

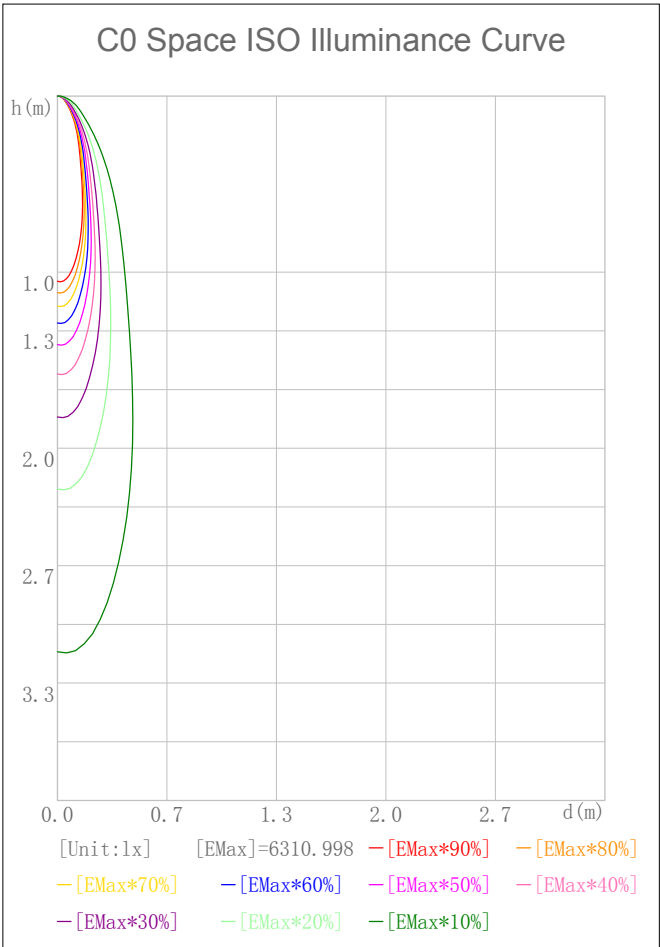
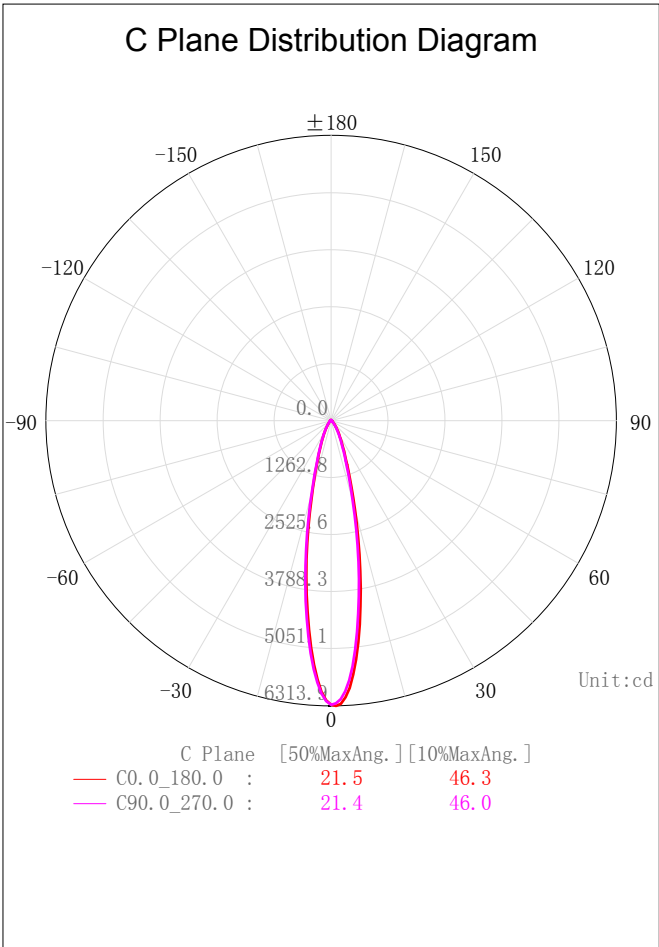
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-18-XX-01 2700K RA90 15D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/12/19
Manufacture: Shenzhen Norming Lighting Co., Ltd		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: QUality peatment		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.550m*0.550m*0.840m		Lum. Area (m2):0.765	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): 1483.360	Luminary Flux(lm): 1483.363	Field Angle(10%Imax): 46.3(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1445.852lm 97.47%	
Rated Voltage(V):	Luminary EER(lm/W): 88.453	Up Lumens&Percent: 37.511lm 2.53%	
Tested Power(W): 16.770	Max. Candela(cd): 6313.883	S/MH: C0_a180=0.366 C90_270=0.363	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.4, 0.072, 0.967	Beam Angle(50%Imax): 21.5(°)	ErP ϕ use(90°): 1334.467lm	
Lamp Size(W*L*H):0.550m*0.550m*0.840m	Left=-9.9°, Right=11.6°	IRF(%): 899.560	



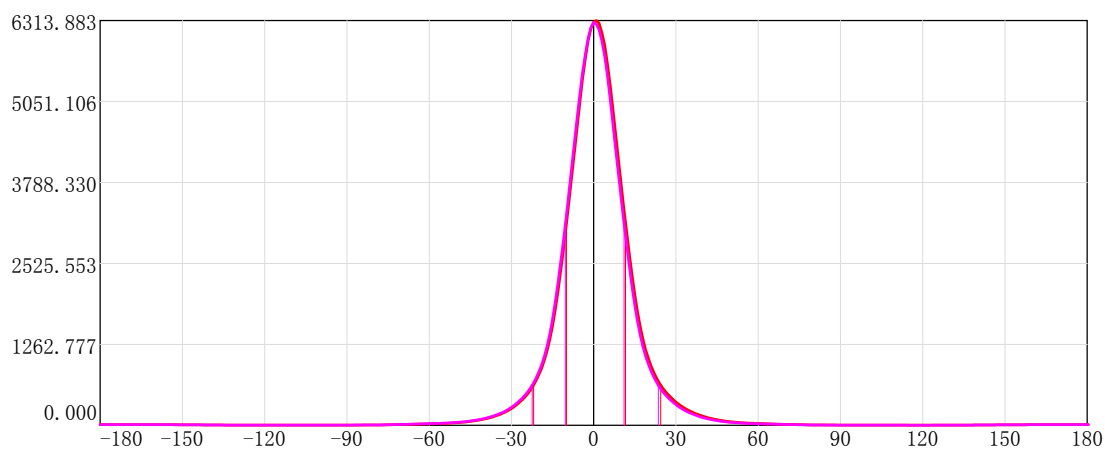
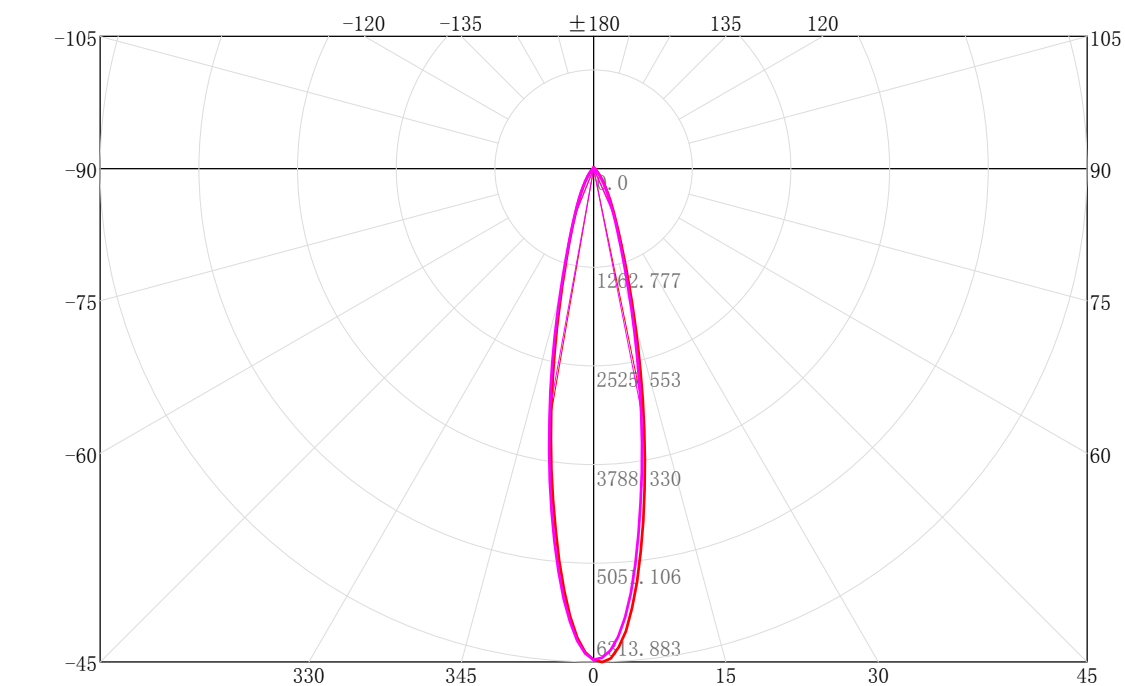
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]
C0.0_180.0 :	21.5	46.3
C90.0_270.0 :	21.4	46.0

Unit:cd

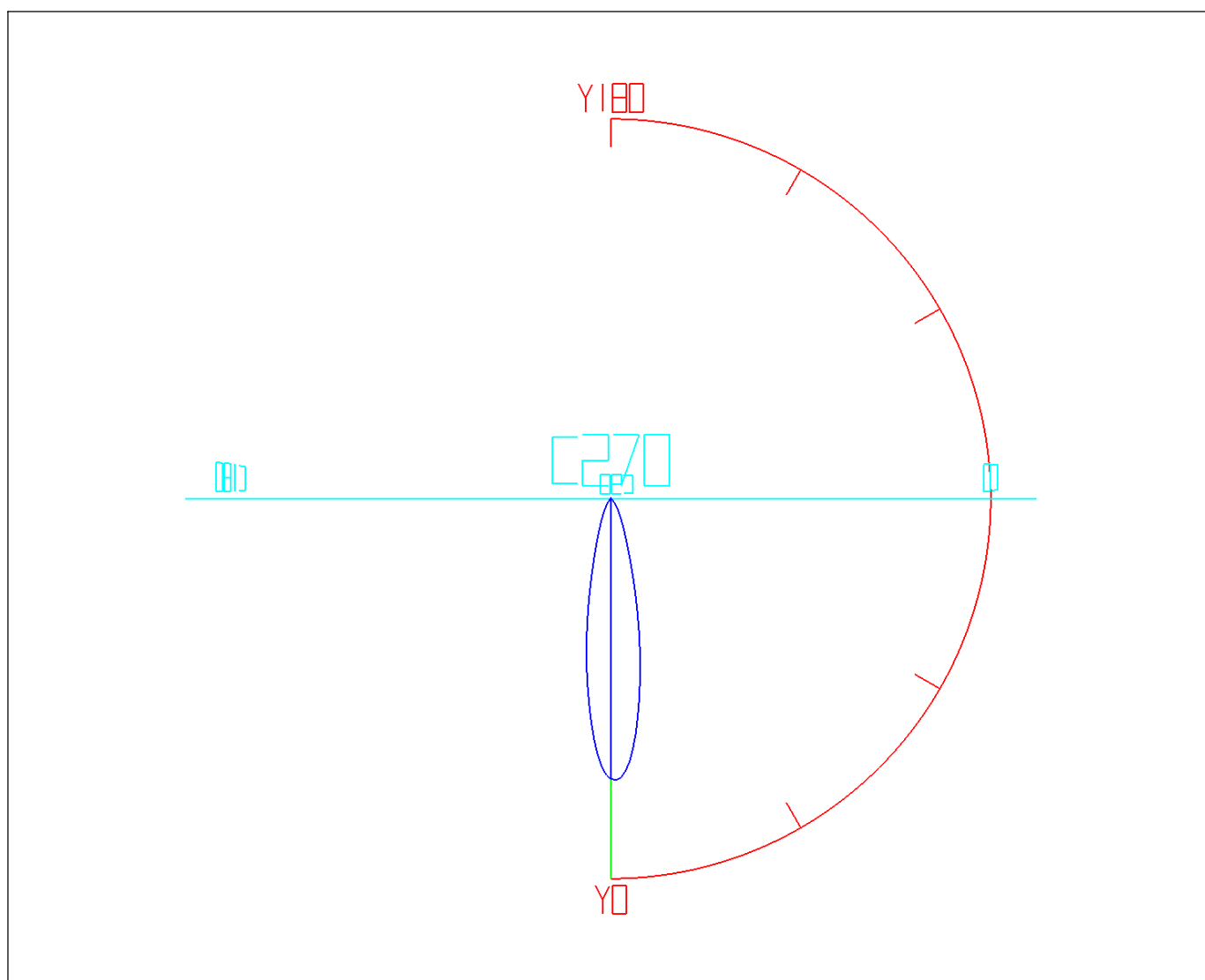
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	5.99	5.99	0.40	0.40	47.0-48.0	4.83	1364.77	0.33	92.01
1.0-2.0	17.74	23.74	1.20	1.60	48.0-49.0	4.52	1369.29	0.30	92.31
2.0-3.0	28.79	52.53	1.94	3.54	49.0-50.0	4.25	1373.54	0.29	92.60
3.0-4.0	38.73	91.26	2.61	6.15	50.0-51.0	4.00	1377.53	0.27	92.87
4.0-5.0	47.23	138.50	3.18	9.34	51.0-52.0	3.77	1381.31	0.25	93.12
5.0-6.0	54.09	192.59	3.65	12.98	52.0-53.0	3.57	1384.88	0.24	93.36
6.0-7.0	59.27	251.86	4.00	16.98	53.0-54.0	3.40	1388.28	0.23	93.59
7.0-8.0	62.83	314.68	4.24	21.21	54.0-55.0	3.24	1391.52	0.22	93.81
8.0-9.0	64.90	379.59	4.38	25.59	55.0-56.0	3.10	1394.62	0.21	94.02
9.0-10.0	65.52	445.11	4.42	30.01	56.0-57.0	2.97	1397.58	0.20	94.22
10.0-11.0	64.81	509.92	4.37	34.38	57.0-58.0	2.84	1400.43	0.19	94.41
11.0-12.0	62.92	572.84	4.24	38.62	58.0-59.0	2.73	1403.16	0.18	94.59
12.0-13.0	60.07	632.91	4.05	42.67	59.0-60.0	2.63	1405.79	0.18	94.77
13.0-14.0	56.54	689.45	3.81	46.48	60.0-61.0	2.53	1408.32	0.17	94.94
14.0-15.0	52.63	742.08	3.55	50.03	61.0-62.0	2.43	1410.75	0.16	95.11
15.0-16.0	48.64	790.71	3.28	53.31	62.0-63.0	2.34	1413.09	0.16	95.26
16.0-17.0	44.80	835.51	3.02	56.33	63.0-64.0	2.25	1415.34	0.15	95.41
17.0-18.0	41.26	876.77	2.78	59.11	64.0-65.0	2.15	1417.49	0.15	95.56
18.0-19.0	38.06	914.83	2.57	61.67	65.0-66.0	2.06	1419.55	0.14	95.70
19.0-20.0	35.20	950.03	2.37	64.05	66.0-67.0	1.96	1421.51	0.13	95.83
20.0-21.0	32.64	982.67	2.20	66.25	67.0-68.0	1.86	1423.38	0.13	95.96
21.0-22.0	30.34	1013.01	2.05	68.29	68.0-69.0	1.76	1425.14	0.12	96.07
22.0-23.0	28.28	1041.29	1.91	70.20	69.0-70.0	1.65	1426.79	0.11	96.19
23.0-24.0	26.39	1067.67	1.78	71.98	70.0-71.0	1.57	1428.36	0.11	96.29
24.0-25.0	24.66	1092.33	1.66	73.64	71.0-72.0	1.49	1429.85	0.10	96.39
25.0-26.0	23.07	1115.40	1.56	75.19	72.0-73.0	1.41	1431.25	0.09	96.49
26.0-27.0	21.59	1136.99	1.46	76.65	73.0-74.0	1.32	1432.57	0.09	96.58
27.0-28.0	20.18	1157.18	1.36	78.01	74.0-75.0	1.23	1433.81	0.08	96.66
28.0-29.0	18.83	1176.00	1.27	79.28	75.0-76.0	1.15	1434.96	0.08	96.74
29.0-30.0	17.52	1193.52	1.18	80.46	76.0-77.0	1.05	1436.01	0.07	96.81
30.0-31.0	16.32	1209.85	1.10	81.56	77.0-78.0	0.96	1436.97	0.06	96.87
31.0-32.0	15.22	1225.07	1.03	82.59	78.0-79.0	0.89	1437.85	0.06	96.93
32.0-33.0	14.20	1239.27	0.96	83.54	79.0-80.0	0.85	1438.70	0.06	96.99
33.0-34.0	13.23	1252.50	0.89	84.44	80.0-81.0	0.82	1439.52	0.06	97.04
34.0-35.0	12.31	1264.81	0.83	85.27	81.0-82.0	0.80	1440.32	0.05	97.10
35.0-36.0	11.46	1276.27	0.77	86.04	82.0-83.0	0.77	1441.09	0.05	97.15
36.0-37.0	10.66	1286.93	0.72	86.76	83.0-84.0	0.75	1441.84	0.05	97.20
37.0-38.0	9.91	1296.85	0.67	87.43	84.0-85.0	0.72	1442.56	0.05	97.25
38.0-39.0	9.21	1306.06	0.62	88.05	85.0-86.0	0.70	1443.27	0.05	97.30
39.0-40.0	8.57	1314.63	0.58	88.63	86.0-87.0	0.68	1443.95	0.05	97.34
40.0-41.0	7.97	1322.60	0.54	89.16	87.0-88.0	0.66	1444.60	0.04	97.39
41.0-42.0	7.41	1330.01	0.50	89.66	88.0-89.0	0.63	1445.24	0.04	97.43
42.0-43.0	6.88	1336.89	0.46	90.13	89.0-90.0	0.62	1445.85	0.04	97.47
43.0-44.0	6.39	1343.28	0.43	90.56	90.0-91.0	0.60	1446.45	0.04	97.51
44.0-45.0	5.95	1349.23	0.40	90.96	91.0-92.0	0.58	1447.04	0.04	97.55
45.0-46.0	5.54	1354.77	0.37	91.33	92.0-93.0	0.57	1447.61	0.04	97.59
46.0-47.0	5.17	1359.94	0.35	91.68	93.0-94.0	0.56	1448.17	0.04	97.63

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	0.55	1448.71	0.04	97.66	141.0-142.0	0.53	1469.21	0.04	99.05
95.0-96.0	0.53	1449.25	0.04	97.70	142.0-143.0	0.53	1469.74	0.04	99.08
96.0-97.0	0.52	1449.77	0.04	97.74	143.0-144.0	0.54	1470.29	0.04	99.12
97.0-98.0	0.51	1450.28	0.03	97.77	144.0-145.0	0.55	1470.84	0.04	99.16
98.0-99.0	0.50	1450.77	0.03	97.80	145.0-146.0	0.56	1471.40	0.04	99.19
99.0-100.0	0.49	1451.26	0.03	97.84	146.0-147.0	0.56	1471.96	0.04	99.23
100.0-101.0	0.48	1451.74	0.03	97.87	147.0-148.0	0.57	1472.53	0.04	99.27
101.0-102.0	0.47	1452.21	0.03	97.90	148.0-149.0	0.57	1473.10	0.04	99.31
102.0-103.0	0.47	1452.68	0.03	97.93	149.0-150.0	0.56	1473.66	0.04	99.35
103.0-104.0	0.46	1453.14	0.03	97.96	150.0-151.0	0.56	1474.22	0.04	99.38
104.0-105.0	0.45	1453.59	0.03	97.99	151.0-152.0	0.56	1474.78	0.04	99.42
105.0-106.0	0.45	1454.03	0.03	98.02	152.0-153.0	0.55	1475.32	0.04	99.46
106.0-107.0	0.44	1454.47	0.03	98.05	153.0-154.0	0.54	1475.86	0.04	99.49
107.0-108.0	0.44	1454.91	0.03	98.08	154.0-155.0	0.53	1476.39	0.04	99.53
108.0-109.0	0.43	1455.34	0.03	98.11	155.0-156.0	0.51	1476.90	0.03	99.56
109.0-110.0	0.43	1455.77	0.03	98.14	156.0-157.0	0.50	1477.40	0.03	99.60
110.0-111.0	0.42	1456.18	0.03	98.17	157.0-158.0	0.48	1477.89	0.03	99.63
111.0-112.0	0.41	1456.59	0.03	98.20	158.0-159.0	0.47	1478.36	0.03	99.66
112.0-113.0	0.41	1457.00	0.03	98.22	159.0-160.0	0.45	1478.81	0.03	99.69
113.0-114.0	0.41	1457.41	0.03	98.25	160.0-161.0	0.43	1479.24	0.03	99.72
114.0-115.0	0.40	1457.81	0.03	98.28	161.0-162.0	0.41	1479.66	0.03	99.75
115.0-116.0	0.39	1458.20	0.03	98.30	162.0-163.0	0.39	1480.05	0.03	99.78
116.0-117.0	0.39	1458.59	0.03	98.33	163.0-164.0	0.37	1480.43	0.03	99.80
117.0-118.0	0.39	1458.98	0.03	98.36	164.0-165.0	0.35	1480.78	0.02	99.83
118.0-119.0	0.39	1459.37	0.03	98.38	165.0-166.0	0.33	1481.11	0.02	99.85
119.0-120.0	0.39	1459.76	0.03	98.41	166.0-167.0	0.31	1481.42	0.02	99.87
120.0-121.0	0.38	1460.14	0.03	98.43	167.0-168.0	0.29	1481.71	0.02	99.89
121.0-122.0	0.38	1460.52	0.03	98.46	168.0-169.0	0.26	1481.98	0.02	99.91
122.0-123.0	0.38	1460.90	0.03	98.49	169.0-170.0	0.24	1482.22	0.02	99.92
123.0-124.0	0.38	1461.28	0.03	98.51	170.0-171.0	0.22	1482.44	0.01	99.94
124.0-125.0	0.38	1461.66	0.03	98.54	171.0-172.0	0.19	1482.63	0.01	99.95
125.0-126.0	0.38	1462.05	0.03	98.56	172.0-173.0	0.17	1482.80	0.01	99.96
126.0-127.0	0.39	1462.44	0.03	98.59	173.0-174.0	0.15	1482.95	0.01	99.97
127.0-128.0	0.39	1462.83	0.03	98.62	174.0-175.0	0.13	1483.08	0.01	99.98
128.0-129.0	0.40	1463.22	0.03	98.64	175.0-176.0	0.10	1483.18	0.01	99.99
129.0-130.0	0.40	1463.63	0.03	98.67	176.0-177.0	0.08	1483.26	0.01	99.99
130.0-131.0	0.41	1464.04	0.03	98.70	177.0-178.0	0.06	1483.32	0.00	100.00
131.0-132.0	0.42	1464.45	0.03	98.73	178.0-179.0	0.03	1483.35	0.00	100.00
132.0-133.0	0.43	1464.88	0.03	98.75	179.0-180.0	0.01	1483.36	0.00	100.00
133.0-134.0	0.44	1465.31	0.03	98.78					
134.0-135.0	0.45	1465.76	0.03	98.81					
135.0-136.0	0.46	1466.22	0.03	98.84					
136.0-137.0	0.47	1466.69	0.03	98.88					
137.0-138.0	0.48	1467.17	0.03	98.91					
138.0-139.0	0.49	1467.66	0.03	98.94					
139.0-140.0	0.50	1468.17	0.03	98.98					
140.0-141.0	0.52	1468.68	0.03	99.01					

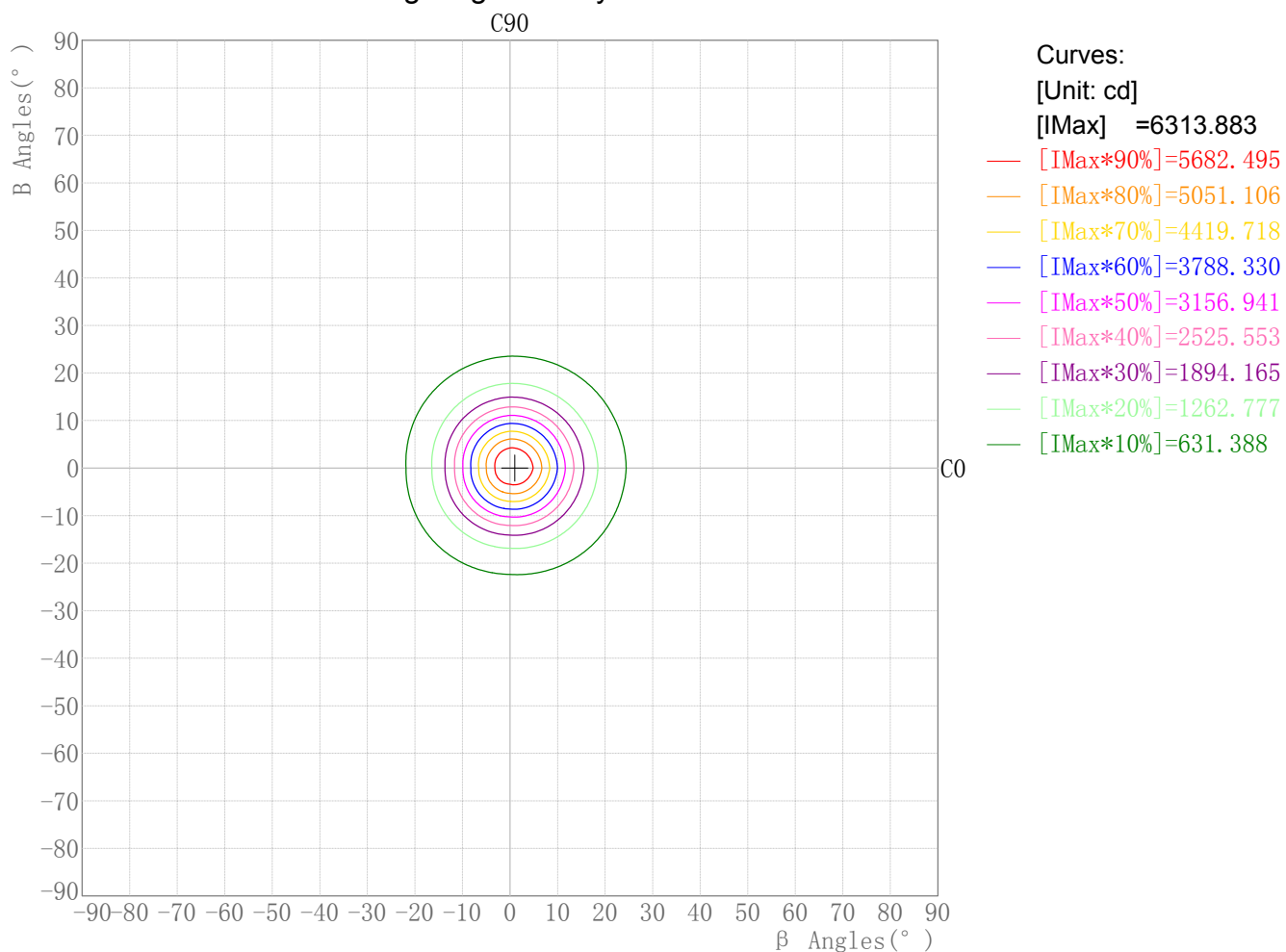
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

ISO Lighting Intensity Curve



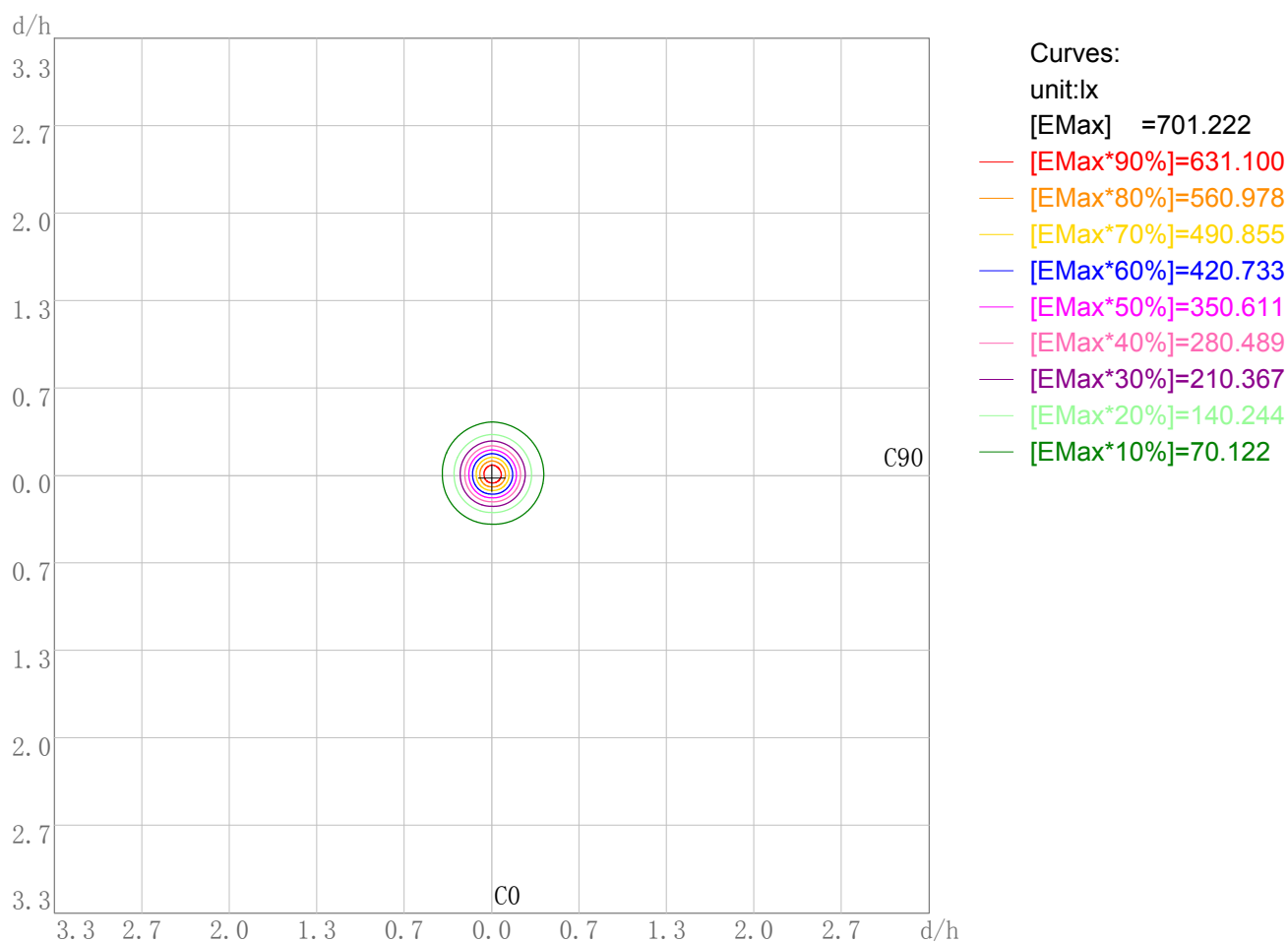
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 701.22

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

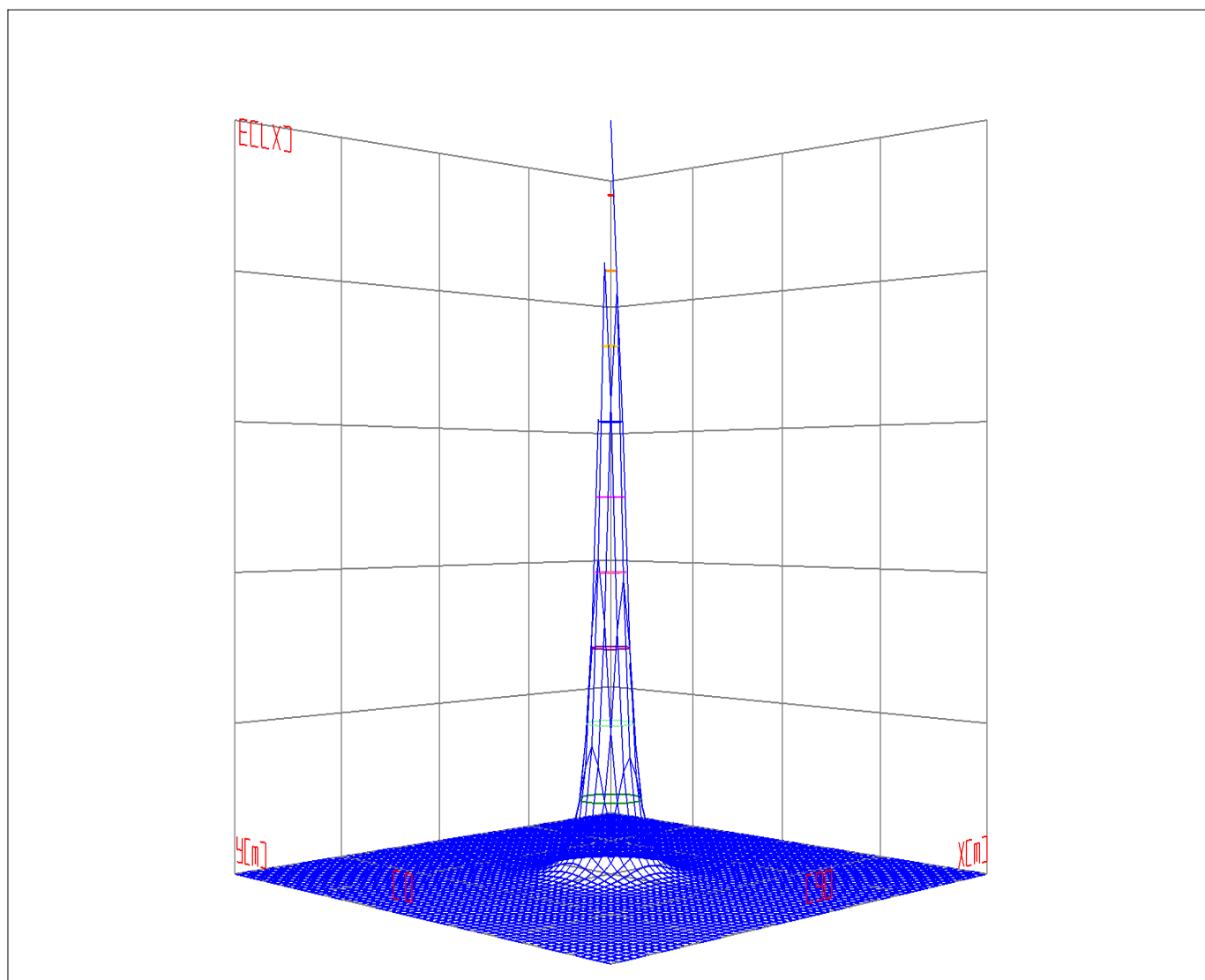
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

3D Plane Illuminance Modal

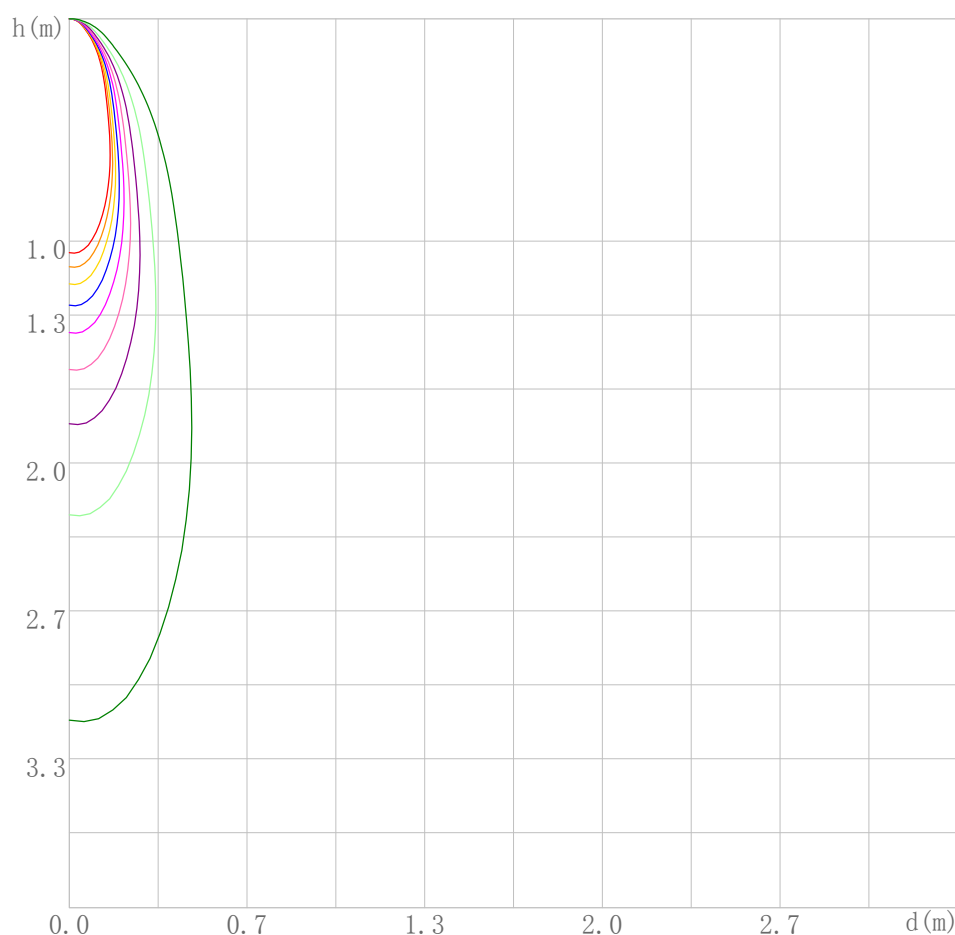


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =6310.998

— [EMax*90%]=5679.899

— [EMax*80%]=5048.799

— [EMax*70%]=4417.699

— [EMax*60%]=3786.599

— [EMax*50%]=3155.499

— [EMax*40%]=2524.399

— [EMax*30%]=1893.300

— [EMax*20%]=1262.200

— [EMax*10%]=631.100

Space Plane Maximum Illuminance and @Angle:6311.00lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:6313.883cd,0deg

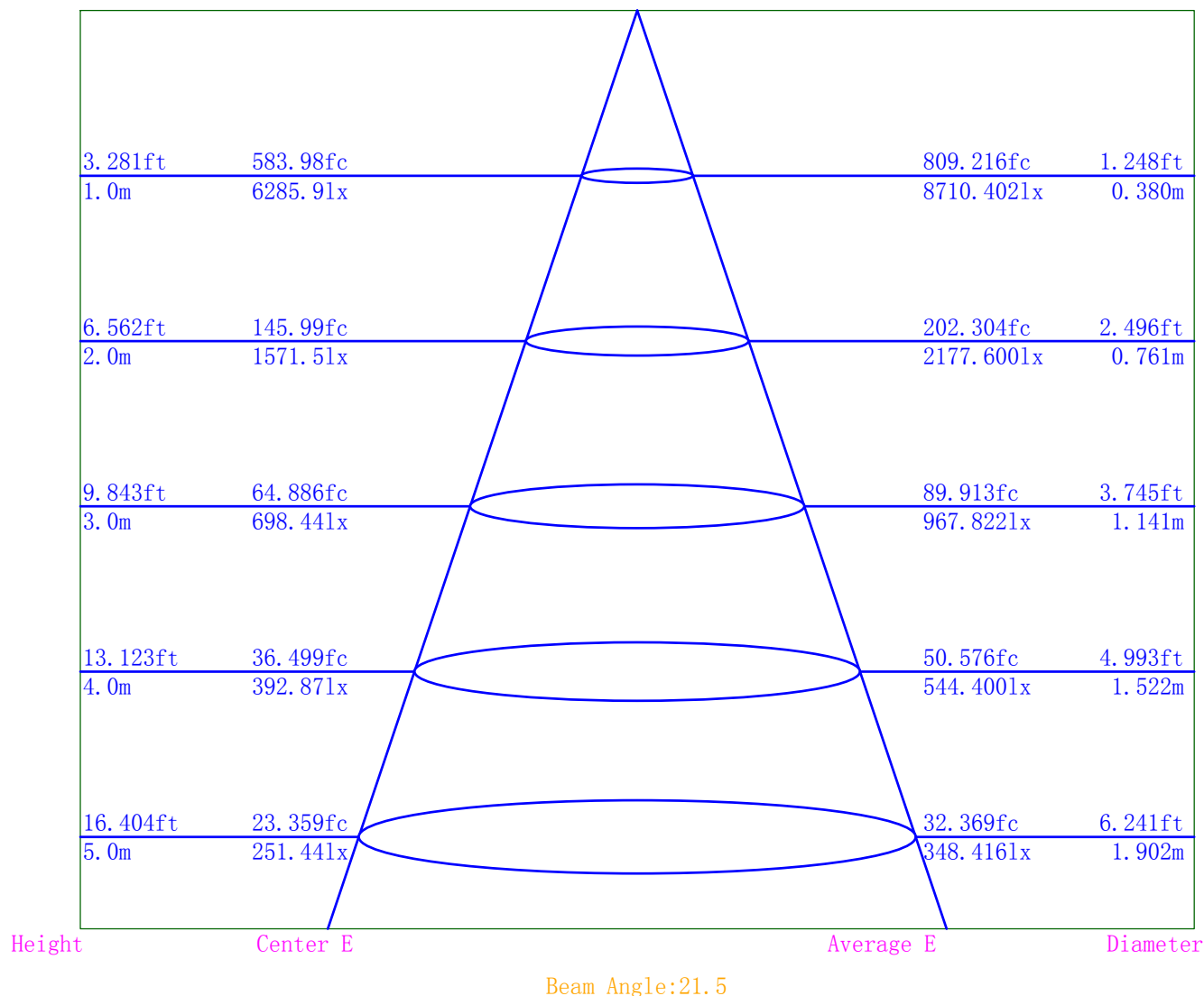
IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-18-XX-01 2700K RA90 15D	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: 2019/12/19

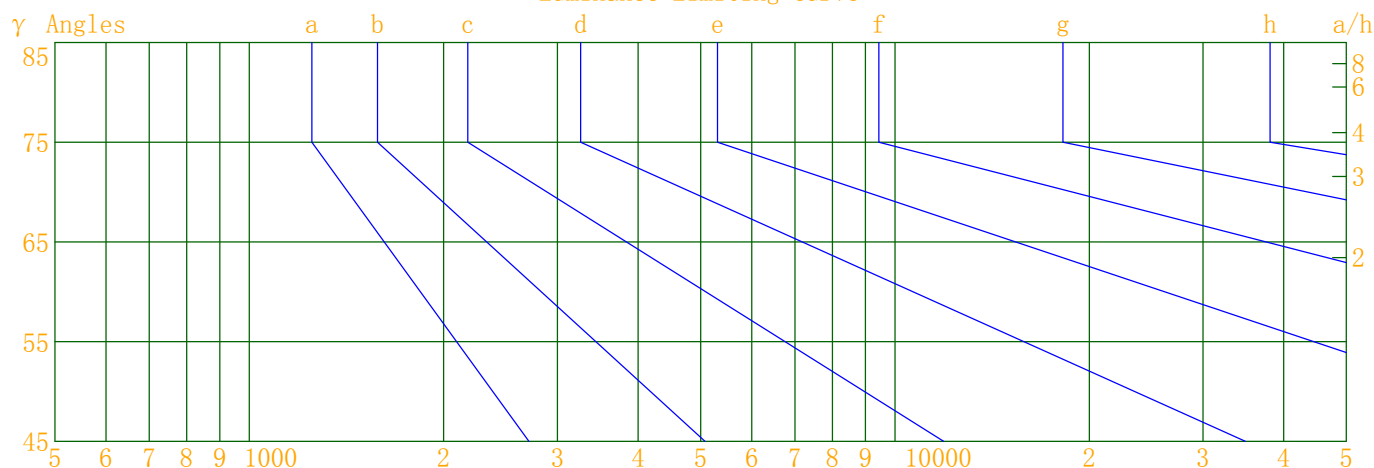
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama(deg)	45	50	55	60	65	70	75	80	85
C0	165	117	92	79	73	66	64	63	107
C90	138	98	78	68	63	57	55	54	92

Luminance Limiting Curve



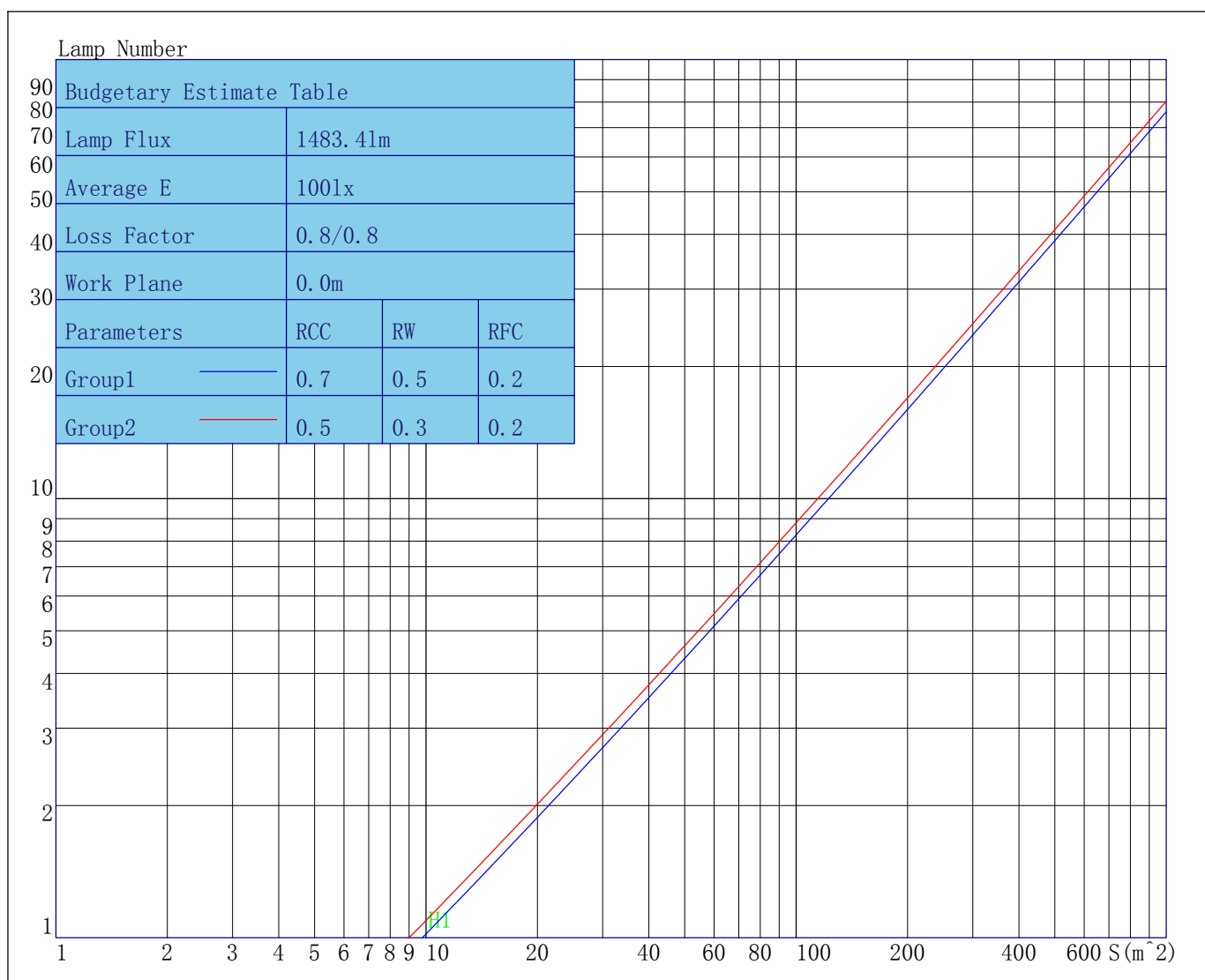
Luminous Size: Length(m)=0.550 Width(m)=0.550 Height(m)=0.840 Area(m^2)=0.764500
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

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	105	105	105	100	100	100	97
1	113	111	108	106	111	108	106	104	104	102	101	100	98	97	96	95	94	92
2	109	104	100	97	106	102	99	96	99	96	94	95	93	91	92	91	89	87
3	104	98	94	91	102	97	93	90	94	91	88	91	89	86	89	87	85	83
4	100	93	89	85	98	92	88	84	90	86	83	88	84	82	85	83	81	79
5	96	89	84	80	94	88	83	80	86	82	79	84	81	78	82	80	77	76
6	93	85	80	77	91	84	80	76	83	79	76	81	78	75	80	77	74	73
7	89	82	77	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	71	69	68
9	84	76	71	68	83	75	71	68	74	70	67	73	70	67	72	69	67	65
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	70	67	64	63

IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Unified Glare Rating Table

Lum. Name: MD10-18-XX-01 2700K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/19

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	0.2	1.2	0.6	1.5	1.9	-0.6	0.4	-0.2	0.7	1.1
	Y=3H	0.7	1.6	1.2	2.0	2.4	-0.1	0.8	0.3	1.2	1.6
	Y=4H	1.0	1.8	1.5	2.2	2.7	0.2	1.0	0.6	1.4	1.9
	Y=6H	1.3	2.0	1.7	2.4	2.9	0.4	1.1	0.9	1.6	2.0
	Y=8H	1.4	2.1	1.9	2.6	3.0	0.5	1.2	1.0	1.7	2.2
	Y=12H	1.6	2.3	2.1	2.7	3.2	0.7	1.4	1.2	1.9	2.4
X=4H	Y=2H	0.3	1.1	0.7	1.5	1.9	-0.5	0.3	-0.1	0.7	1.2
	Y=3H	1.0	1.7	1.5	2.2	2.6	0.2	0.9	0.7	1.4	1.8
	Y=4H	1.4	2.0	1.9	2.5	3.0	0.6	1.2	1.1	1.7	2.2
	Y=6H	1.8	2.3	2.3	2.8	3.3	1.0	1.5	1.5	2.0	2.5
	Y=8H	2.0	2.5	2.5	3.0	3.5	1.2	1.7	1.7	2.2	2.7
	Y=12H	2.3	2.8	2.9	3.3	3.8	1.5	1.9	2.0	2.5	3.0
X=8H	Y=4H	1.5	2.0	2.0	2.5	3.0	0.7	1.2	1.2	1.7	2.2
	Y=6H	2.0	2.4	2.5	2.9	3.5	1.2	1.6	1.8	2.1	2.7
	Y=8H	2.3	2.7	2.9	3.3	3.8	1.6	1.9	2.1	2.5	3.0
	Y=12H	2.9	3.2	3.4	3.7	4.4	2.1	2.4	2.6	2.9	3.5
X=12H	Y=4H	1.5	1.9	2.0	2.4	3.0	0.7	1.1	1.2	1.7	2.2
	Y=6H	2.0	2.4	2.6	2.9	3.5	1.3	1.6	1.8	2.1	2.7
	Y=8H	2.5	2.8	3.0	3.3	4.0	1.7	2.0	2.2	2.5	3.2
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/-0.6					0.7/-0.7				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.0					2.0				

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	6285.94	6285.94	6285.94	6285.94
γ 1.0	6313.88	6256.63	6188.24	6205.09
γ 2.0	6270.87	6167.80	6006.88	6043.20
γ 3.0	6129.33	5999.02	5737.02	5803.47
γ 4.0	5930.63	5758.83	5412.13	5511.44
γ 5.0	5640.08	5455.86	5041.78	5167.87
γ 6.0	5315.99	5095.92	4652.37	4803.15
γ 7.0	4940.55	4709.02	4260.40	4415.51
γ 8.0	4554.94	4317.74	3883.89	4033.31
γ 9.0	4164.91	3937.59	3497.35	3642.90
γ 10.0	3779.51	3559.23	3120.16	3259.18
γ 11.0	3392.98	3186.64	2751.76	2894.69
γ 12.0	3023.66	2819.25	2408.00	2547.33
γ 13.0	2670.23	2477.30	2083.50	2218.28
γ 14.0	2343.75	2158.01	1798.30	1917.98
γ 15.0	2039.63	1873.19	1549.66	1654.44
γ 16.0	1773.05	1622.99	1340.01	1424.32
γ 17.0	1538.75	1408.37	1163.43	1235.69
γ 18.0	1342.20	1227.67	1017.44	1076.01
γ 19.0	1175.30	1076.21	891.08	944.12
γ 20.0	1038.47	948.39	787.51	832.15
γ 21.0	918.49	840.34	697.65	736.37
γ 22.0	820.05	747.46	621.87	656.50
γ 23.0	734.29	669.10	554.59	586.96
γ 24.0	659.51	599.23	496.98	526.94
γ 25.0	594.83	539.83	446.25	474.10
γ 26.0	538.51	486.59	402.22	427.59
γ 27.0	487.74	439.83	361.40	385.81
γ 28.0	443.59	397.24	325.01	348.03
γ 29.0	401.58	358.13	291.83	312.86
γ 30.0	363.91	323.23	262.62	281.80
γ 31.0	330.85	292.63	237.20	253.97
γ 32.0	301.29	265.40	214.74	229.48
γ 33.0	274.26	240.36	194.05	207.97
γ 34.0	249.87	217.49	175.50	188.88
γ 35.0	227.06	197.18	158.76	171.36
γ 36.0	207.07	178.66	144.11	155.52
γ 37.0	188.33	162.11	130.82	141.22
γ 38.0	171.47	146.70	118.95	128.55
γ 39.0	156.07	132.88	108.18	116.92
γ 40.0	142.41	120.39	99.07	106.70
γ 41.0	129.86	109.31	90.49	97.45
γ 42.0	118.15	98.82	82.61	89.04
γ 43.0	107.38	89.68	75.43	81.61
γ 44.0	98.03	81.53	68.78	74.86
γ 45.0	89.43	74.61	63.08	68.68
γ 46.0	81.63	68.05	58.00	63.37

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	74.45	62.20	53.45	58.60
γ 48.0	68.25	57.07	49.28	54.55
γ 49.0	62.69	52.51	45.57	50.74
γ 50.0	57.72	48.36	42.46	47.32
γ 51.0	53.34	44.78	39.61	44.22
γ 52.0	49.44	41.59	37.11	41.62
γ 53.0	45.88	38.73	34.99	39.27
γ 54.0	42.94	36.33	33.10	37.10
γ 55.0	40.28	34.10	31.34	35.18
γ 56.0	37.89	32.16	29.76	33.41
γ 57.0	35.66	30.40	28.34	31.78
γ 58.0	33.83	28.74	27.03	30.25
γ 59.0	32.05	27.33	25.85	28.90
γ 60.0	30.32	26.00	24.70	27.58
γ 61.0	28.77	24.74	23.55	26.41
γ 62.0	27.32	23.48	22.52	25.10
γ 63.0	25.91	22.39	21.50	24.01
γ 64.0	24.70	21.28	20.40	22.91
γ 65.0	23.45	20.21	19.38	21.74
γ 66.0	22.28	19.20	18.31	20.61
γ 67.0	21.08	18.00	17.30	19.47
γ 68.0	19.89	17.05	16.18	18.23
γ 69.0	18.61	15.76	15.14	16.93
γ 70.0	17.22	14.90	14.20	16.02
γ 71.0	16.30	14.17	13.46	15.17
γ 72.0	15.35	13.30	12.62	14.17
γ 73.0	14.50	12.42	11.85	13.30
γ 74.0	13.48	11.56	11.03	12.39
γ 75.0	12.70	10.79	10.10	11.43
γ 76.0	11.74	9.99	9.20	10.45
γ 77.0	10.67	9.05	8.38	9.42
γ 78.0	9.65	8.02	7.67	8.71
γ 79.0	8.67	7.50	7.47	8.38
γ 80.0	8.42	7.18	7.20	8.14
γ 81.0	8.07	6.99	6.92	7.86
γ 82.0	7.84	6.75	6.75	7.57
γ 83.0	7.63	6.59	6.48	7.31
γ 84.0	7.30	6.30	6.29	7.05
γ 85.0	7.12	6.11	6.08	6.78
γ 86.0	6.88	5.93	5.85	6.62
γ 87.0	6.64	5.74	5.61	6.36
γ 88.0	6.45	5.60	5.41	6.09
γ 89.0	6.20	5.37	5.31	5.91
γ 90.0	6.01	5.21	5.17	5.77
γ 91.0	5.89	5.05	4.97	5.59
γ 92.0	5.79	5.01	4.90	5.46
γ 93.0	5.65	4.87	4.81	5.37

IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.55	4.90	4.57	5.22
γ 95.0	5.47	4.68	4.55	4.98
γ 96.0	5.28	4.65	4.42	4.98
γ 97.0	5.15	4.55	4.28	4.87
γ 98.0	5.13	4.45	4.20	4.78
γ 99.0	5.04	4.38	4.15	4.62
γ 100.0	4.94	4.25	4.15	4.56
γ 101.0	4.86	4.29	4.01	4.47
γ 102.0	4.85	4.28	4.03	4.41
γ 103.0	4.67	4.18	3.99	4.35
γ 104.0	4.66	4.15	3.93	4.33
γ 105.0	4.62	4.13	3.97	4.22
γ 106.0	4.61	4.15	3.95	4.19
γ 107.0	4.51	4.04	3.93	4.22
γ 108.0	4.44	4.00	3.91	4.23
γ 109.0	4.41	4.02	3.90	4.17
γ 110.0	4.35	3.99	3.94	4.12
γ 111.0	4.27	3.88	3.88	4.11
γ 112.0	4.23	3.79	3.94	4.13
γ 113.0	4.21	3.88	3.87	4.13
γ 114.0	4.19	3.82	4.03	4.15
γ 115.0	4.09	3.74	3.95	4.16
γ 116.0	4.11	3.74	3.99	4.08
γ 117.0	3.96	3.70	4.05	4.15
γ 118.0	4.02	3.71	4.06	4.28
γ 119.0	3.96	3.67	4.22	4.33
γ 120.0	4.01	3.71	4.17	4.30
γ 121.0	4.00	3.70	4.22	4.28
γ 122.0	3.98	3.72	4.30	4.37
γ 123.0	4.01	3.71	4.41	4.45
γ 124.0	3.96	3.82	4.52	4.46
γ 125.0	4.00	3.88	4.63	4.52
γ 126.0	4.12	3.93	4.69	4.69
γ 127.0	4.20	4.05	4.80	4.78
γ 128.0	4.24	4.19	4.94	4.84
γ 129.0	4.29	4.21	5.18	5.06
γ 130.0	4.40	4.39	5.30	5.26
γ 131.0	4.51	4.48	5.56	5.39
γ 132.0	4.78	4.69	5.66	5.53
γ 133.0	4.92	4.84	5.96	5.72
γ 134.0	5.06	5.12	6.21	6.00
γ 135.0	5.29	5.36	6.54	6.18
γ 136.0	5.48	5.59	6.79	6.50
γ 137.0	5.69	5.81	7.05	6.83
γ 138.0	6.03	6.12	7.38	7.07
γ 139.0	6.30	6.36	7.64	7.26
γ 140.0	6.54	6.68	8.08	7.65

IES Indoor Report

Photometric Filename:MD10-18-XX-01 2700K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.89	6.97	8.35	7.99
γ 142.0	7.26	7.28	8.65	8.19
γ 143.0	7.52	7.60	8.92	8.66
γ 144.0	7.81	7.98	9.33	9.01
γ 145.0	8.21	8.20	9.64	9.30
γ 146.0	8.48	8.67	9.94	9.58
γ 147.0	8.85	8.95	10.23	9.83
γ 148.0	9.15	9.26	10.48	10.11
γ 149.0	9.41	9.45	10.82	10.45
γ 150.0	9.62	9.81	10.97	10.57
γ 151.0	9.95	10.00	11.22	10.86
γ 152.0	10.20	10.26	11.40	11.04
γ 153.0	10.47	10.44	11.48	11.17
γ 154.0	10.71	10.60	11.67	11.39
γ 155.0	10.87	10.81	11.87	11.49
γ 156.0	11.07	10.87	11.92	11.57
γ 157.0	11.20	11.05	12.05	11.74
γ 158.0	11.36	11.15	12.12	11.74
γ 159.0	11.44	11.42	12.27	11.82
γ 160.0	11.59	11.44	12.31	11.96
γ 161.0	11.68	11.54	12.35	11.98
γ 162.0	11.73	11.59	12.41	11.99
γ 163.0	11.87	11.64	12.38	12.08
γ 164.0	11.96	11.75	12.52	12.09
γ 165.0	12.03	11.81	12.48	12.01
γ 166.0	12.06	11.84	12.49	12.14
γ 167.0	12.06	11.90	12.40	12.09
γ 168.0	12.07	11.91	12.41	12.08
γ 169.0	12.09	11.97	12.40	12.03
γ 170.0	12.11	11.98	12.41	11.94
γ 171.0	12.01	11.92	12.29	11.99
γ 172.0	12.07	11.90	12.24	11.80
γ 173.0	12.04	11.89	12.21	11.84
γ 174.0	11.97	11.76	12.11	11.82
γ 175.0	11.96	11.81	12.10	11.82
γ 176.0	11.96	11.84	12.05	11.73
γ 177.0	11.98	11.80	12.04	11.80
γ 178.0	11.93	11.84	12.07	11.82
γ 179.0	11.95	11.80	12.06	11.86
γ 180.0	11.95	11.95	11.95	11.95