

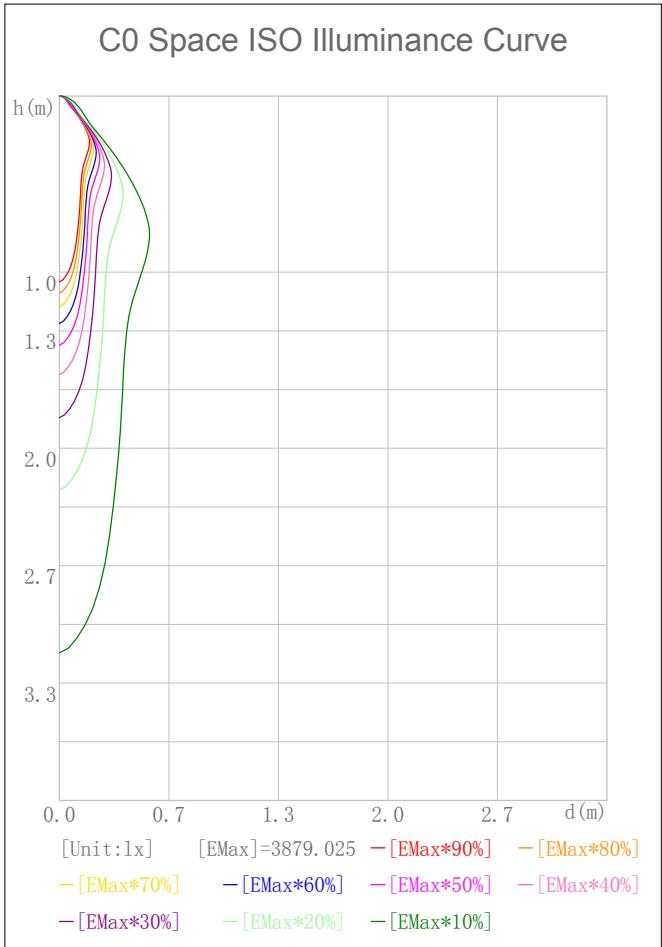
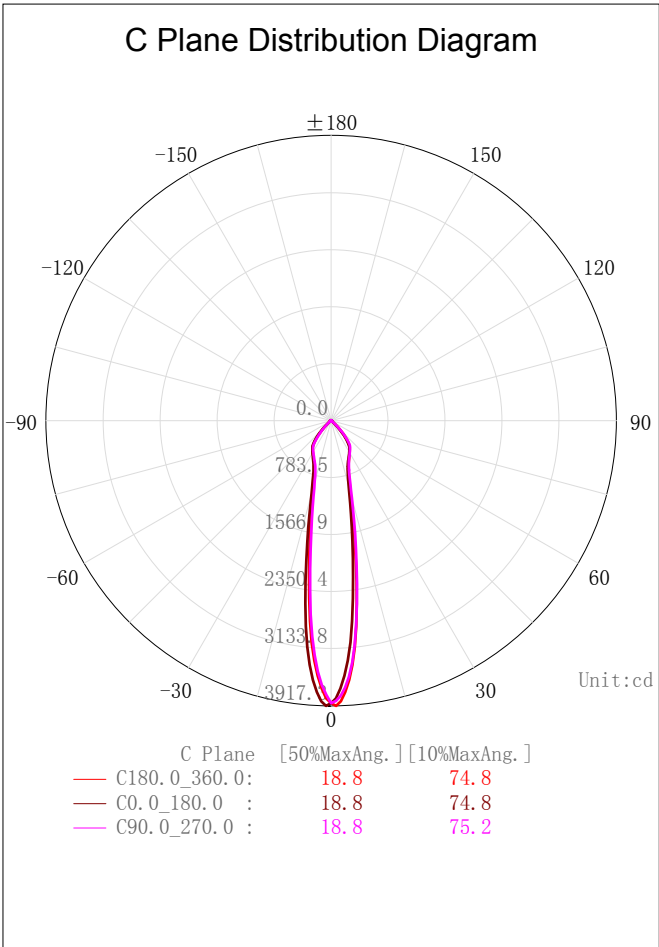
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-02 4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/24
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(%):

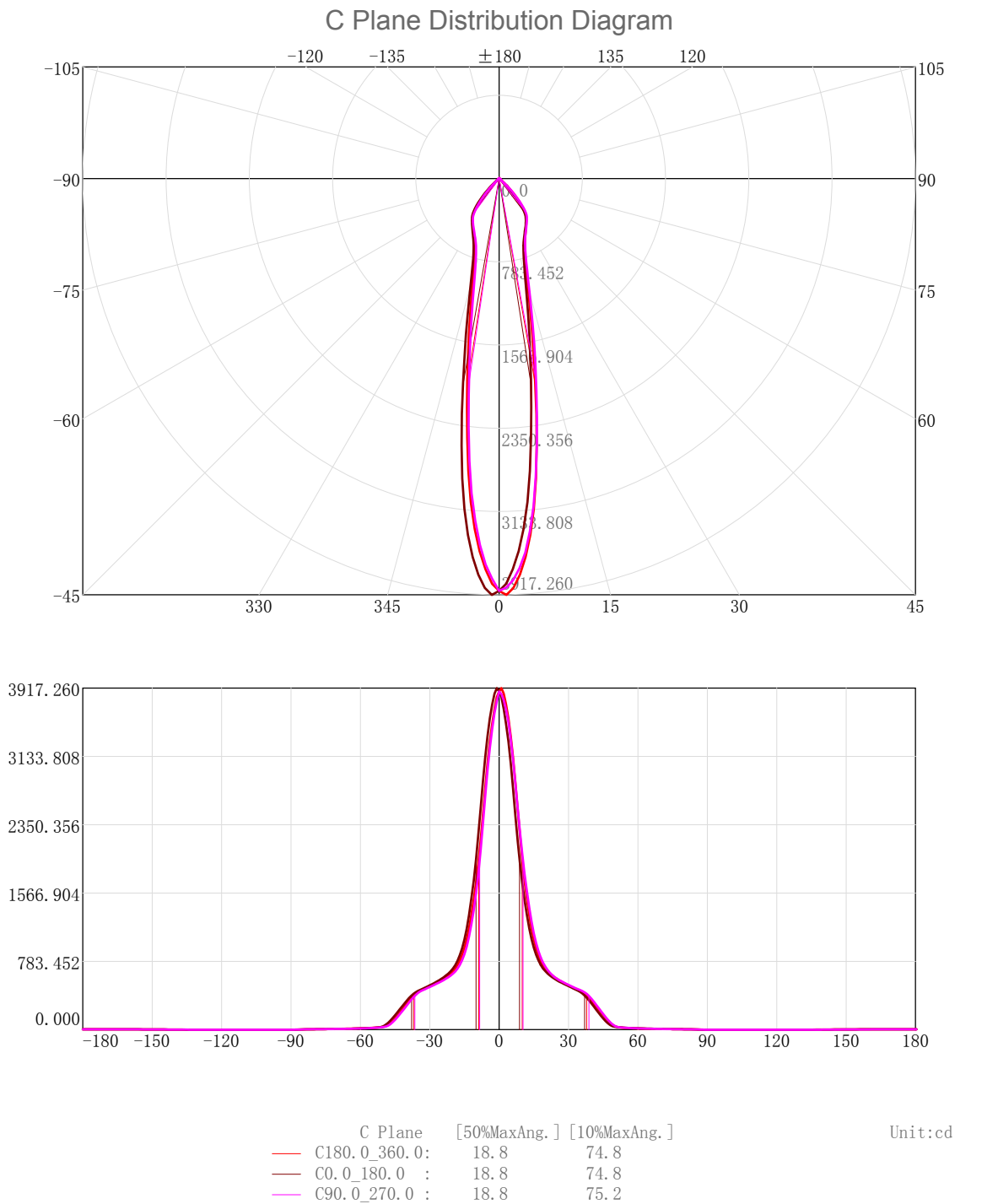
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1241.770	Luminary Flux(lm): 1241.774	Field Angle(10%Imax): 74.8(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1236.412lm 99.57%
Rated Voltage(V):	Luminary EER(lm/W): 97.855	Up Lumens&Percent: 5.361lm 0.43%
Tested Power(W): 12.690	Max. Candela(cd): 3917.260	S/MH: C0_a180=0.324 C90_270=0.320
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.2, 0.055	Beam Angle(50%Imax): 18.8(°)	ErP Φ use(90°): 1183.638lm
Lamp Size(W*L*H):0.050m*0.050m*0.750m	Left=-8.8°, Right=10.0°	IRF(%): 675.359



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24



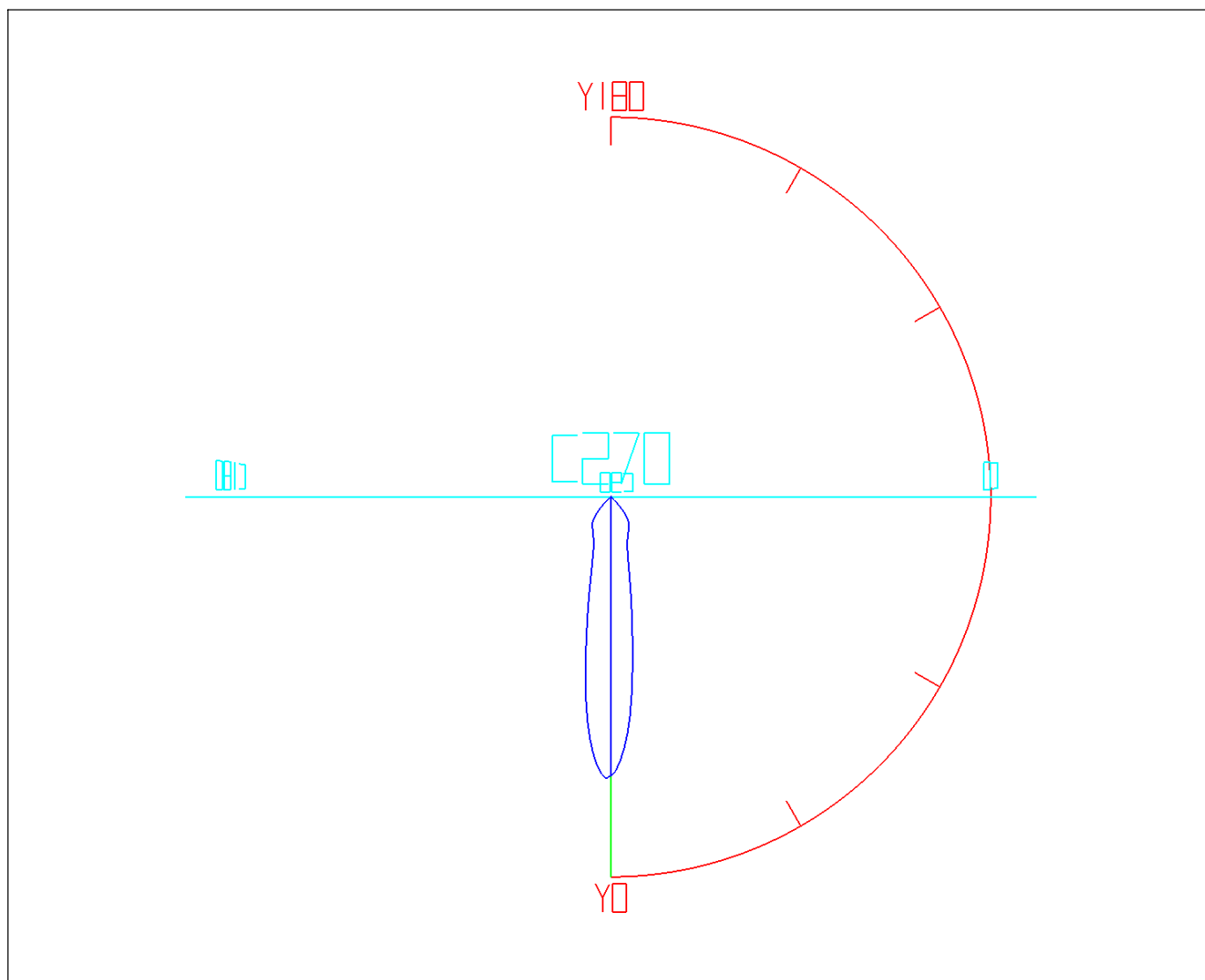
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24

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

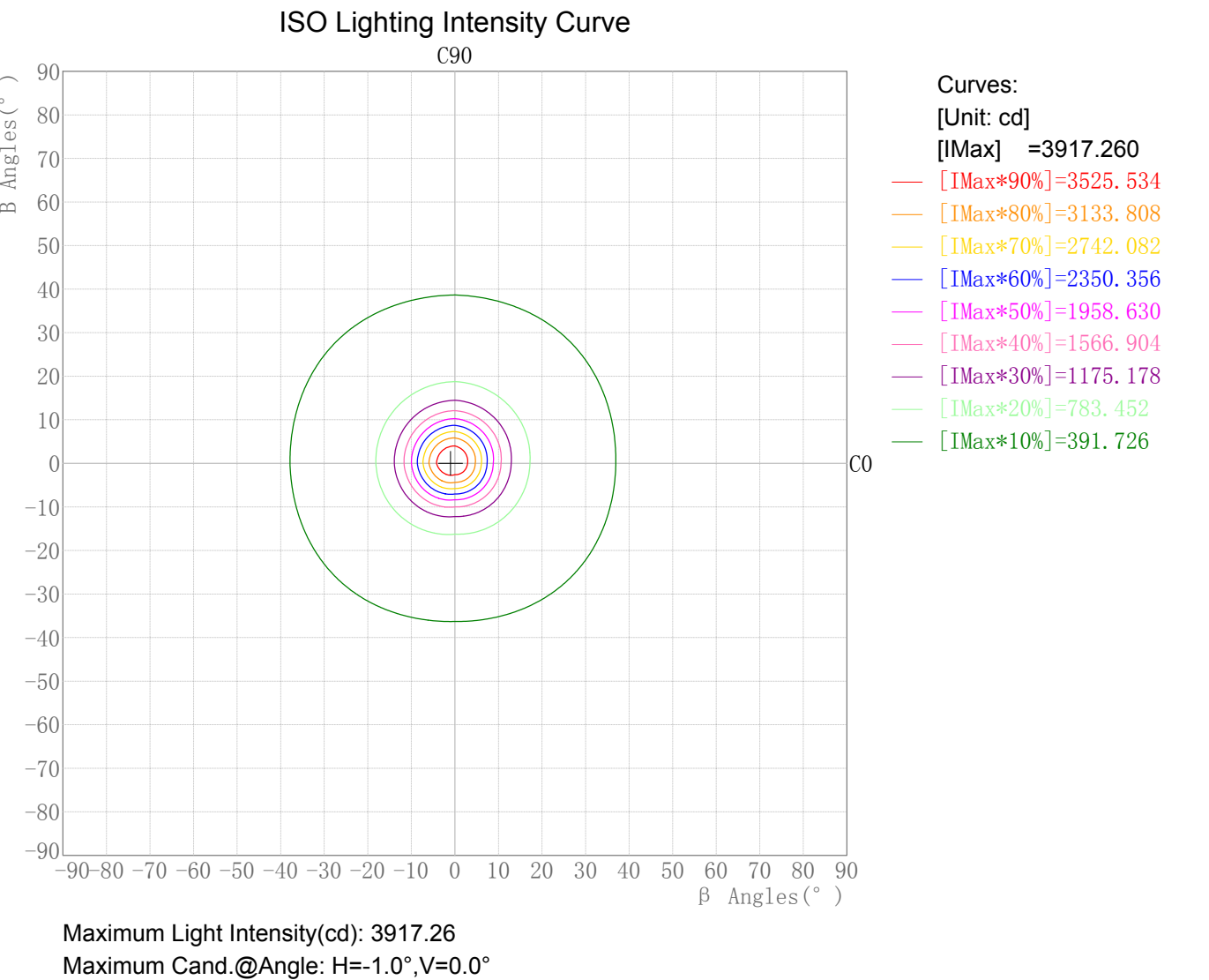
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	3.69	3.69	0.30	0.30	47.0-48.0	6.32	1186.27	0.51	95.53
1.0-2.0	10.87	14.56	0.88	1.17	48.0-49.0	4.77	1191.04	0.38	95.91
2.0-3.0	17.52	32.08	1.41	2.58	49.0-50.0	3.62	1194.66	0.29	96.21
3.0-4.0	23.42	55.50	1.89	4.47	50.0-51.0	2.87	1197.52	0.23	96.44
4.0-5.0	28.34	83.84	2.28	6.75	51.0-52.0	2.46	1199.98	0.20	96.63
5.0-6.0	32.04	115.88	2.58	9.33	52.0-53.0	2.24	1202.21	0.18	96.81
6.0-7.0	34.37	150.25	2.77	12.10	53.0-54.0	2.07	1204.28	0.17	96.98
7.0-8.0	35.43	185.68	2.85	14.95	54.0-55.0	1.93	1206.22	0.16	97.14
8.0-9.0	35.51	221.19	2.86	17.81	55.0-56.0	1.81	1208.03	0.15	97.28
9.0-10.0	34.93	256.12	2.81	20.63	56.0-57.0	1.71	1209.74	0.14	97.42
10.0-11.0	33.93	290.04	2.73	23.36	57.0-58.0	1.62	1211.36	0.13	97.55
11.0-12.0	32.70	322.74	2.63	25.99	58.0-59.0	1.54	1212.90	0.12	97.68
12.0-13.0	31.30	354.05	2.52	28.51	59.0-60.0	1.47	1214.38	0.12	97.79
13.0-14.0	29.88	383.93	2.41	30.92	60.0-61.0	1.40	1215.78	0.11	97.91
14.0-15.0	28.61	412.54	2.30	33.22	61.0-62.0	1.34	1217.12	0.11	98.01
15.0-16.0	27.58	440.11	2.22	35.44	62.0-63.0	1.28	1218.40	0.10	98.12
16.0-17.0	26.80	466.91	2.16	37.60	63.0-64.0	1.22	1219.62	0.10	98.22
17.0-18.0	26.22	493.13	2.11	39.71	64.0-65.0	1.17	1220.79	0.09	98.31
18.0-19.0	25.84	518.98	2.08	41.79	65.0-66.0	1.12	1221.91	0.09	98.40
19.0-20.0	25.67	544.65	2.07	43.86	66.0-67.0	1.07	1222.98	0.09	98.49
20.0-21.0	25.66	570.31	2.07	45.93	67.0-68.0	1.02	1224.01	0.08	98.57
21.0-22.0	25.77	596.08	2.08	48.00	68.0-69.0	0.98	1224.99	0.08	98.65
22.0-23.0	25.96	622.05	2.09	50.09	69.0-70.0	0.94	1225.93	0.08	98.72
23.0-24.0	26.18	648.22	2.11	52.20	70.0-71.0	0.90	1226.83	0.07	98.80
24.0-25.0	26.42	674.64	2.13	54.33	71.0-72.0	0.87	1227.70	0.07	98.87
25.0-26.0	26.66	701.30	2.15	56.48	72.0-73.0	0.83	1228.52	0.07	98.93
26.0-27.0	26.90	728.21	2.17	58.64	73.0-74.0	0.79	1229.31	0.06	99.00
27.0-28.0	27.13	755.33	2.18	60.83	74.0-75.0	0.75	1230.06	0.06	99.06
28.0-29.0	27.32	782.66	2.20	63.03	75.0-76.0	0.71	1230.77	0.06	99.11
29.0-30.0	27.50	810.15	2.21	65.24	76.0-77.0	0.67	1231.44	0.05	99.17
30.0-31.0	27.64	837.79	2.23	67.47	77.0-78.0	0.64	1232.08	0.05	99.22
31.0-32.0	27.74	865.54	2.23	69.70	78.0-79.0	0.61	1232.68	0.05	99.27
32.0-33.0	27.81	893.34	2.24	71.94	79.0-80.0	0.58	1233.26	0.05	99.32
33.0-34.0	27.82	921.17	2.24	74.18	80.0-81.0	0.56	1233.82	0.05	99.36
34.0-35.0	27.72	948.89	2.23	76.41	81.0-82.0	0.52	1234.35	0.04	99.40
35.0-36.0	27.43	976.32	2.21	78.62	82.0-83.0	0.48	1234.83	0.04	99.44
36.0-37.0	26.84	1003.16	2.16	80.78	83.0-84.0	0.44	1235.27	0.04	99.48
37.0-38.0	25.91	1029.06	2.09	82.87	84.0-85.0	0.37	1235.64	0.03	99.51
38.0-39.0	24.64	1053.70	1.98	84.85	85.0-86.0	0.30	1235.94	0.02	99.53
39.0-40.0	23.05	1076.75	1.86	86.71	86.0-87.0	0.22	1236.16	0.02	99.55
40.0-41.0	21.22	1097.98	1.71	88.42	87.0-88.0	0.14	1236.30	0.01	99.56
41.0-42.0	19.19	1117.17	1.55	89.97	88.0-89.0	0.07	1236.38	0.01	99.57
42.0-43.0	17.02	1134.19	1.37	91.34	89.0-90.0	0.04	1236.41	0.00	99.57
43.0-44.0	14.76	1148.95	1.19	92.53	90.0-91.0	0.02	1236.43	0.00	99.57
44.0-45.0	12.51	1161.46	1.01	93.53	91.0-92.0	0.01	1236.44	0.00	99.57
45.0-46.0	10.30	1171.76	0.83	94.36	92.0-93.0	0.00	1236.44	0.00	99.57
46.0-47.0	8.20	1179.96	0.66	95.02	93.0-94.0	0.00	1236.44	0.00	99.57

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	0.00	1236.44	0.00	99.57	141.0-142.0	0.12	1237.10	0.01	99.62
95.0-96.0	0.00	1236.44	0.00	99.57	142.0-143.0	0.12	1237.23	0.01	99.63
96.0-97.0	0.00	1236.44	0.00	99.57	143.0-144.0	0.13	1237.36	0.01	99.65
97.0-98.0	0.00	1236.44	0.00	99.57	144.0-145.0	0.14	1237.51	0.01	99.66
98.0-99.0	0.00	1236.44	0.00	99.57	145.0-146.0	0.15	1237.66	0.01	99.67
99.0-100.0	0.00	1236.44	0.00	99.57	146.0-147.0	0.16	1237.81	0.01	99.68
100.0-101.0	0.00	1236.44	0.00	99.57	147.0-148.0	0.16	1237.98	0.01	99.69
101.0-102.0	0.00	1236.44	0.00	99.57	148.0-149.0	0.17	1238.14	0.01	99.71
102.0-103.0	0.00	1236.44	0.00	99.57	149.0-150.0	0.17	1238.31	0.01	99.72
103.0-104.0	0.00	1236.44	0.00	99.57	150.0-151.0	0.17	1238.48	0.01	99.74
104.0-105.0	0.00	1236.44	0.00	99.57	151.0-152.0	0.17	1238.65	0.01	99.75
105.0-106.0	0.00	1236.44	0.00	99.57	152.0-153.0	0.17	1238.83	0.01	99.76
106.0-107.0	0.00	1236.44	0.00	99.57	153.0-154.0	0.17	1239.00	0.01	99.78
107.0-108.0	0.00	1236.44	0.00	99.57	154.0-155.0	0.17	1239.17	0.01	99.79
108.0-109.0	0.00	1236.44	0.00	99.57	155.0-156.0	0.17	1239.34	0.01	99.80
109.0-110.0	0.00	1236.44	0.00	99.57	156.0-157.0	0.17	1239.51	0.01	99.82
110.0-111.0	0.00	1236.44	0.00	99.57	157.0-158.0	0.16	1239.68	0.01	99.83
111.0-112.0	0.00	1236.44	0.00	99.57	158.0-159.0	0.16	1239.84	0.01	99.84
112.0-113.0	0.00	1236.44	0.00	99.57	159.0-160.0	0.16	1240.00	0.01	99.86
113.0-114.0	0.00	1236.44	0.00	99.57	160.0-161.0	0.16	1240.15	0.01	99.87
114.0-115.0	0.00	1236.44	0.00	99.57	161.0-162.0	0.15	1240.30	0.01	99.88
115.0-116.0	0.00	1236.44	0.00	99.57	162.0-163.0	0.15	1240.45	0.01	99.89
116.0-117.0	0.00	1236.44	0.00	99.57	163.0-164.0	0.14	1240.59	0.01	99.90
117.0-118.0	0.00	1236.44	0.00	99.57	164.0-165.0	0.13	1240.72	0.01	99.92
118.0-119.0	0.00	1236.44	0.00	99.57	165.0-166.0	0.13	1240.85	0.01	99.93
119.0-120.0	0.00	1236.44	0.00	99.57	166.0-167.0	0.12	1240.97	0.01	99.94
120.0-121.0	0.00	1236.44	0.00	99.57	167.0-168.0	0.11	1241.09	0.01	99.95
121.0-122.0	0.00	1236.44	0.00	99.57	168.0-169.0	0.11	1241.19	0.01	99.95
122.0-123.0	0.00	1236.44	0.00	99.57	169.0-170.0	0.10	1241.29	0.01	99.96
123.0-124.0	0.00	1236.44	0.00	99.57	170.0-171.0	0.09	1241.38	0.01	99.97
124.0-125.0	0.00	1236.44	0.00	99.57	171.0-172.0	0.08	1241.46	0.01	99.98
125.0-126.0	0.00	1236.44	0.00	99.57	172.0-173.0	0.07	1241.54	0.01	99.98
126.0-127.0	0.00	1236.44	0.00	99.57	173.0-174.0	0.06	1241.60	0.01	99.99
127.0-128.0	0.00	1236.44	0.00	99.57	174.0-175.0	0.05	1241.65	0.00	99.99
128.0-129.0	0.00	1236.44	0.00	99.57	175.0-176.0	0.04	1241.70	0.00	99.99
129.0-130.0	0.00	1236.45	0.00	99.57	176.0-177.0	0.03	1241.73	0.00	100.00
130.0-131.0	0.01	1236.45	0.00	99.57	177.0-178.0	0.02	1241.75	0.00	100.00
131.0-132.0	0.01	1236.46	0.00	99.57	178.0-179.0	0.01	1241.77	0.00	100.00
132.0-133.0	0.02	1236.48	0.00	99.57	179.0-180.0	0.00	1241.77	0.00	100.00
133.0-134.0	0.03	1236.51	0.00	99.58					
134.0-135.0	0.04	1236.54	0.00	99.58					
135.0-136.0	0.05	1236.59	0.00	99.58					
136.0-137.0	0.06	1236.65	0.00	99.59					
137.0-138.0	0.07	1236.71	0.01	99.59					
138.0-139.0	0.08	1236.79	0.01	99.60					
139.0-140.0	0.09	1236.89	0.01	99.61					
140.0-141.0	0.10	1236.99	0.01	99.61					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24



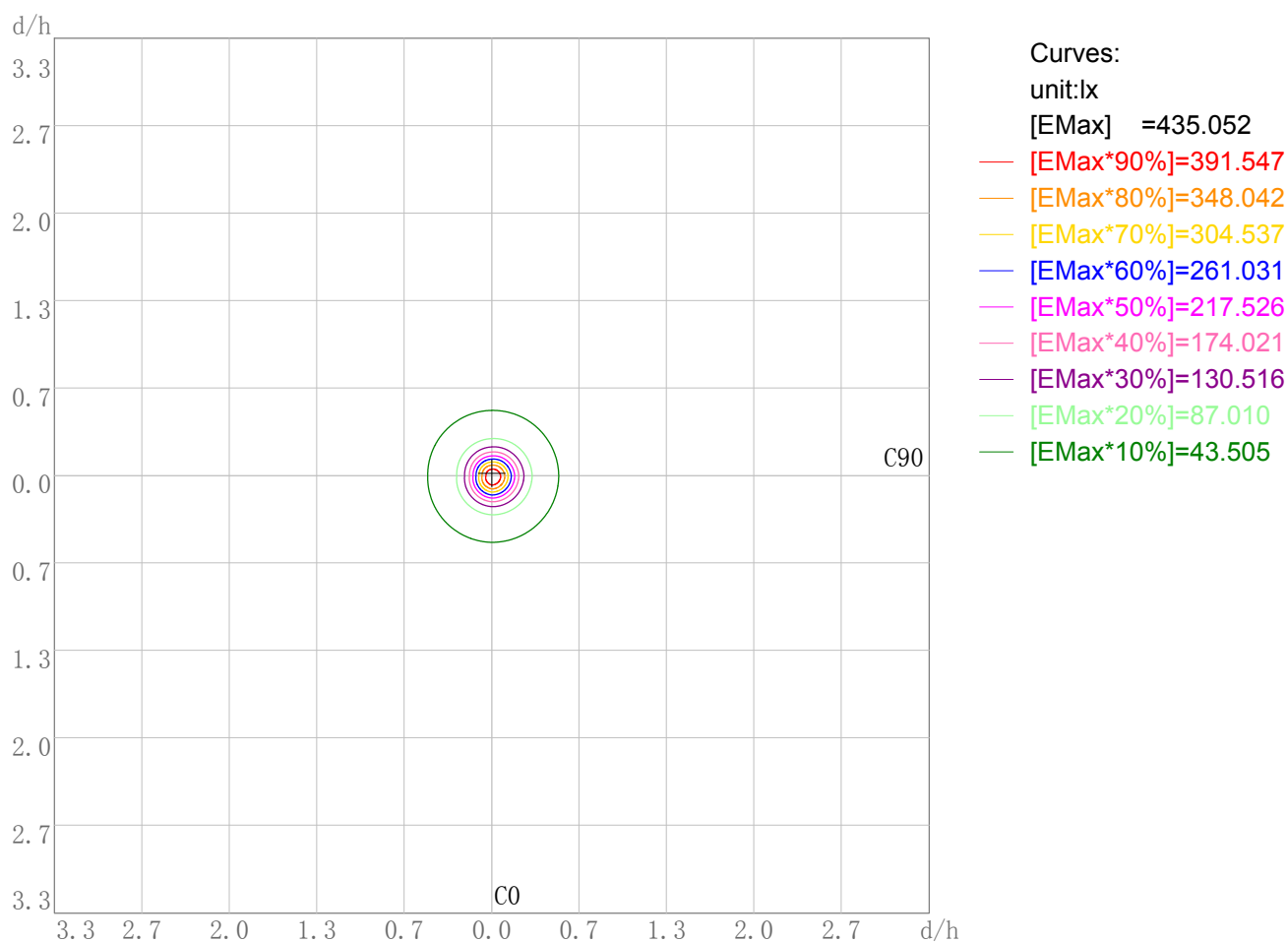
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 435.05

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

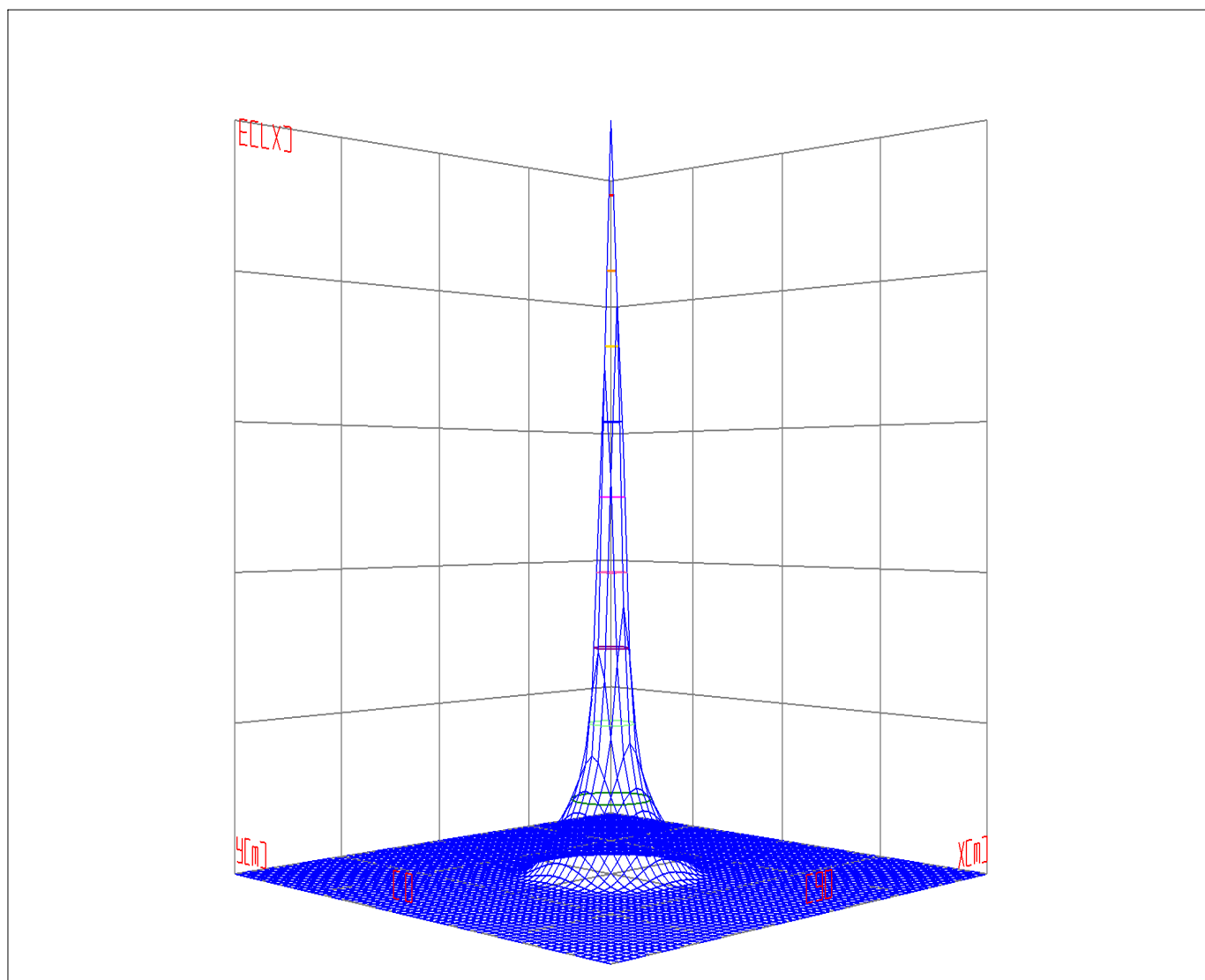
IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24

3D Plane Illuminance Modal

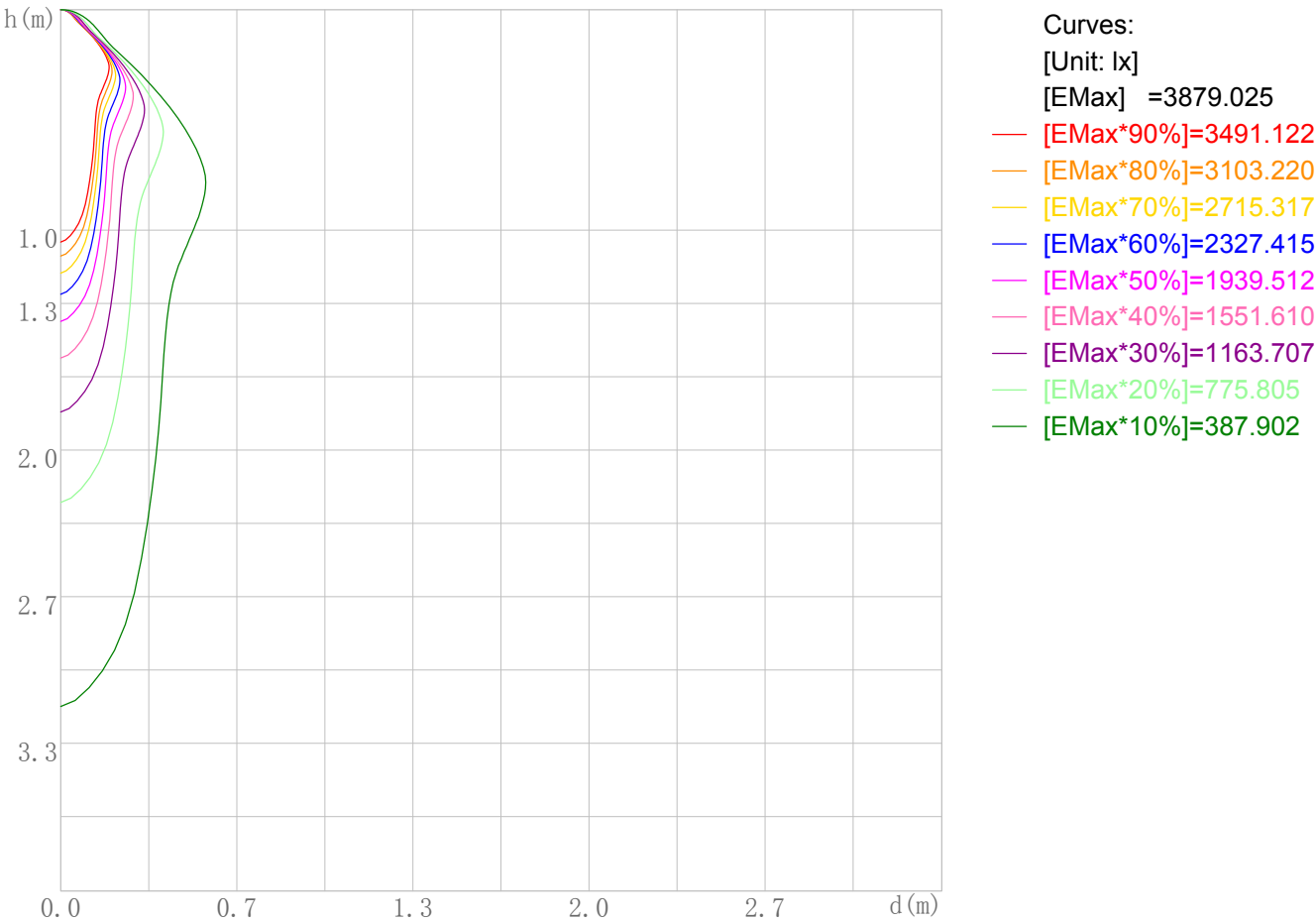


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:MD10-13-XX-02 4000K RA90 15D	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:2019/12/24

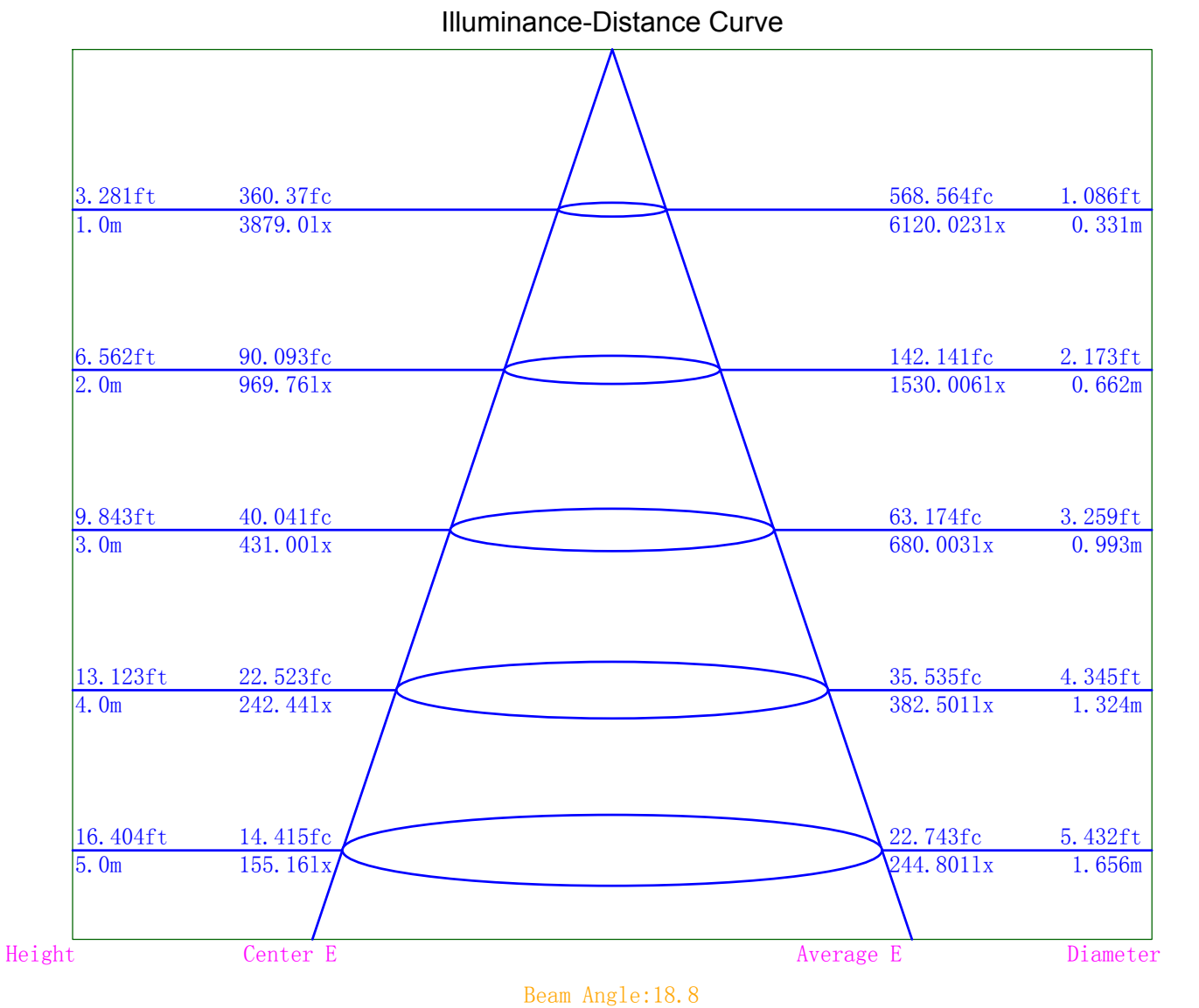
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:3879.02lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:3879.025cd,0deg

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24



IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24

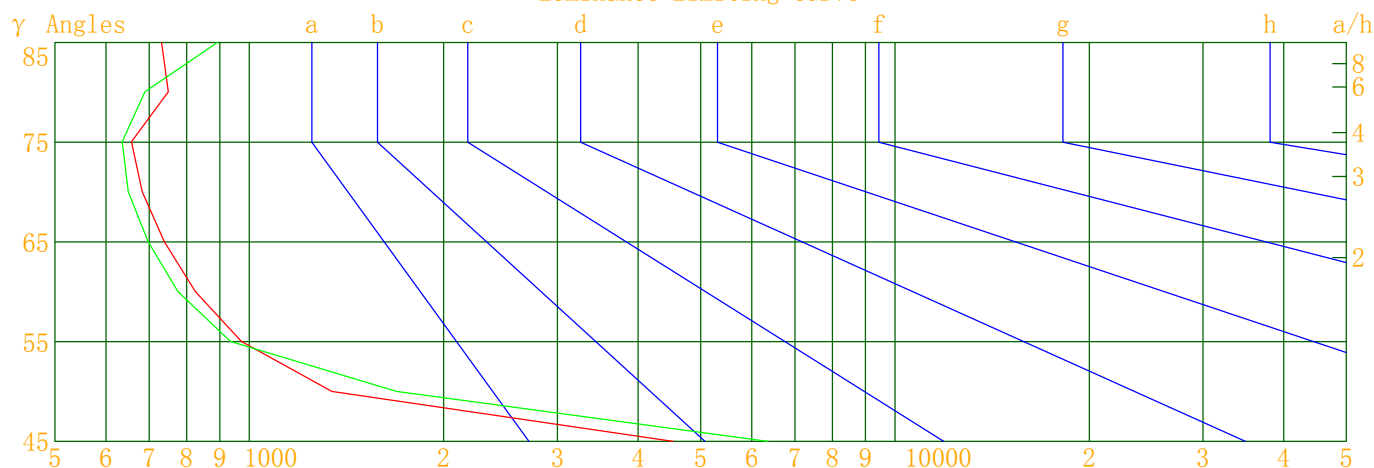
Glare Grade Table

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	4531	1342	972	825	739	682	657	749	731
C90	6348	1690	935	775	697	649	635	689	892

Luminance Limiting Curve



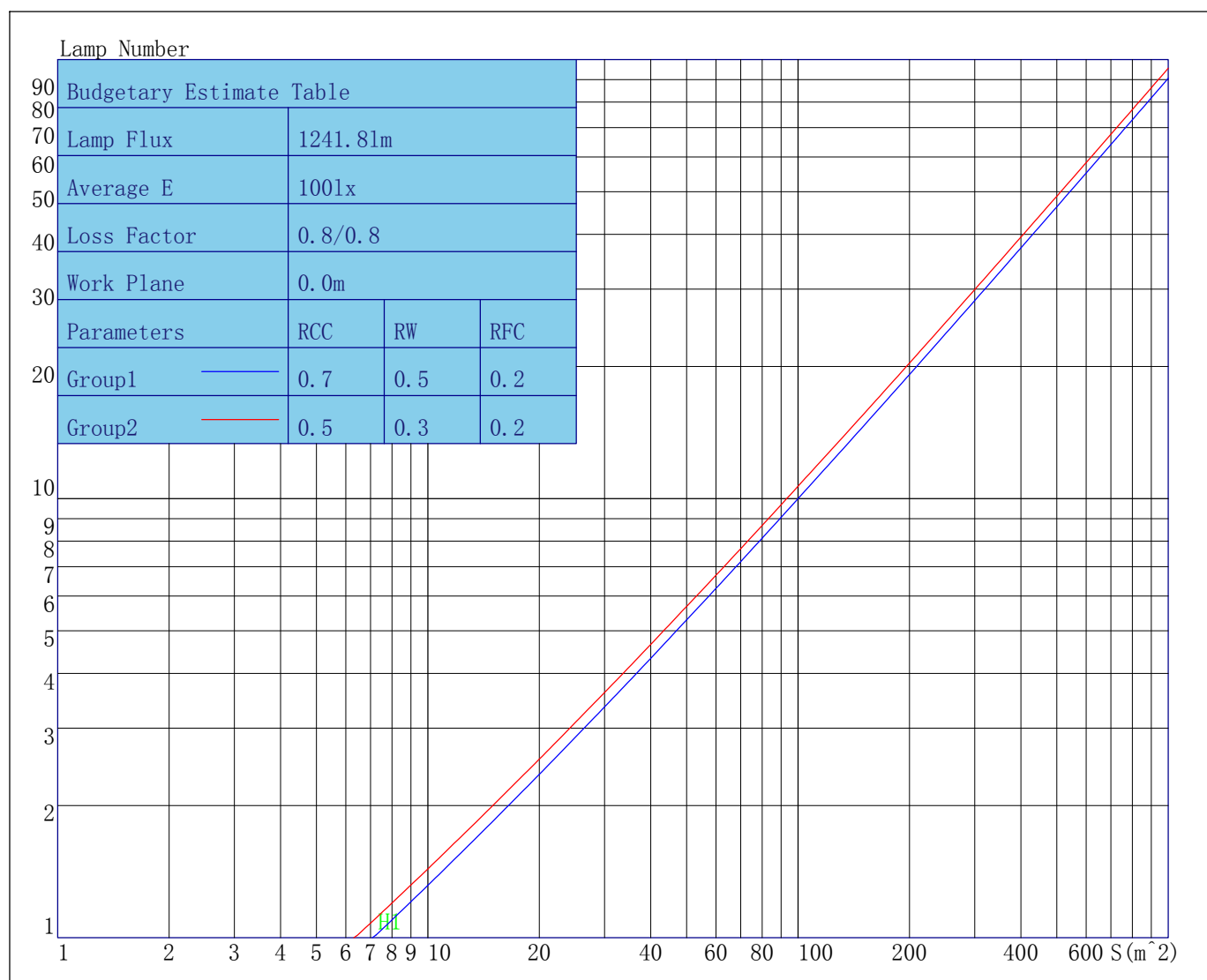
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m^2)=0.040000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24



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 15D	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: 2019/12/24

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	89	84	80	86	82	79	84	81	78	82	79	77	75
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	57	54	53

Unified Glare Rating Table

Lum. Name: MD10-13-XX-02 4000K 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: 2019/12/24

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	13.8	14.8	14.1	15.1	15.4	14.5	15.5	14.9	15.8	16.2
	13.7	14.6	14.1	14.9	15.3	14.4	15.3	14.8	15.6	16.0
	13.7	14.5	14.1	14.8	15.2	14.4	15.2	14.8	15.5	15.9
	13.6	14.4	14.1	14.8	15.2	14.3	15.0	14.7	15.4	15.8
	13.6	14.3	14.1	14.7	15.1	14.3	15.0	14.7	15.4	15.8
	13.6	14.3	14.1	14.7	15.1	14.3	14.9	14.7	15.3	15.8
X=4H Y=2H	13.5	14.4	14.0	14.7	15.1	14.3	15.1	14.7	15.4	15.8
	13.5	14.2	13.9	14.6	15.0	14.2	14.8	14.6	15.3	15.7
	13.5	14.1	14.0	14.5	15.0	14.2	14.7	14.6	15.2	15.6
	13.5	14.0	14.0	14.5	15.0	14.2	14.6	14.6	15.1	15.6
	13.6	14.0	14.0	14.5	14.9	14.2	14.6	14.6	15.1	15.5
	13.6	13.9	14.1	14.4	14.9	14.2	14.5	14.7	15.0	15.5
X=8H Y=4H	13.4	13.8	13.9	14.3	14.8	14.0	14.5	14.5	14.9	15.4
	13.5	13.8	14.0	14.3	14.9	14.1	14.4	14.6	14.9	15.5
	13.5	13.8	14.1	14.4	14.9	14.1	14.4	14.6	14.9	15.4
	13.6	13.9	14.1	14.4	15.0	14.2	14.4	14.7	14.9	15.5
X=12H Y=4H	13.3	13.7	13.8	14.2	14.7	14.0	14.4	14.5	14.9	15.4
	13.4	13.7	14.0	14.2	14.8	14.0	14.3	14.6	14.8	15.4
	13.5	13.8	14.1	14.3	14.9	14.1	14.4	14.6	14.9	15.5
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.2/-0.2				
S=1.5H	0.5/-0.5					0.5/-0.5				
S=2.0H	0.7/-0.7					0.6/-0.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.5					0.4				

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	3879.02	3879.02	3879.02	3879.02
γ 1.0	3813.40	3848.86	3917.26	3765.83
γ 2.0	3678.65	3779.70	3853.83	3633.74
γ 3.0	3508.65	3670.54	3731.70	3451.71
γ 4.0	3303.46	3526.42	3568.81	3224.90
γ 5.0	3055.11	3330.65	3365.46	2973.07
γ 6.0	2766.22	3097.64	3125.17	2672.72
γ 7.0	2459.16	2828.29	2842.74	2359.88
γ 8.0	2170.43	2547.94	2536.22	2054.95
γ 9.0	1912.82	2275.93	2240.50	1785.96
γ 10.0	1685.85	2022.27	1952.34	1563.11
γ 11.0	1489.71	1790.76	1707.73	1370.63
γ 12.0	1313.66	1585.98	1501.06	1205.12
γ 13.0	1163.32	1402.17	1314.94	1064.67
γ 14.0	1039.51	1241.56	1158.71	952.76
γ 15.0	939.78	1103.80	1034.23	865.98
γ 16.0	860.05	993.38	933.87	796.99
γ 17.0	795.27	902.90	856.66	743.44
γ 18.0	743.39	828.14	791.26	701.15
γ 19.0	701.65	769.02	739.96	667.35
γ 20.0	670.09	721.40	700.35	640.85
γ 21.0	642.37	682.68	668.71	619.26
γ 22.0	621.29	651.44	643.29	600.80
γ 23.0	600.70	624.96	621.84	585.00
γ 24.0	583.69	602.89	601.37	568.52
γ 25.0	566.74	585.70	583.57	554.45
γ 26.0	551.45	568.72	567.43	540.14
γ 27.0	538.61	554.00	550.85	527.54
γ 28.0	524.42	540.06	536.28	514.28
γ 29.0	512.70	525.79	522.07	501.91
γ 30.0	499.35	513.60	508.80	489.27
γ 31.0	487.07	500.93	495.99	477.80
γ 32.0	474.33	489.18	482.91	465.23
γ 33.0	461.78	477.52	470.58	454.19
γ 34.0	448.62	466.32	457.73	440.57
γ 35.0	433.46	454.50	445.97	423.09
γ 36.0	414.89	442.75	431.19	400.18
γ 37.0	390.32	427.77	412.34	372.54
γ 38.0	362.51	408.72	388.23	342.15
γ 39.0	331.88	382.76	362.01	308.93
γ 40.0	298.49	353.42	331.18	275.41
γ 41.0	264.64	320.23	299.43	240.99
γ 42.0	229.09	284.46	266.17	208.25
γ 43.0	194.26	248.58	232.02	174.88
γ 44.0	159.98	213.01	198.58	143.15
γ 45.0	128.16	179.56	165.85	113.70
γ 46.0	98.94	146.19	134.41	86.64

IES Indoor Report

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Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	73.93	114.84	105.14	64.17
γ 48.0	54.25	86.06	79.54	46.98
γ 49.0	40.70	61.99	58.19	36.58
γ 50.0	34.51	43.46	40.84	30.80
γ 51.0	30.98	32.57	30.41	27.42
γ 52.0	28.26	28.20	26.37	24.82
γ 53.0	25.93	25.53	23.57	22.87
γ 54.0	23.94	23.37	21.69	20.96
γ 55.0	22.31	21.46	19.82	19.55
γ 56.0	20.77	19.99	18.39	18.12
γ 57.0	19.65	18.69	17.16	17.06
γ 58.0	18.36	17.55	15.95	15.96
γ 59.0	17.40	16.48	15.08	15.10
γ 60.0	16.50	15.50	14.21	14.20
γ 61.0	15.63	14.66	13.40	13.48
γ 62.0	14.71	13.95	12.68	12.72
γ 63.0	13.95	13.14	12.05	12.09
γ 64.0	13.15	12.49	11.37	11.55
γ 65.0	12.49	11.78	10.81	10.98
γ 66.0	11.68	11.16	10.44	10.39
γ 67.0	11.09	10.54	9.90	10.03
γ 68.0	10.47	9.86	9.45	9.55
γ 69.0	9.91	9.35	9.06	9.15
γ 70.0	9.34	8.88	8.72	8.86
γ 71.0	8.84	8.40	8.36	8.54
γ 72.0	8.24	7.95	8.06	8.24
γ 73.0	7.78	7.39	7.76	7.82
γ 74.0	7.32	6.97	7.35	7.42
γ 75.0	6.80	6.58	6.97	7.13
γ 76.0	6.43	6.16	6.68	6.80
γ 77.0	6.05	5.80	6.33	6.34
γ 78.0	5.66	5.44	5.98	6.03
γ 79.0	5.48	5.11	5.62	5.78
γ 80.0	5.20	4.79	5.38	5.67
γ 81.0	5.14	4.60	5.19	5.45
γ 82.0	4.39	4.21	4.76	4.86
γ 83.0	4.10	4.13	4.64	4.44
γ 84.0	3.46	3.63	4.12	3.88
γ 85.0	2.55	3.11	3.55	2.97
γ 86.0	1.97	2.57	2.95	2.05
γ 87.0	1.30	1.76	2.05	1.46
γ 88.0	0.65	1.05	1.19	0.84
γ 89.0	0.47	0.15	0.39	0.59
γ 90.0	0.41	0.00	0.15	0.50
γ 91.0	0.16	0.00	0.00	0.26
γ 92.0	0.04	0.00	0.00	0.10
γ 93.0	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 126.0	0.00	0.00	0.00	0.00
γ 127.0	0.00	0.00	0.00	0.00
γ 128.0	0.00	0.00	0.00	0.03
γ 129.0	0.00	0.00	0.00	0.09
γ 130.0	0.00	0.00	0.00	0.21
γ 131.0	0.00	0.00	0.08	0.28
γ 132.0	0.09	0.00	0.25	0.37
γ 133.0	0.22	0.00	0.35	0.59
γ 134.0	0.36	0.00	0.46	0.70
γ 135.0	0.48	0.08	0.61	0.91
γ 136.0	0.67	0.16	0.80	1.00
γ 137.0	0.88	0.30	0.98	1.15
γ 138.0	0.95	0.51	1.18	1.35
γ 139.0	1.14	0.74	1.35	1.54
γ 140.0	1.40	0.91	1.50	1.74

IES Indoor Report

Photometric Filename:MD10-13-XX-02 4000K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.59	1.08	1.70	2.00
γ 142.0	1.73	1.26	1.97	2.17
γ 143.0	1.94	1.43	2.16	2.29
γ 144.0	2.18	1.70	2.32	2.44
γ 145.0	2.37	1.80	2.49	2.62
γ 146.0	2.45	2.05	2.70	2.79
γ 147.0	2.64	2.17	2.93	3.02
γ 148.0	2.81	2.35	3.08	3.08
γ 149.0	2.95	2.57	3.17	3.19
γ 150.0	3.14	2.73	3.27	3.35
γ 151.0	3.24	2.79	3.45	3.42
γ 152.0	3.34	2.98	3.49	3.49
γ 153.0	3.47	3.12	3.68	3.60
γ 154.0	3.56	3.25	3.84	3.81
γ 155.0	3.78	3.35	3.87	3.88
γ 156.0	3.89	3.46	4.00	3.98
γ 157.0	3.91	3.50	4.07	3.95
γ 158.0	4.12	3.60	4.15	4.05
γ 159.0	4.14	3.74	4.37	4.13
γ 160.0	4.32	3.84	4.40	4.20
γ 161.0	4.39	3.94	4.50	4.34
γ 162.0	4.44	4.05	4.63	4.39
γ 163.0	4.57	4.08	4.67	4.51
γ 164.0	4.58	4.28	4.78	4.50
γ 165.0	4.80	4.34	4.87	4.57
γ 166.0	4.81	4.47	4.96	4.64
γ 167.0	4.87	4.46	5.02	4.72
γ 168.0	4.94	4.67	5.06	4.79
γ 169.0	4.98	4.68	5.11	4.73
γ 170.0	5.04	4.78	5.18	4.88
γ 171.0	5.08	4.85	5.18	4.86
γ 172.0	5.09	4.84	5.32	4.86
γ 173.0	5.16	4.90	5.25	4.85
γ 174.0	5.11	4.86	5.29	4.88
γ 175.0	5.10	4.91	5.32	4.97
γ 176.0	5.27	5.05	5.30	4.90
γ 177.0	5.17	4.97	5.29	4.94
γ 178.0	5.17	4.96	5.32	4.95
γ 179.0	5.10	4.90	5.32	4.99
γ 180.0	5.14	5.14	5.14	5.14