	6.20
γ 153.0	5.99	5.88	6.45	6.30
γ 154.0	6.09	5.99	6.56	6.38
γ 155.0	6.19	6.09	6.64	6.48
γ 156.0	6.28	6.18	6.73	6.54
γ 157.0	6.38	6.26	6.80	6.61
γ 158.0	6.47	6.34	6.87	6.69
γ 159.0	6.54	6.42	6.93	6.76
γ 160.0	6.61	6.50	6.99	6.80
γ 161.0	6.68	6.55	7.03	6.85
γ 162.0	6.73	6.62	7.06	6.88
γ 163.0	6.80	6.69	7.10	6.92
γ 164.0	6.85	6.73	7.13	6.95
γ 165.0	6.89	6.76	7.15	6.99
γ 166.0	6.93	6.81	7.17	7.00
γ 167.0	6.98	6.85	7.19	7.03
γ 168.0	7.02	6.89	7.21	7.05
γ 169.0	7.07	6.90	7.24	7.09
γ 170.0	7.09	6.94	7.26	7.10
γ 171.0	7.12	6.97	7.28	7.13
γ 172.0	7.15	7.00	7.31	7.14
γ 173.0	7.20	7.03	7.32	7.15
γ 174.0	7.22	7.07	7.34	7.18
γ 175.0	7.25	7.11	7.35	7.20
γ 176.0	7.27	7.13	7.37	7.22
γ 177.0	7.30	7.16	7.38	7.24
γ 178.0	7.33	7.18	7.40	7.27
γ 179.0	7.36	7.21	7.41	7.26
γ 180.0	7.34	7.34	7.34	7.34