

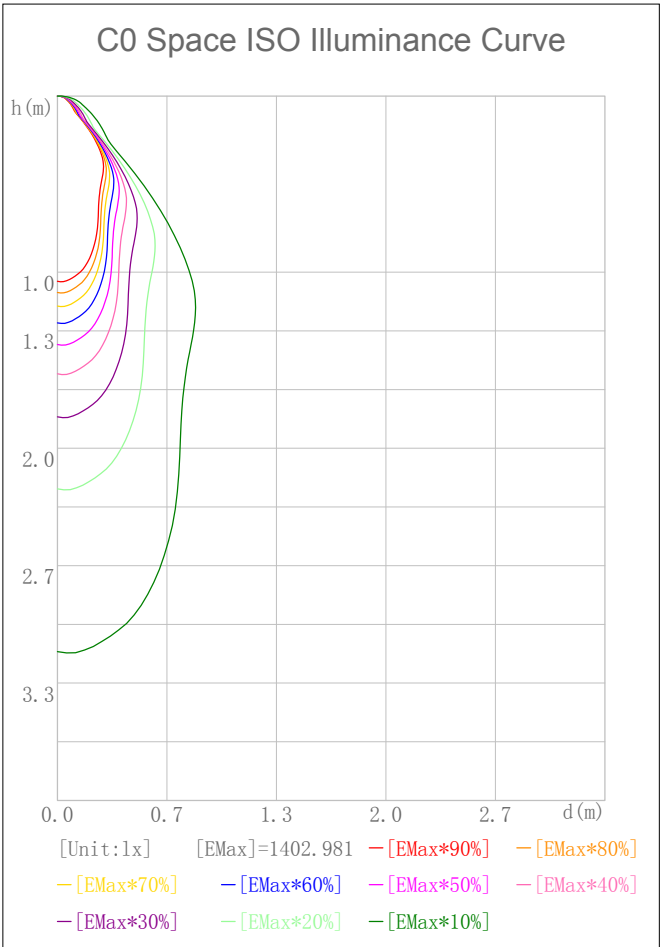
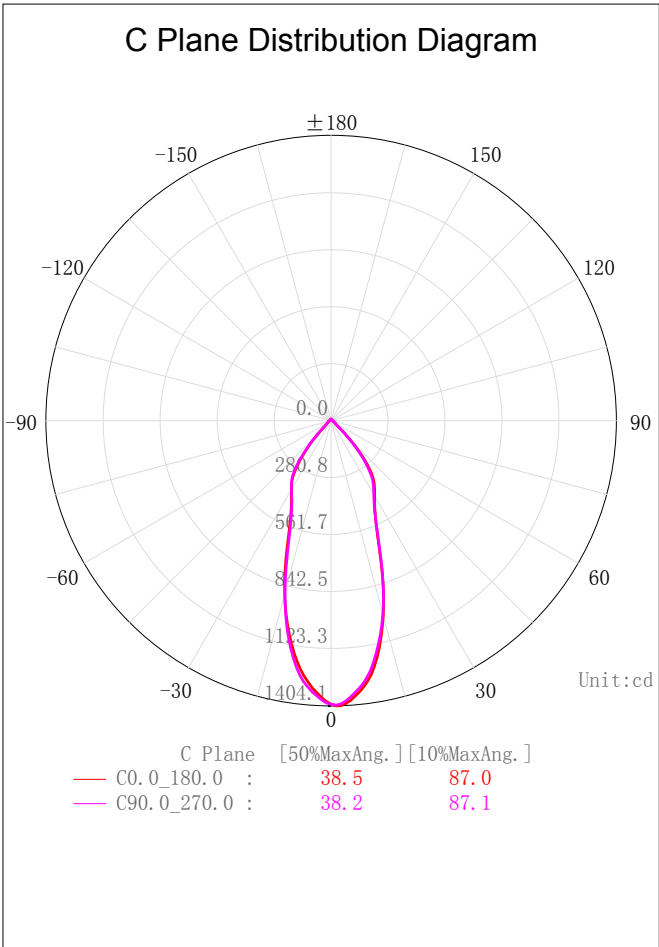
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-02 2700K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/20
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): 984.720	Luminary Flux(lm): 984.715	Field Angle(10%Imax): 87.0(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 958.723lm 97.36%
Rated Voltage(V):	Luminary EER(lm/W): 80.254	Up Lumens&Percent: 25.992lm 2.64%
Tested Power(W): 12.270	Max. Candela(cd): 1404.126	S/MH: C0_a180=0.627 C90_270=0.623
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.1, 0.053, 0.950	Beam Angle(50%Imax): 38.5(°)	ErP Φ use(90°): 872.365lm
Lamp Size(W*L*H):0.050m*0.050m*0.750m	Left=-18.4°, Right=20.1°	IRF(%): 312.540



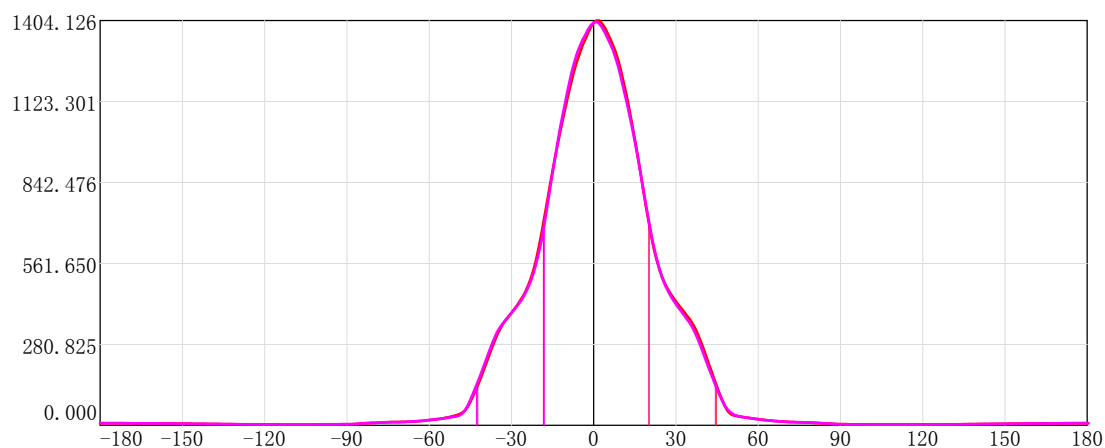
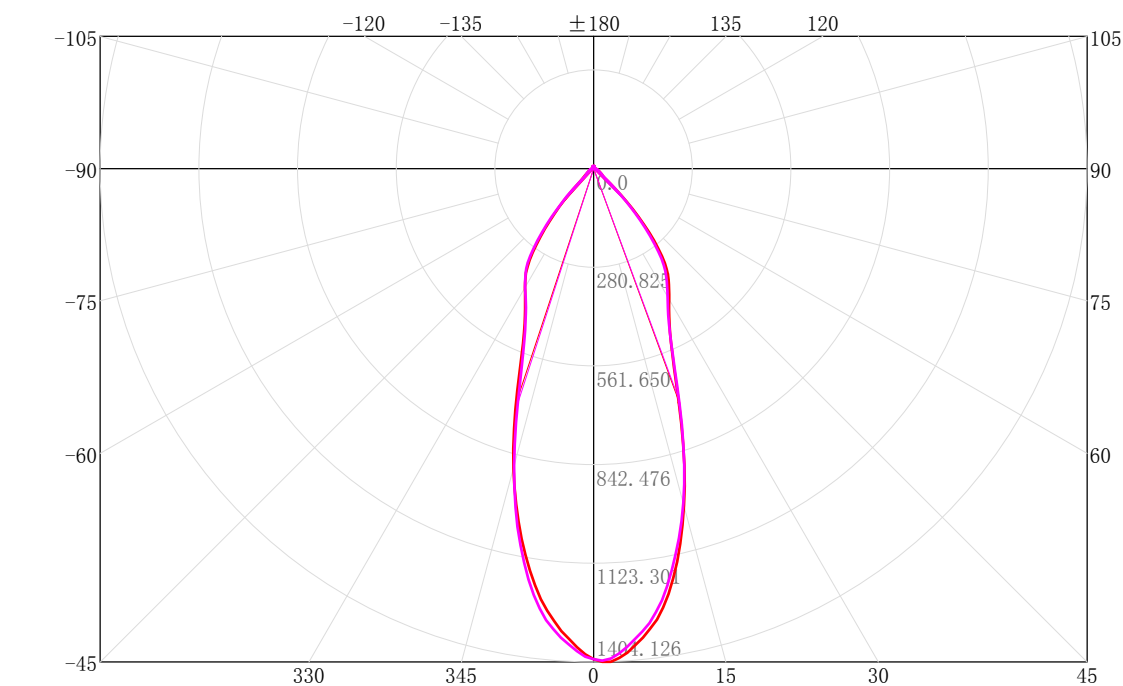
IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-02 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: 2019/12/20

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]
— C0.0_180.0 : 38.5 87.0
— C90.0_270.0 : 38.2 87.1

Unit:cd

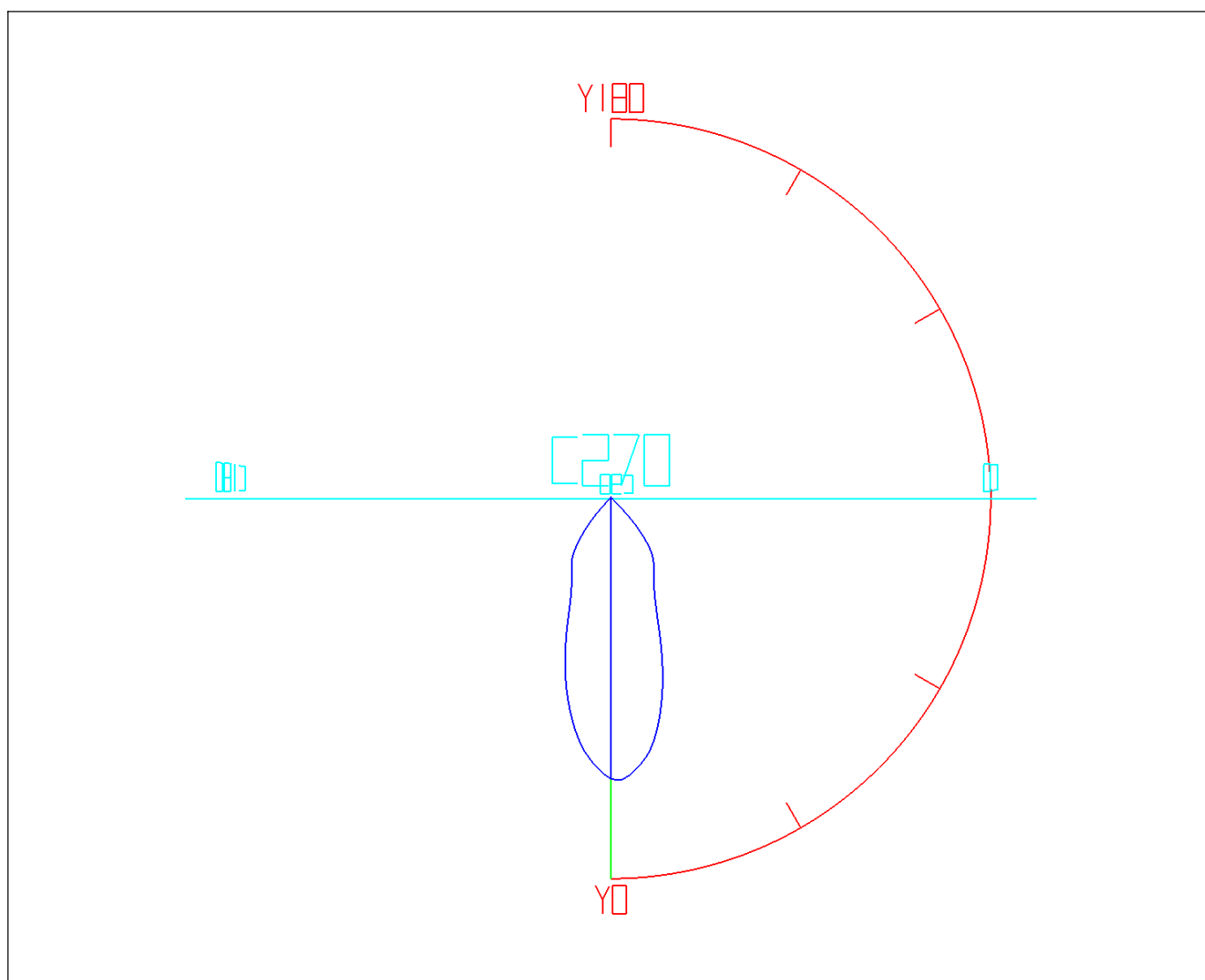
IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-02 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: 2019/12/20

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

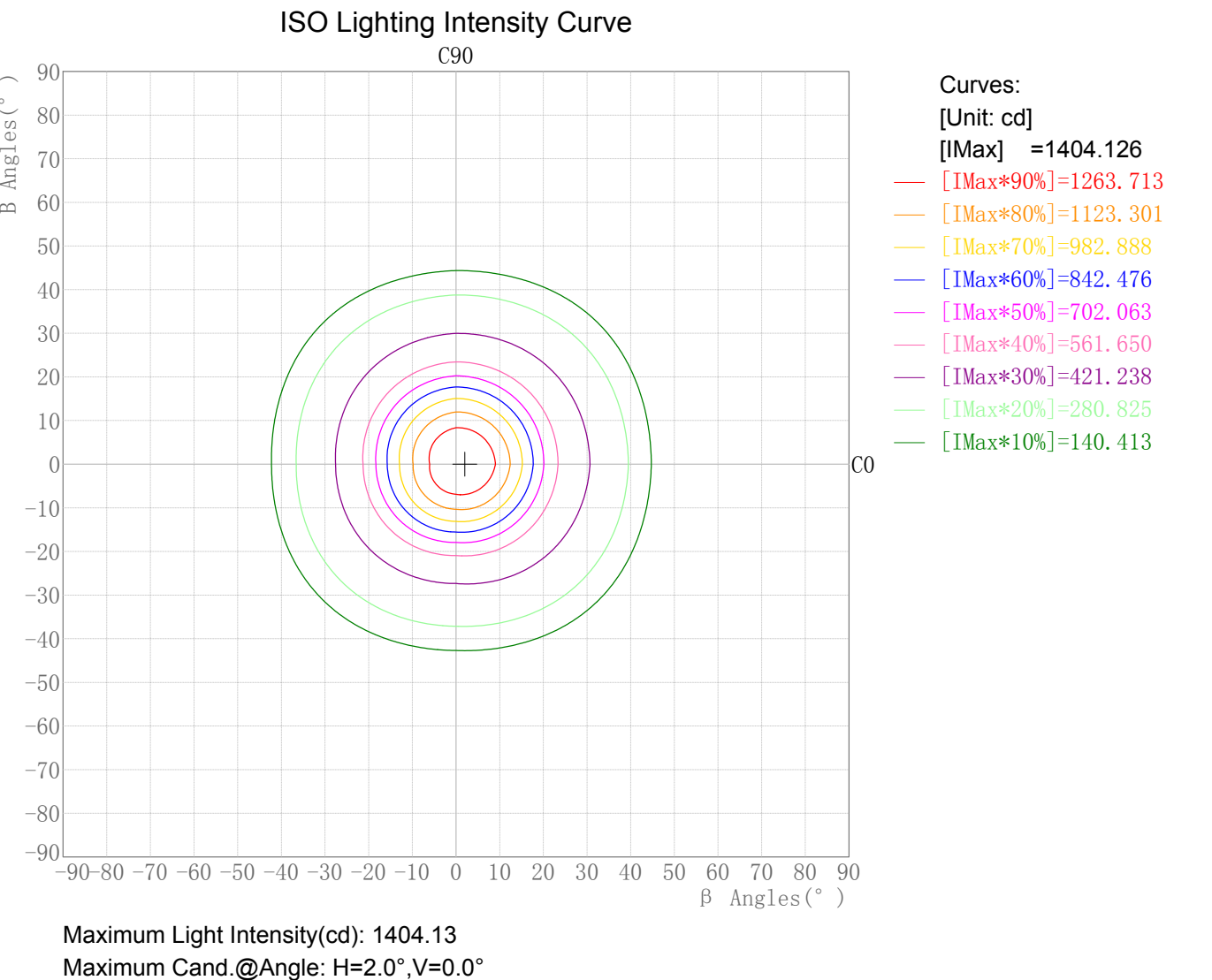
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.33	1.33	0.14	0.14	47.0-48.0	4.93	892.96	0.50	90.68
1.0-2.0	3.99	5.32	0.40	0.54	48.0-49.0	4.02	896.98	0.41	91.09
2.0-3.0	6.58	11.90	0.67	1.21	49.0-50.0	3.41	900.39	0.35	91.44
3.0-4.0	9.10	21.00	0.92	2.13	50.0-51.0	3.04	903.43	0.31	91.74
4.0-5.0	11.52	32.52	1.17	3.30	51.0-52.0	2.82	906.24	0.29	92.03
5.0-6.0	13.84	46.36	1.41	4.71	52.0-53.0	2.66	908.90	0.27	92.30
6.0-7.0	16.04	62.41	1.63	6.34	53.0-54.0	2.53	911.43	0.26	92.56
7.0-8.0	18.09	80.50	1.84	8.17	54.0-55.0	2.42	913.86	0.25	92.80
8.0-9.0	19.94	100.44	2.03	10.20	55.0-56.0	2.32	916.18	0.24	93.04
9.0-10.0	21.58	122.02	2.19	12.39	56.0-57.0	2.23	918.40	0.23	93.27
10.0-11.0	22.99	145.01	2.34	14.73	57.0-58.0	2.14	920.54	0.22	93.48
11.0-12.0	24.18	169.20	2.46	17.18	58.0-59.0	2.04	922.58	0.21	93.69
12.0-13.0	25.15	194.35	2.55	19.74	59.0-60.0	1.95	924.53	0.20	93.89
13.0-14.0	25.87	220.22	2.63	22.36	60.0-61.0	1.86	926.39	0.19	94.08
14.0-15.0	26.35	246.57	2.68	25.04	61.0-62.0	1.77	928.17	0.18	94.26
15.0-16.0	26.57	273.14	2.70	27.74	62.0-63.0	1.69	929.86	0.17	94.43
16.0-17.0	26.52	299.66	2.69	30.43	63.0-64.0	1.62	931.48	0.16	94.59
17.0-18.0	26.22	325.88	2.66	33.09	64.0-65.0	1.55	933.02	0.16	94.75
18.0-19.0	25.72	351.60	2.61	35.71	65.0-66.0	1.48	934.51	0.15	94.90
19.0-20.0	25.10	376.70	2.55	38.25	66.0-67.0	1.42	935.93	0.14	95.05
20.0-21.0	24.42	401.12	2.48	40.73	67.0-68.0	1.37	937.30	0.14	95.18
21.0-22.0	23.81	424.94	2.42	43.15	68.0-69.0	1.32	938.62	0.13	95.32
22.0-23.0	23.32	448.26	2.37	45.52	69.0-70.0	1.28	939.91	0.13	95.45
23.0-24.0	22.95	471.21	2.33	47.85	70.0-71.0	1.25	941.16	0.13	95.58
24.0-25.0	22.68	493.89	2.30	50.16	71.0-72.0	1.23	942.39	0.13	95.70
25.0-26.0	22.49	516.38	2.28	52.44	72.0-73.0	1.22	943.61	0.12	95.83
26.0-27.0	22.39	538.77	2.27	54.71	73.0-74.0	1.20	944.82	0.12	95.95
27.0-28.0	22.35	561.12	2.27	56.98	74.0-75.0	1.19	946.01	0.12	96.07
28.0-29.0	22.34	583.46	2.27	59.25	75.0-76.0	1.17	947.17	0.12	96.19
29.0-30.0	22.35	605.81	2.27	61.52	76.0-77.0	1.14	948.32	0.12	96.30
30.0-31.0	22.34	628.15	2.27	63.79	77.0-78.0	1.11	949.42	0.11	96.42
31.0-32.0	22.31	650.46	2.27	66.05	78.0-79.0	1.07	950.49	0.11	96.52
32.0-33.0	22.23	672.68	2.26	68.31	79.0-80.0	1.02	951.52	0.10	96.63
33.0-34.0	22.04	694.73	2.24	70.55	80.0-81.0	0.98	952.49	0.10	96.73
34.0-35.0	21.72	716.45	2.21	72.76	81.0-82.0	0.92	953.41	0.09	96.82
35.0-36.0	21.20	737.65	2.15	74.91	82.0-83.0	0.87	954.28	0.09	96.91
36.0-37.0	20.45	758.10	2.08	76.99	83.0-84.0	0.82	955.10	0.08	96.99
37.0-38.0	19.47	777.58	1.98	78.96	84.0-85.0	0.76	955.86	0.08	97.07
38.0-39.0	18.29	795.87	1.86	80.82	85.0-86.0	0.70	956.56	0.07	97.14
39.0-40.0	16.94	812.81	1.72	82.54	86.0-87.0	0.63	957.19	0.06	97.20
40.0-41.0	15.49	828.30	1.57	84.12	87.0-88.0	0.56	957.76	0.06	97.26
41.0-42.0	13.94	842.24	1.42	85.53	88.0-89.0	0.50	958.26	0.05	97.31
42.0-43.0	12.33	854.58	1.25	86.78	89.0-90.0	0.46	958.72	0.05	97.36
43.0-44.0	10.71	865.28	1.09	87.87	90.0-91.0	0.44	959.16	0.04	97.40
44.0-45.0	9.09	874.38	0.92	88.79	91.0-92.0	0.43	959.59	0.04	97.45
45.0-46.0	7.53	881.91	0.77	89.56	92.0-93.0	0.42	960.01	0.04	97.49
46.0-47.0	6.12	888.03	0.62	90.18	93.0-94.0	0.41	960.42	0.04	97.53

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	0.40	960.82	0.04	97.57	141.0-142.0	0.35	976.33	0.04	99.15
95.0-96.0	0.39	961.21	0.04	97.61	142.0-143.0	0.35	976.67	0.04	99.18
96.0-97.0	0.38	961.60	0.04	97.65	143.0-144.0	0.34	977.02	0.03	99.22
97.0-98.0	0.37	961.97	0.04	97.69	144.0-145.0	0.34	977.36	0.03	99.25
98.0-99.0	0.37	962.34	0.04	97.73	145.0-146.0	0.34	977.70	0.03	99.29
99.0-100.0	0.36	962.70	0.04	97.76	146.0-147.0	0.34	978.04	0.03	99.32
100.0-101.0	0.35	963.05	0.04	97.80	147.0-148.0	0.34	978.37	0.03	99.36
101.0-102.0	0.35	963.40	0.04	97.84	148.0-149.0	0.33	978.71	0.03	99.39
102.0-103.0	0.34	963.74	0.03	97.87	149.0-150.0	0.33	979.03	0.03	99.42
103.0-104.0	0.34	964.08	0.03	97.90	150.0-151.0	0.32	979.36	0.03	99.46
104.0-105.0	0.33	964.42	0.03	97.94	151.0-152.0	0.32	979.67	0.03	99.49
105.0-106.0	0.33	964.74	0.03	97.97	152.0-153.0	0.31	979.99	0.03	99.52
106.0-107.0	0.33	965.07	0.03	98.00	153.0-154.0	0.31	980.29	0.03	99.55
107.0-108.0	0.32	965.39	0.03	98.04	154.0-155.0	0.30	980.59	0.03	99.58
108.0-109.0	0.32	965.71	0.03	98.07	155.0-156.0	0.29	980.89	0.03	99.61
109.0-110.0	0.32	966.03	0.03	98.10	156.0-157.0	0.29	981.17	0.03	99.64
110.0-111.0	0.31	966.34	0.03	98.13	157.0-158.0	0.28	981.45	0.03	99.67
111.0-112.0	0.31	966.65	0.03	98.17	158.0-159.0	0.27	981.72	0.03	99.70
112.0-113.0	0.31	966.96	0.03	98.20	159.0-160.0	0.26	981.98	0.03	99.72
113.0-114.0	0.31	967.27	0.03	98.23	160.0-161.0	0.25	982.23	0.03	99.75
114.0-115.0	0.31	967.58	0.03	98.26	161.0-162.0	0.24	982.47	0.02	99.77
115.0-116.0	0.31	967.89	0.03	98.29	162.0-163.0	0.23	982.70	0.02	99.80
116.0-117.0	0.31	968.20	0.03	98.32	163.0-164.0	0.22	982.92	0.02	99.82
117.0-118.0	0.31	968.51	0.03	98.35	164.0-165.0	0.21	983.13	0.02	99.84
118.0-119.0	0.31	968.82	0.03	98.39	165.0-166.0	0.20	983.33	0.02	99.86
119.0-120.0	0.31	969.13	0.03	98.42	166.0-167.0	0.19	983.51	0.02	99.88
120.0-121.0	0.31	969.44	0.03	98.45	167.0-168.0	0.17	983.69	0.02	99.89
121.0-122.0	0.31	969.75	0.03	98.48	168.0-169.0	0.16	983.85	0.02	99.91
122.0-123.0	0.31	970.06	0.03	98.51	169.0-170.0	0.15	983.99	0.01	99.93
123.0-124.0	0.31	970.37	0.03	98.54	170.0-171.0	0.13	984.13	0.01	99.94
124.0-125.0	0.31	970.68	0.03	98.57	171.0-172.0	0.12	984.25	0.01	99.95
125.0-126.0	0.32	971.00	0.03	98.61	172.0-173.0	0.11	984.36	0.01	99.96
126.0-127.0	0.32	971.31	0.03	98.64	173.0-174.0	0.09	984.45	0.01	99.97
127.0-128.0	0.32	971.63	0.03	98.67	174.0-175.0	0.08	984.53	0.01	99.98
128.0-129.0	0.32	971.95	0.03	98.70	175.0-176.0	0.07	984.60	0.01	99.99
129.0-130.0	0.32	972.28	0.03	98.74	176.0-177.0	0.05	984.65	0.01	99.99
130.0-131.0	0.33	972.60	0.03	98.77	177.0-178.0	0.04	984.69	0.00	100.00
131.0-132.0	0.33	972.93	0.03	98.80	178.0-179.0	0.02	984.71	0.00	100.00
132.0-133.0	0.33	973.26	0.03	98.84	179.0-180.0	0.01	984.72	0.00	100.00
133.0-134.0	0.33	973.59	0.03	98.87					
134.0-135.0	0.34	973.93	0.03	98.90					
135.0-136.0	0.34	974.27	0.03	98.94					
136.0-137.0	0.34	974.61	0.03	98.97					
137.0-138.0	0.34	974.95	0.03	99.01					
138.0-139.0	0.34	975.29	0.03	99.04					
139.0-140.0	0.34	975.64	0.03	99.08					
140.0-141.0	0.35	975.98	0.04	99.11					

Rectangle ISO Lighting Intensity Diagram

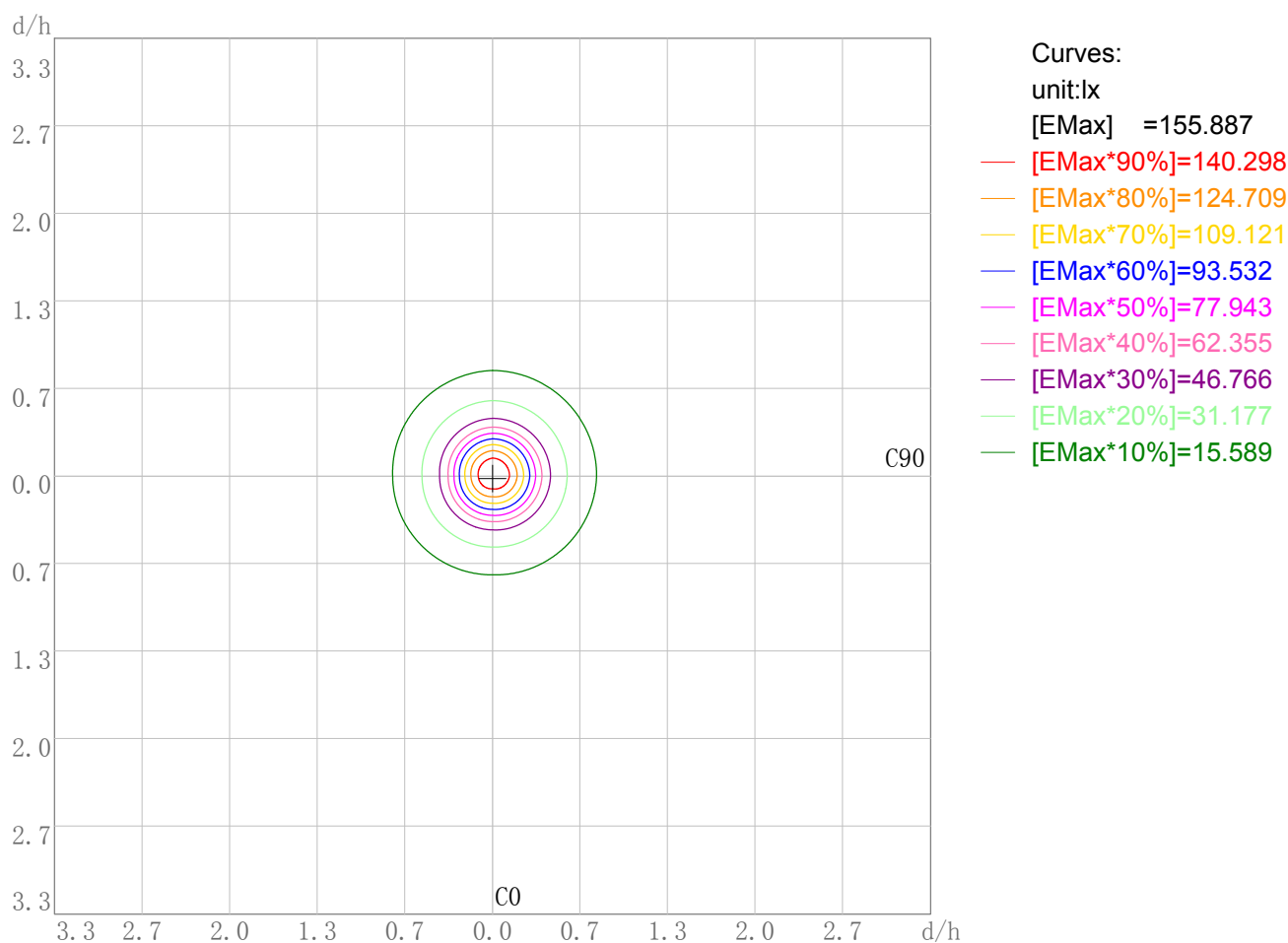
Lum. Name:MD10-13-XX-02 2700K RA90 38D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/20



Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-02 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: 2019/12/20

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 155.89

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

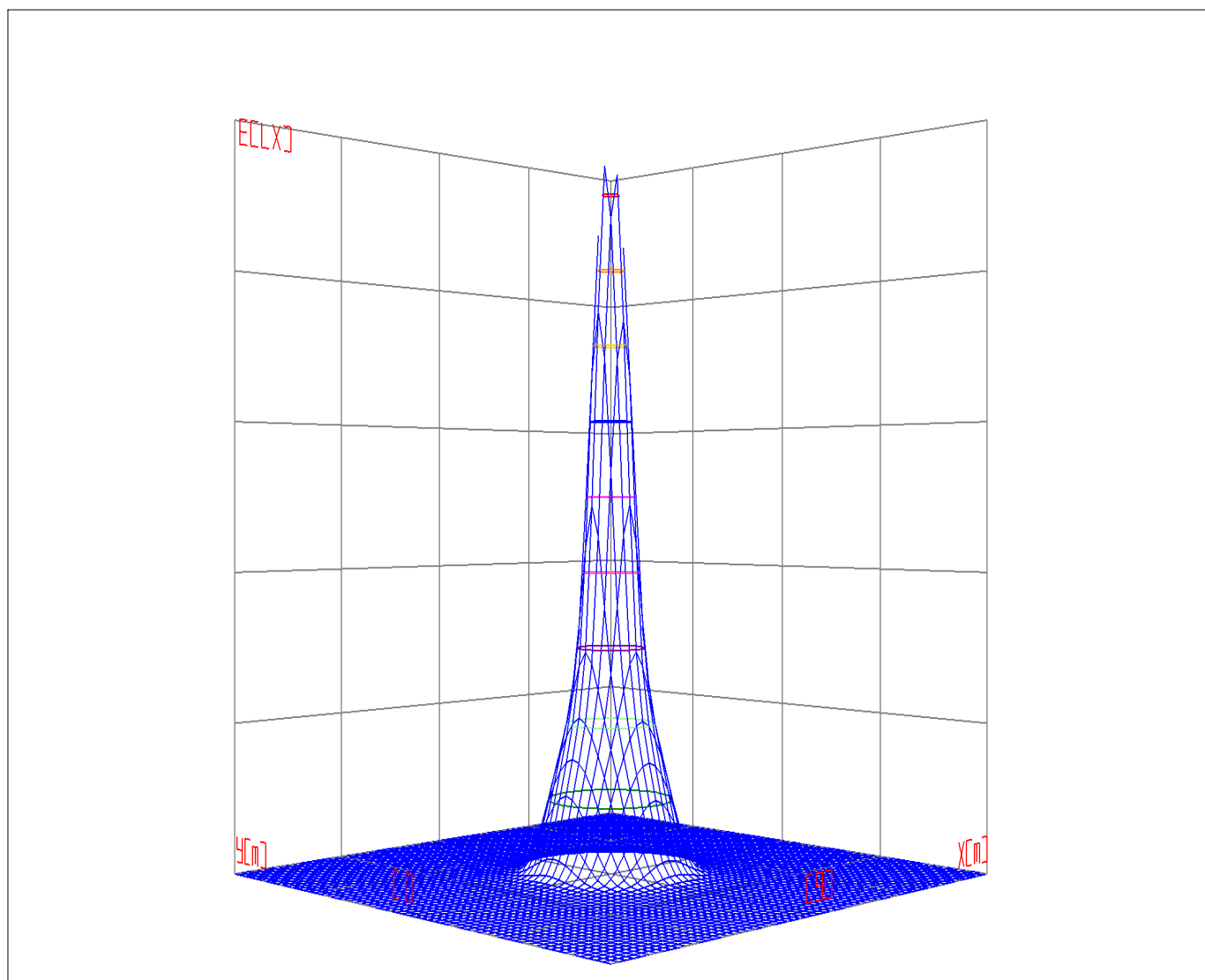
IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-02 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: 2019/12/20

3D Plane Illuminance Modal

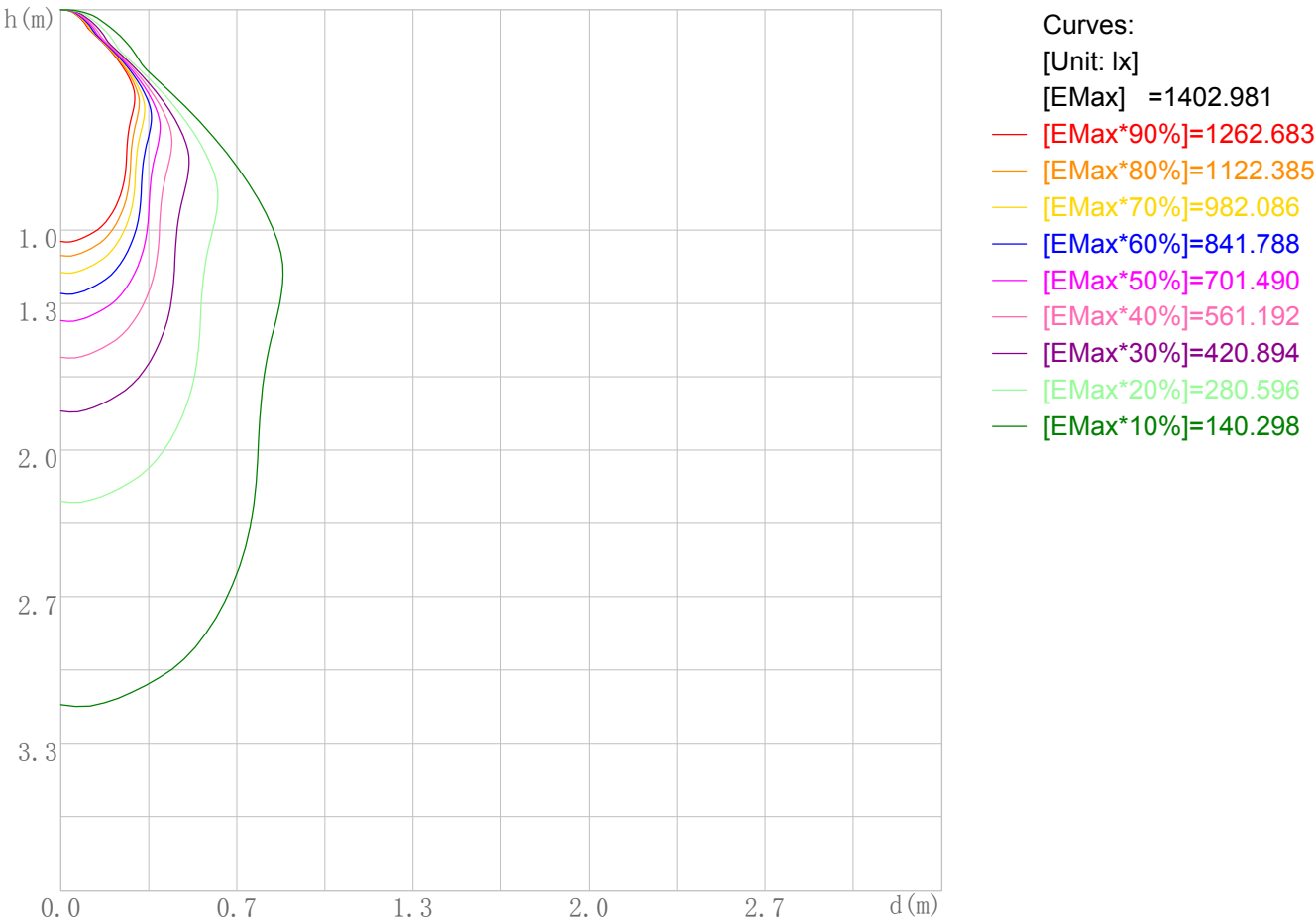


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:MD10-13-XX-02 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:2019/12/20

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1402.98lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1404.126cd,0deg

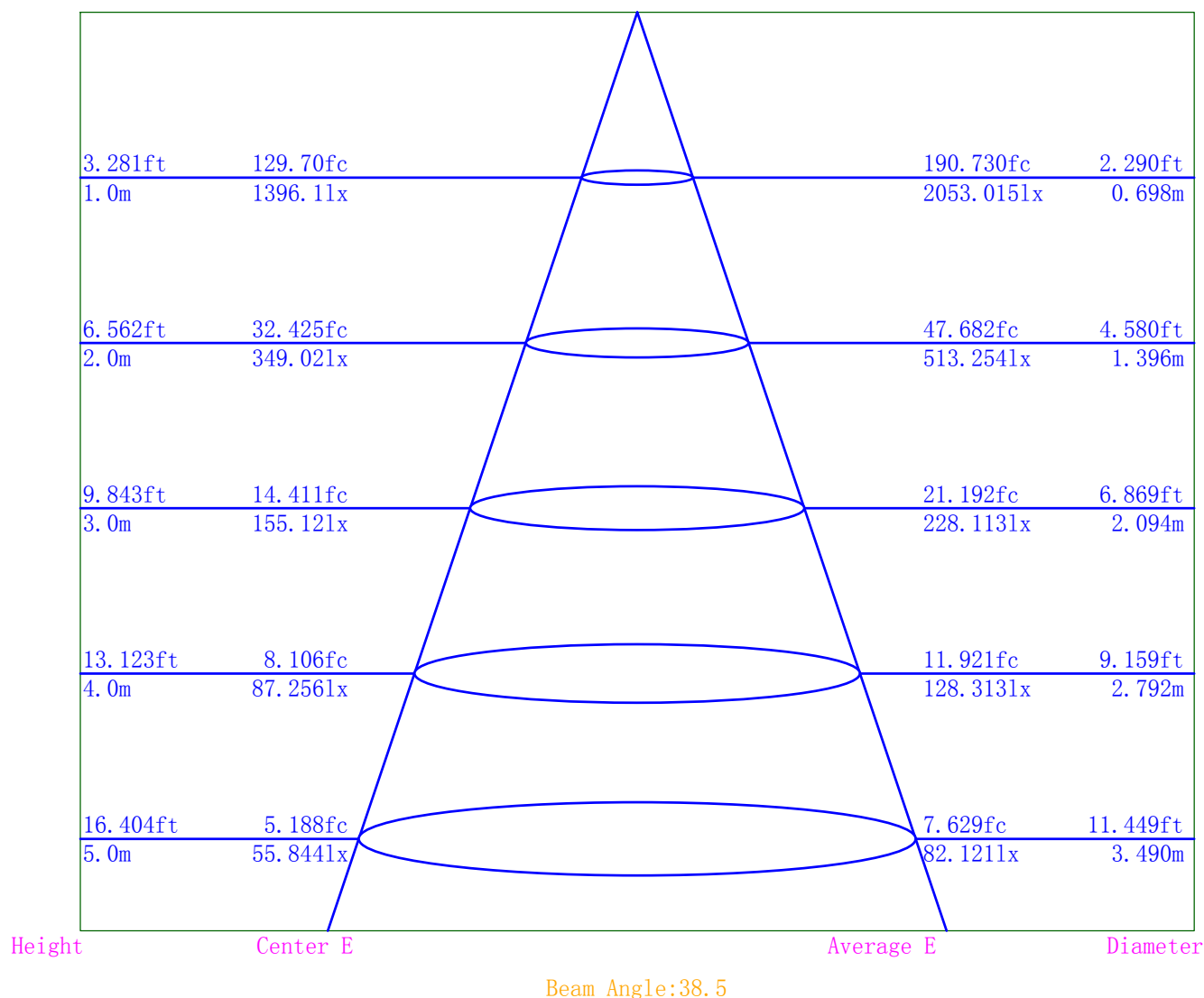
IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-02 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: 2019/12/20

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-02 2700K RA90 38D	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: 2019/12/20

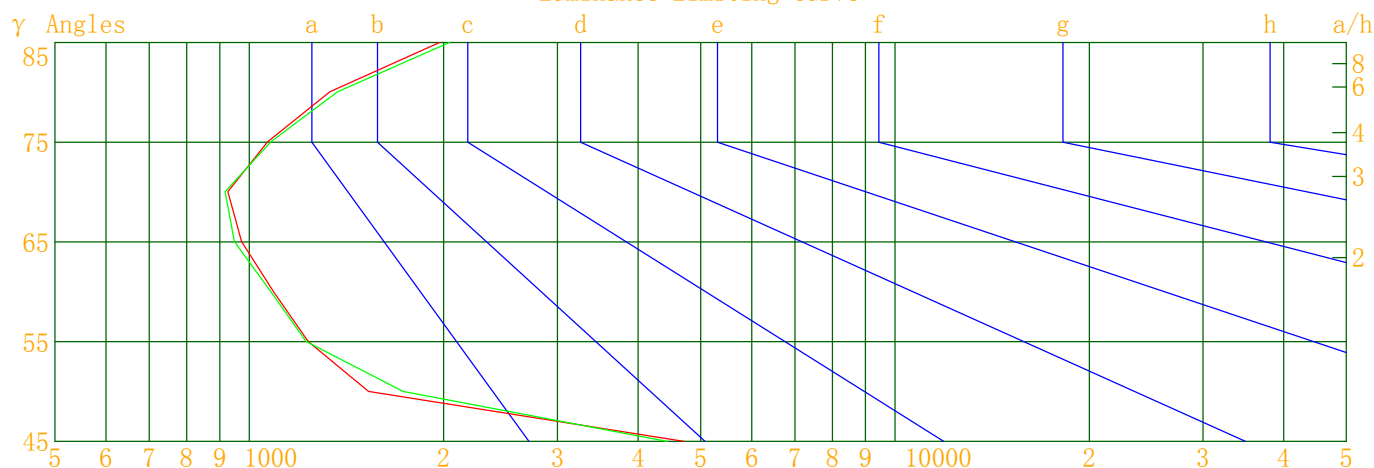
Glare Grade Table

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	4710	1530	1234	1090	973	926	1068	1333	1970
C90	4433	1731	1224	1080	948	917	1080	1369	2041

Luminance Limiting Curve



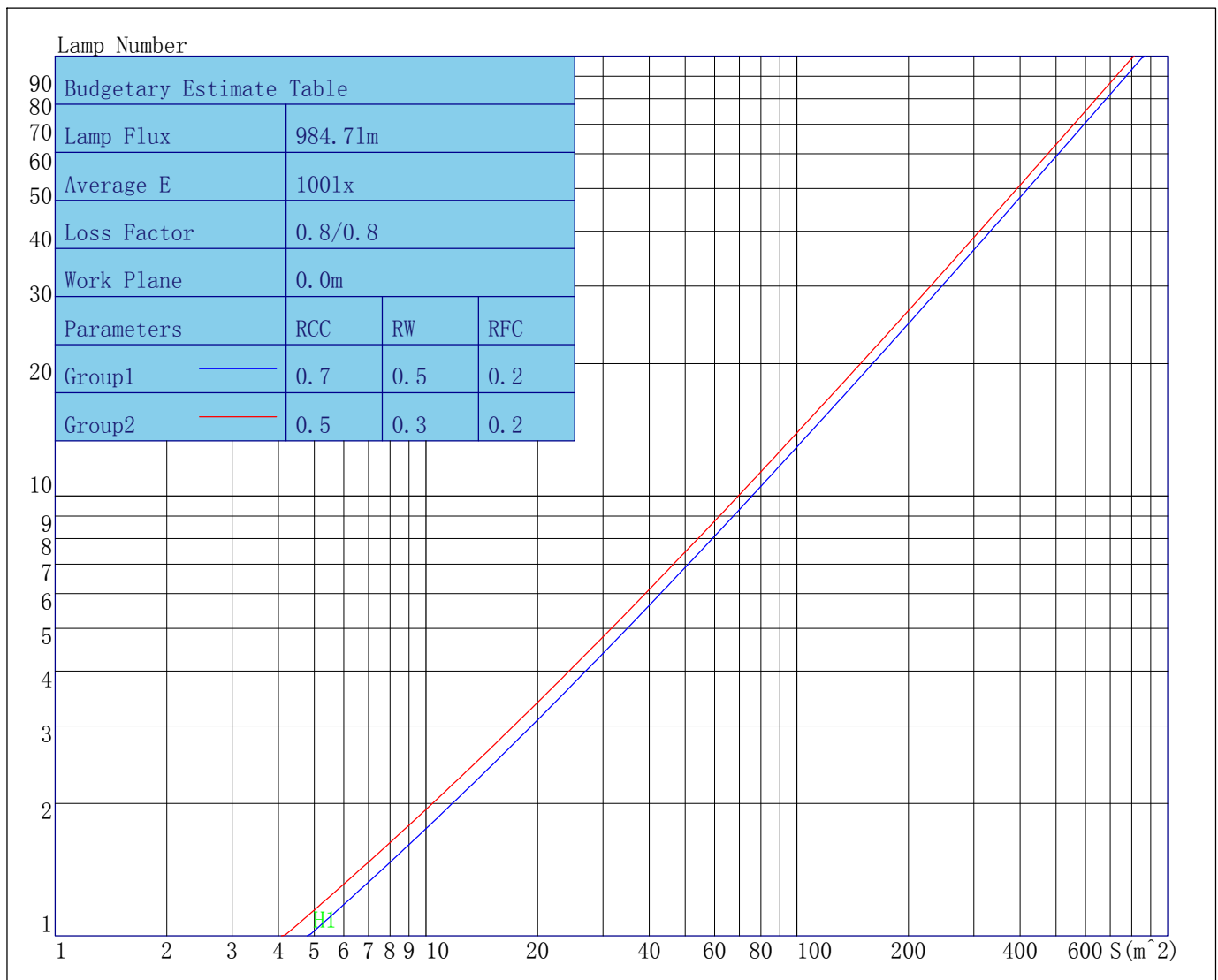
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m^2)=0.040000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-02 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: 2019/12/20



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 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: 2019/12/20

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	92	89	86	88	86	84	82
3	100	93	88	84	98	92	87	83	89	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	73	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	63	61
7	81	71	65	60	79	70	64	60	69	63	60	67	63	59	66	62	59	57
8	77	67	61	56	75	66	60	56	65	59	56	64	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	69	59	53	50	58	53	49	57	52	49	56	52	49	47

Unified Glare Rating Table

Lum. Name: MD10-13-XX-02 2700K 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: 2019/12/20

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	13.6	14.7	14.0	15.0	15.4	13.4	14.4	13.8	14.8	15.2
	13.7	14.6	14.1	15.0	15.4	13.5	14.4	13.9	14.8	15.2
	13.8	14.6	14.2	15.0	15.5	13.6	14.4	14.0	14.9	15.3
	13.9	14.7	14.4	15.2	15.6	13.8	14.6	14.3	15.0	15.5
	14.1	14.8	14.5	15.3	15.7	13.9	14.7	14.4	15.1	15.6
	14.2	14.9	14.7	15.4	15.9	14.1	14.8	14.6	15.2	15.7
X=4H Y=2H	13.4	14.3	13.9	14.7	15.2	13.2	14.1	13.7	14.5	15.0
	13.6	14.3	14.1	14.8	15.2	13.4	14.1	13.9	14.6	15.1
	13.8	14.4	14.3	14.9	15.4	13.6	14.3	14.1	14.7	15.3
	14.1	14.7	14.7	15.2	15.7	14.0	14.6	14.5	15.1	15.6
	14.4	14.9	14.9	15.4	15.9	14.3	14.8	14.8	15.3	15.8
	14.6	15.1	15.2	15.6	16.1	14.5	15.0	15.1	15.5	16.1
X=8H Y=4H	13.8	14.3	14.3	14.8	15.4	13.7	14.2	14.2	14.7	15.2
	14.3	14.7	14.9	15.3	15.9	14.2	14.6	14.8	15.2	15.8
	14.7	15.0	15.2	15.6	16.1	14.6	14.9	15.2	15.5	16.1
	15.1	15.4	15.6	15.9	16.6	15.0	15.4	15.6	15.9	16.5
X=12H Y=4H	13.8	14.3	14.3	14.8	15.3	13.7	14.1	14.2	14.6	15.2
	14.4	14.7	14.9	15.3	15.9	14.3	14.6	14.8	15.2	15.8
	14.8	15.1	15.3	15.6	16.3	14.7	15.0	15.3	15.6	16.2
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	0.3/-0.3					0.2/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.4					1.5				

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	1396.09	1396.09	1396.09	1396.09
γ 1.0	1403.62	1400.37	1381.86	1388.65
γ 2.0	1404.13	1394.85	1362.38	1373.54
γ 3.0	1394.01	1381.61	1340.13	1355.24
γ 4.0	1380.42	1364.32	1318.94	1337.80
γ 5.0	1361.10	1344.06	1292.02	1315.38
γ 6.0	1341.61	1324.28	1265.02	1291.90
γ 7.0	1318.91	1302.51	1234.13	1260.93
γ 8.0	1295.36	1274.49	1197.18	1225.43
γ 9.0	1264.61	1243.62	1158.01	1183.74
γ 10.0	1228.73	1205.42	1116.12	1138.73
γ 11.0	1187.31	1163.89	1073.22	1091.44
γ 12.0	1143.14	1121.53	1026.96	1041.94
γ 13.0	1095.11	1078.83	980.29	988.95
γ 14.0	1044.72	1033.66	931.83	932.09
γ 15.0	993.13	985.74	881.64	874.98
γ 16.0	939.48	934.77	829.34	814.83
γ 17.0	882.52	881.05	774.27	755.34
γ 18.0	823.57	825.33	721.02	697.39
γ 19.0	765.01	770.34	667.59	644.01
γ 20.0	708.38	714.94	616.67	597.89
γ 21.0	655.33	662.95	572.54	559.08
γ 22.0	610.38	616.91	536.54	525.91
γ 23.0	573.22	577.15	507.01	498.49
γ 24.0	541.15	542.35	482.98	476.97
γ 25.0	514.57	512.44	461.87	457.26
γ 26.0	492.36	488.16	444.48	439.88
γ 27.0	473.18	467.89	429.60	425.53
γ 28.0	456.54	449.99	415.30	412.75
γ 29.0	442.68	434.67	402.21	401.32
γ 30.0	429.51	420.71	390.38	389.47
γ 31.0	417.34	407.26	378.21	378.26
γ 32.0	405.08	394.91	366.43	367.41
γ 33.0	393.21	382.25	353.44	355.39
γ 34.0	380.80	369.25	336.70	342.73
γ 35.0	368.31	355.65	317.60	326.82
γ 36.0	353.70	339.50	295.26	306.77
γ 37.0	336.83	320.52	271.22	284.11
γ 38.0	316.23	299.23	245.68	259.79
γ 39.0	292.73	275.29	220.45	233.89
γ 40.0	267.58	250.11	195.13	208.17
γ 41.0	241.68	225.03	169.88	182.40
γ 42.0	213.73	198.59	146.16	157.51
γ 43.0	186.42	173.59	122.82	133.01
γ 44.0	159.20	148.95	101.00	109.84
γ 45.0	133.22	125.39	80.77	87.85
γ 46.0	108.34	103.53	63.47	67.94

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	85.35	83.66	51.26	51.80
γ 48.0	64.77	66.64	43.67	40.50
γ 49.0	48.83	53.62	39.05	34.55
γ 50.0	39.34	44.51	35.65	31.78
γ 51.0	35.02	38.45	32.86	29.93
γ 52.0	32.99	34.26	30.51	28.44
γ 53.0	31.27	31.42	28.45	27.06
γ 54.0	29.78	29.60	26.50	25.75
γ 55.0	28.30	28.09	24.52	24.48
γ 56.0	26.97	26.66	22.95	23.27
γ 57.0	25.61	25.34	21.84	22.13
γ 58.0	24.34	24.06	20.58	20.87
γ 59.0	23.01	22.82	19.44	19.71
γ 60.0	21.80	21.59	18.33	18.60
γ 61.0	20.61	20.32	17.26	17.50
γ 62.0	19.48	19.14	16.24	16.66
γ 63.0	18.36	18.01	15.45	15.81
γ 64.0	17.39	16.94	14.73	15.05
γ 65.0	16.44	16.03	14.09	14.36
γ 66.0	15.56	15.15	13.49	13.75
γ 67.0	14.72	14.41	12.97	13.16
γ 68.0	13.98	13.72	12.52	12.67
γ 69.0	13.29	13.10	12.23	12.24
γ 70.0	12.68	12.55	12.03	11.95
γ 71.0	12.13	12.08	11.92	11.77
γ 72.0	11.73	11.74	11.79	11.66
γ 73.0	11.50	11.52	11.63	11.58
γ 74.0	11.24	11.37	11.44	11.36
γ 75.0	11.06	11.18	11.24	11.21
γ 76.0	10.78	10.93	10.80	10.88
γ 77.0	10.45	10.70	10.48	10.59
γ 78.0	10.11	10.32	10.06	10.14
γ 79.0	9.72	9.95	9.52	9.70
γ 80.0	9.26	9.51	9.09	9.13
γ 81.0	8.88	9.05	8.63	8.63
γ 82.0	8.19	8.57	8.19	7.95
γ 83.0	7.79	8.05	7.64	7.66
γ 84.0	7.28	7.39	7.14	7.01
γ 85.0	6.87	7.12	6.55	6.40
γ 86.0	6.26	6.55	5.81	5.68
γ 87.0	5.71	5.95	5.07	5.11
γ 88.0	5.22	5.18	4.19	4.62
γ 89.0	4.69	4.58	3.81	4.49
γ 90.0	4.44	3.75	3.72	4.37
γ 91.0	4.31	3.64	3.63	4.26
γ 92.0	4.22	3.55	3.56	4.17
γ 93.0	4.11	3.47	3.47	4.07

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.02	3.39	3.40	3.98
γ 95.0	3.93	3.33	3.34	3.90
γ 96.0	3.85	3.25	3.28	3.83
γ 97.0	3.77	3.19	3.21	3.75
γ 98.0	3.69	3.14	3.16	3.68
γ 99.0	3.63	3.08	3.13	3.62
γ 100.0	3.57	3.05	3.07	3.56
γ 101.0	3.49	2.99	3.04	3.51
γ 102.0	3.44	2.96	3.02	3.46
γ 103.0	3.39	2.92	2.99	3.42
γ 104.0	3.37	2.89	2.96	3.38
γ 105.0	3.31	2.87	2.95	3.35
γ 106.0	3.28	2.85	2.94	3.34
γ 107.0	3.25	2.83	2.93	3.32
γ 108.0	3.23	2.81	2.94	3.30
γ 109.0	3.20	2.80	2.94	3.29
γ 110.0	3.19	2.80	2.95	3.30
γ 111.0	3.19	2.80	2.97	3.30
γ 112.0	3.18	2.80	2.99	3.31
γ 113.0	3.18	2.81	3.01	3.32
γ 114.0	3.18	2.82	3.04	3.34
γ 115.0	3.18	2.83	3.07	3.35
γ 116.0	3.19	2.86	3.11	3.38
γ 117.0	3.20	2.87	3.14	3.41
γ 118.0	3.22	2.90	3.18	3.44
γ 119.0	3.23	2.92	3.23	3.48
γ 120.0	3.24	2.95	3.28	3.51
γ 121.0	3.28	3.00	3.33	3.56
γ 122.0	3.32	3.04	3.39	3.61
γ 123.0	3.36	3.08	3.44	3.66
γ 124.0	3.39	3.13	3.51	3.72
γ 125.0	3.45	3.19	3.58	3.78
γ 126.0	3.50	3.23	3.65	3.85
γ 127.0	3.55	3.30	3.74	3.92
γ 128.0	3.61	3.37	3.83	3.99
γ 129.0	3.68	3.44	3.92	4.07
γ 130.0	3.75	3.52	4.00	4.16
γ 131.0	3.83	3.60	4.11	4.25
γ 132.0	3.91	3.69	4.21	4.34
γ 133.0	4.00	3.79	4.31	4.44
γ 134.0	4.08	3.88	4.43	4.54
γ 135.0	4.19	3.98	4.53	4.64
γ 136.0	4.29	4.09	4.65	4.76
γ 137.0	4.39	4.20	4.77	4.86
γ 138.0	4.49	4.31	4.88	4.97
γ 139.0	4.62	4.43	5.00	5.08
γ 140.0	4.72	4.54	5.12	5.18

IES Indoor Report

Photometric Filename:MD10-13-XX-02 2700K RA90 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.83	4.67	5.23	5.28
γ 142.0	4.94	4.78	5.33	5.40
γ 143.0	5.05	4.90	5.44	5.51
γ 144.0	5.16	5.00	5.57	5.61
γ 145.0	5.28	5.12	5.67	5.70
γ 146.0	5.38	5.22	5.76	5.81
γ 147.0	5.49	5.34	5.85	5.91
γ 148.0	5.59	5.43	5.95	5.99
γ 149.0	5.69	5.55	6.05	6.09
γ 150.0	5.81	5.64	6.14	6.18
γ 151.0	5.89	5.74	6.23	6.26
γ 152.0	5.99	5.84	6.32	6.34
γ 153.0	6.09	5.94	6.42	6.43
γ 154.0	6.19	6.04	6.50	6.51
γ 155.0	6.28	6.14	6.59	6.59
γ 156.0	6.37	6.23	6.67	6.67
γ 157.0	6.46	6.32	6.76	6.74
γ 158.0	6.56	6.42	6.84	6.81
γ 159.0	6.65	6.51	6.92	6.88
γ 160.0	6.74	6.60	7.00	6.94
γ 161.0	6.82	6.69	7.05	7.01
γ 162.0	6.91	6.77	7.13	7.07
γ 163.0	6.98	6.86	7.18	7.11
γ 164.0	7.05	6.92	7.24	7.16
γ 165.0	7.12	6.99	7.29	7.22
γ 166.0	7.18	7.05	7.33	7.26
γ 167.0	7.25	7.11	7.39	7.30
γ 168.0	7.30	7.17	7.43	7.35
γ 169.0	7.36	7.21	7.48	7.39
γ 170.0	7.41	7.25	7.53	7.44
γ 171.0	7.46	7.30	7.57	7.48
γ 172.0	7.51	7.36	7.61	7.53
γ 173.0	7.57	7.42	7.65	7.55
γ 174.0	7.62	7.46	7.70	7.61
γ 175.0	7.66	7.51	7.71	7.65
γ 176.0	7.70	7.54	7.75	7.66
γ 177.0	7.74	7.60	7.77	7.70
γ 178.0	7.77	7.63	7.80	7.72
γ 179.0	7.81	7.65	7.81	7.74
γ 180.0	7.77	7.77	7.77	7.77