

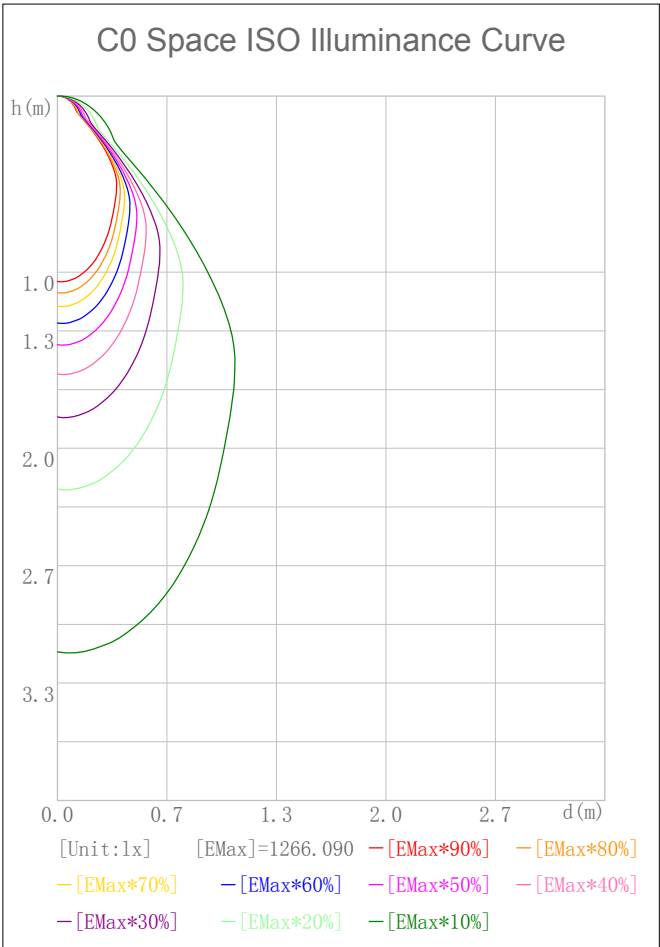
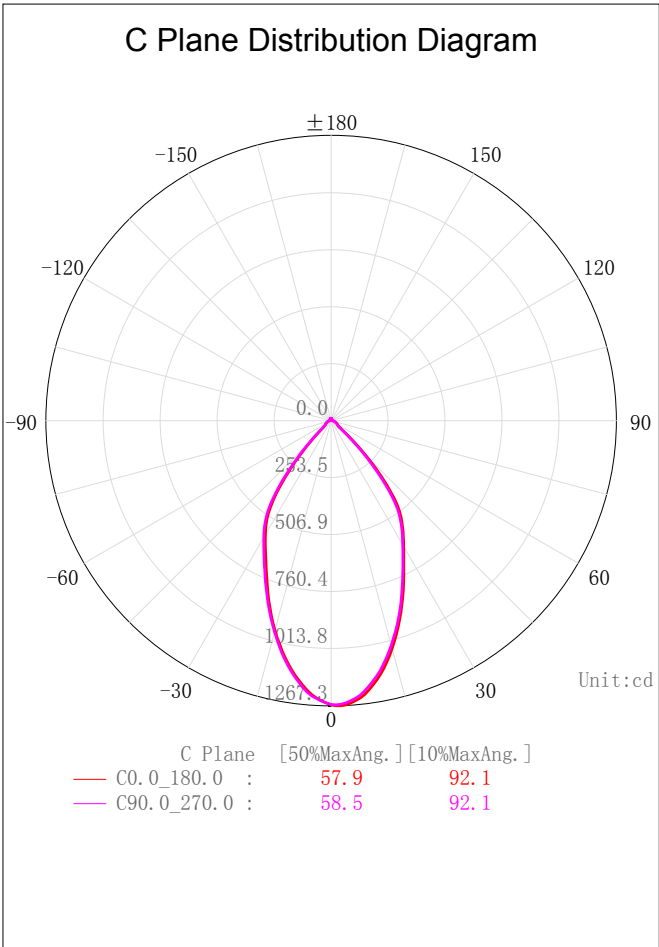
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-02 4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/23
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(%):

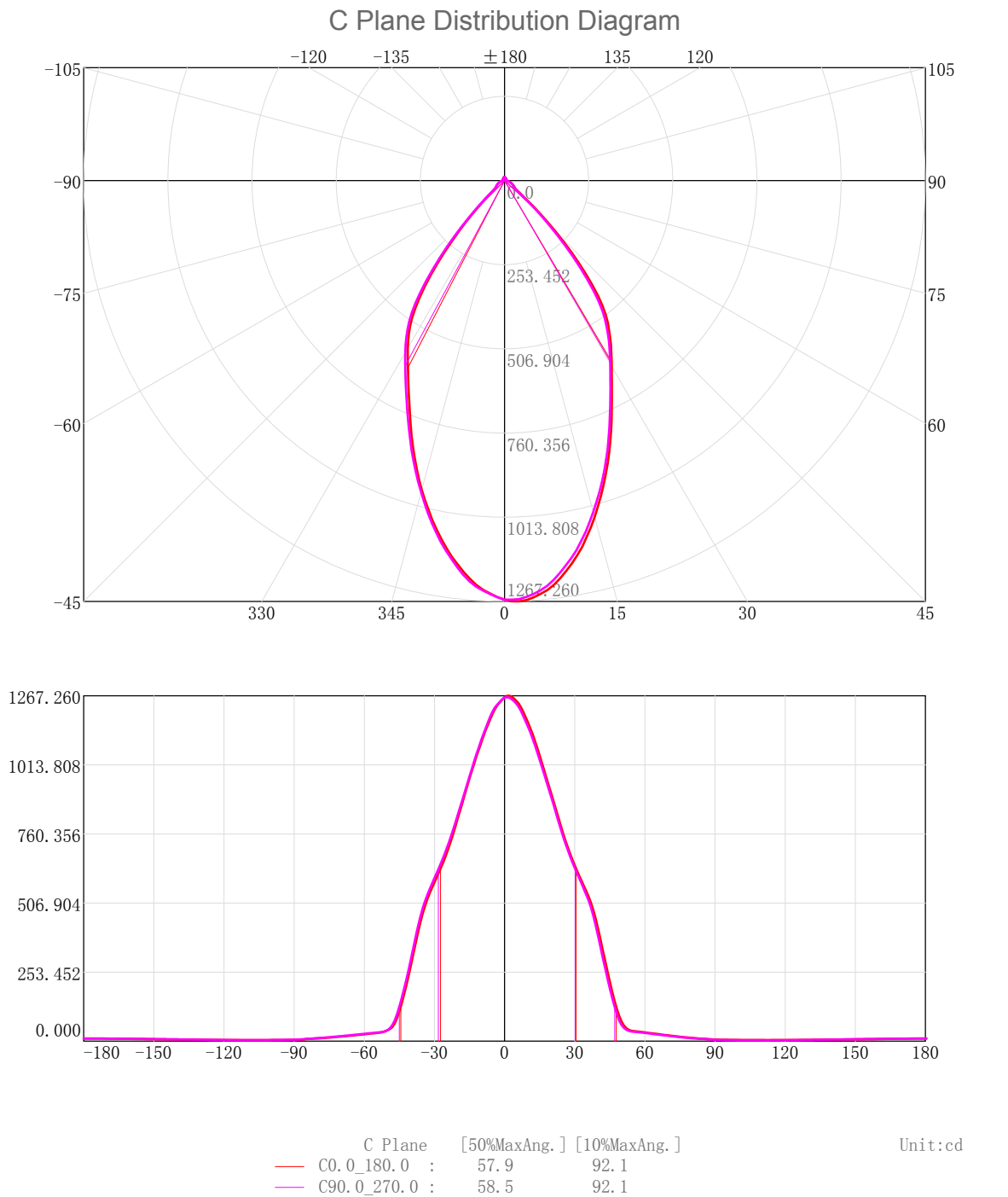
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1286.070	Luminary Flux(lm): 1286.067	Field Angle(10%Imax): 92.1(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1251.289lm 97.30%
Rated Voltage(V):	Luminary EER(lm/W): 103.548	Up Lumens&Percent: 34.779lm 2.70%
Tested Power(W): 12.420	Max. Candela(cd): 1267.260	S/MH: C0_a180=0.820 C90_270=0.821
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.3, 0.054	Beam Angle(50%Imax): 57.9(°)	ErP Φ use(90°): 1126.119lm
Lamp Size (W*L*H): 0.050m*0.050m*0.750m	Left=-27.4°, Right=30.6°	IRF(%): 215.995



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23



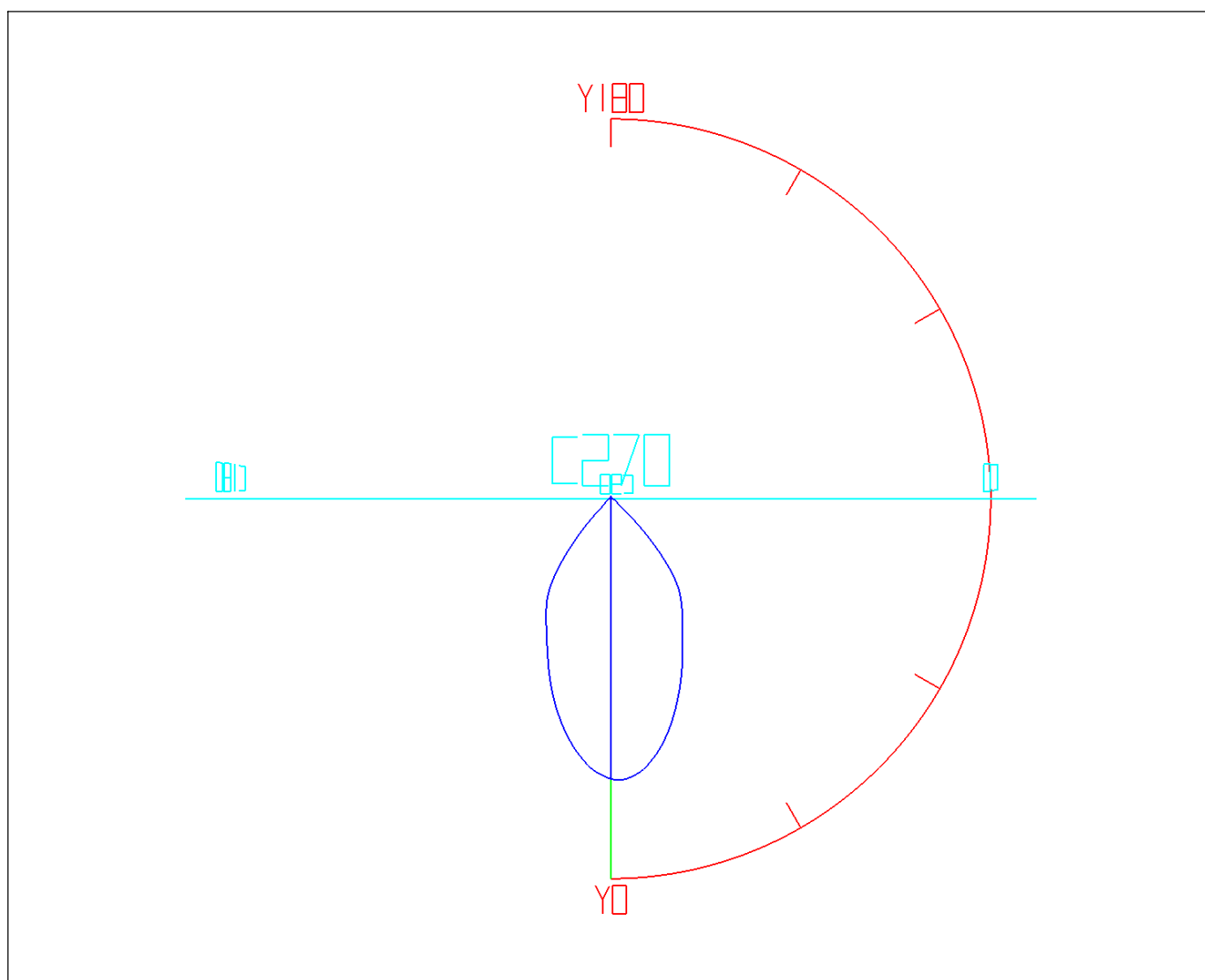
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 60D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23

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

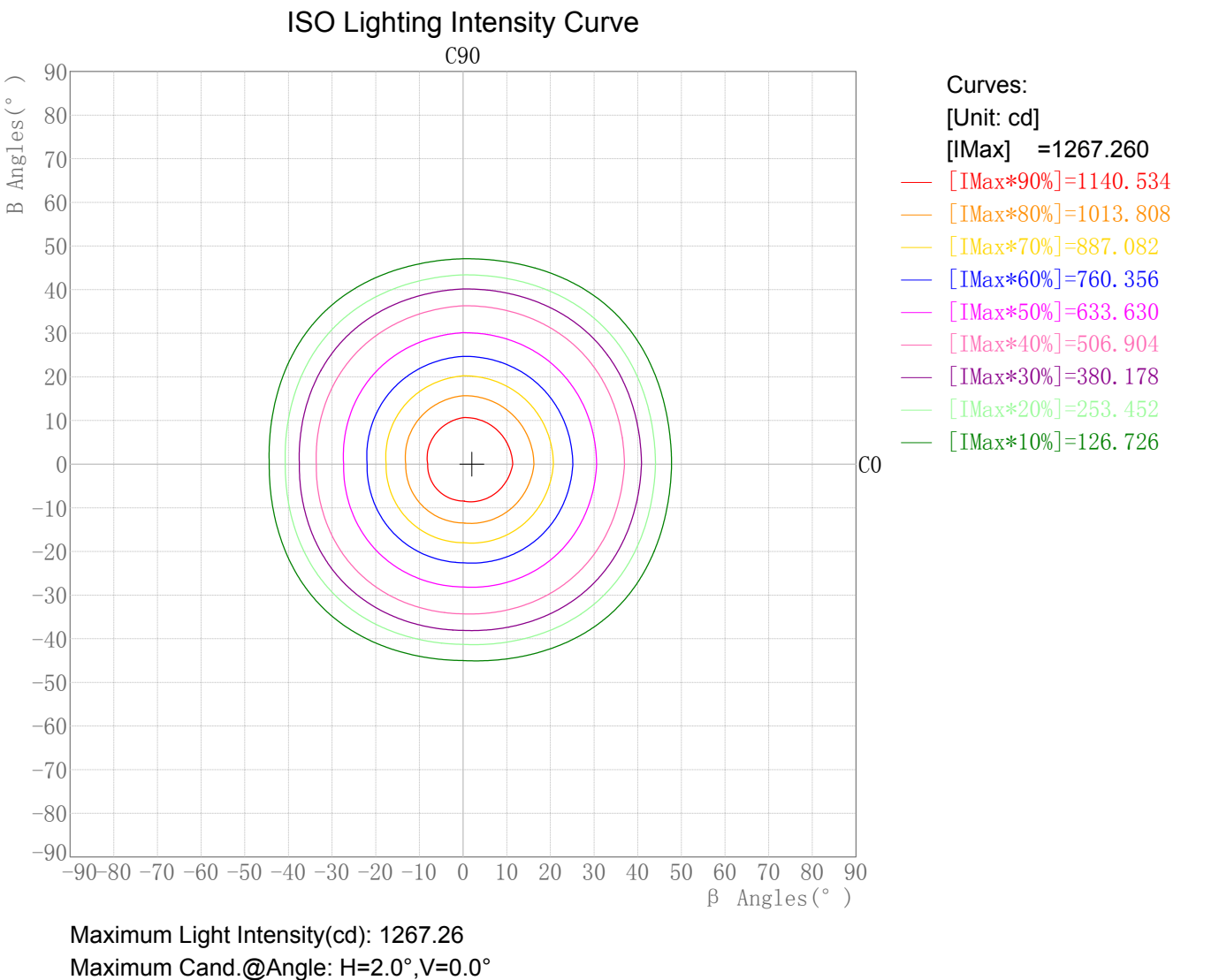
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.21	1.21	0.09	0.09	47.0-48.0	7.60	1159.63	0.59	90.17
1.0-2.0	3.61	4.81	0.28	0.37	48.0-49.0	6.12	1165.74	0.48	90.64
2.0-3.0	5.98	10.80	0.47	0.84	49.0-50.0	4.97	1170.71	0.39	91.03
3.0-4.0	8.32	19.11	0.65	1.49	50.0-51.0	4.15	1174.86	0.32	91.35
4.0-5.0	10.60	29.71	0.82	2.31	51.0-52.0	3.64	1178.51	0.28	91.64
5.0-6.0	12.80	42.51	1.00	3.31	52.0-53.0	3.32	1181.82	0.26	91.89
6.0-7.0	14.92	57.43	1.16	4.47	53.0-54.0	3.13	1184.95	0.24	92.14
7.0-8.0	16.94	74.37	1.32	5.78	54.0-55.0	3.04	1188.00	0.24	92.37
8.0-9.0	18.85	93.22	1.47	7.25	55.0-56.0	2.99	1190.99	0.23	92.61
9.0-10.0	20.67	113.89	1.61	8.86	56.0-57.0	2.95	1193.94	0.23	92.84
10.0-11.0	22.38	136.27	1.74	10.60	57.0-58.0	2.89	1196.83	0.23	93.06
11.0-12.0	23.96	160.23	1.86	12.46	58.0-59.0	2.84	1199.67	0.22	93.28
12.0-13.0	25.41	185.63	1.98	14.43	59.0-60.0	2.78	1202.44	0.22	93.50
13.0-14.0	26.73	212.37	2.08	16.51	60.0-61.0	2.71	1205.15	0.21	93.71
14.0-15.0	27.94	240.30	2.17	18.68	61.0-62.0	2.64	1207.79	0.21	93.91
15.0-16.0	29.01	269.31	2.26	20.94	62.0-63.0	2.57	1210.36	0.20	94.11
16.0-17.0	29.96	299.28	2.33	23.27	63.0-64.0	2.50	1212.86	0.19	94.31
17.0-18.0	30.79	330.07	2.39	25.66	64.0-65.0	2.42	1215.28	0.19	94.50
18.0-19.0	31.50	361.57	2.45	28.11	65.0-66.0	2.35	1217.63	0.18	94.68
19.0-20.0	32.10	393.67	2.50	30.61	66.0-67.0	2.27	1219.90	0.18	94.86
20.0-21.0	32.57	426.23	2.53	33.14	67.0-68.0	2.19	1222.09	0.17	95.03
21.0-22.0	32.94	459.18	2.56	35.70	68.0-69.0	2.11	1224.21	0.16	95.19
22.0-23.0	33.22	492.40	2.58	38.29	69.0-70.0	2.03	1226.24	0.16	95.35
23.0-24.0	33.43	525.83	2.60	40.89	70.0-71.0	1.95	1228.19	0.15	95.50
24.0-25.0	33.58	559.41	2.61	43.50	71.0-72.0	1.87	1230.06	0.15	95.64
25.0-26.0	33.68	593.09	2.62	46.12	72.0-73.0	1.79	1231.85	0.14	95.78
26.0-27.0	33.74	626.83	2.62	48.74	73.0-74.0	1.71	1233.55	0.13	95.92
27.0-28.0	33.77	660.60	2.63	51.37	74.0-75.0	1.63	1235.18	0.13	96.04
28.0-29.0	33.79	694.39	2.63	53.99	75.0-76.0	1.55	1236.73	0.12	96.16
29.0-30.0	33.77	728.16	2.63	56.62	76.0-77.0	1.47	1238.21	0.11	96.28
30.0-31.0	33.71	761.87	2.62	59.24	77.0-78.0	1.40	1239.61	0.11	96.39
31.0-32.0	33.58	795.46	2.61	61.85	78.0-79.0	1.33	1240.94	0.10	96.49
32.0-33.0	33.37	828.82	2.59	64.45	79.0-80.0	1.27	1242.21	0.10	96.59
33.0-34.0	33.00	861.82	2.57	67.01	80.0-81.0	1.20	1243.41	0.09	96.68
34.0-35.0	32.43	894.26	2.52	69.53	81.0-82.0	1.13	1244.54	0.09	96.77
35.0-36.0	31.65	925.90	2.46	71.99	82.0-83.0	1.07	1245.61	0.08	96.85
36.0-37.0	30.59	956.50	2.38	74.37	83.0-84.0	1.01	1246.62	0.08	96.93
37.0-38.0	29.19	985.69	2.27	76.64	84.0-85.0	0.95	1247.57	0.07	97.01
38.0-39.0	27.47	1013.16	2.14	78.78	85.0-86.0	0.89	1248.46	0.07	97.08
39.0-40.0	25.46	1038.62	1.98	80.76	86.0-87.0	0.81	1249.27	0.06	97.14
40.0-41.0	23.26	1061.88	1.81	82.57	87.0-88.0	0.73	1250.00	0.06	97.20
41.0-42.0	20.92	1082.80	1.63	84.19	88.0-89.0	0.67	1250.67	0.05	97.25
42.0-43.0	18.51	1101.31	1.44	85.63	89.0-90.0	0.62	1251.29	0.05	97.30
43.0-44.0	16.09	1117.40	1.25	86.88	90.0-91.0	0.60	1251.88	0.05	97.34
44.0-45.0	13.73	1131.13	1.07	87.95	91.0-92.0	0.58	1252.47	0.05	97.39
45.0-46.0	11.49	1142.62	0.89	88.85	92.0-93.0	0.57	1253.03	0.04	97.43
46.0-47.0	9.41	1152.03	0.73	89.58	93.0-94.0	0.55	1253.59	0.04	97.47

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	0.54	1254.13	0.04	97.52	141.0-142.0	0.45	1275.32	0.04	99.16
95.0-96.0	0.53	1254.66	0.04	97.56	142.0-143.0	0.45	1275.78	0.04	99.20
96.0-97.0	0.52	1255.18	0.04	97.60	143.0-144.0	0.45	1276.23	0.03	99.23
97.0-98.0	0.51	1255.68	0.04	97.64	144.0-145.0	0.45	1276.67	0.03	99.27
98.0-99.0	0.50	1256.18	0.04	97.68	145.0-146.0	0.44	1277.11	0.03	99.30
99.0-100.0	0.49	1256.67	0.04	97.71	146.0-147.0	0.44	1277.55	0.03	99.34
100.0-101.0	0.48	1257.15	0.04	97.75	147.0-148.0	0.43	1277.98	0.03	99.37
101.0-102.0	0.47	1257.62	0.04	97.79	148.0-149.0	0.43	1278.41	0.03	99.40
102.0-103.0	0.46	1258.09	0.04	97.82	149.0-150.0	0.42	1278.82	0.03	99.44
103.0-104.0	0.46	1258.55	0.04	97.86	150.0-151.0	0.41	1279.24	0.03	99.47
104.0-105.0	0.45	1259.00	0.04	97.90	151.0-152.0	0.40	1279.64	0.03	99.50
105.0-106.0	0.45	1259.45	0.03	97.93	152.0-153.0	0.40	1280.04	0.03	99.53
106.0-107.0	0.44	1259.89	0.03	97.96	153.0-154.0	0.39	1280.43	0.03	99.56
107.0-108.0	0.44	1260.33	0.03	98.00	154.0-155.0	0.38	1280.80	0.03	99.59
108.0-109.0	0.43	1260.76	0.03	98.03	155.0-156.0	0.37	1281.18	0.03	99.62
109.0-110.0	0.43	1261.20	0.03	98.07	156.0-157.0	0.36	1281.54	0.03	99.65
110.0-111.0	0.43	1261.63	0.03	98.10	157.0-158.0	0.35	1281.89	0.03	99.67
111.0-112.0	0.43	1262.05	0.03	98.13	158.0-159.0	0.34	1282.23	0.03	99.70
112.0-113.0	0.43	1262.48	0.03	98.17	159.0-160.0	0.33	1282.56	0.03	99.73
113.0-114.0	0.43	1262.91	0.03	98.20	160.0-161.0	0.32	1282.87	0.02	99.75
114.0-115.0	0.43	1263.33	0.03	98.23	161.0-162.0	0.31	1283.18	0.02	99.78
115.0-116.0	0.43	1263.76	0.03	98.27	162.0-163.0	0.29	1283.47	0.02	99.80
116.0-117.0	0.43	1264.19	0.03	98.30	163.0-164.0	0.28	1283.75	0.02	99.82
117.0-118.0	0.43	1264.61	0.03	98.33	164.0-165.0	0.27	1284.02	0.02	99.84
118.0-119.0	0.43	1265.04	0.03	98.36	165.0-166.0	0.25	1284.27	0.02	99.86
119.0-120.0	0.43	1265.47	0.03	98.40	166.0-167.0	0.24	1284.51	0.02	99.88
120.0-121.0	0.43	1265.90	0.03	98.43	167.0-168.0	0.22	1284.73	0.02	99.90
121.0-122.0	0.43	1266.33	0.03	98.47	168.0-169.0	0.21	1284.94	0.02	99.91
122.0-123.0	0.43	1266.76	0.03	98.50	169.0-170.0	0.19	1285.13	0.01	99.93
123.0-124.0	0.44	1267.20	0.03	98.53	170.0-171.0	0.17	1285.30	0.01	99.94
124.0-125.0	0.44	1267.64	0.03	98.57	171.0-172.0	0.16	1285.46	0.01	99.95
125.0-126.0	0.44	1268.08	0.03	98.60	172.0-173.0	0.14	1285.60	0.01	99.96
126.0-127.0	0.44	1268.52	0.03	98.64	173.0-174.0	0.12	1285.72	0.01	99.97
127.0-128.0	0.44	1268.96	0.03	98.67	174.0-175.0	0.10	1285.83	0.01	99.98
128.0-129.0	0.45	1269.41	0.03	98.70	175.0-176.0	0.09	1285.91	0.01	99.99
129.0-130.0	0.45	1269.85	0.03	98.74	176.0-177.0	0.07	1285.98	0.01	99.99
130.0-131.0	0.45	1270.30	0.03	98.77	177.0-178.0	0.05	1286.03	0.00	100.00
131.0-132.0	0.45	1270.76	0.04	98.81	178.0-179.0	0.03	1286.06	0.00	100.00
132.0-133.0	0.45	1271.21	0.04	98.84	179.0-180.0	0.01	1286.07	0.00	100.00
133.0-134.0	0.46	1271.67	0.04	98.88					
134.0-135.0	0.46	1272.12	0.04	98.92					
135.0-136.0	0.46	1272.58	0.04	98.95					
136.0-137.0	0.46	1273.04	0.04	98.99					
137.0-138.0	0.46	1273.50	0.04	99.02					
138.0-139.0	0.46	1273.96	0.04	99.06					
139.0-140.0	0.46	1274.41	0.04	99.09					
140.0-141.0	0.46	1274.87	0.04	99.13					

Rectangle ISO Lighting Intensity Diagram

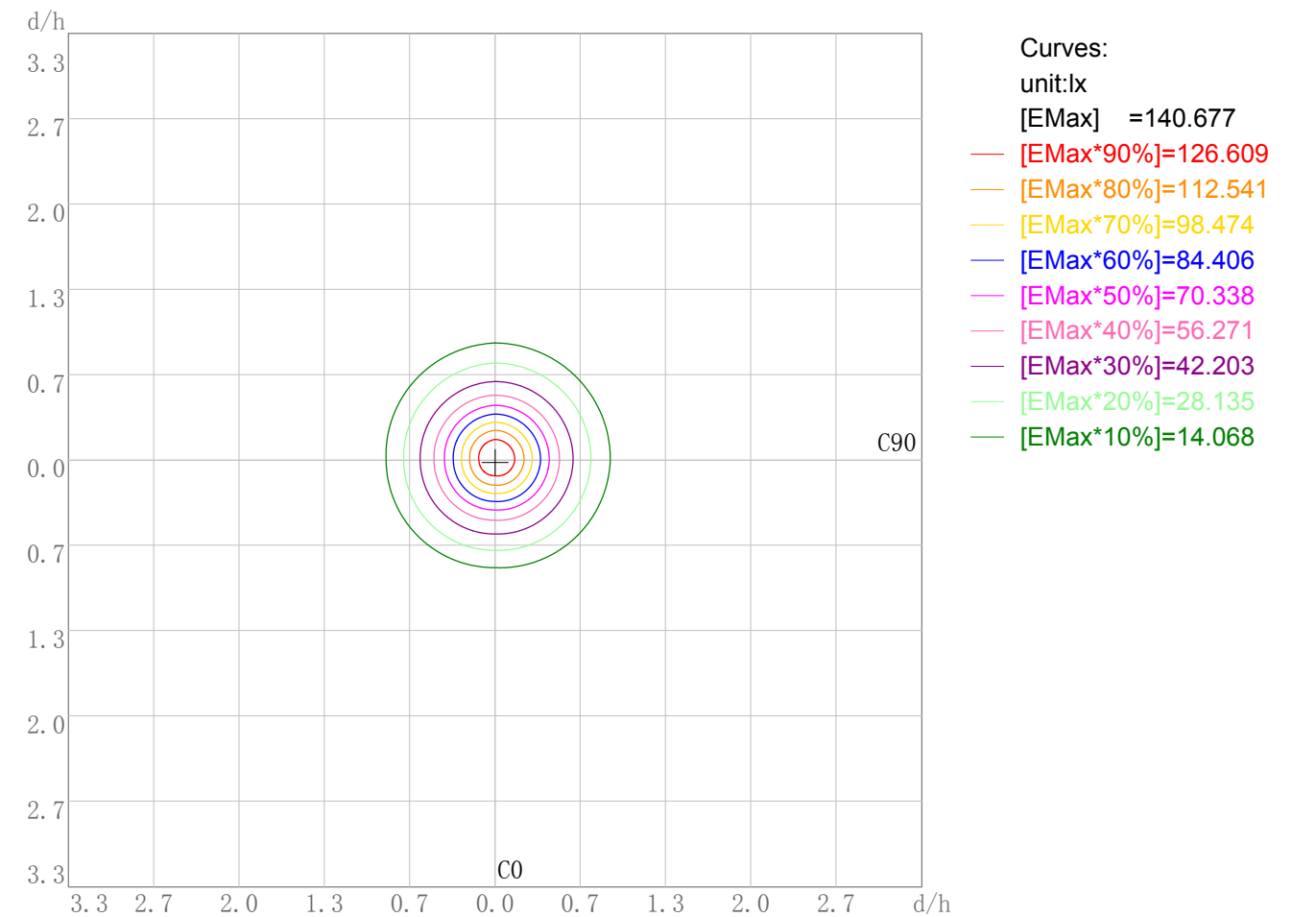
Lum. Name:MD10-13-XX-02 4000K RA90 60D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/23



Plane ISO-Illuminance Diagram

Lum. Name:MD10-13-XX-02 4000K 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: 2019/12/23

Plane ISO-Illuminance Curve

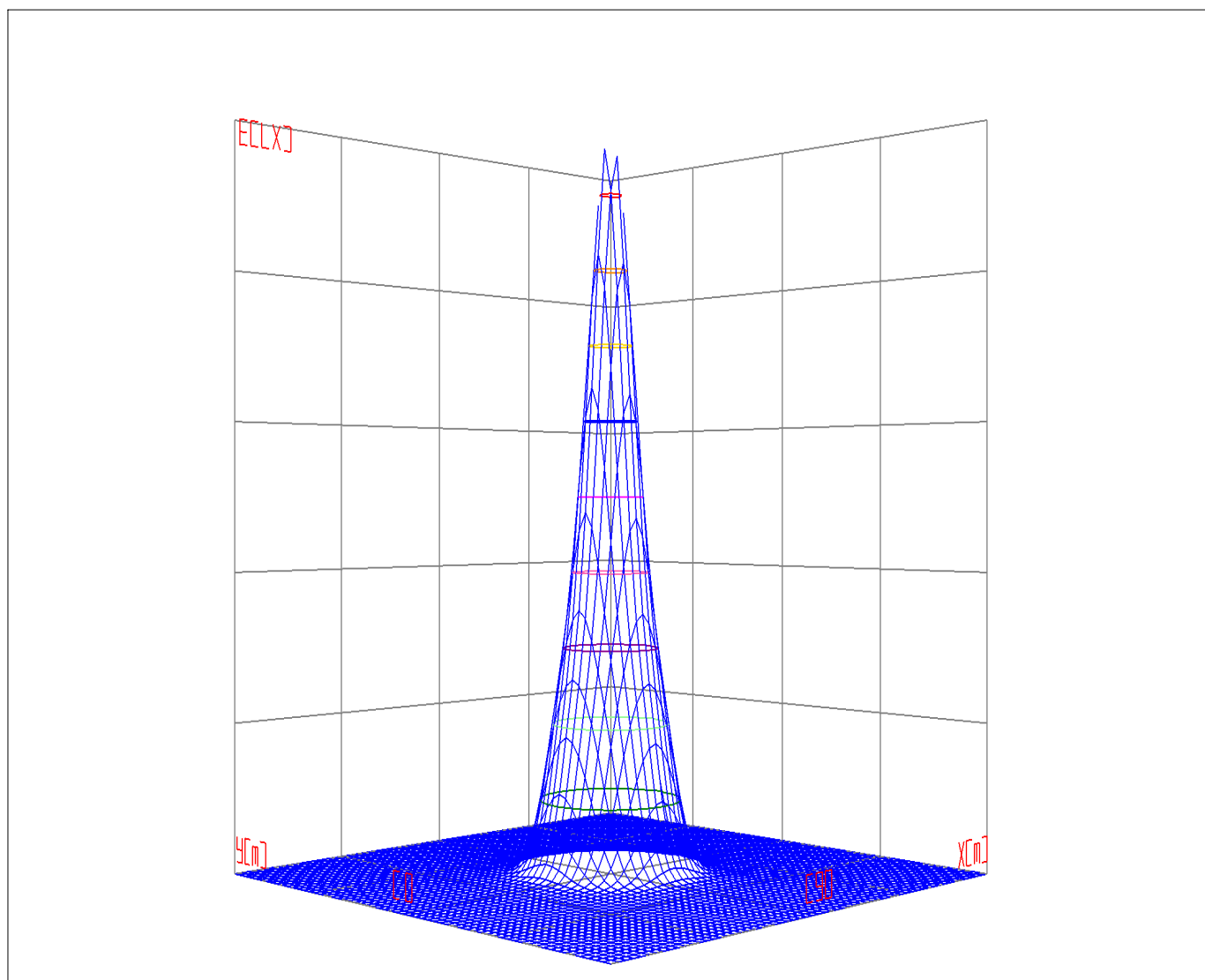


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 140.68
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23

3D Plane Illuminance Modal

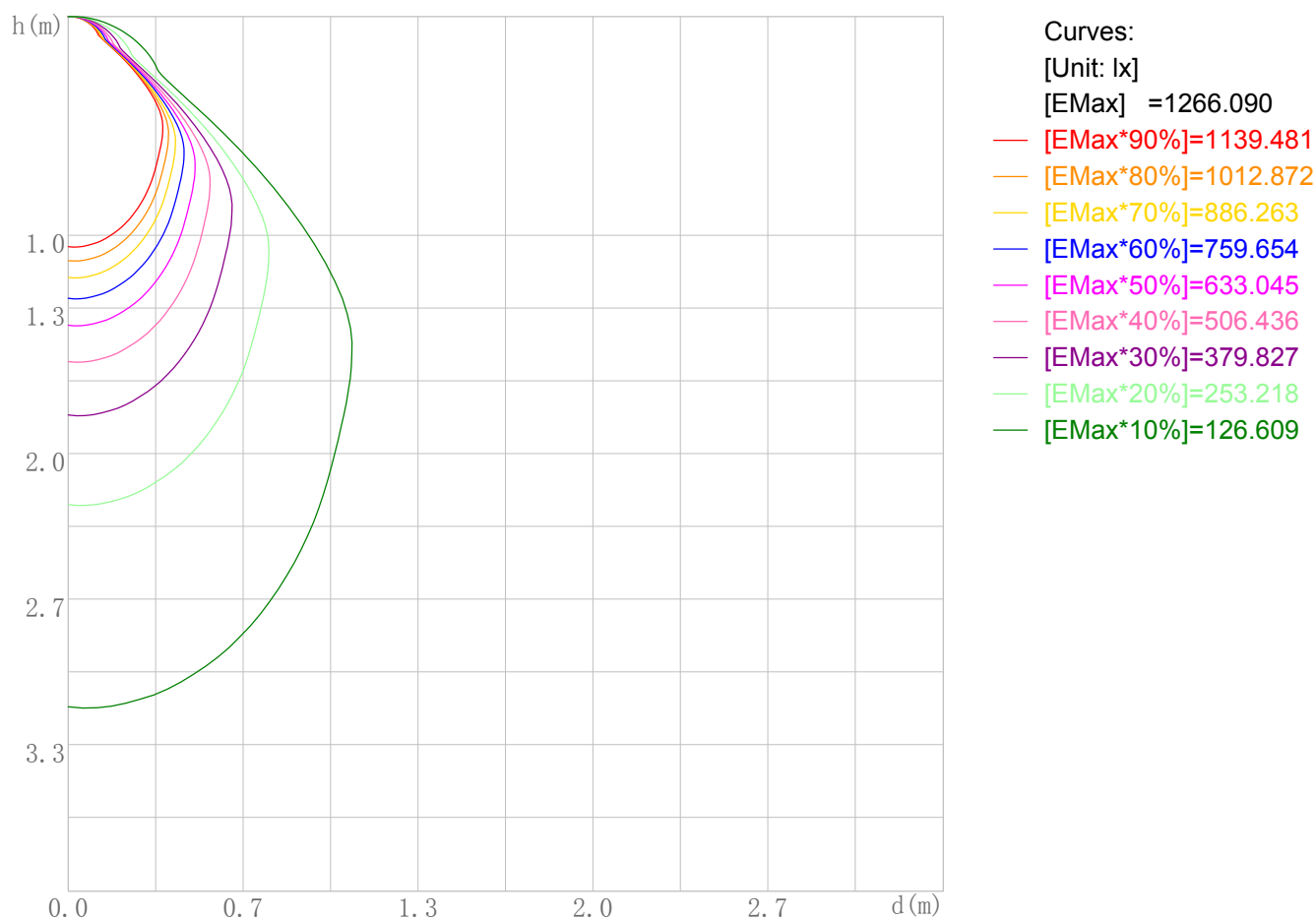


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1266.09lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:1267.260cd,0deg

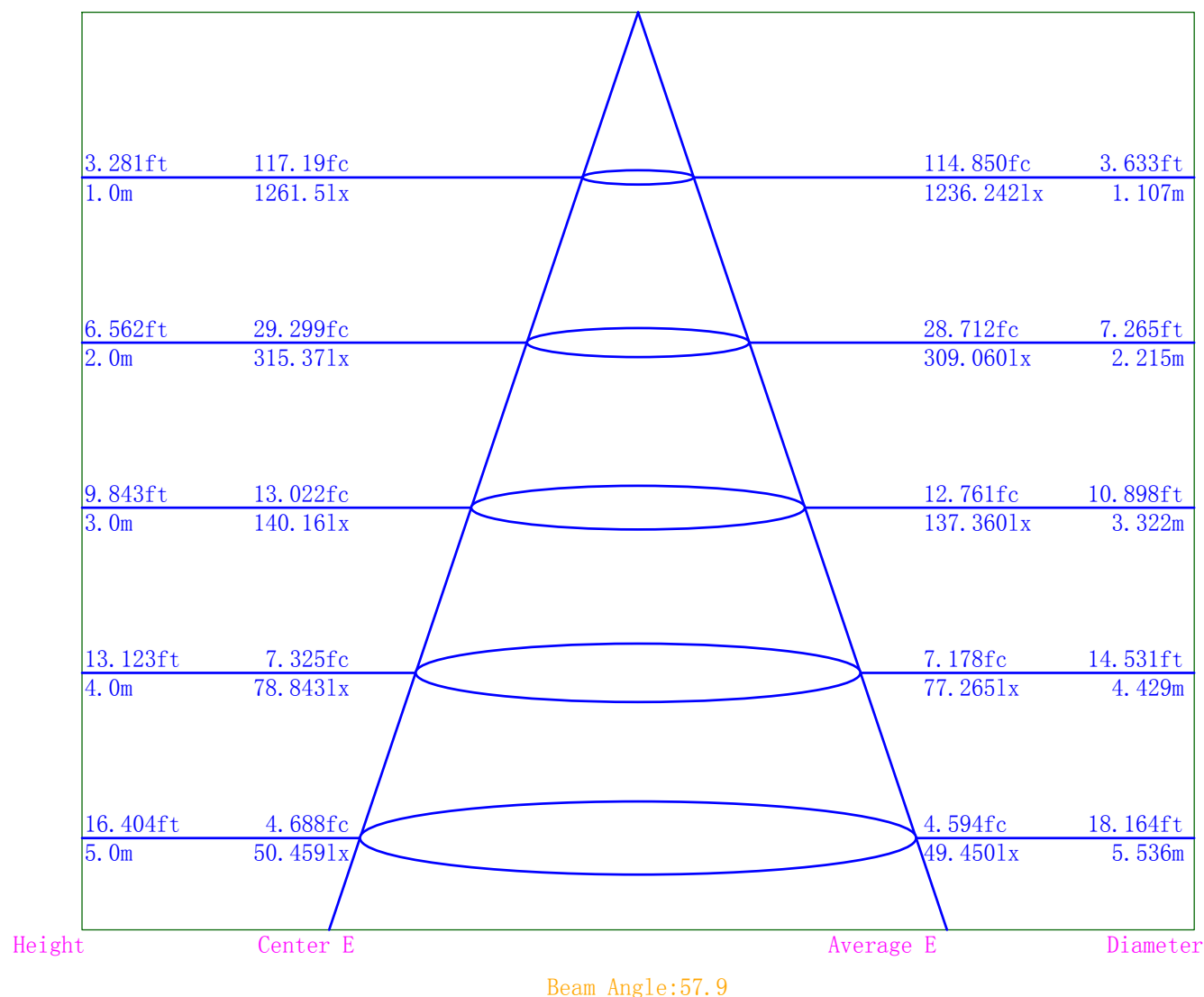
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 60D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 60D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-02 4000K RA90 60D	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: 2019/12/23

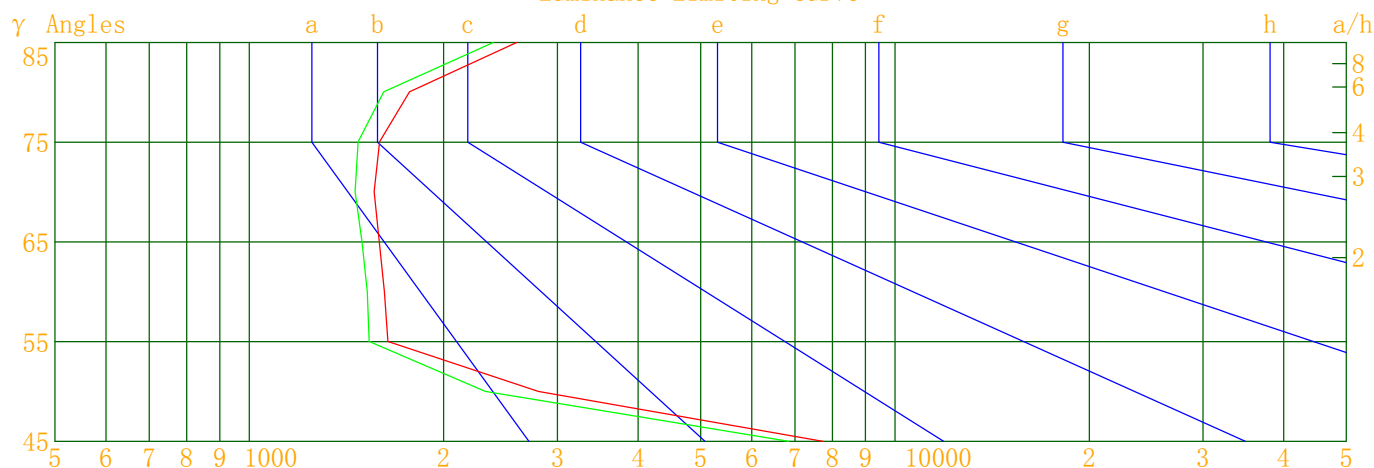
Glare Grade Table

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	7734	2804	1639	1619	1589	1561	1591	1770	2594
C90	6849	2320	1534	1523	1494	1459	1474	1615	2387

Luminance Limiting Curve



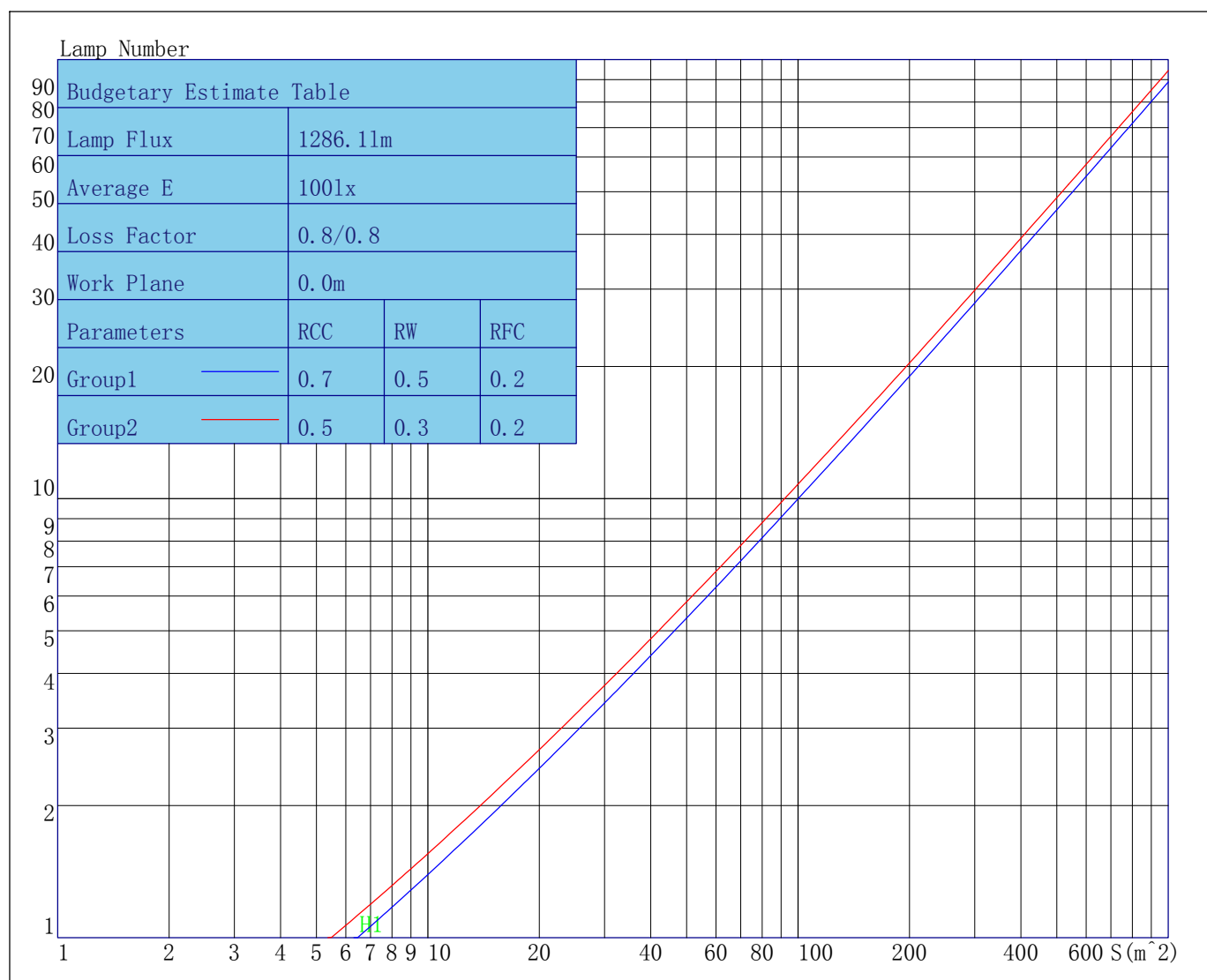
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m²)=0.040000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 60D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/23



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-02 4000K 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: 2019/12/23

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	109	106	103	109	106	104	101	102	99	98	97	96	94	93	92	91	89
2	105	100	95	91	103	98	94	90	94	91	88	91	88	85	87	85	83	81
3	99	92	86	82	97	90	85	81	87	83	79	84	81	78	82	79	76	74
4	93	85	79	74	91	84	78	73	81	76	72	79	74	71	76	73	70	68
5	88	79	72	67	86	78	71	67	75	70	66	73	69	65	72	68	64	63
6	83	73	67	62	81	72	66	61	70	65	61	69	64	60	67	63	60	58
7	78	68	62	57	77	67	61	57	66	60	56	64	59	56	63	59	55	54
8	74	64	57	53	73	63	57	53	62	56	52	60	55	52	59	55	51	50
9	70	60	53	49	69	59	53	49	58	52	49	57	52	48	56	51	48	46
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	48	45	43

Unified Glare Rating Table

Lum. Name: MD10-13-XX-02 4000K RA90 60D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: QAlty peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/23

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	15.6	16.7	16.0	17.1	17.4	15.3	16.3	15.7	16.7	17.1
	15.7	16.7	16.1	17.1	17.5	15.4	16.3	15.8	16.7	17.2
	15.8	16.7	16.3	17.1	17.6	15.5	16.3	15.9	16.8	17.2
	15.9	16.7	16.4	17.2	17.6	15.6	16.4	16.0	16.8	17.3
	16.0	16.8	16.5	17.2	17.7	15.6	16.4	16.1	16.8	17.3
	16.1	16.8	16.6	17.3	17.8	15.7	16.5	16.2	16.9	17.4
X=4H Y=2H	15.4	16.3	15.9	16.7	17.2	15.1	16.0	15.6	16.4	16.9
	15.7	16.4	16.1	16.9	17.3	15.3	16.1	15.8	16.5	17.0
	15.8	16.5	16.3	17.0	17.5	15.5	16.2	16.0	16.6	17.1
	16.1	16.7	16.6	17.2	17.7	15.7	16.3	16.2	16.8	17.3
	16.2	16.8	16.8	17.3	17.8	15.9	16.4	16.4	16.9	17.4
	16.4	16.9	17.0	17.4	18.0	16.0	16.5	16.6	17.0	17.6
X=8H Y=4H	15.8	16.4	16.4	16.9	17.4	15.5	16.0	16.0	16.5	17.1
	16.2	16.6	16.8	17.2	17.8	15.8	16.3	16.4	16.8	17.4
	16.4	16.8	17.0	17.4	17.9	16.1	16.4	16.6	17.0	17.6
	16.8	17.1	17.3	17.6	18.3	16.4	16.7	16.9	17.2	17.9
X=12H Y=4H	15.8	16.3	16.3	16.8	17.3	15.5	15.9	16.0	16.5	17.0
	16.2	16.6	16.8	17.1	17.7	15.8	16.2	16.4	16.8	17.4
	16.5	16.8	17.1	17.4	18.0	16.1	16.5	16.7	17.0	17.6
Variations with the objerver position at spacings										
S=1.0H	0.2/−0.2					0.2/−0.3				
S=1.5H	0.4/−0.4					0.4/−0.4				
S=2.0H	0.4/−0.5					0.5/−0.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.2					1.2				

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	1261.48	1261.48	1261.48	1261.48
γ 1.0	1266.67	1261.82	1253.92	1254.21
γ 2.0	1267.26	1260.72	1243.94	1245.44
γ 3.0	1264.33	1255.19	1233.53	1235.99
γ 4.0	1257.41	1247.53	1220.09	1225.50
γ 5.0	1248.50	1238.43	1202.90	1211.16
γ 6.0	1239.03	1226.55	1183.99	1193.39
γ 7.0	1225.29	1211.51	1163.23	1172.17
γ 8.0	1208.15	1193.19	1143.13	1150.28
γ 9.0	1189.00	1173.74	1120.06	1128.25
γ 10.0	1170.11	1154.51	1095.63	1104.73
γ 11.0	1148.69	1133.91	1070.67	1079.12
γ 12.0	1126.21	1109.36	1045.20	1053.37
γ 13.0	1100.31	1085.30	1017.28	1026.63
γ 14.0	1075.30	1059.08	991.11	998.39
γ 15.0	1048.51	1032.56	963.53	971.04
γ 16.0	1020.38	1005.42	935.06	943.29
γ 17.0	992.27	978.60	906.08	915.13
γ 18.0	963.92	950.69	876.24	886.84
γ 19.0	935.67	922.86	847.59	859.39
γ 20.0	906.85	893.98	817.94	830.38
γ 21.0	878.09	865.87	788.57	802.66
γ 22.0	849.47	836.34	759.88	776.04
γ 23.0	820.80	807.54	733.31	749.69
γ 24.0	791.99	779.67	708.23	724.86
γ 25.0	763.91	752.47	684.37	701.70
γ 26.0	737.29	726.90	661.65	679.03
γ 27.0	711.99	702.16	640.51	656.95
γ 28.0	688.09	678.43	621.20	636.49
γ 29.0	665.82	656.86	601.52	616.96
γ 30.0	645.32	636.15	582.76	597.98
γ 31.0	625.32	616.23	563.62	578.66
γ 32.0	605.69	596.86	544.00	558.58
γ 33.0	587.68	577.45	522.59	537.54
γ 34.0	568.03	556.81	497.33	514.67
γ 35.0	548.27	535.63	468.28	487.96
γ 36.0	529.18	514.33	435.77	456.51
γ 37.0	506.11	489.26	399.34	421.58
γ 38.0	479.12	458.39	360.87	383.69
γ 39.0	448.51	423.80	321.19	343.58
γ 40.0	412.40	386.15	281.31	303.50
γ 41.0	374.97	347.20	242.70	264.15
γ 42.0	334.74	306.89	205.79	226.91
γ 43.0	295.26	267.74	170.52	190.72
γ 44.0	256.03	230.02	137.80	157.07
γ 45.0	218.75	193.73	109.36	126.47
γ 46.0	182.54	159.93	85.02	99.17

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	149.43	129.01	65.34	76.18
γ 48.0	119.29	100.88	52.29	59.55
γ 49.0	93.72	76.80	45.16	47.97
γ 50.0	72.10	59.66	40.40	40.67
γ 51.0	57.55	48.95	37.21	36.09
γ 52.0	48.40	42.77	34.21	34.36
γ 53.0	41.92	38.41	31.81	33.28
γ 54.0	38.96	36.22	30.87	32.39
γ 55.0	37.61	35.19	30.14	31.46
γ 56.0	36.62	34.21	29.20	30.61
γ 57.0	35.66	33.24	28.38	29.83
γ 58.0	34.61	32.35	27.33	28.96
γ 59.0	33.53	31.49	26.43	28.10
γ 60.0	32.37	30.45	25.44	27.17
γ 61.0	31.18	29.42	24.50	26.30
γ 62.0	30.11	28.32	23.70	25.46
γ 63.0	28.97	27.25	22.84	24.67
γ 64.0	27.86	26.21	21.93	23.80
γ 65.0	26.86	25.26	21.12	22.94
γ 66.0	25.80	24.15	20.33	22.09
γ 67.0	24.61	23.07	19.45	21.20
γ 68.0	23.61	22.09	18.65	20.30
γ 69.0	22.52	20.99	17.94	19.53
γ 70.0	21.35	19.95	17.17	18.77
γ 71.0	20.33	18.96	16.42	17.81
γ 72.0	19.38	18.02	15.79	17.07
γ 73.0	18.31	17.01	14.94	16.34
γ 74.0	17.34	16.15	14.22	15.43
γ 75.0	16.47	15.26	13.63	14.77
γ 76.0	15.47	14.24	13.11	14.11
γ 77.0	14.59	13.47	12.25	13.40
γ 78.0	13.83	12.66	11.74	12.67
γ 79.0	13.10	11.86	11.20	12.12
γ 80.0	12.30	11.22	10.63	11.54
γ 81.0	11.71	10.66	9.85	10.79
γ 82.0	11.04	10.03	9.35	10.15
γ 83.0	10.23	9.24	8.95	9.65
γ 84.0	9.56	8.73	8.52	9.23
γ 85.0	9.04	8.32	7.82	8.70
γ 86.0	8.64	7.96	6.74	7.68
γ 87.0	8.23	7.24	5.78	6.98
γ 88.0	7.39	6.33	5.31	6.16
γ 89.0	6.73	5.55	5.18	5.98
γ 90.0	6.01	5.11	5.06	5.83
γ 91.0	5.83	4.98	4.95	5.68
γ 92.0	5.68	4.87	4.85	5.55
γ 93.0	5.55	4.77	4.74	5.42

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.41	4.66	4.65	5.30
γ 95.0	5.29	4.56	4.57	5.20
γ 96.0	5.17	4.46	4.49	5.09
γ 97.0	5.06	4.38	4.42	5.00
γ 98.0	4.96	4.29	4.36	4.91
γ 99.0	4.86	4.21	4.30	4.84
γ 100.0	4.77	4.16	4.25	4.77
γ 101.0	4.69	4.09	4.20	4.70
γ 102.0	4.60	4.03	4.17	4.65
γ 103.0	4.54	3.99	4.14	4.60
γ 104.0	4.48	3.94	4.12	4.56
γ 105.0	4.43	3.91	4.12	4.52
γ 106.0	4.38	3.89	4.10	4.50
γ 107.0	4.34	3.87	4.10	4.50
γ 108.0	4.31	3.85	4.11	4.47
γ 109.0	4.29	3.84	4.12	4.48
γ 110.0	4.28	3.85	4.14	4.48
γ 111.0	4.26	3.85	4.17	4.50
γ 112.0	4.26	3.87	4.20	4.51
γ 113.0	4.26	3.89	4.24	4.53
γ 114.0	4.27	3.91	4.28	4.56
γ 115.0	4.29	3.94	4.32	4.59
γ 116.0	4.31	3.96	4.38	4.63
γ 117.0	4.34	4.01	4.42	4.67
γ 118.0	4.37	4.05	4.49	4.73
γ 119.0	4.41	4.10	4.56	4.79
γ 120.0	4.45	4.16	4.64	4.84
γ 121.0	4.50	4.22	4.71	4.90
γ 122.0	4.55	4.29	4.79	4.96
γ 123.0	4.61	4.36	4.88	5.04
γ 124.0	4.67	4.43	4.96	5.11
γ 125.0	4.74	4.51	5.06	5.20
γ 126.0	4.81	4.59	5.15	5.29
γ 127.0	4.90	4.68	5.25	5.38
γ 128.0	4.97	4.77	5.36	5.48
γ 129.0	5.07	4.86	5.47	5.57
γ 130.0	5.16	4.97	5.57	5.67
γ 131.0	5.26	5.06	5.70	5.77
γ 132.0	5.36	5.18	5.81	5.89
γ 133.0	5.47	5.29	5.94	5.99
γ 134.0	5.58	5.39	6.06	6.10
γ 135.0	5.69	5.52	6.18	6.21
γ 136.0	5.80	5.63	6.29	6.32
γ 137.0	5.92	5.76	6.42	6.44
γ 138.0	6.03	5.88	6.54	6.55
γ 139.0	6.15	6.00	6.67	6.66
γ 140.0	6.27	6.12	6.79	6.77

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.38	6.24	6.91	6.89
γ 142.0	6.49	6.35	7.02	7.00
γ 143.0	6.62	6.47	7.14	7.11
γ 144.0	6.73	6.59	7.23	7.21
γ 145.0	6.85	6.70	7.36	7.30
γ 146.0	6.97	6.82	7.45	7.40
γ 147.0	7.07	6.93	7.56	7.50
γ 148.0	7.17	7.04	7.66	7.61
γ 149.0	7.28	7.14	7.76	7.70
γ 150.0	7.39	7.25	7.87	7.80
γ 151.0	7.48	7.35	7.96	7.89
γ 152.0	7.60	7.46	8.07	7.97
γ 153.0	7.71	7.57	8.17	8.08
γ 154.0	7.82	7.69	8.28	8.19
γ 155.0	7.92	7.80	8.38	8.27
γ 156.0	8.04	7.91	8.49	8.37
γ 157.0	8.16	8.01	8.59	8.47
γ 158.0	8.26	8.13	8.70	8.57
γ 159.0	8.37	8.25	8.81	8.67
γ 160.0	8.49	8.35	8.91	8.77
γ 161.0	8.60	8.46	9.01	8.85
γ 162.0	8.72	8.59	9.10	8.94
γ 163.0	8.82	8.69	9.19	9.05
γ 164.0	8.92	8.81	9.29	9.12
γ 165.0	9.03	8.91	9.38	9.21
γ 166.0	9.14	9.01	9.46	9.30
γ 167.0	9.24	9.10	9.55	9.39
γ 168.0	9.34	9.20	9.64	9.48
γ 169.0	9.44	9.29	9.72	9.56
γ 170.0	9.54	9.39	9.80	9.63
γ 171.0	9.63	9.47	9.87	9.71
γ 172.0	9.72	9.56	9.95	9.78
γ 173.0	9.80	9.64	10.00	9.84
γ 174.0	9.89	9.72	10.06	9.90
γ 175.0	9.96	9.78	10.11	9.95
γ 176.0	10.04	9.84	10.14	9.99
γ 177.0	10.08	9.90	10.17	10.03
γ 178.0	10.13	9.95	10.20	10.07
γ 179.0	10.17	9.99	10.21	10.08
γ 180.0	10.15	10.15	10.15	10.15