

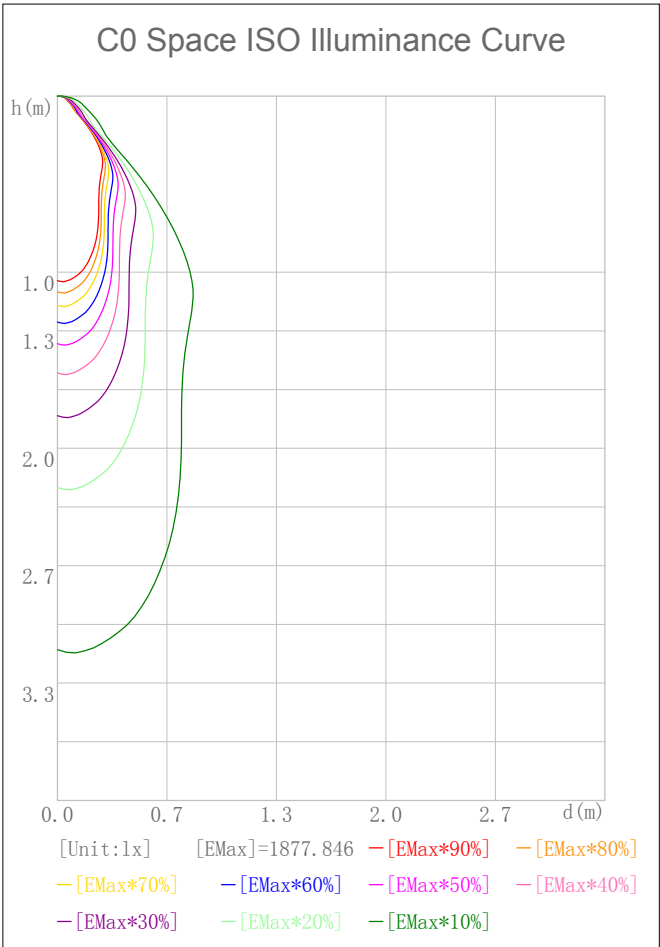
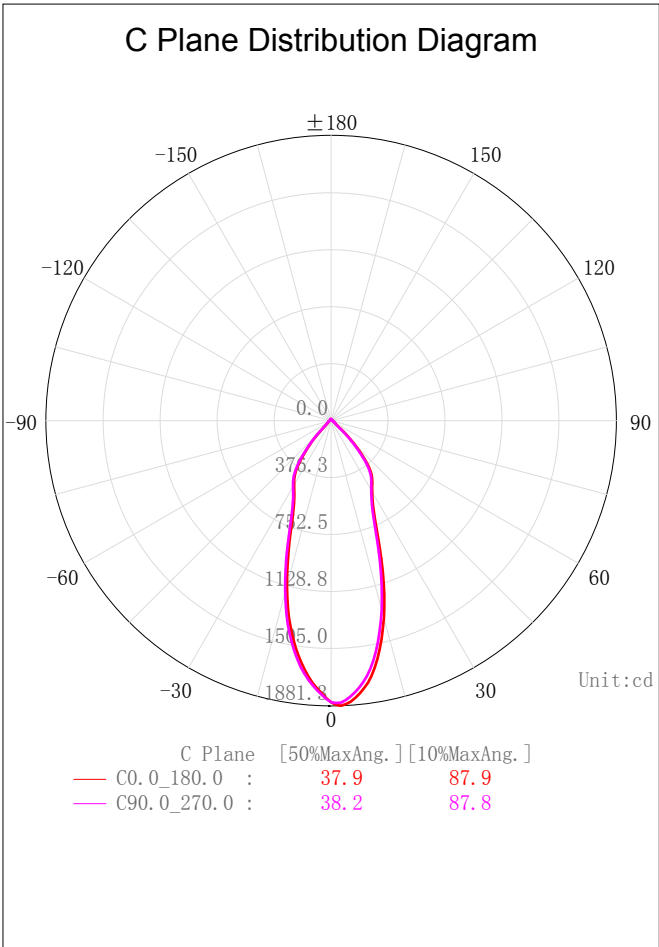
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-02 4000K RA90 38D	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(%):

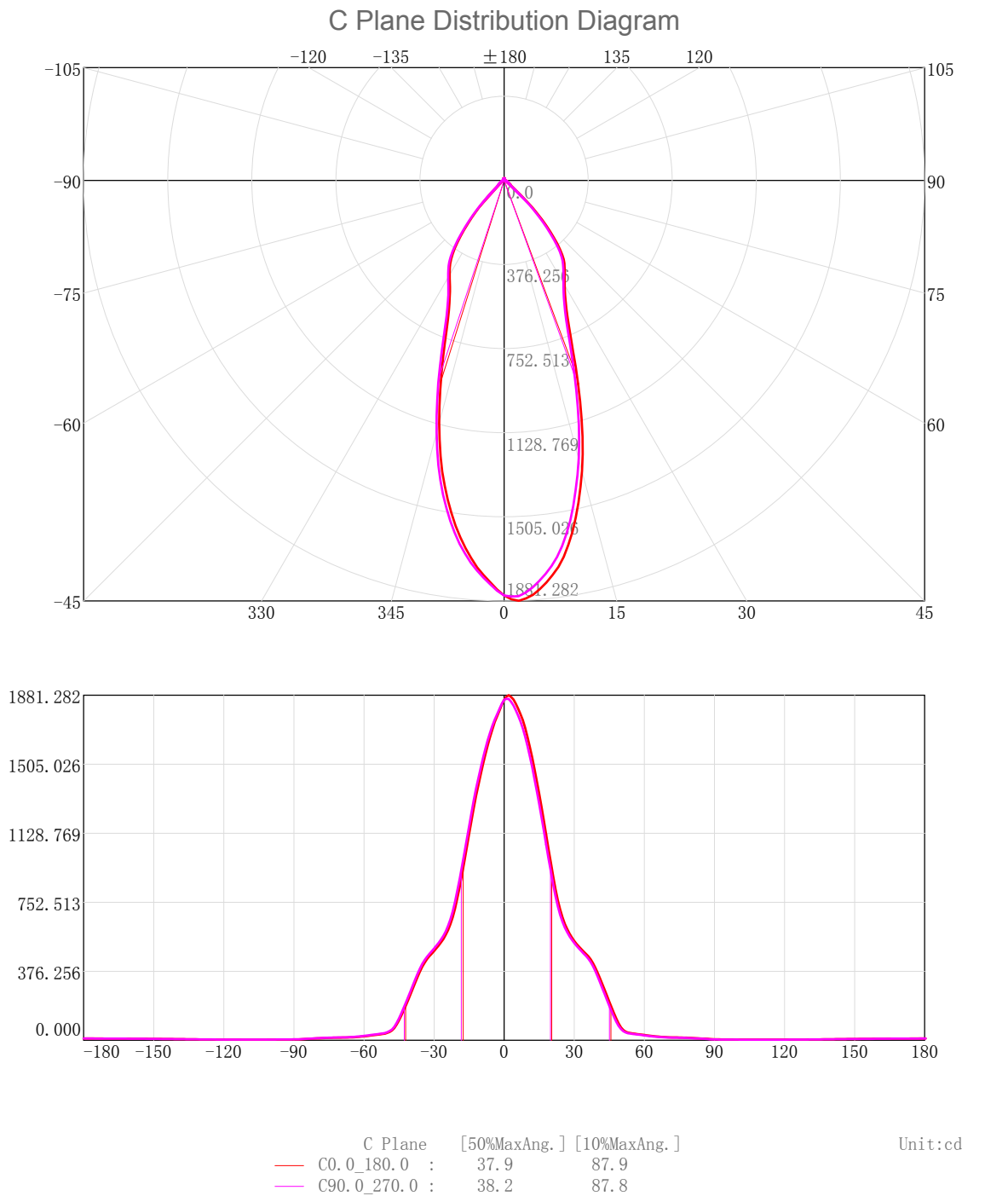
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1294.180	Luminary Flux(lm): 1294.176	Field Angle(10%Imax): 87.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1259.597lm 97.33%
Rated Voltage(V):	Luminary EER(lm/W): 104.201	Up Lumens&Percent: 34.579lm 2.67%
Tested Power(W): 12.420	Max. Candela(cd): 1881.282	S/MH: C0_a180=0.621 C90_270=0.620
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): 37.9(°)	ErP Φ use(90°): 1137.101lm
Lamp Size(W*L*H):0.050m*0.050m*0.750m	Left=-17.5°, Right=20.4°	IRF(%): 314.797



2D Plane Light Intensity Distribution Curve

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



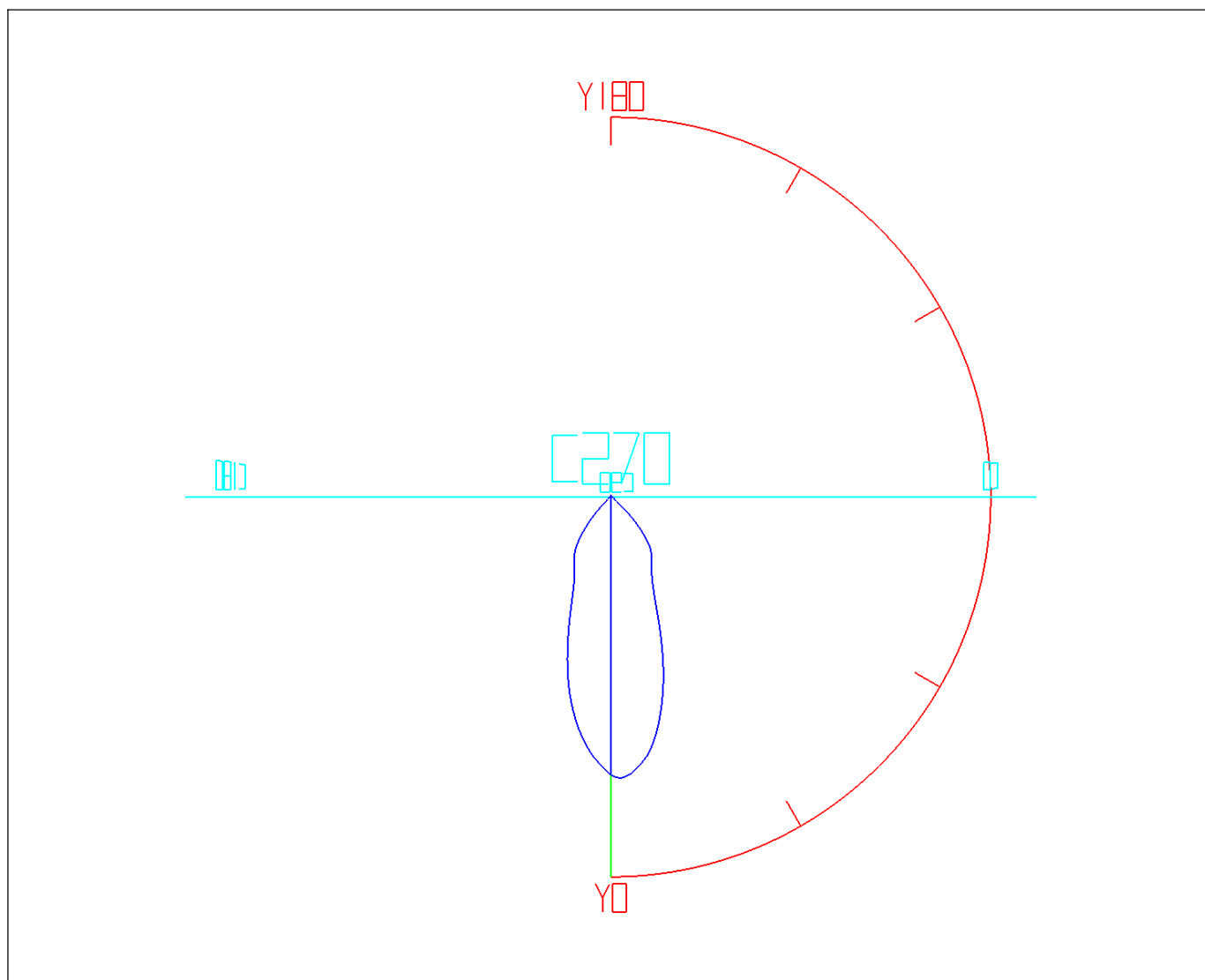
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-02 4000K 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: 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

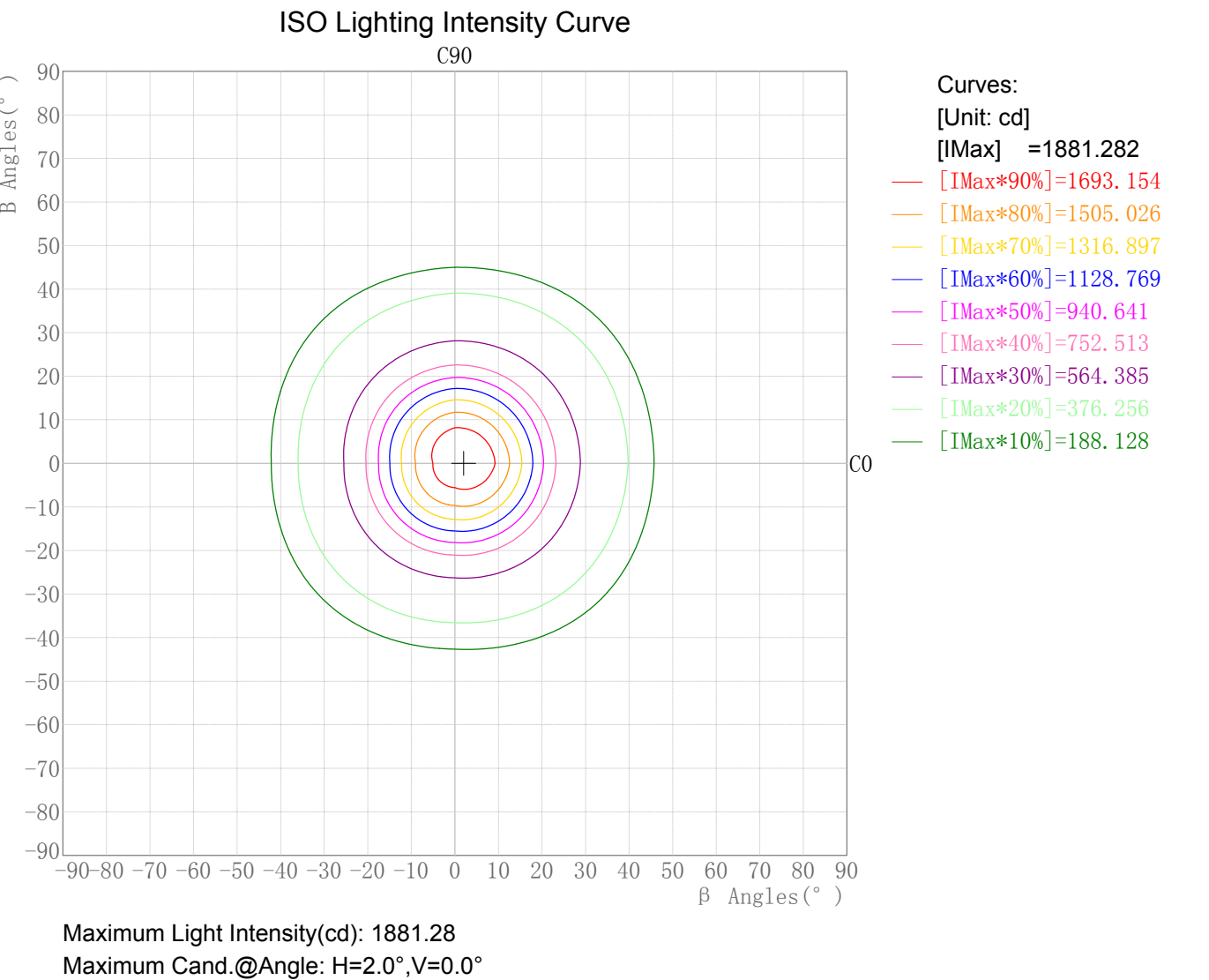
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.77	1.77	0.14	0.14	47.0-48.0	7.62	1172.60	0.59	90.61
1.0-2.0	5.29	7.06	0.41	0.55	48.0-49.0	6.21	1178.81	0.48	91.09
2.0-3.0	8.73	15.80	0.67	1.22	49.0-50.0	5.08	1183.89	0.39	91.48
3.0-4.0	12.07	27.87	0.93	2.15	50.0-51.0	4.25	1188.14	0.33	91.81
4.0-5.0	15.28	43.15	1.18	3.33	51.0-52.0	3.72	1191.86	0.29	92.09
5.0-6.0	18.33	61.49	1.42	4.75	52.0-53.0	3.41	1195.27	0.26	92.36
6.0-7.0	21.21	82.70	1.64	6.39	53.0-54.0	3.23	1198.50	0.25	92.61
7.0-8.0	23.90	106.60	1.85	8.24	54.0-55.0	3.10	1201.60	0.24	92.85
8.0-9.0	26.35	132.95	2.04	10.27	55.0-56.0	2.99	1204.59	0.23	93.08
9.0-10.0	28.52	161.47	2.20	12.48	56.0-57.0	2.87	1207.46	0.22	93.30
10.0-11.0	30.41	191.88	2.35	14.83	57.0-58.0	2.75	1210.22	0.21	93.51
11.0-12.0	32.00	223.88	2.47	17.30	58.0-59.0	2.63	1212.85	0.20	93.72
12.0-13.0	33.25	257.13	2.57	19.87	59.0-60.0	2.51	1215.36	0.19	93.91
13.0-14.0	34.16	291.29	2.64	22.51	60.0-61.0	2.38	1217.74	0.18	94.09
14.0-15.0	34.75	326.04	2.69	25.19	61.0-62.0	2.26	1220.01	0.17	94.27
15.0-16.0	35.02	361.06	2.71	27.90	62.0-63.0	2.15	1222.16	0.17	94.43
16.0-17.0	34.96	396.01	2.70	30.60	63.0-64.0	2.05	1224.21	0.16	94.59
17.0-18.0	34.59	430.61	2.67	33.27	64.0-65.0	1.96	1226.16	0.15	94.74
18.0-19.0	33.96	464.57	2.62	35.90	65.0-66.0	1.88	1228.04	0.15	94.89
19.0-20.0	33.12	497.70	2.56	38.46	66.0-67.0	1.81	1229.85	0.14	95.03
20.0-21.0	32.14	529.84	2.48	40.94	67.0-68.0	1.75	1231.60	0.14	95.16
21.0-22.0	31.13	560.97	2.41	43.35	68.0-69.0	1.71	1233.31	0.13	95.30
22.0-23.0	30.25	591.21	2.34	45.68	69.0-70.0	1.67	1234.98	0.13	95.43
23.0-24.0	29.55	620.76	2.28	47.97	70.0-71.0	1.65	1236.62	0.13	95.55
24.0-25.0	29.03	649.80	2.24	50.21	71.0-72.0	1.63	1238.25	0.13	95.68
25.0-26.0	28.68	678.47	2.22	52.42	72.0-73.0	1.61	1239.87	0.12	95.80
26.0-27.0	28.45	706.92	2.20	54.62	73.0-74.0	1.60	1241.46	0.12	95.93
27.0-28.0	28.33	735.25	2.19	56.81	74.0-75.0	1.57	1243.04	0.12	96.05
28.0-29.0	28.28	763.53	2.18	59.00	75.0-76.0	1.54	1244.58	0.12	96.17
29.0-30.0	28.26	791.79	2.18	61.18	76.0-77.0	1.50	1246.08	0.12	96.28
30.0-31.0	28.25	820.04	2.18	63.36	77.0-78.0	1.45	1247.53	0.11	96.40
31.0-32.0	28.24	848.27	2.18	65.55	78.0-79.0	1.39	1248.93	0.11	96.50
32.0-33.0	28.19	876.47	2.18	67.72	79.0-80.0	1.33	1250.26	0.10	96.61
33.0-34.0	28.04	904.51	2.17	69.89	80.0-81.0	1.26	1251.53	0.10	96.70
34.0-35.0	27.73	932.24	2.14	72.03	81.0-82.0	1.19	1252.72	0.09	96.80
35.0-36.0	27.24	959.48	2.10	74.14	82.0-83.0	1.13	1253.85	0.09	96.88
36.0-37.0	26.52	985.99	2.05	76.19	83.0-84.0	1.05	1254.90	0.08	96.96
37.0-38.0	25.52	1011.51	1.97	78.16	84.0-85.0	0.98	1255.88	0.08	97.04
38.0-39.0	24.24	1035.75	1.87	80.03	85.0-86.0	0.90	1256.78	0.07	97.11
39.0-40.0	22.74	1058.49	1.76	81.79	86.0-87.0	0.82	1257.59	0.06	97.17
40.0-41.0	21.04	1079.53	1.63	83.41	87.0-88.0	0.73	1258.32	0.06	97.23
41.0-42.0	19.20	1098.74	1.48	84.90	88.0-89.0	0.66	1258.98	0.05	97.28
42.0-43.0	17.25	1115.99	1.33	86.23	89.0-90.0	0.61	1259.60	0.05	97.33
43.0-44.0	15.24	1131.23	1.18	87.41	90.0-91.0	0.58	1260.18	0.05	97.37
44.0-45.0	13.21	1144.44	1.02	88.43	91.0-92.0	0.57	1260.75	0.04	97.42
45.0-46.0	11.21	1155.65	0.87	89.30	92.0-93.0	0.56	1261.31	0.04	97.46
46.0-47.0	9.32	1164.98	0.72	90.02	93.0-94.0	0.54	1261.85	0.04	97.50

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	0.53	1262.38	0.04	97.54	141.0-142.0	0.46	1283.07	0.04	99.14
95.0-96.0	0.52	1262.90	0.04	97.58	142.0-143.0	0.46	1283.53	0.04	99.18
96.0-97.0	0.51	1263.41	0.04	97.62	143.0-144.0	0.46	1283.98	0.04	99.21
97.0-98.0	0.50	1263.91	0.04	97.66	144.0-145.0	0.45	1284.44	0.04	99.25
98.0-99.0	0.49	1264.40	0.04	97.70	145.0-146.0	0.45	1284.89	0.03	99.28
99.0-100.0	0.48	1264.89	0.04	97.74	146.0-147.0	0.45	1285.34	0.03	99.32
100.0-101.0	0.47	1265.36	0.04	97.77	147.0-148.0	0.44	1285.78	0.03	99.35
101.0-102.0	0.47	1265.83	0.04	97.81	148.0-149.0	0.44	1286.22	0.03	99.38
102.0-103.0	0.46	1266.28	0.04	97.84	149.0-150.0	0.43	1286.65	0.03	99.42
103.0-104.0	0.45	1266.74	0.03	97.88	150.0-151.0	0.43	1287.08	0.03	99.45
104.0-105.0	0.45	1267.18	0.03	97.91	151.0-152.0	0.42	1287.50	0.03	99.48
105.0-106.0	0.44	1267.62	0.03	97.95	152.0-153.0	0.41	1287.91	0.03	99.52
106.0-107.0	0.44	1268.06	0.03	97.98	153.0-154.0	0.41	1288.32	0.03	99.55
107.0-108.0	0.43	1268.49	0.03	98.01	154.0-155.0	0.40	1288.72	0.03	99.58
108.0-109.0	0.43	1268.92	0.03	98.05	155.0-156.0	0.39	1289.11	0.03	99.61
109.0-110.0	0.42	1269.34	0.03	98.08	156.0-157.0	0.38	1289.49	0.03	99.64
110.0-111.0	0.42	1269.76	0.03	98.11	157.0-158.0	0.37	1289.85	0.03	99.67
111.0-112.0	0.42	1270.18	0.03	98.15	158.0-159.0	0.36	1290.21	0.03	99.69
112.0-113.0	0.42	1270.60	0.03	98.18	159.0-160.0	0.35	1290.56	0.03	99.72
113.0-114.0	0.42	1271.02	0.03	98.21	160.0-161.0	0.33	1290.89	0.03	99.75
114.0-115.0	0.41	1271.43	0.03	98.24	161.0-162.0	0.32	1291.21	0.02	99.77
115.0-116.0	0.41	1271.85	0.03	98.27	162.0-163.0	0.31	1291.51	0.02	99.79
116.0-117.0	0.41	1272.26	0.03	98.31	163.0-164.0	0.29	1291.80	0.02	99.82
117.0-118.0	0.41	1272.67	0.03	98.34	164.0-165.0	0.28	1292.08	0.02	99.84
118.0-119.0	0.41	1273.09	0.03	98.37	165.0-166.0	0.26	1292.34	0.02	99.86
119.0-120.0	0.41	1273.50	0.03	98.40	166.0-167.0	0.25	1292.59	0.02	99.88
120.0-121.0	0.41	1273.91	0.03	98.43	167.0-168.0	0.23	1292.82	0.02	99.89
121.0-122.0	0.41	1274.33	0.03	98.47	168.0-169.0	0.21	1293.03	0.02	99.91
122.0-123.0	0.42	1274.74	0.03	98.50	169.0-170.0	0.20	1293.22	0.02	99.93
123.0-124.0	0.42	1275.16	0.03	98.53	170.0-171.0	0.18	1293.40	0.01	99.94
124.0-125.0	0.42	1275.58	0.03	98.56	171.0-172.0	0.16	1293.56	0.01	99.95
125.0-126.0	0.42	1276.00	0.03	98.60	172.0-173.0	0.14	1293.70	0.01	99.96
126.0-127.0	0.42	1276.42	0.03	98.63	173.0-174.0	0.12	1293.83	0.01	99.97
127.0-128.0	0.42	1276.84	0.03	98.66	174.0-175.0	0.11	1293.93	0.01	99.98
128.0-129.0	0.43	1277.27	0.03	98.69	175.0-176.0	0.09	1294.02	0.01	99.99
129.0-130.0	0.43	1277.70	0.03	98.73	176.0-177.0	0.07	1294.09	0.01	99.99
130.0-131.0	0.43	1278.13	0.03	98.76	177.0-178.0	0.05	1294.14	0.00	100.00
131.0-132.0	0.44	1278.57	0.03	98.79	178.0-179.0	0.03	1294.17	0.00	100.00
132.0-133.0	0.44	1279.01	0.03	98.83	179.0-180.0	0.01	1294.18	0.00	100.00
133.0-134.0	0.44	1279.45	0.03	98.86					
134.0-135.0	0.45	1279.90	0.03	98.90					
135.0-136.0	0.45	1280.35	0.03	98.93					
136.0-137.0	0.45	1280.80	0.03	98.97					
137.0-138.0	0.45	1281.25	0.03	99.00					
138.0-139.0	0.45	1281.70	0.04	99.04					
139.0-140.0	0.46	1282.16	0.04	99.07					
140.0-141.0	0.46	1282.62	0.04	99.11					

Rectangle ISO Lighting Intensity Diagram

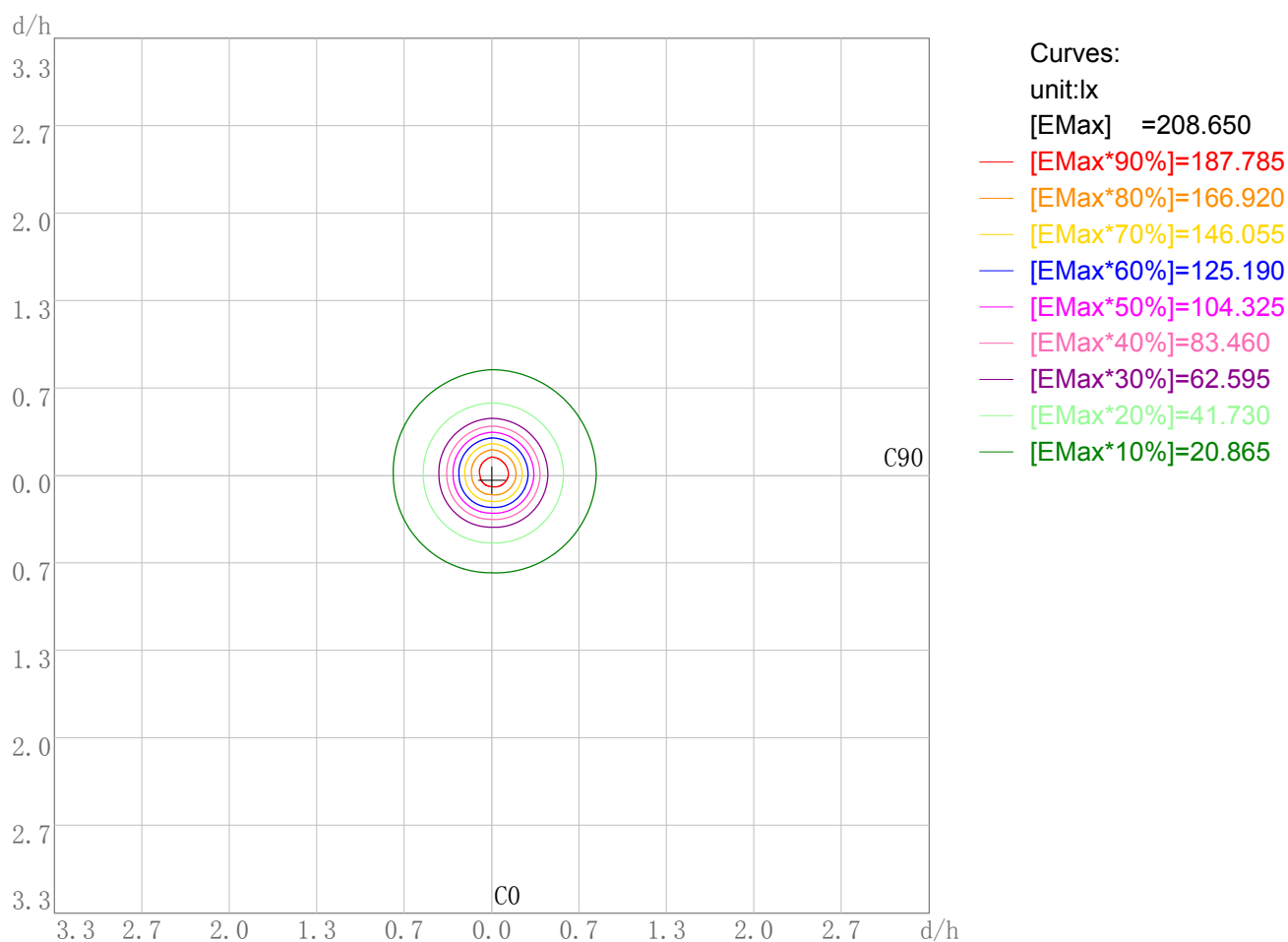
Lum. Name: MD10-13-XX-02 4000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/23



Plane ISO-Illuminance Diagram

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

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

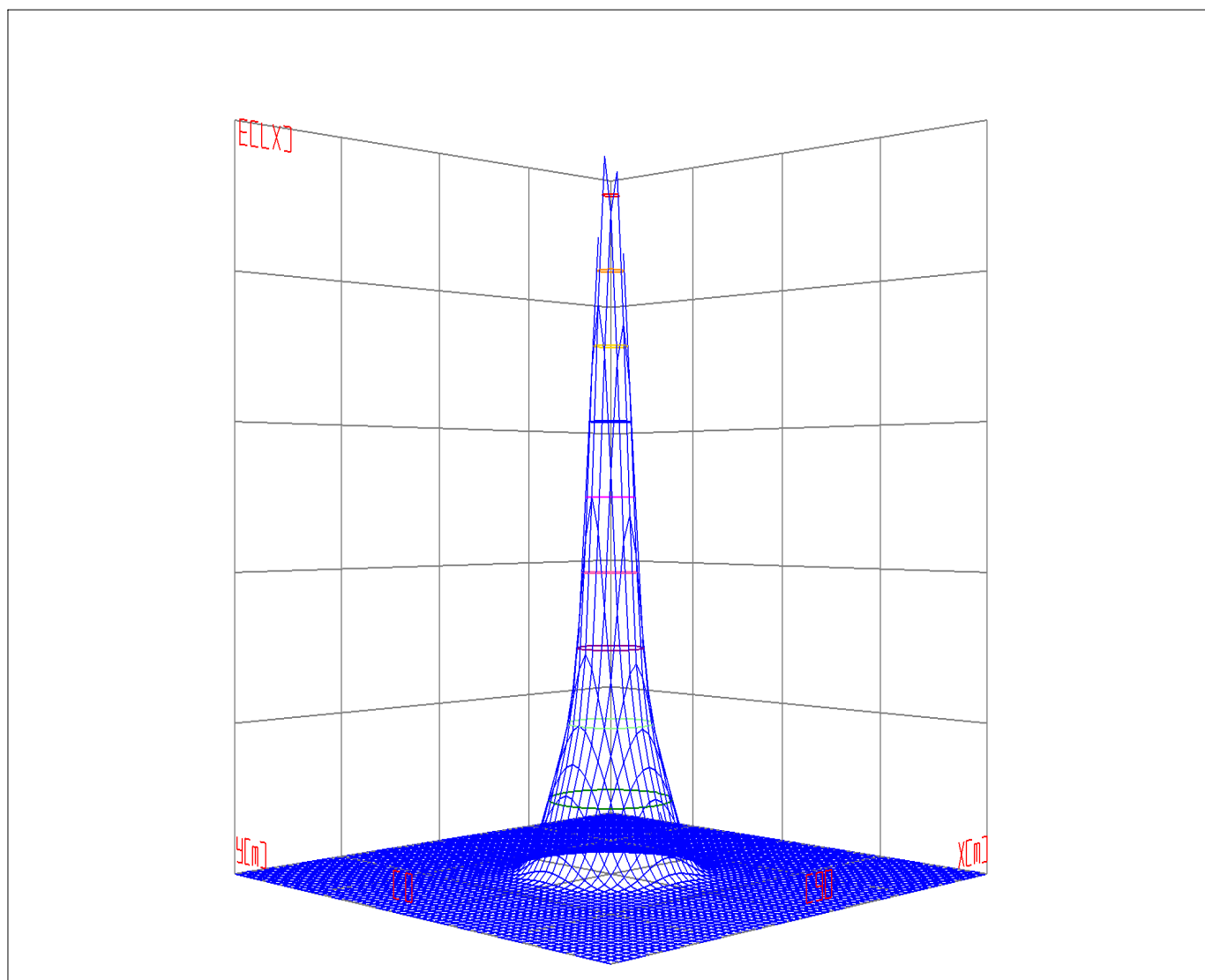
Working Plane Maximum Illuminance(lx): 208.65

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

3D Plane ISO Illuminance Diagram

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

3D Plane Illuminance Modal

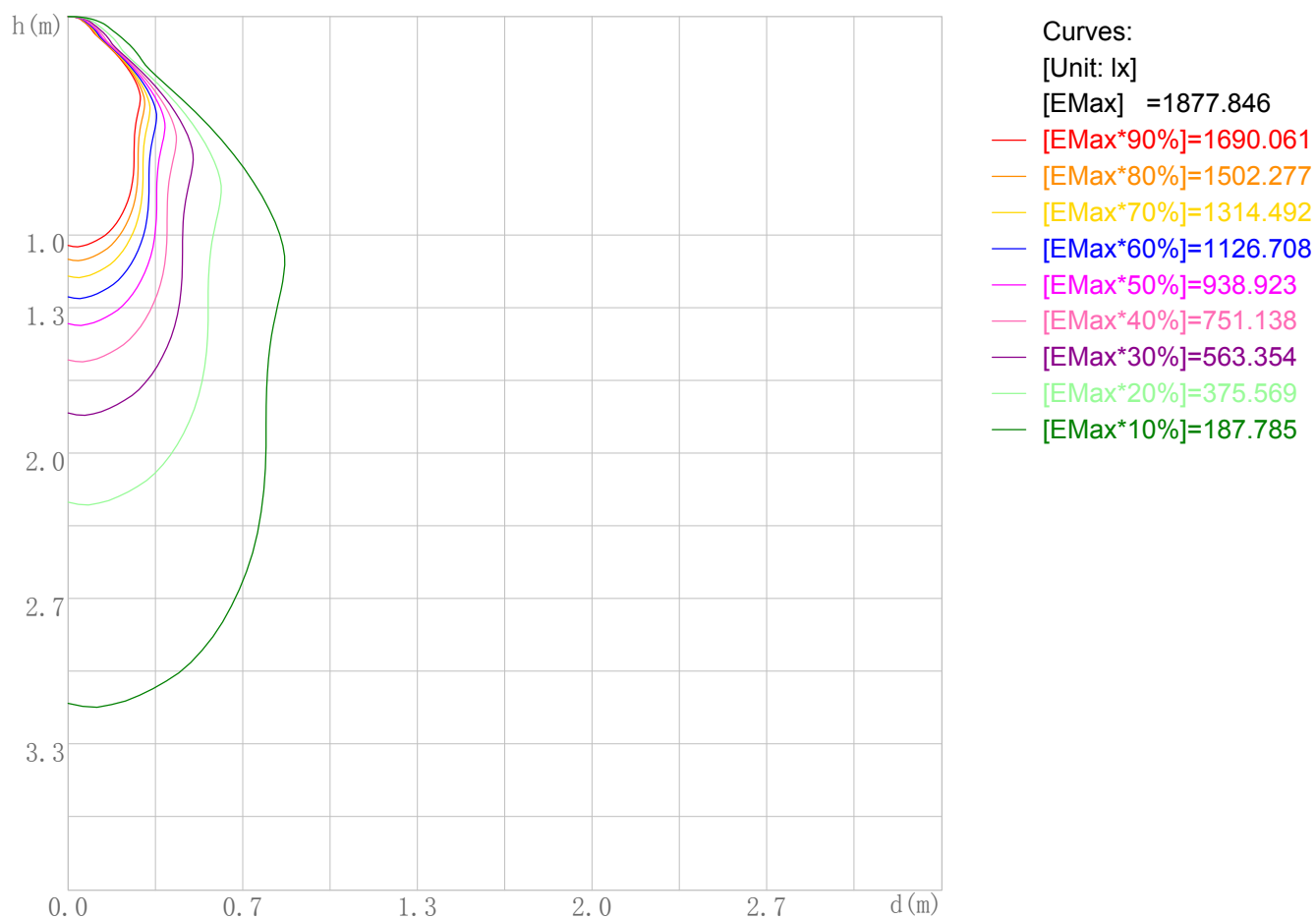


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

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

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1877.85lx,2.0deg

Plane Maximum Lighting Intensity and @Angle:1881.282cd,0deg

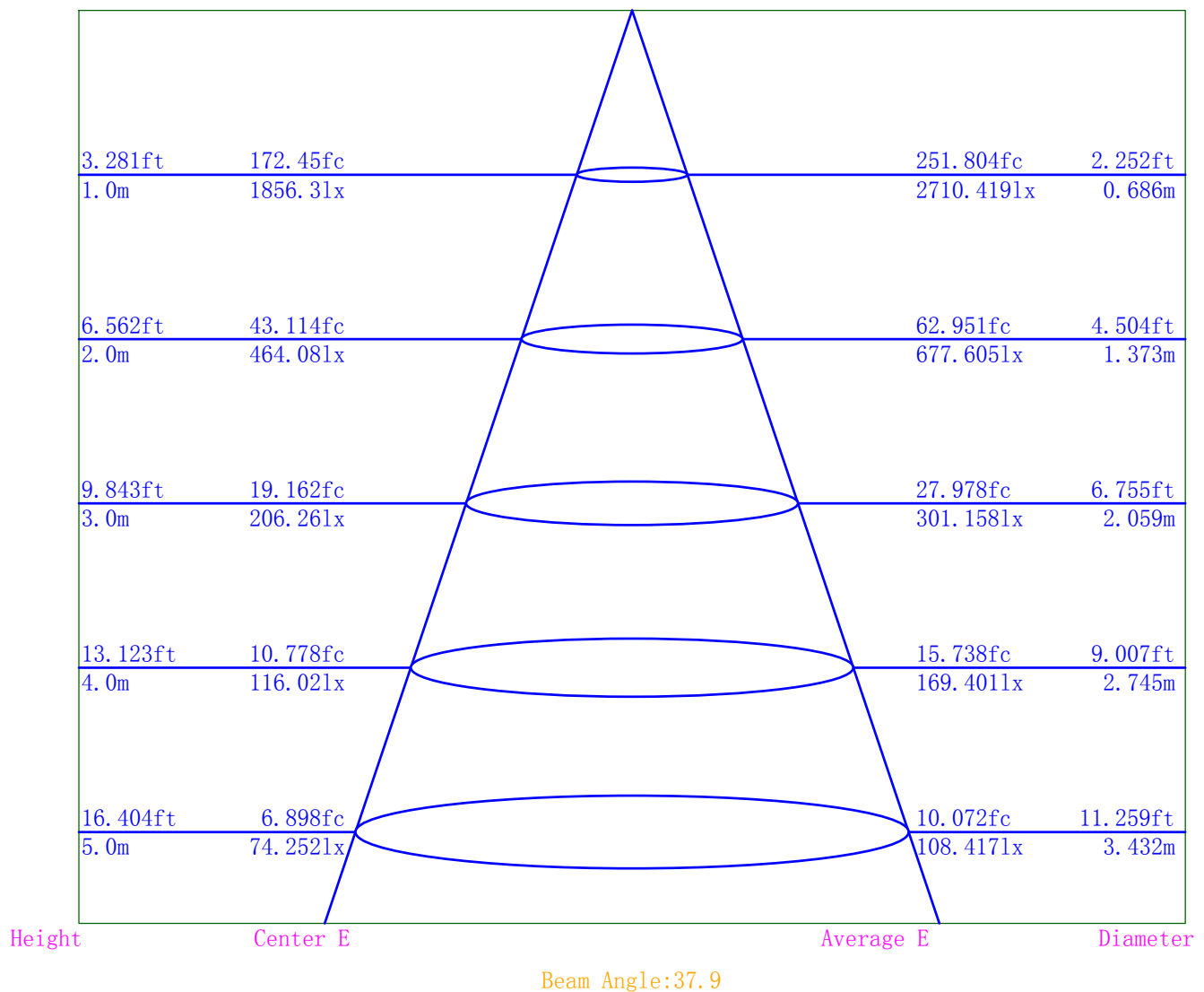
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

Illuminance-Distance Diagram

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

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

Indoor Luminance Limiting Curves

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

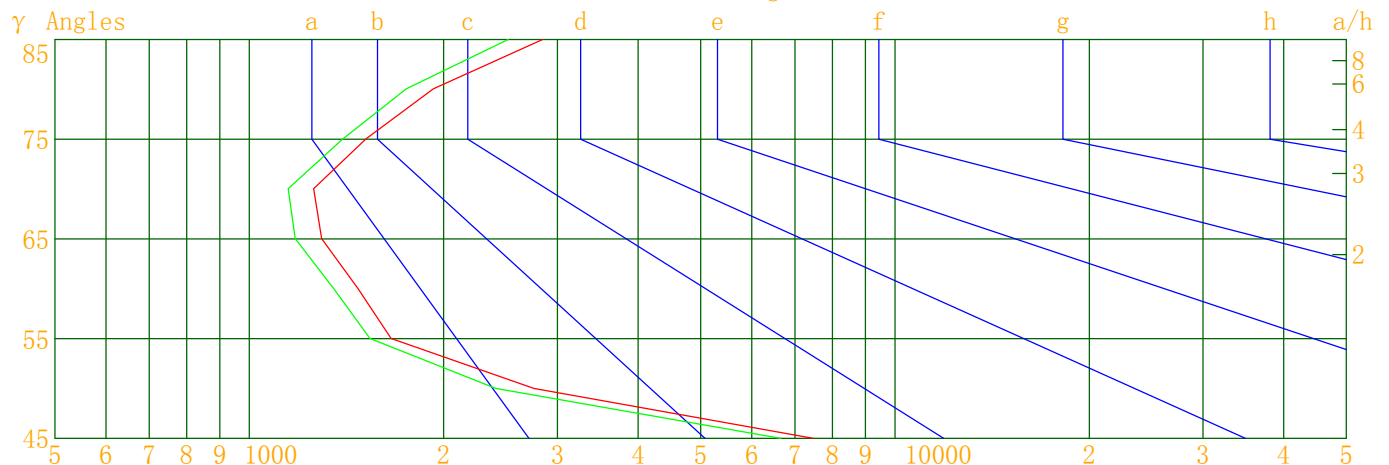
Glare Grade Table

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	7476	2759	1658	1473	1294	1258	1517	1928	2845
C90	6652	2408	1538	1351	1178	1149	1397	1750	2516

Luminance Limiting Curve



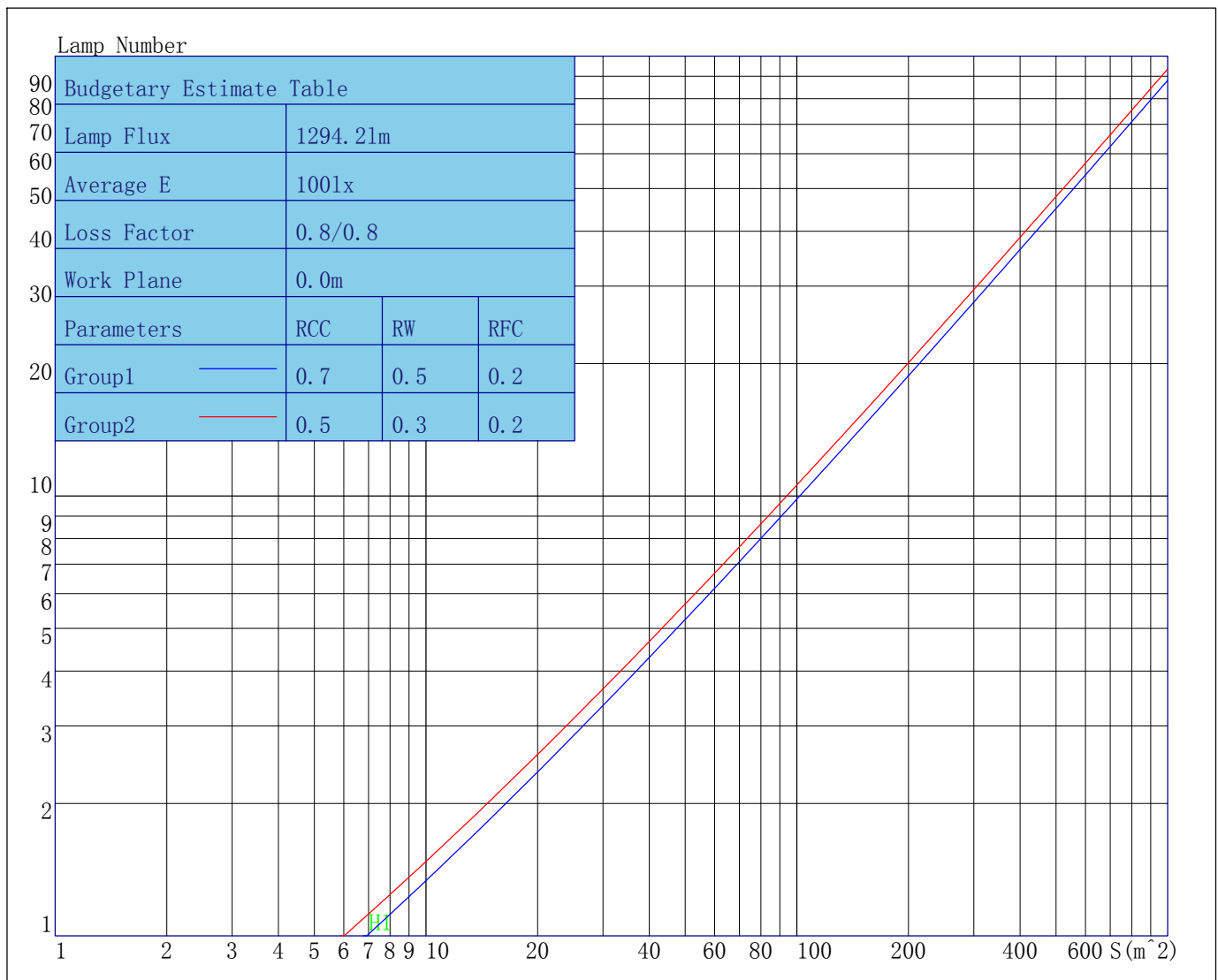
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m²)=0.040000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-02 4000K 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: 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

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-XX-02 4000K 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: 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	104	109	107	104	102	102	100	98	98	96	95	94	93	92	90
2	106	101	96	92	103	99	95	91	95	92	89	91	89	86	88	86	84	82
3	100	93	88	83	98	92	87	83	88	84	81	86	82	79	83	80	78	76
4	95	87	81	76	93	85	80	76	83	78	74	80	76	73	78	75	72	70
5	90	81	75	70	88	80	74	70	78	72	69	76	71	68	74	70	67	65
6	85	76	69	65	83	75	69	64	73	68	64	71	67	63	70	66	62	61
7	81	71	65	60	79	70	64	60	69	63	59	67	62	59	66	62	58	57
8	77	67	61	56	75	66	60	56	65	59	56	63	59	55	62	58	55	53
9	73	63	57	53	72	62	57	53	61	56	52	60	55	52	59	55	52	50
10	70	60	54	50	68	59	53	50	58	53	49	57	52	49	56	52	49	47

Unified Glare Rating Table

Lum. Name: MD10-13-XX-02 4000K RA90 38D	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: 2019/12/23

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	14.9	16.0	15.3	16.3	16.7	14.5	15.6	15.0	16.0	16.4
	14.9	15.9	15.4	16.3	16.7	14.6	15.5	15.0	15.9	16.4
	15.0	15.9	15.5	16.3	16.8	14.7	15.6	15.1	16.0	16.4
	15.2	16.0	15.7	16.5	16.9	14.9	15.7	15.3	16.1	16.6
	15.4	16.1	15.9	16.6	17.1	15.0	15.7	15.5	16.2	16.7
	15.5	16.3	16.0	16.7	17.2	15.1	15.8	15.6	16.3	16.8
X=4H Y=2H	14.7	15.6	15.2	16.0	16.5	14.4	15.3	14.8	15.7	16.1
	14.9	15.6	15.3	16.0	16.5	14.5	15.2	15.0	15.7	16.2
	15.1	15.7	15.6	16.2	16.7	14.7	15.4	15.2	15.8	16.3
	15.4	16.0	16.0	16.5	17.0	15.1	15.6	15.6	16.1	16.6
	15.7	16.2	16.2	16.7	17.2	15.3	15.8	15.8	16.3	16.8
	16.0	16.4	16.5	17.0	17.5	15.5	16.0	16.1	16.5	17.0
X=8H Y=4H	15.1	15.6	15.6	16.1	16.6	14.7	15.3	15.2	15.8	16.3
	15.6	16.0	16.2	16.6	17.2	15.2	15.7	15.8	16.2	16.8
	16.0	16.4	16.5	16.9	17.5	15.6	15.9	16.1	16.5	17.1
	16.4	16.8	17.0	17.3	17.9	16.0	16.3	16.5	16.8	17.5
X=12H Y=4H	15.1	15.5	15.6	16.1	16.6	14.7	15.2	15.3	15.7	16.3
	15.7	16.0	16.2	16.6	17.2	15.3	15.7	15.8	16.2	16.8
	16.1	16.4	16.6	17.0	17.6	15.7	16.0	16.2	16.5	17.2
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.2				
S=1.5H	0.2/-0.3					0.2/-0.3				
S=2.0H	0.2/-0.2					0.2/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.4					1.3				

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	1856.30	1856.30	1856.30	1856.30
γ 1.0	1873.54	1861.67	1829.56	1835.06
γ 2.0	1881.28	1860.35	1797.44	1806.62
γ 3.0	1871.54	1845.82	1766.83	1778.24
γ 4.0	1857.79	1824.51	1734.93	1748.14
γ 5.0	1834.53	1798.68	1694.96	1715.44
γ 6.0	1808.01	1770.09	1653.70	1677.32
γ 7.0	1778.27	1737.99	1608.21	1637.44
γ 8.0	1745.86	1700.45	1559.55	1590.71
γ 9.0	1704.37	1655.95	1507.12	1541.47
γ 10.0	1654.26	1605.13	1451.33	1487.46
γ 11.0	1601.05	1549.64	1392.38	1431.44
γ 12.0	1541.58	1488.74	1331.53	1372.06
γ 13.0	1478.51	1422.15	1264.88	1307.84
γ 14.0	1412.43	1357.18	1194.05	1238.22
γ 15.0	1345.37	1288.57	1123.26	1166.22
γ 16.0	1274.07	1216.84	1049.64	1095.04
γ 17.0	1199.77	1143.46	976.90	1023.45
γ 18.0	1122.04	1066.99	906.83	953.04
γ 19.0	1044.41	992.21	839.46	883.52
γ 20.0	967.86	919.70	775.33	816.85
γ 21.0	893.16	848.61	717.92	755.54
γ 22.0	823.17	784.37	670.77	702.90
γ 23.0	763.23	729.83	632.52	659.32
γ 24.0	712.87	683.23	600.98	624.30
γ 25.0	670.68	645.88	575.45	594.33
γ 26.0	635.30	615.03	552.76	570.00
γ 27.0	606.29	589.04	533.65	549.57
γ 28.0	581.23	566.89	517.09	531.91
γ 29.0	560.48	548.13	501.62	515.81
γ 30.0	542.39	531.18	486.63	500.31
γ 31.0	526.07	515.49	472.25	485.79
γ 32.0	511.62	501.49	458.70	471.27
γ 33.0	498.47	487.54	442.97	455.72
γ 34.0	485.16	473.97	423.78	438.63
γ 35.0	471.76	459.93	401.26	417.38
γ 36.0	458.67	445.19	375.38	392.18
γ 37.0	442.69	427.25	346.60	364.20
γ 38.0	421.85	404.96	316.07	334.06
γ 39.0	397.43	378.91	284.93	302.74
γ 40.0	369.93	349.68	253.74	270.57
γ 41.0	339.75	318.35	222.65	239.29
γ 42.0	308.33	285.31	192.62	208.09
γ 43.0	276.14	252.84	162.51	177.16
γ 44.0	243.86	220.44	134.61	147.56
γ 45.0	211.46	188.14	108.68	120.08
γ 46.0	179.61	157.46	86.23	95.26

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	148.82	128.64	67.23	74.43
γ 48.0	119.35	102.03	54.17	59.79
γ 49.0	93.12	78.85	46.41	50.99
γ 50.0	70.95	61.92	40.64	44.91
γ 51.0	56.22	50.19	36.66	40.13
γ 52.0	47.86	42.85	34.61	37.91
γ 53.0	42.48	39.00	32.89	36.08
γ 54.0	39.99	37.11	31.20	34.27
γ 55.0	38.05	35.29	29.59	32.66
γ 56.0	36.25	33.59	27.93	30.95
γ 57.0	34.57	31.96	26.58	29.49
γ 58.0	32.79	30.27	24.85	27.73
γ 59.0	31.33	28.77	23.38	26.14
γ 60.0	29.46	27.02	21.91	24.56
γ 61.0	27.84	25.45	20.52	23.05
γ 62.0	26.17	23.84	19.34	21.72
γ 63.0	24.56	22.32	18.34	20.58
γ 64.0	23.12	21.01	17.46	19.52
γ 65.0	21.88	19.91	16.70	18.56
γ 66.0	20.76	18.85	16.14	17.72
γ 67.0	19.70	17.90	15.76	17.08
γ 68.0	18.74	17.03	15.52	16.61
γ 69.0	17.90	16.28	15.33	16.38
γ 70.0	17.21	15.72	15.24	16.17
γ 71.0	16.69	15.30	15.07	16.00
γ 72.0	16.36	15.08	14.94	15.87
γ 73.0	16.16	14.89	14.69	15.49
γ 74.0	15.99	14.72	14.28	15.18
γ 75.0	15.70	14.46	13.96	14.80
γ 76.0	15.42	14.11	13.40	14.20
γ 77.0	15.03	13.79	12.95	13.92
γ 78.0	14.53	13.20	12.19	13.09
γ 79.0	14.04	12.80	11.36	12.51
γ 80.0	13.39	12.16	10.82	11.83
γ 81.0	12.68	11.36	10.22	11.02
γ 82.0	12.21	10.75	9.49	10.40
γ 83.0	11.24	10.11	8.95	9.71
γ 84.0	10.59	9.39	8.22	9.05
γ 85.0	9.92	8.77	7.48	8.36
γ 86.0	9.33	8.04	6.48	7.42
γ 87.0	8.57	7.34	5.64	6.79
γ 88.0	7.57	6.32	5.18	6.02
γ 89.0	6.79	5.40	5.06	5.84
γ 90.0	5.93	5.02	4.95	5.69
γ 91.0	5.76	4.91	4.84	5.55
γ 92.0	5.61	4.79	4.73	5.42
γ 93.0	5.47	4.69	4.64	5.30

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.34	4.59	4.55	5.18
γ 95.0	5.23	4.49	4.47	5.08
γ 96.0	5.12	4.41	4.38	4.97
γ 97.0	5.02	4.32	4.32	4.89
γ 98.0	4.93	4.26	4.26	4.80
γ 99.0	4.83	4.19	4.20	4.72
γ 100.0	4.74	4.13	4.15	4.66
γ 101.0	4.67	4.07	4.11	4.60
γ 102.0	4.59	4.02	4.07	4.54
γ 103.0	4.52	3.97	4.05	4.50
γ 104.0	4.47	3.93	4.02	4.45
γ 105.0	4.41	3.90	4.01	4.42
γ 106.0	4.36	3.87	4.00	4.39
γ 107.0	4.32	3.85	4.00	4.38
γ 108.0	4.28	3.82	4.00	4.36
γ 109.0	4.26	3.81	4.01	4.36
γ 110.0	4.24	3.81	4.03	4.36
γ 111.0	4.23	3.81	4.04	4.36
γ 112.0	4.21	3.81	4.07	4.38
γ 113.0	4.20	3.81	4.10	4.39
γ 114.0	4.20	3.84	4.14	4.41
γ 115.0	4.20	3.85	4.18	4.45
γ 116.0	4.21	3.88	4.22	4.47
γ 117.0	4.23	3.90	4.27	4.51
γ 118.0	4.24	3.93	4.33	4.55
γ 119.0	4.27	3.97	4.39	4.59
γ 120.0	4.30	4.01	4.45	4.64
γ 121.0	4.32	4.06	4.53	4.70
γ 122.0	4.37	4.10	4.59	4.76
γ 123.0	4.42	4.17	4.68	4.83
γ 124.0	4.47	4.22	4.76	4.90
γ 125.0	4.53	4.29	4.86	4.98
γ 126.0	4.60	4.36	4.96	5.07
γ 127.0	4.66	4.46	5.06	5.15
γ 128.0	4.74	4.54	5.17	5.25
γ 129.0	4.83	4.63	5.28	5.37
γ 130.0	4.92	4.74	5.43	5.47
γ 131.0	5.01	4.84	5.55	5.59
γ 132.0	5.12	4.96	5.69	5.71
γ 133.0	5.23	5.08	5.82	5.85
γ 134.0	5.35	5.21	5.97	5.98
γ 135.0	5.47	5.34	6.12	6.11
γ 136.0	5.61	5.49	6.26	6.24
γ 137.0	5.75	5.63	6.41	6.38
γ 138.0	5.89	5.78	6.56	6.52
γ 139.0	6.03	5.92	6.71	6.67
γ 140.0	6.17	6.06	6.85	6.81

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.31	6.21	7.00	6.95
γ 142.0	6.45	6.37	7.14	7.08
γ 143.0	6.61	6.51	7.28	7.22
γ 144.0	6.74	6.66	7.43	7.35
γ 145.0	6.89	6.81	7.57	7.49
γ 146.0	7.04	6.95	7.70	7.62
γ 147.0	7.18	7.08	7.84	7.75
γ 148.0	7.32	7.22	7.96	7.86
γ 149.0	7.47	7.36	8.10	7.99
γ 150.0	7.59	7.49	8.22	8.11
γ 151.0	7.73	7.63	8.36	8.23
γ 152.0	7.87	7.75	8.48	8.34
γ 153.0	8.00	7.89	8.59	8.46
γ 154.0	8.14	8.02	8.71	8.57
γ 155.0	8.26	8.14	8.83	8.68
γ 156.0	8.39	8.27	8.95	8.80
γ 157.0	8.53	8.39	9.06	8.88
γ 158.0	8.65	8.51	9.16	8.99
γ 159.0	8.77	8.65	9.25	9.09
γ 160.0	8.89	8.75	9.35	9.16
γ 161.0	9.00	8.86	9.43	9.25
γ 162.0	9.10	8.98	9.51	9.34
γ 163.0	9.20	9.07	9.59	9.40
γ 164.0	9.31	9.16	9.65	9.46
γ 165.0	9.40	9.24	9.73	9.52
γ 166.0	9.47	9.32	9.78	9.59
γ 167.0	9.55	9.40	9.84	9.64
γ 168.0	9.64	9.47	9.88	9.70
γ 169.0	9.70	9.54	9.94	9.75
γ 170.0	9.77	9.59	9.99	9.80
γ 171.0	9.85	9.66	10.04	9.85
γ 172.0	9.93	9.73	10.10	9.91
γ 173.0	9.99	9.78	10.14	9.95
γ 174.0	10.05	9.85	10.18	9.99
γ 175.0	10.11	9.92	10.23	10.04
γ 176.0	10.17	9.97	10.26	10.08
γ 177.0	10.23	10.01	10.29	10.13
γ 178.0	10.27	10.05	10.31	10.16
γ 179.0	10.29	10.09	10.33	10.17
γ 180.0	10.27	10.27	10.27	10.27