

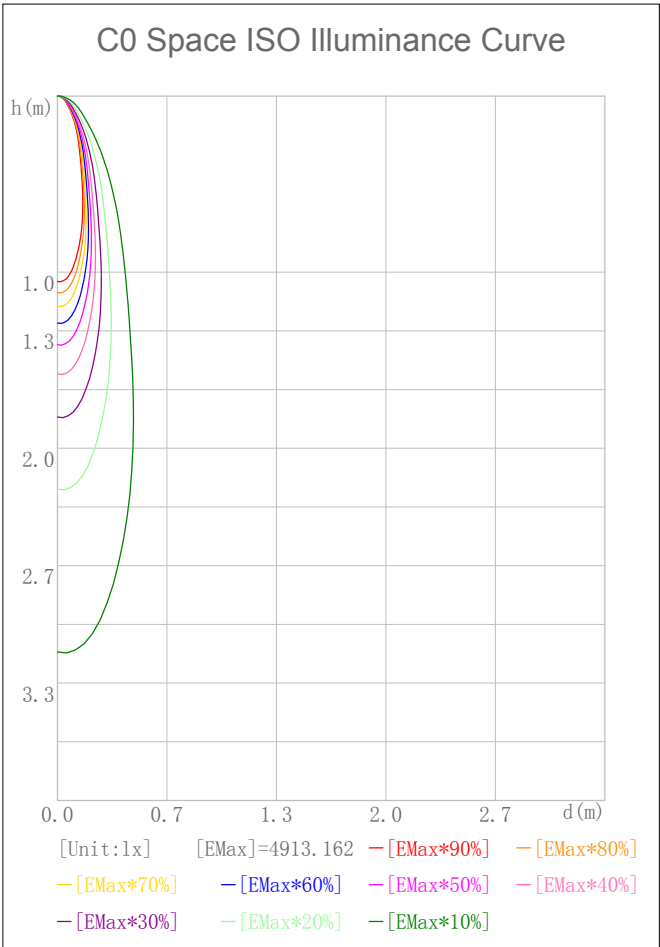
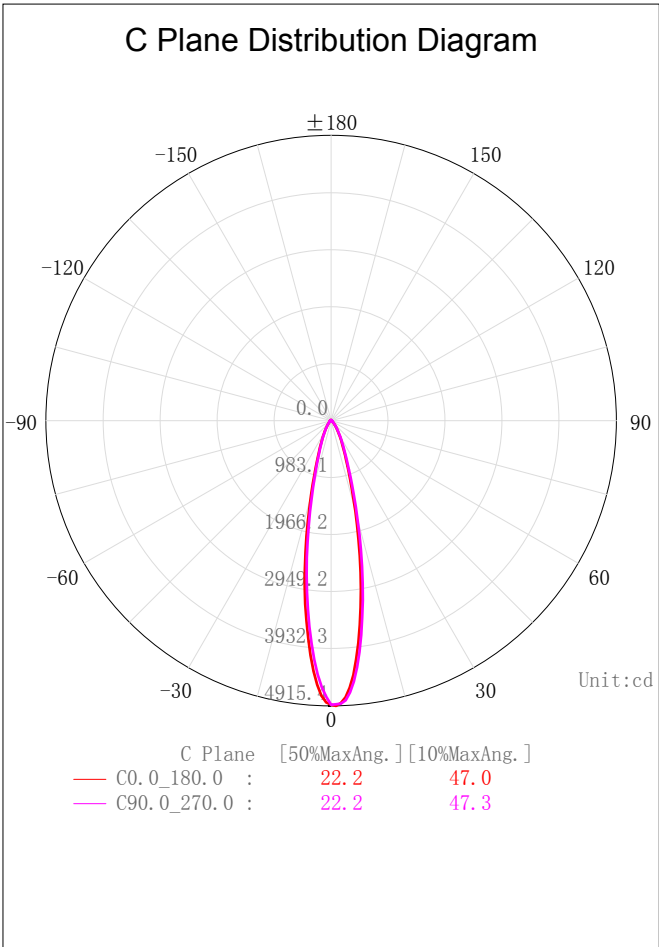
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/19
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*0.750m	Lum. Area (m2): 0.040	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): 1216.360	Luminary Flux(lm): 1216.364	Field Angle(10%Imax): 47.0(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1183.404lm 97.29%
Rated Voltage(V):	Luminary EER(lm/W): 97.154	Up Lumens&Percent: 32.960lm 2.71%
Tested Power(W): 12.520	Max. Candela(cd): 4915.407	S/MH: C0_a180=0.378 C90_270=0.377
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.1, 0.054, 0.951	Beam Angle(50%Imax): 22.2(°)	ErP Φ use(90°): 1113.357lm
Lamp Size(W*L*H): 0.050m*0.050m*0.750m	Left=-10.5°, Right=11.7°	IRF(%): 868.241



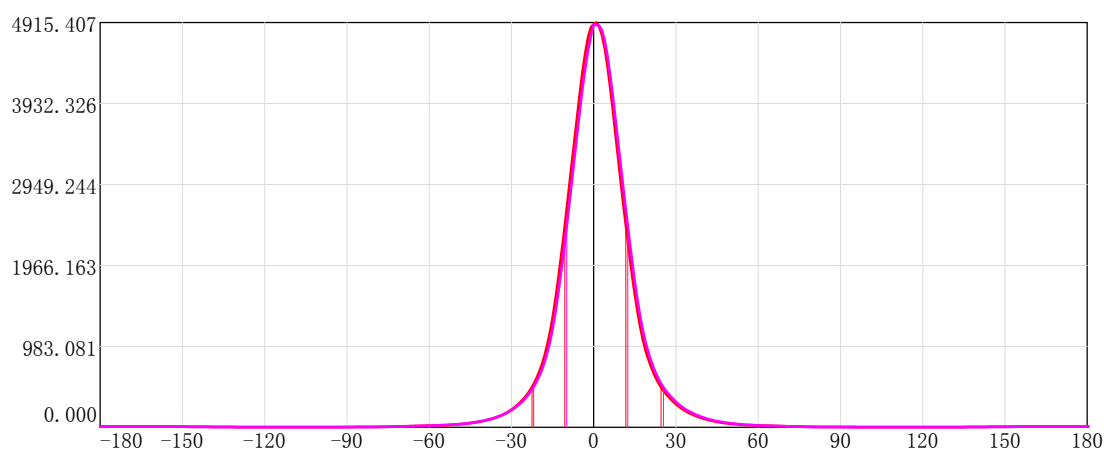
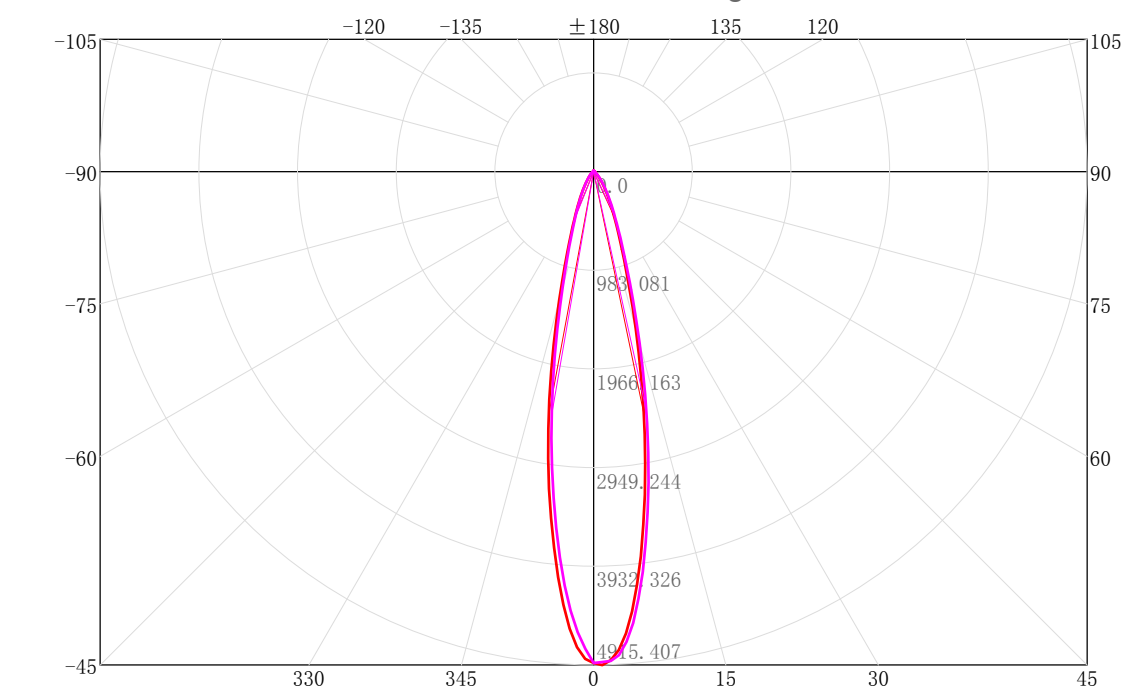
IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]
— C0.0_180.0 : 22.2 47.0
— C90.0_270.0 : 22.2 47.3

Unit:cd

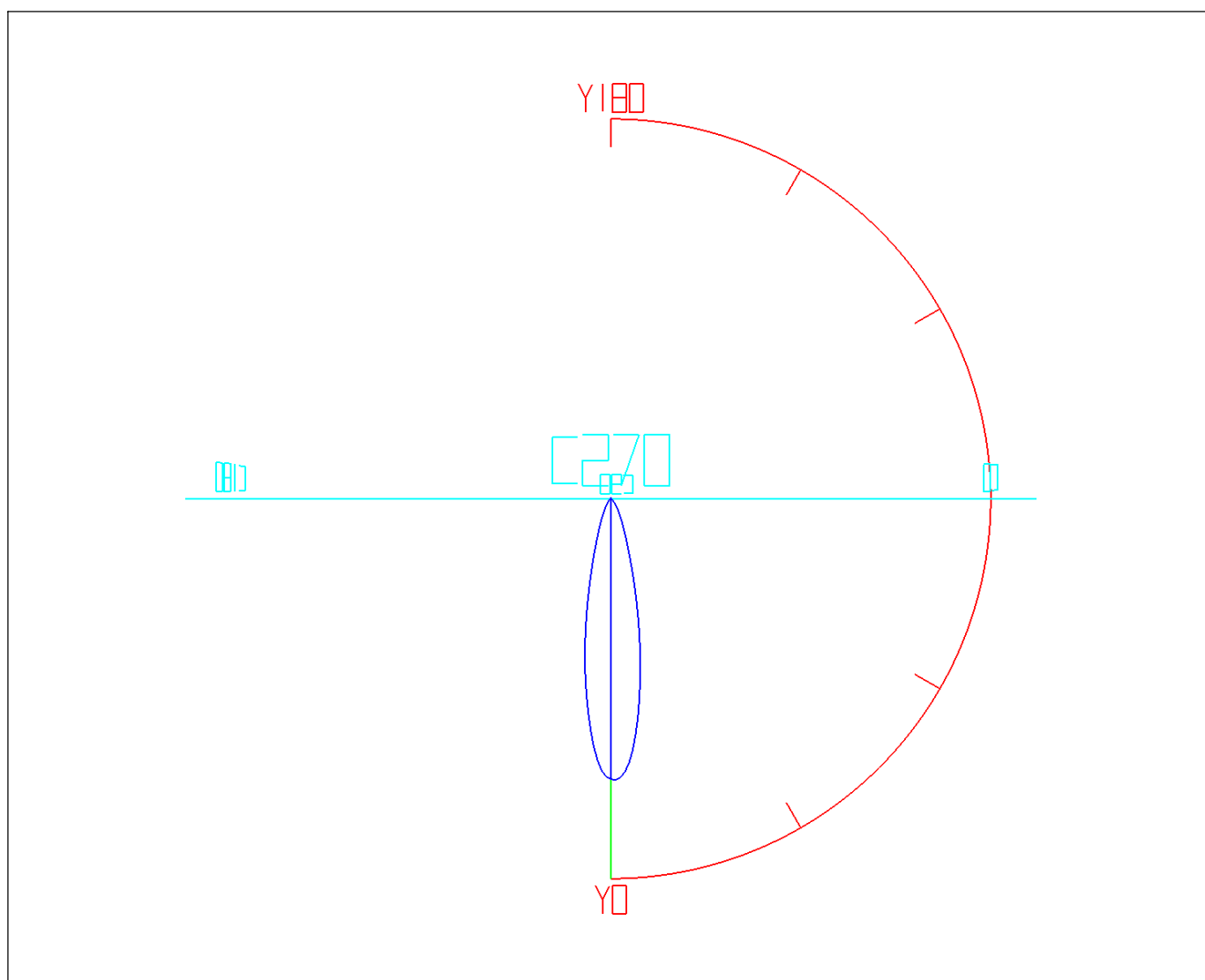
IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

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

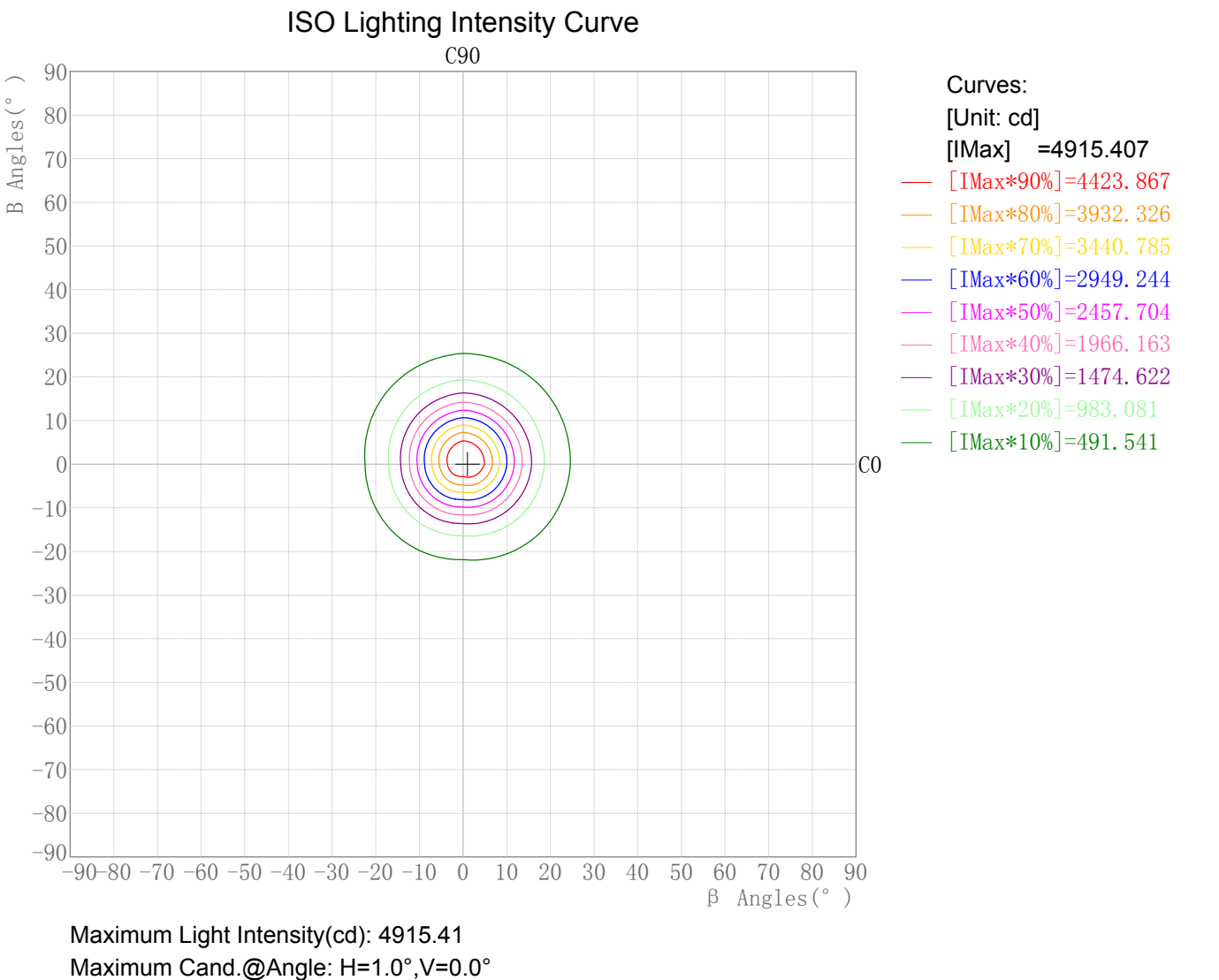
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	4.66	4.66	0.38	0.38	47.0-48.0	4.12	1114.21	0.34	91.60
1.0-2.0	13.81	18.47	1.14	1.52	48.0-49.0	3.87	1118.08	0.32	91.92
2.0-3.0	22.49	40.96	1.85	3.37	49.0-50.0	3.64	1121.72	0.30	92.22
3.0-4.0	30.37	71.33	2.50	5.86	50.0-51.0	3.44	1125.16	0.28	92.50
4.0-5.0	37.20	108.53	3.06	8.92	51.0-52.0	3.25	1128.40	0.27	92.77
5.0-6.0	42.79	151.32	3.52	12.44	52.0-53.0	3.07	1131.47	0.25	93.02
6.0-7.0	47.13	198.46	3.87	16.32	53.0-54.0	2.92	1134.39	0.24	93.26
7.0-8.0	50.25	248.70	4.13	20.45	54.0-55.0	2.77	1137.17	0.23	93.49
8.0-9.0	52.13	300.84	4.29	24.73	55.0-56.0	2.65	1139.81	0.22	93.71
9.0-10.0	52.89	353.73	4.35	29.08	56.0-57.0	2.53	1142.34	0.21	93.91
10.0-11.0	52.60	406.33	4.32	33.41	57.0-58.0	2.42	1144.76	0.20	94.11
11.0-12.0	51.33	457.66	4.22	37.63	58.0-59.0	2.32	1147.09	0.19	94.30
12.0-13.0	49.26	506.92	4.05	41.68	59.0-60.0	2.23	1149.31	0.18	94.49
13.0-14.0	46.59	553.51	3.83	45.51	60.0-61.0	2.14	1151.45	0.18	94.66
14.0-15.0	43.57	597.08	3.58	49.09	61.0-62.0	2.05	1153.50	0.17	94.83
15.0-16.0	40.40	637.48	3.32	52.41	62.0-63.0	1.97	1155.47	0.16	94.99
16.0-17.0	37.29	674.77	3.07	55.47	63.0-64.0	1.89	1157.36	0.16	95.15
17.0-18.0	34.36	709.13	2.82	58.30	64.0-65.0	1.81	1159.17	0.15	95.30
18.0-19.0	31.68	740.81	2.60	60.90	65.0-66.0	1.73	1160.90	0.14	95.44
19.0-20.0	29.28	770.09	2.41	63.31	66.0-67.0	1.65	1162.54	0.14	95.58
20.0-21.0	27.13	797.21	2.23	65.54	67.0-68.0	1.56	1164.11	0.13	95.70
21.0-22.0	25.19	822.41	2.07	67.61	68.0-69.0	1.48	1165.59	0.12	95.83
22.0-23.0	23.46	845.87	1.93	69.54	69.0-70.0	1.40	1166.98	0.11	95.94
23.0-24.0	21.88	867.75	1.80	71.34	70.0-71.0	1.32	1168.30	0.11	96.05
24.0-25.0	20.42	888.17	1.68	73.02	71.0-72.0	1.25	1169.56	0.10	96.15
25.0-26.0	19.08	907.25	1.57	74.59	72.0-73.0	1.19	1170.74	0.10	96.25
26.0-27.0	17.84	925.09	1.47	76.05	73.0-74.0	1.12	1171.86	0.09	96.34
27.0-28.0	16.67	941.77	1.37	77.42	74.0-75.0	1.05	1172.91	0.09	96.43
28.0-29.0	15.55	957.32	1.28	78.70	75.0-76.0	0.97	1173.89	0.08	96.51
29.0-30.0	14.49	971.81	1.19	79.89	76.0-77.0	0.90	1174.79	0.07	96.58
30.0-31.0	13.49	985.30	1.11	81.00	77.0-78.0	0.83	1175.62	0.07	96.65
31.0-32.0	12.56	997.86	1.03	82.04	78.0-79.0	0.78	1176.40	0.06	96.71
32.0-33.0	11.70	1009.56	0.96	83.00	79.0-80.0	0.74	1177.14	0.06	96.78
33.0-34.0	10.90	1020.46	0.90	83.89	80.0-81.0	0.71	1177.85	0.06	96.83
34.0-35.0	10.16	1030.62	0.84	84.73	81.0-82.0	0.69	1178.54	0.06	96.89
35.0-36.0	9.47	1040.10	0.78	85.51	82.0-83.0	0.67	1179.22	0.06	96.95
36.0-37.0	8.83	1048.93	0.73	86.23	83.0-84.0	0.65	1179.87	0.05	97.00
37.0-38.0	8.23	1057.15	0.68	86.91	84.0-85.0	0.63	1180.50	0.05	97.05
38.0-39.0	7.67	1064.82	0.63	87.54	85.0-86.0	0.62	1181.12	0.05	97.10
39.0-40.0	7.14	1071.96	0.59	88.13	86.0-87.0	0.60	1181.72	0.05	97.15
40.0-41.0	6.65	1078.61	0.55	88.68	87.0-88.0	0.58	1182.30	0.05	97.20
41.0-42.0	6.20	1084.81	0.51	89.18	88.0-89.0	0.56	1182.86	0.05	97.25
42.0-43.0	5.77	1090.58	0.47	89.66	89.0-90.0	0.55	1183.40	0.05	97.29
43.0-44.0	5.39	1095.97	0.44	90.10	90.0-91.0	0.54	1183.94	0.04	97.33
44.0-45.0	5.03	1101.00	0.41	90.52	91.0-92.0	0.53	1184.47	0.04	97.38
45.0-46.0	4.70	1105.70	0.39	90.90	92.0-93.0	0.51	1184.98	0.04	97.42
46.0-47.0	4.39	1110.09	0.36	91.26	93.0-94.0	0.50	1185.48	0.04	97.46

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	0.49	1185.97	0.04	97.50	141.0-142.0	0.45	1204.41	0.04	99.02
95.0-96.0	0.48	1186.45	0.04	97.54	142.0-143.0	0.46	1204.87	0.04	99.06
96.0-97.0	0.47	1186.91	0.04	97.58	143.0-144.0	0.47	1205.34	0.04	99.09
97.0-98.0	0.46	1187.37	0.04	97.62	144.0-145.0	0.47	1205.81	0.04	99.13
98.0-99.0	0.45	1187.82	0.04	97.65	145.0-146.0	0.48	1206.29	0.04	99.17
99.0-100.0	0.44	1188.27	0.04	97.69	146.0-147.0	0.48	1206.76	0.04	99.21
100.0-101.0	0.44	1188.70	0.04	97.73	147.0-148.0	0.48	1207.24	0.04	99.25
101.0-102.0	0.43	1189.13	0.04	97.76	148.0-149.0	0.48	1207.72	0.04	99.29
102.0-103.0	0.42	1189.55	0.03	97.80	149.0-150.0	0.48	1208.20	0.04	99.33
103.0-104.0	0.42	1189.96	0.03	97.83	150.0-151.0	0.47	1208.67	0.04	99.37
104.0-105.0	0.41	1190.37	0.03	97.86	151.0-152.0	0.47	1209.14	0.04	99.41
105.0-106.0	0.40	1190.78	0.03	97.90	152.0-153.0	0.46	1209.60	0.04	99.44
106.0-107.0	0.40	1191.18	0.03	97.93	153.0-154.0	0.45	1210.05	0.04	99.48
107.0-108.0	0.40	1191.58	0.03	97.96	154.0-155.0	0.44	1210.50	0.04	99.52
108.0-109.0	0.39	1191.97	0.03	97.99	155.0-156.0	0.43	1210.93	0.04	99.55
109.0-110.0	0.39	1192.36	0.03	98.03	156.0-157.0	0.42	1211.35	0.03	99.59
110.0-111.0	0.38	1192.74	0.03	98.06	157.0-158.0	0.41	1211.76	0.03	99.62
111.0-112.0	0.38	1193.11	0.03	98.09	158.0-159.0	0.39	1212.15	0.03	99.65
112.0-113.0	0.37	1193.49	0.03	98.12	159.0-160.0	0.38	1212.53	0.03	99.69
113.0-114.0	0.37	1193.86	0.03	98.15	160.0-161.0	0.36	1212.90	0.03	99.72
114.0-115.0	0.36	1194.22	0.03	98.18	161.0-162.0	0.35	1213.25	0.03	99.74
115.0-116.0	0.36	1194.58	0.03	98.21	162.0-163.0	0.33	1213.58	0.03	99.77
116.0-117.0	0.36	1194.93	0.03	98.24	163.0-164.0	0.32	1213.89	0.03	99.80
117.0-118.0	0.35	1195.29	0.03	98.27	164.0-165.0	0.30	1214.19	0.02	99.82
118.0-119.0	0.35	1195.64	0.03	98.30	165.0-166.0	0.28	1214.47	0.02	99.84
119.0-120.0	0.35	1195.99	0.03	98.33	166.0-167.0	0.26	1214.73	0.02	99.87
120.0-121.0	0.35	1196.34	0.03	98.35	167.0-168.0	0.24	1214.97	0.02	99.89
121.0-122.0	0.35	1196.69	0.03	98.38	168.0-169.0	0.22	1215.20	0.02	99.90
122.0-123.0	0.35	1197.04	0.03	98.41	169.0-170.0	0.20	1215.40	0.02	99.92
123.0-124.0	0.35	1197.39	0.03	98.44	170.0-171.0	0.18	1215.58	0.02	99.94
124.0-125.0	0.35	1197.73	0.03	98.47	171.0-172.0	0.16	1215.75	0.01	99.95
125.0-126.0	0.35	1198.08	0.03	98.50	172.0-173.0	0.14	1215.89	0.01	99.96
126.0-127.0	0.35	1198.43	0.03	98.53	173.0-174.0	0.13	1216.02	0.01	99.97
127.0-128.0	0.35	1198.78	0.03	98.55	174.0-175.0	0.11	1216.12	0.01	99.98
128.0-129.0	0.36	1199.14	0.03	98.58	175.0-176.0	0.09	1216.21	0.01	99.99
129.0-130.0	0.36	1199.50	0.03	98.61	176.0-177.0	0.07	1216.28	0.01	99.99
130.0-131.0	0.37	1199.87	0.03	98.64	177.0-178.0	0.05	1216.33	0.00	100.00
131.0-132.0	0.37	1200.24	0.03	98.67	178.0-179.0	0.03	1216.35	0.00	100.00
132.0-133.0	0.38	1200.62	0.03	98.71	179.0-180.0	0.01	1216.36	0.00	100.00
133.0-134.0	0.39	1201.01	0.03	98.74					
134.0-135.0	0.40	1201.40	0.03	98.77					
135.0-136.0	0.40	1201.80	0.03	98.80					
136.0-137.0	0.41	1202.22	0.03	98.84					
137.0-138.0	0.42	1202.64	0.03	98.87					
138.0-139.0	0.43	1203.07	0.04	98.91					
139.0-140.0	0.44	1203.51	0.04	98.94					
140.0-141.0	0.45	1203.96	0.04	98.98					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19



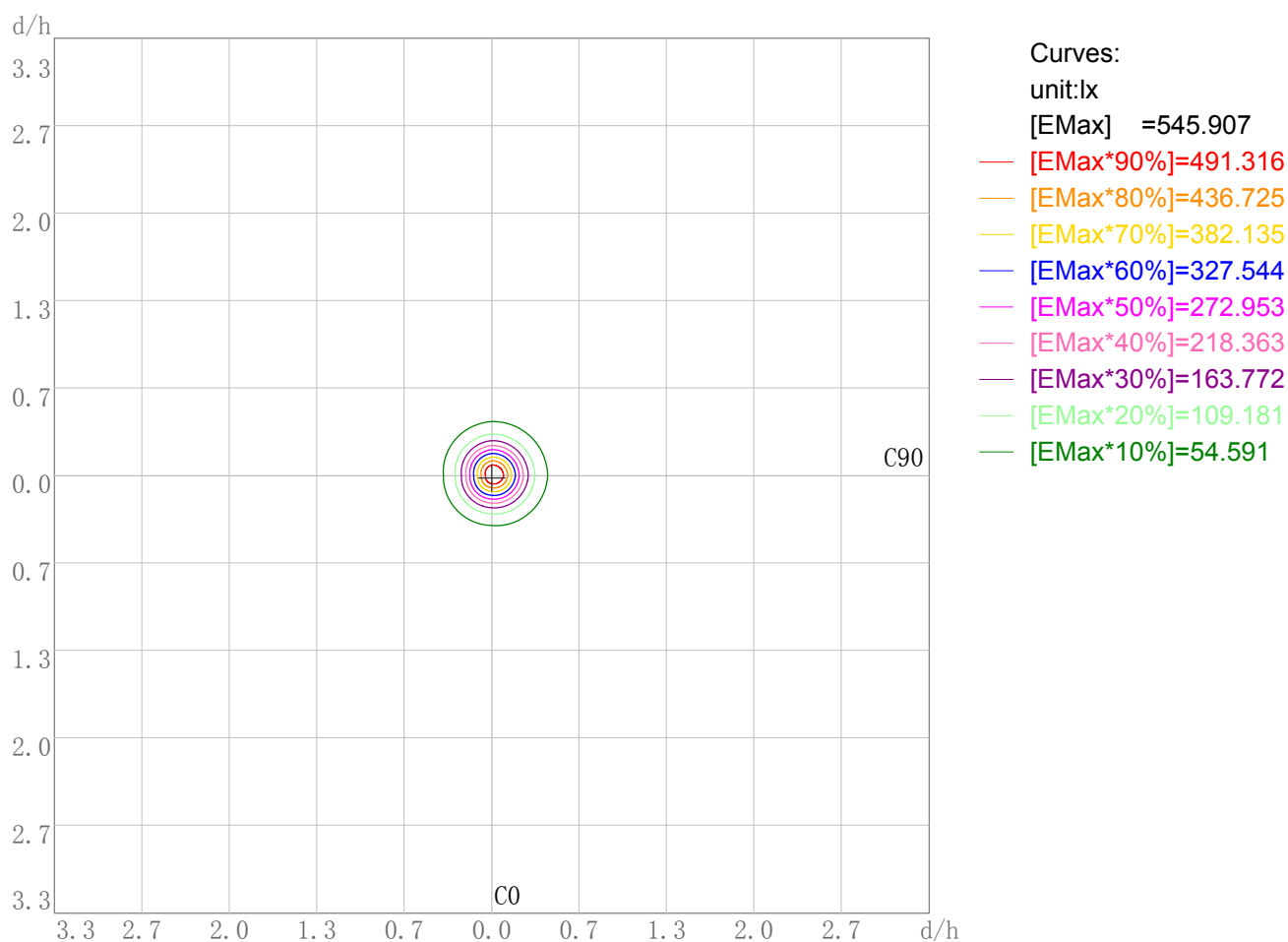
IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 545.91

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

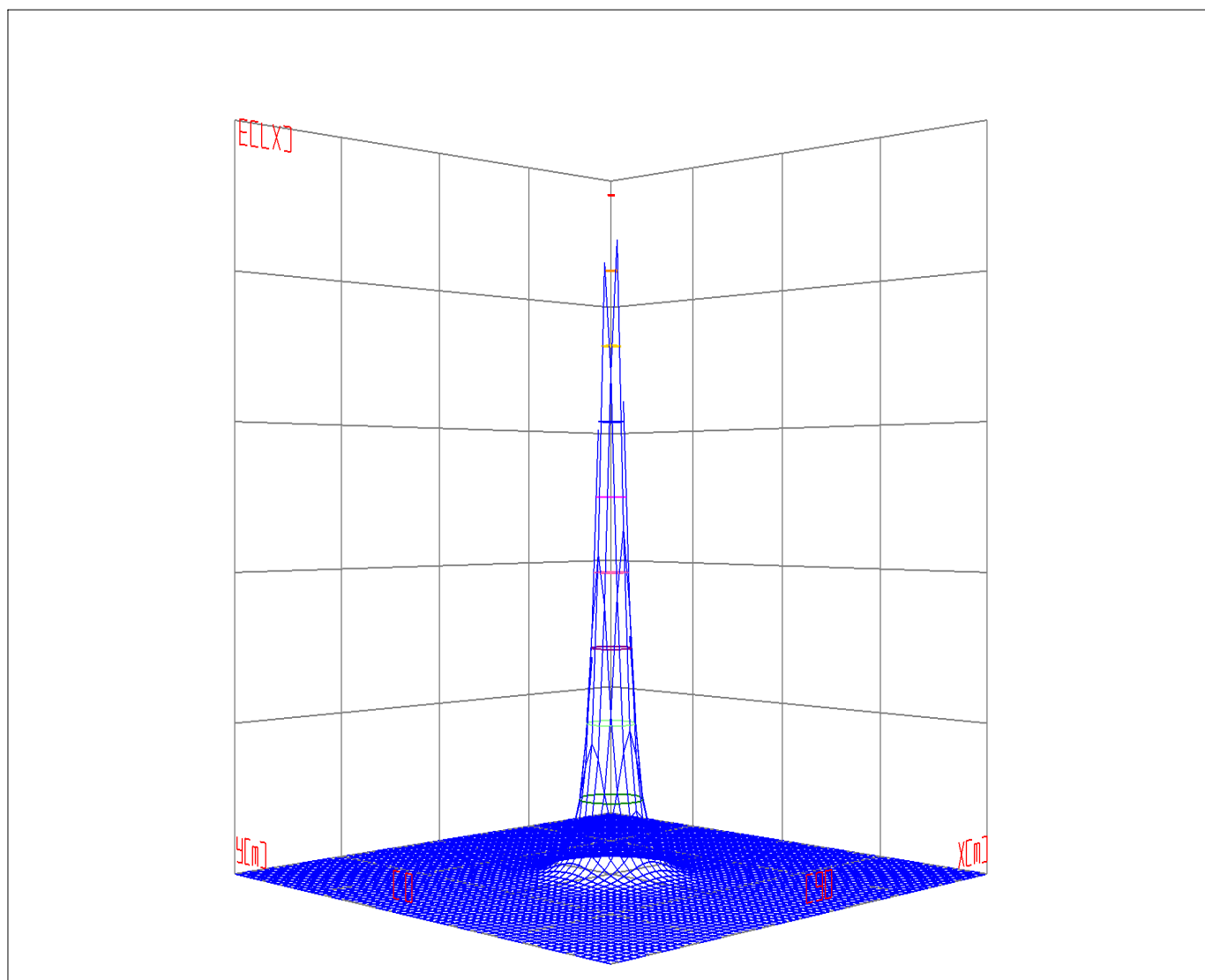
IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

3D Plane Illuminance Modal

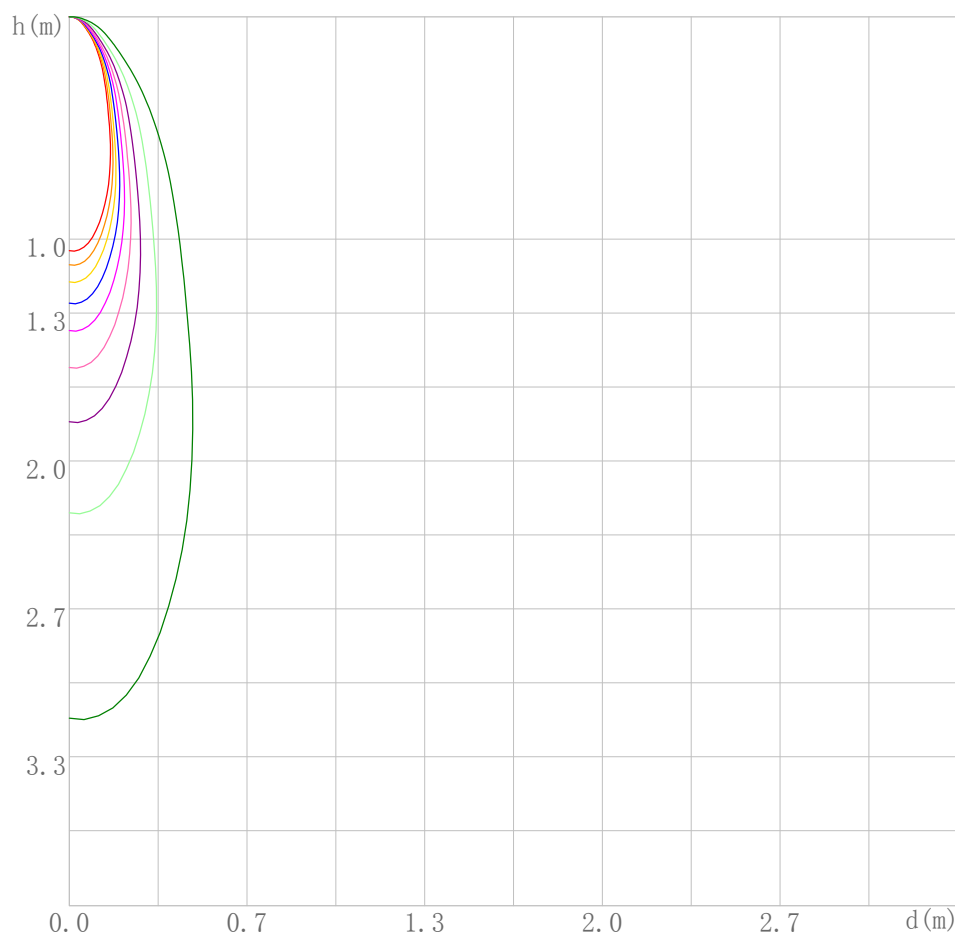


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =4913.162

— [EMax*90%]=4421.845

— [EMax*80%]=3930.529

— [EMax*70%]=3439.213

— [EMax*60%]=2947.897

— [EMax*50%]=2456.581

— [EMax*40%]=1965.265

— [EMax*30%]=1473.948

— [EMax*20%]=982.632

— [EMax*10%]=491.316

Space Plane Maximum Illuminance and @Angle:4913.16lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:4915.407cd,0deg

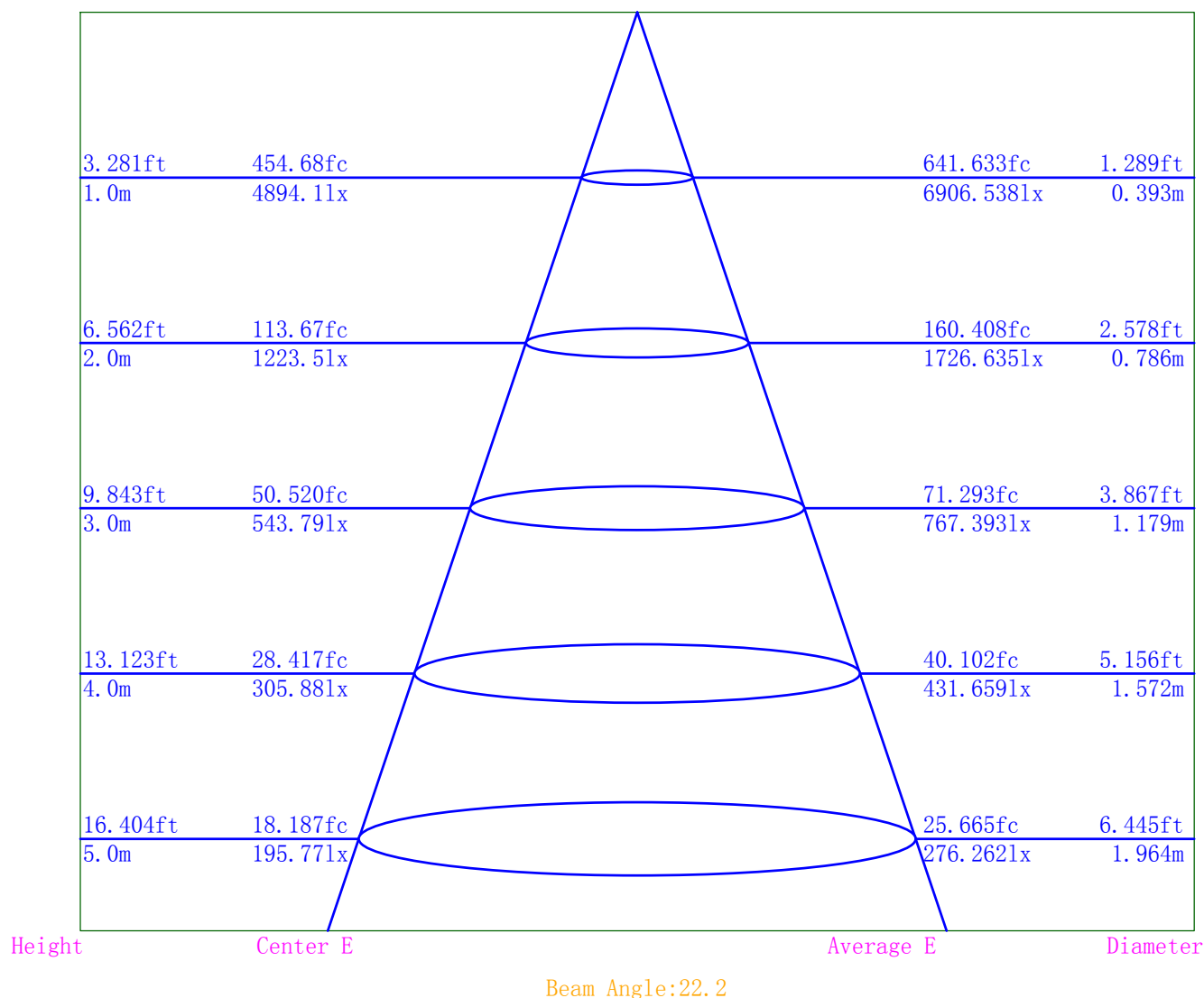
IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

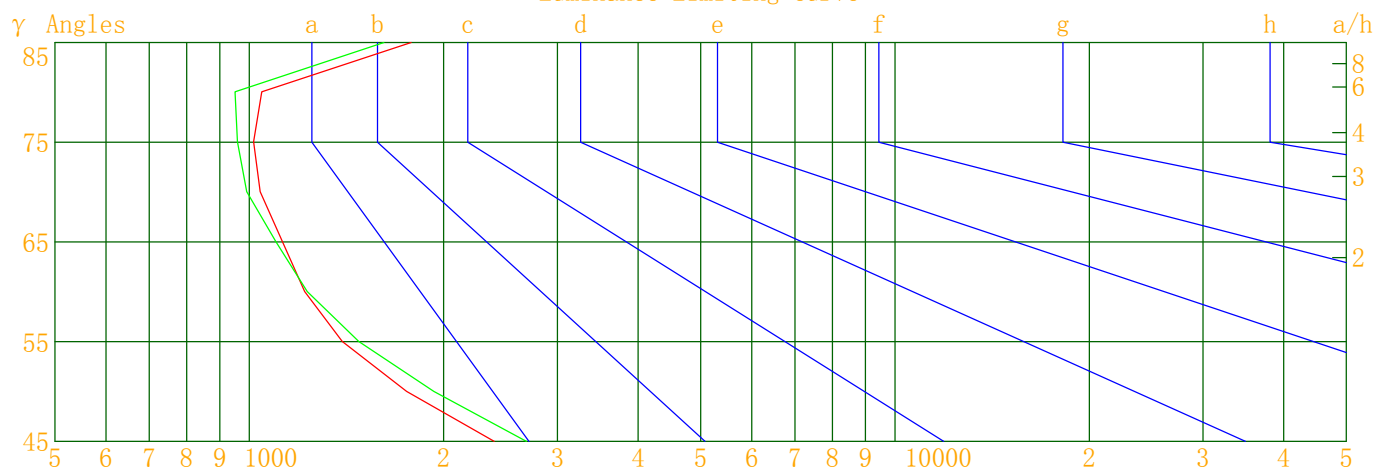
Glare Grade Table

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	2395	1753	1393	1218	1125	1039	1015	1045	1781
C90	2686	1931	1477	1229	1099	991	958	950	1616

Luminance Limiting Curve



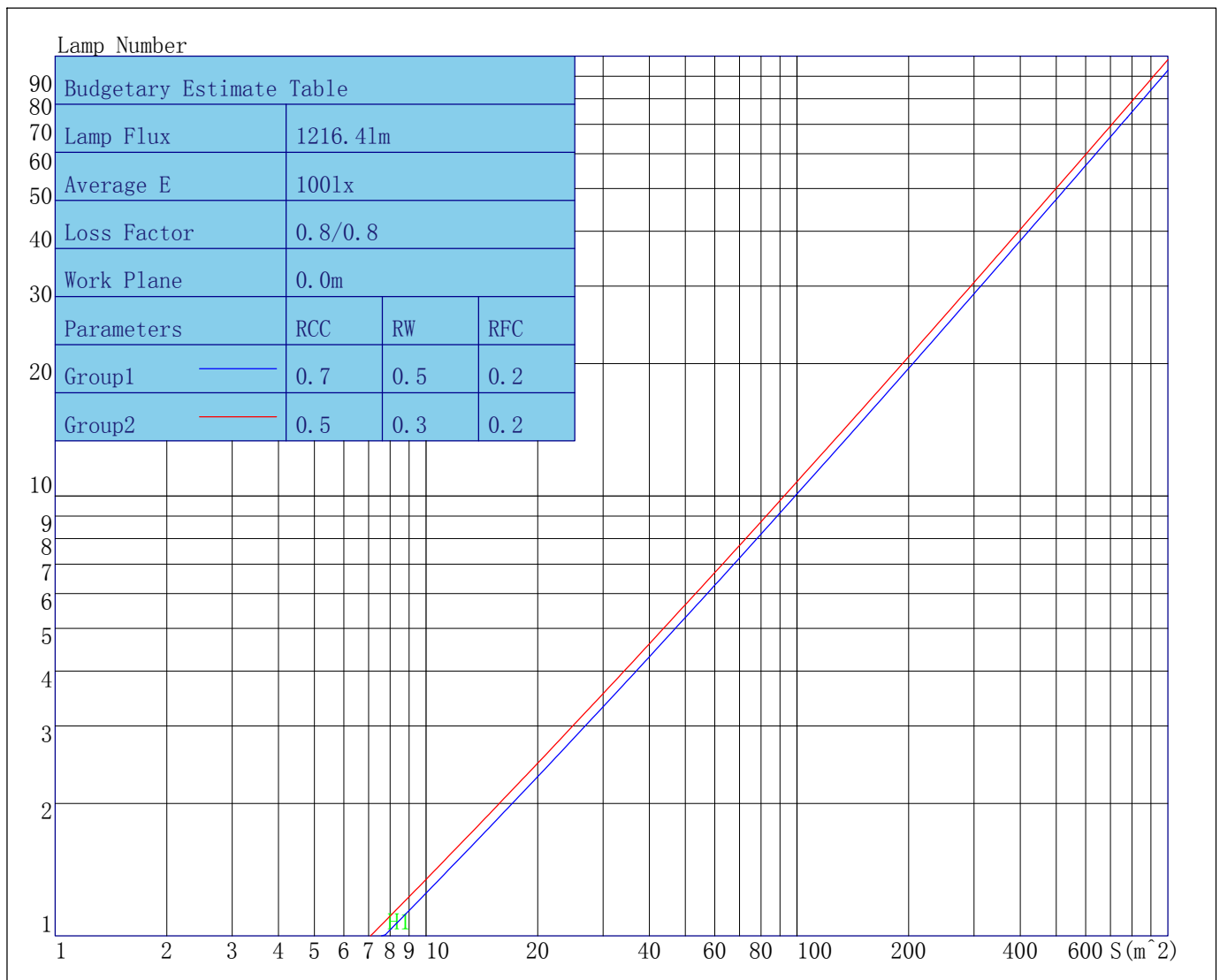
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m^2)=0.040000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19



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

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID; Lamp Name, Lamp Catalog, Test Lab; Manufacture, Test Machine, Test Date.

Table with 7 columns: Coef., Effective Floor Cavity Reflectance RFC=0.20, RhoCC (%), RhoW (%), RCR, Coefficient of Utilization(%), and numerical data rows for RCR values 0-10.

Unified Glare Rating Table

Lum. Name: MD10-13-XX-01 3000K 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: 2019/12/19

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	9.6	10.5	10.0	10.9	11.3	9.9	10.9	10.3	11.2	11.6
	10.2	11.0	10.6	11.4	11.9	10.4	11.3	10.8	11.6	12.1
	10.5	11.3	10.9	11.7	12.1	10.7	11.4	11.1	11.9	12.3
	10.8	11.5	11.2	11.9	12.4	10.9	11.6	11.4	12.0	12.5
	10.9	11.6	11.4	12.1	12.5	11.0	11.7	11.5	12.1	12.6
	11.2	11.8	11.7	12.3	12.8	11.2	11.9	11.7	12.3	12.8
X=4H Y=2H	9.7	10.5	10.1	10.9	11.3	10.0	10.8	10.4	11.2	11.6
	10.5	11.1	11.0	11.6	12.1	10.7	11.3	11.1	11.8	12.3
	10.9	11.5	11.4	12.0	12.5	11.0	11.6	11.5	12.1	12.6
	11.4	11.8	11.9	12.3	12.9	11.4	11.9	11.9	12.4	12.9
	11.6	12.1	12.1	12.6	13.1	11.6	12.1	12.1	12.6	13.1
	12.0	12.4	12.5	12.9	13.5	11.9	12.3	12.5	12.8	13.4
X=8H Y=4H	11.0	11.5	11.6	12.0	12.5	11.1	11.6	11.6	12.1	12.6
	11.6	12.0	12.2	12.5	13.1	11.6	12.0	12.2	12.5	13.1
	12.0	12.3	12.6	12.9	13.5	11.9	12.3	12.5	12.8	13.4
	12.6	12.9	13.2	13.4	14.0	12.4	12.7	13.0	13.3	13.9
X=12H Y=4H	11.0	11.4	11.6	11.9	12.5	11.1	11.5	11.6	12.0	12.6
	11.7	12.0	12.2	12.5	13.1	11.7	12.0	12.2	12.5	13.1
	12.1	12.4	12.7	13.0	13.6	12.1	12.3	12.6	12.9	13.5
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.1					0.3/-0.2				
S=1.5H	0.4/-0.4					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	2.2					1.9				

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	4894.14	4894.14	4894.14	4894.14
γ 1.0	4915.41	4886.34	4854.57	4753.64
γ 2.0	4868.30	4877.24	4740.37	4589.98
γ 3.0	4772.01	4823.16	4557.43	4379.66
γ 4.0	4610.54	4695.09	4325.55	4132.70
γ 5.0	4398.25	4513.21	4056.26	3857.23
γ 6.0	4136.50	4274.99	3767.04	3567.03
γ 7.0	3859.99	4017.39	3477.36	3274.39
γ 8.0	3555.74	3728.67	3191.25	2977.78
γ 9.0	3258.52	3435.24	2894.68	2687.68
γ 10.0	2957.98	3145.26	2601.55	2398.75
γ 11.0	2667.97	2851.98	2310.39	2122.55
γ 12.0	2381.39	2563.21	2031.27	1855.12
γ 13.0	2107.34	2283.14	1772.24	1608.56
γ 14.0	1852.84	2017.52	1535.09	1384.28
γ 15.0	1620.00	1767.22	1321.60	1195.52
γ 16.0	1408.96	1540.48	1141.01	1034.56
γ 17.0	1222.97	1341.15	988.67	900.49
γ 18.0	1065.21	1170.46	858.63	787.57
γ 19.0	933.22	1025.18	751.40	691.49
γ 20.0	824.49	901.98	659.56	610.95
γ 21.0	729.82	798.10	582.72	543.18
γ 22.0	650.55	709.24	516.76	484.29
γ 23.0	581.50	634.48	460.88	434.87
γ 24.0	520.82	568.18	411.48	390.64
γ 25.0	468.82	511.17	369.14	352.38
γ 26.0	423.83	460.45	331.27	316.86
γ 27.0	383.46	417.86	297.55	285.64
γ 28.0	347.20	378.89	267.12	256.53
γ 29.0	314.00	343.00	239.84	231.36
γ 30.0	283.61	309.93	215.84	209.14
γ 31.0	256.21	280.60	194.00	189.43
γ 32.0	231.87	254.86	174.67	171.70
γ 33.0	210.51	231.63	157.59	155.83
γ 34.0	191.13	210.42	142.68	141.45
γ 35.0	173.68	191.40	129.46	128.60
γ 36.0	158.02	174.53	117.39	116.94
γ 37.0	143.59	159.12	106.63	106.89
γ 38.0	130.42	144.84	96.99	97.60
γ 39.0	118.82	131.71	88.58	89.39
γ 40.0	108.07	119.67	80.96	81.89
γ 41.0	98.35	108.98	74.21	75.14
γ 42.0	89.34	99.28	67.88	68.98
γ 43.0	81.42	90.59	62.15	63.61
γ 44.0	74.24	82.92	57.10	58.73
γ 45.0	67.75	75.97	52.48	54.45
γ 46.0	62.07	69.17	48.31	50.36

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	57.11	63.54	44.57	46.68
γ 48.0	52.61	58.38	41.37	43.39
γ 49.0	48.54	53.87	38.39	40.33
γ 50.0	45.06	49.65	35.78	37.66
γ 51.0	41.71	46.00	33.49	35.43
γ 52.0	38.74	42.43	31.50	33.24
γ 53.0	36.30	39.27	29.68	31.46
γ 54.0	33.98	36.34	28.10	29.63
γ 55.0	31.95	33.90	26.68	28.05
γ 56.0	30.10	31.62	25.32	26.59
γ 57.0	28.41	29.60	24.20	25.39
γ 58.0	27.03	27.64	23.13	24.15
γ 59.0	25.64	26.09	22.08	22.99
γ 60.0	24.36	24.58	21.05	21.80
γ 61.0	23.26	23.17	20.14	20.83
γ 62.0	22.10	21.88	19.16	19.82
γ 63.0	21.05	20.71	18.24	18.90
γ 64.0	20.07	19.55	17.50	17.97
γ 65.0	19.02	18.58	16.60	16.92
γ 66.0	18.11	17.59	15.73	15.98
γ 67.0	17.09	16.58	14.81	15.05
γ 68.0	16.22	15.57	14.05	14.05
γ 69.0	15.11	14.76	12.95	13.32
γ 70.0	14.22	13.56	12.19	12.55
γ 71.0	13.47	12.75	11.56	11.89
γ 72.0	12.73	12.05	10.84	11.13
γ 73.0	11.98	11.45	10.20	10.44
γ 74.0	11.34	10.66	9.48	9.75
γ 75.0	10.51	9.92	8.74	8.89
γ 76.0	9.77	9.37	7.99	8.20
γ 77.0	8.98	8.61	7.17	7.55
γ 78.0	8.10	7.74	6.64	7.35
γ 79.0	7.51	7.04	6.38	7.10
γ 80.0	7.26	6.60	6.19	6.86
γ 81.0	7.02	6.30	6.00	6.62
γ 82.0	6.74	6.19	5.79	6.42
γ 83.0	6.57	5.99	5.64	6.19
γ 84.0	6.31	5.73	5.43	6.01
γ 85.0	6.21	5.63	5.29	5.85
γ 86.0	6.01	5.41	5.08	5.63
γ 87.0	5.80	5.33	4.99	5.38
γ 88.0	5.65	5.07	4.74	5.33
γ 89.0	5.41	4.89	4.62	5.23
γ 90.0	5.32	4.83	4.55	5.12
γ 91.0	5.25	4.74	4.50	4.92
γ 92.0	5.15	4.63	4.34	4.79
γ 93.0	4.99	4.45	4.16	4.76

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.88	4.46	4.16	4.61
γ 95.0	4.87	4.30	4.04	4.52
γ 96.0	4.74	4.25	4.00	4.38
γ 97.0	4.65	4.12	3.85	4.29
γ 98.0	4.59	4.06	3.84	4.24
γ 99.0	4.52	4.05	3.79	4.21
γ 100.0	4.47	3.97	3.77	4.11
γ 101.0	4.41	3.90	3.67	4.02
γ 102.0	4.38	3.88	3.60	3.94
γ 103.0	4.27	3.85	3.58	3.95
γ 104.0	4.23	3.78	3.53	3.97
γ 105.0	4.21	3.83	3.50	3.84
γ 106.0	4.08	3.77	3.48	3.92
γ 107.0	4.07	3.80	3.53	3.90
γ 108.0	4.08	3.68	3.51	3.88
γ 109.0	3.98	3.69	3.46	3.82
γ 110.0	3.99	3.64	3.43	3.86
γ 111.0	3.94	3.59	3.40	3.80
γ 112.0	3.95	3.57	3.49	3.81
γ 113.0	3.90	3.59	3.44	3.83
γ 114.0	3.80	3.54	3.39	3.76
γ 115.0	3.79	3.48	3.44	3.82
γ 116.0	3.74	3.48	3.48	3.88
γ 117.0	3.75	3.40	3.53	3.85
γ 118.0	3.71	3.43	3.58	3.90
γ 119.0	3.66	3.32	3.66	3.98
γ 120.0	3.69	3.43	3.64	3.94
γ 121.0	3.70	3.46	3.79	4.02
γ 122.0	3.74	3.43	3.72	4.09
γ 123.0	3.68	3.51	3.84	4.12
γ 124.0	3.71	3.46	3.88	4.14
γ 125.0	3.71	3.52	3.96	4.17
γ 126.0	3.79	3.49	4.01	4.34
γ 127.0	3.84	3.57	4.14	4.43
γ 128.0	3.95	3.75	4.30	4.59
γ 129.0	3.99	3.76	4.39	4.67
γ 130.0	4.07	3.84	4.56	4.79
γ 131.0	4.19	3.94	4.77	5.00
γ 132.0	4.35	4.04	4.89	5.12
γ 133.0	4.44	4.23	5.09	5.39
γ 134.0	4.67	4.43	5.26	5.54
γ 135.0	4.81	4.54	5.48	5.74
γ 136.0	4.97	4.74	5.72	5.96
γ 137.0	5.18	4.97	5.99	6.22
γ 138.0	5.49	5.15	6.22	6.39
γ 139.0	5.61	5.37	6.50	6.68
γ 140.0	5.89	5.63	6.70	6.98

IES Indoor Report

Photometric Filename:MD10-13-XX-01 3000K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.09	5.75	6.97	7.17
γ 142.0	6.32	6.02	7.22	7.44
γ 143.0	6.67	6.34	7.47	7.75
γ 144.0	6.94	6.63	7.75	7.92
γ 145.0	7.15	6.84	8.01	8.23
γ 146.0	7.32	7.07	8.31	8.44
γ 147.0	7.62	7.31	8.51	8.52
γ 148.0	7.92	7.57	8.70	8.85
γ 149.0	8.08	7.87	8.88	8.98
γ 150.0	8.34	8.05	9.11	9.18
γ 151.0	8.59	8.23	9.24	9.35
γ 152.0	8.76	8.42	9.44	9.43
γ 153.0	8.92	8.63	9.62	9.56
γ 154.0	9.15	8.79	9.72	9.79
γ 155.0	9.26	8.89	9.86	9.78
γ 156.0	9.41	9.08	9.97	9.79
γ 157.0	9.55	9.23	10.07	9.90
γ 158.0	9.72	9.27	10.14	10.07
γ 159.0	9.80	9.41	10.18	10.01
γ 160.0	9.92	9.46	10.20	10.06
γ 161.0	9.91	9.58	10.27	10.16
γ 162.0	10.01	9.69	10.35	10.18
γ 163.0	10.16	9.77	10.41	10.17
γ 164.0	10.17	9.81	10.38	10.18
γ 165.0	10.15	9.87	10.42	10.13
γ 166.0	10.22	9.89	10.43	10.20
γ 167.0	10.22	9.94	10.48	10.13
γ 168.0	10.23	9.97	10.37	10.09
γ 169.0	10.27	10.02	10.38	10.04
γ 170.0	10.27	10.05	10.35	10.01
γ 171.0	10.27	9.95	10.33	9.99
γ 172.0	10.26	10.08	10.29	9.93
γ 173.0	10.20	10.00	10.33	9.88
γ 174.0	10.22	10.01	10.20	9.98
γ 175.0	10.18	9.97	10.15	9.91
γ 176.0	10.19	9.96	10.24	9.87
γ 177.0	10.16	9.97	10.18	9.96
γ 178.0	10.14	10.05	10.15	10.02
γ 179.0	10.21	9.94	10.19	9.97
γ 180.0	10.14	10.14	10.14	10.14