

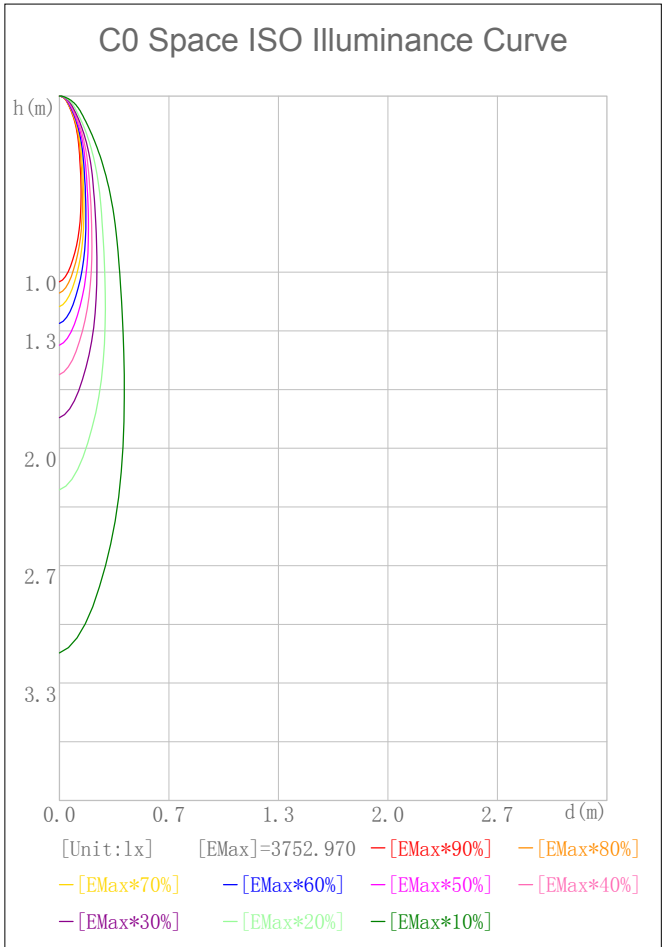
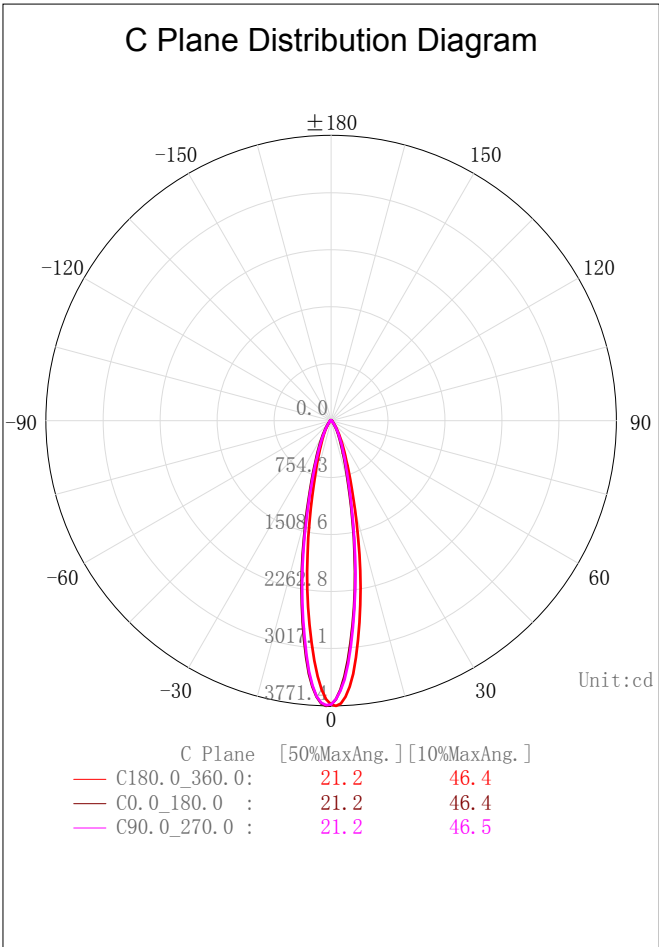
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-DW-01 2000K-3000K RA95 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/11/25
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

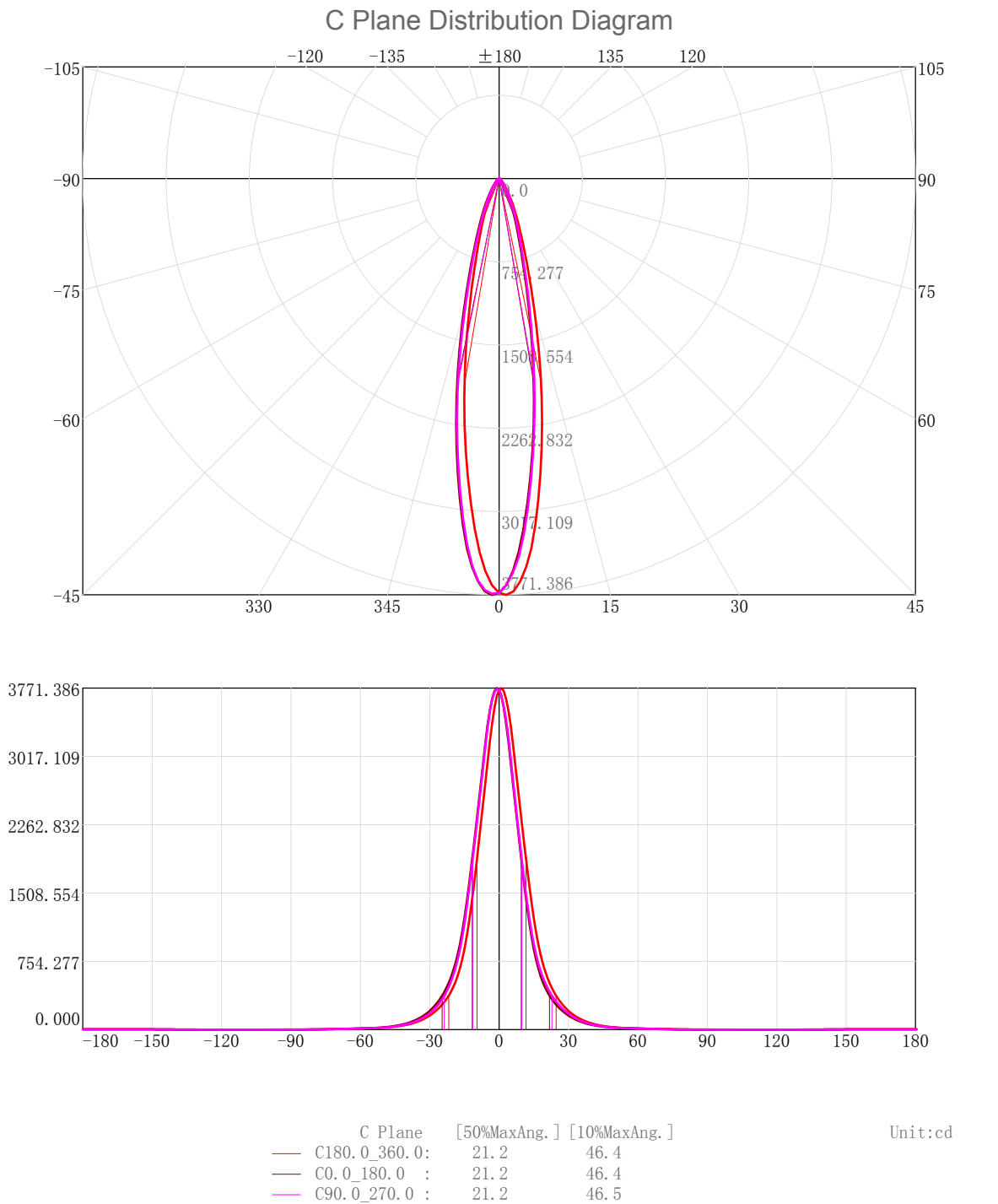
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 849.350	Luminary Flux(lm): 849.353	Field Angle(10%Imax): 46.4(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 840.930lm 99.01%
Rated Voltage(V):	Luminary EER(lm/W): 69.335	Up Lumens&Percent: 8.422lm 0.99%
Tested Power(W): 12.250	Max. Candela(cd): 3771.386	S/MH: C0_a180=0.361 C90_270=0.360
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.1, 0.053, 0.948	Beam Angle(50%Imax): 21.2(°)	ErP ϕ use(90°): 803.609lm
Lamp Size (W*L*H):0.050m*0.050m*0.750m	Left=-9.6°, Right=11.6°	IRF(%): 1025.255



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25



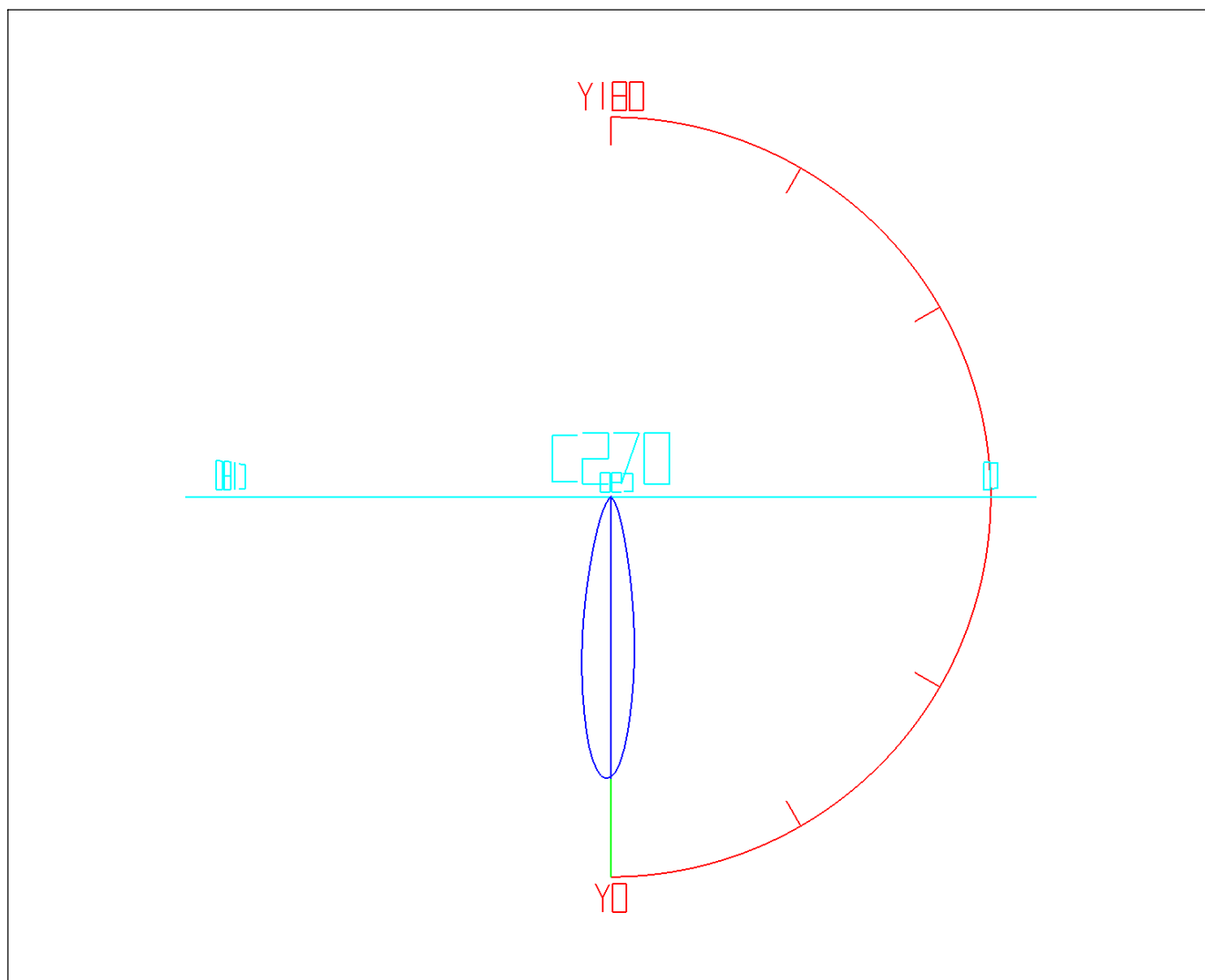
IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

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

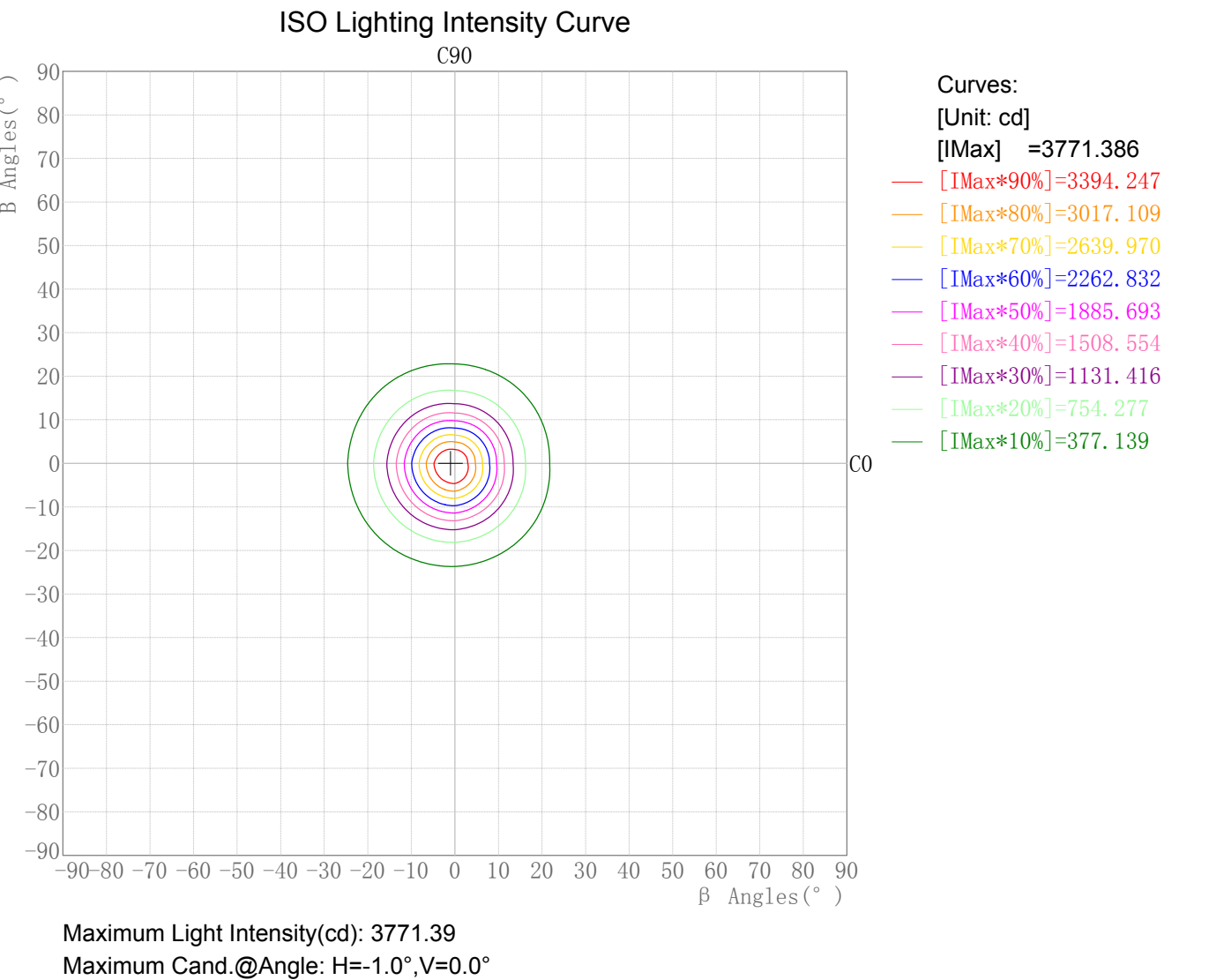
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	3.58	3.58	0.42	0.42	47.0-48.0	2.39	803.81	0.28	94.64
1.0-2.0	10.59	14.16	1.25	1.67	48.0-49.0	2.24	806.04	0.26	94.90
2.0-3.0	17.17	31.34	2.02	3.69	49.0-50.0	2.10	808.14	0.25	95.15
3.0-4.0	23.06	54.39	2.71	6.40	50.0-51.0	1.97	810.11	0.23	95.38
4.0-5.0	28.04	82.43	3.30	9.71	51.0-52.0	1.86	811.97	0.22	95.60
5.0-6.0	32.00	114.43	3.77	13.47	52.0-53.0	1.77	813.74	0.21	95.81
6.0-7.0	34.95	149.38	4.11	17.59	53.0-54.0	1.68	815.42	0.20	96.01
7.0-8.0	36.99	186.37	4.36	21.94	54.0-55.0	1.61	817.03	0.19	96.19
8.0-9.0	38.18	224.55	4.50	26.44	55.0-56.0	1.53	818.56	0.18	96.37
9.0-10.0	38.54	263.09	4.54	30.97	56.0-57.0	1.47	820.03	0.17	96.55
10.0-11.0	38.10	301.19	4.49	35.46	57.0-58.0	1.41	821.44	0.17	96.71
11.0-12.0	36.99	338.18	4.36	39.82	58.0-59.0	1.35	822.78	0.16	96.87
12.0-13.0	35.36	373.54	4.16	43.98	59.0-60.0	1.30	824.08	0.15	97.02
13.0-14.0	33.37	406.92	3.93	47.91	60.0-61.0	1.24	825.32	0.15	97.17
14.0-15.0	31.19	438.11	3.67	51.58	61.0-62.0	1.19	826.51	0.14	97.31
15.0-16.0	28.99	467.10	3.41	55.00	62.0-63.0	1.13	827.64	0.13	97.44
16.0-17.0	26.87	493.97	3.16	58.16	63.0-64.0	1.08	828.73	0.13	97.57
17.0-18.0	24.90	518.88	2.93	61.09	64.0-65.0	1.03	829.76	0.12	97.69
18.0-19.0	23.09	541.97	2.72	63.81	65.0-66.0	0.98	830.74	0.12	97.81
19.0-20.0	21.44	563.41	2.52	66.33	66.0-67.0	0.93	831.67	0.11	97.92
20.0-21.0	19.92	583.33	2.35	68.68	67.0-68.0	0.87	832.54	0.10	98.02
21.0-22.0	18.54	601.87	2.18	70.86	68.0-69.0	0.82	833.36	0.10	98.12
22.0-23.0	17.29	619.16	2.04	72.90	69.0-70.0	0.76	834.12	0.09	98.21
23.0-24.0	16.12	635.28	1.90	74.80	70.0-71.0	0.71	834.83	0.08	98.29
24.0-25.0	15.04	650.32	1.77	76.57	71.0-72.0	0.66	835.49	0.08	98.37
25.0-26.0	14.01	664.33	1.65	78.22	72.0-73.0	0.62	836.11	0.07	98.44
26.0-27.0	13.01	677.34	1.53	79.75	73.0-74.0	0.57	836.67	0.07	98.51
27.0-28.0	12.05	689.39	1.42	81.17	74.0-75.0	0.51	837.19	0.06	98.57
28.0-29.0	11.15	700.54	1.31	82.48	75.0-76.0	0.46	837.65	0.05	98.62
29.0-30.0	10.30	710.84	1.21	83.69	76.0-77.0	0.40	838.05	0.05	98.67
30.0-31.0	9.51	720.36	1.12	84.81	77.0-78.0	0.35	838.40	0.04	98.71
31.0-32.0	8.78	729.13	1.03	85.85	78.0-79.0	0.31	838.71	0.04	98.75
32.0-33.0	8.10	737.23	0.95	86.80	79.0-80.0	0.28	838.99	0.03	98.78
33.0-34.0	7.46	744.70	0.88	87.68	80.0-81.0	0.26	839.26	0.03	98.81
34.0-35.0	6.87	751.56	0.81	88.49	81.0-82.0	0.25	839.50	0.03	98.84
35.0-36.0	6.32	757.88	0.74	89.23	82.0-83.0	0.23	839.74	0.03	98.87
36.0-37.0	5.81	763.69	0.68	89.91	83.0-84.0	0.21	839.95	0.03	98.89
37.0-38.0	5.33	769.02	0.63	90.54	84.0-85.0	0.20	840.15	0.02	98.92
38.0-39.0	4.90	773.92	0.58	91.12	85.0-86.0	0.18	840.33	0.02	98.94
39.0-40.0	4.50	778.42	0.53	91.65	86.0-87.0	0.17	840.50	0.02	98.96
40.0-41.0	4.13	782.55	0.49	92.14	87.0-88.0	0.16	840.66	0.02	98.98
41.0-42.0	3.80	786.36	0.45	92.58	88.0-89.0	0.14	840.80	0.02	98.99
42.0-43.0	3.50	789.86	0.41	93.00	89.0-90.0	0.13	840.93	0.02	99.01
43.0-44.0	3.23	793.09	0.38	93.38	90.0-91.0	0.12	841.05	0.01	99.02
44.0-45.0	2.99	796.08	0.35	93.73	91.0-92.0	0.11	841.16	0.01	99.04
45.0-46.0	2.76	798.84	0.33	94.05	92.0-93.0	0.10	841.26	0.01	99.05
46.0-47.0	2.57	801.41	0.30	94.36	93.0-94.0	0.09	841.35	0.01	99.06

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	0.09	841.44	0.01	99.07	141.0-142.0	0.16	843.90	0.02	99.36
95.0-96.0	0.08	841.52	0.01	99.08	142.0-143.0	0.17	844.07	0.02	99.38
96.0-97.0	0.07	841.59	0.01	99.09	143.0-144.0	0.18	844.25	0.02	99.40
97.0-98.0	0.07	841.65	0.01	99.09	144.0-145.0	0.19	844.44	0.02	99.42
98.0-99.0	0.06	841.72	0.01	99.10	145.0-146.0	0.19	844.63	0.02	99.44
99.0-100.0	0.05	841.77	0.01	99.11	146.0-147.0	0.20	844.83	0.02	99.47
100.0-101.0	0.05	841.82	0.01	99.11	147.0-148.0	0.21	845.04	0.02	99.49
101.0-102.0	0.04	841.86	0.01	99.12	148.0-149.0	0.21	845.25	0.02	99.52
102.0-103.0	0.04	841.91	0.00	99.12	149.0-150.0	0.21	845.46	0.02	99.54
103.0-104.0	0.04	841.95	0.00	99.13	150.0-151.0	0.21	845.67	0.03	99.57
104.0-105.0	0.04	841.98	0.00	99.13	151.0-152.0	0.21	845.89	0.03	99.59
105.0-106.0	0.03	842.02	0.00	99.14	152.0-153.0	0.21	846.10	0.02	99.62
106.0-107.0	0.03	842.04	0.00	99.14	153.0-154.0	0.21	846.31	0.02	99.64
107.0-108.0	0.03	842.07	0.00	99.14	154.0-155.0	0.21	846.52	0.02	99.67
108.0-109.0	0.02	842.10	0.00	99.15	155.0-156.0	0.21	846.72	0.02	99.69
109.0-110.0	0.02	842.12	0.00	99.15	156.0-157.0	0.20	846.92	0.02	99.71
110.0-111.0	0.02	842.14	0.00	99.15	157.0-158.0	0.19	847.12	0.02	99.74
111.0-112.0	0.02	842.15	0.00	99.15	158.0-159.0	0.19	847.31	0.02	99.76
112.0-113.0	0.02	842.17	0.00	99.16	159.0-160.0	0.18	847.49	0.02	99.78
113.0-114.0	0.02	842.19	0.00	99.16	160.0-161.0	0.18	847.67	0.02	99.80
114.0-115.0	0.02	842.21	0.00	99.16	161.0-162.0	0.17	847.84	0.02	99.82
115.0-116.0	0.02	842.22	0.00	99.16	162.0-163.0	0.16	848.00	0.02	99.84
116.0-117.0	0.02	842.24	0.00	99.16	163.0-164.0	0.15	848.15	0.02	99.86
117.0-118.0	0.02	842.25	0.00	99.16	164.0-165.0	0.14	848.30	0.02	99.88
118.0-119.0	0.01	842.27	0.00	99.17	165.0-166.0	0.14	848.43	0.02	99.89
119.0-120.0	0.01	842.28	0.00	99.17	166.0-167.0	0.13	848.56	0.01	99.91
120.0-121.0	0.02	842.30	0.00	99.17	167.0-168.0	0.12	848.68	0.01	99.92
121.0-122.0	0.02	842.32	0.00	99.17	168.0-169.0	0.11	848.79	0.01	99.93
122.0-123.0	0.02	842.34	0.00	99.17	169.0-170.0	0.10	848.89	0.01	99.95
123.0-124.0	0.02	842.36	0.00	99.18	170.0-171.0	0.09	848.98	0.01	99.96
124.0-125.0	0.03	842.39	0.00	99.18	171.0-172.0	0.08	849.05	0.01	99.97
125.0-126.0	0.03	842.42	0.00	99.18	172.0-173.0	0.07	849.12	0.01	99.97
126.0-127.0	0.03	842.46	0.00	99.19	173.0-174.0	0.06	849.19	0.01	99.98
127.0-128.0	0.04	842.50	0.00	99.19	174.0-175.0	0.05	849.24	0.01	99.99
128.0-129.0	0.04	842.54	0.01	99.20	175.0-176.0	0.04	849.28	0.00	99.99
129.0-130.0	0.05	842.59	0.01	99.20	176.0-177.0	0.03	849.31	0.00	100.00
130.0-131.0	0.06	842.65	0.01	99.21	177.0-178.0	0.02	849.33	0.00	100.00
131.0-132.0	0.07	842.72	0.01	99.22	178.0-179.0	0.01	849.35	0.00	100.00
132.0-133.0	0.08	842.79	0.01	99.23	179.0-180.0	0.00	849.35	0.00	100.00
133.0-134.0	0.08	842.88	0.01	99.24					
134.0-135.0	0.09	842.97	0.01	99.25					
135.0-136.0	0.10	843.07	0.01	99.26					
136.0-137.0	0.11	843.18	0.01	99.27					
137.0-138.0	0.12	843.30	0.01	99.29					
138.0-139.0	0.13	843.44	0.02	99.30					
139.0-140.0	0.14	843.58	0.02	99.32					
140.0-141.0	0.15	843.73	0.02	99.34					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25



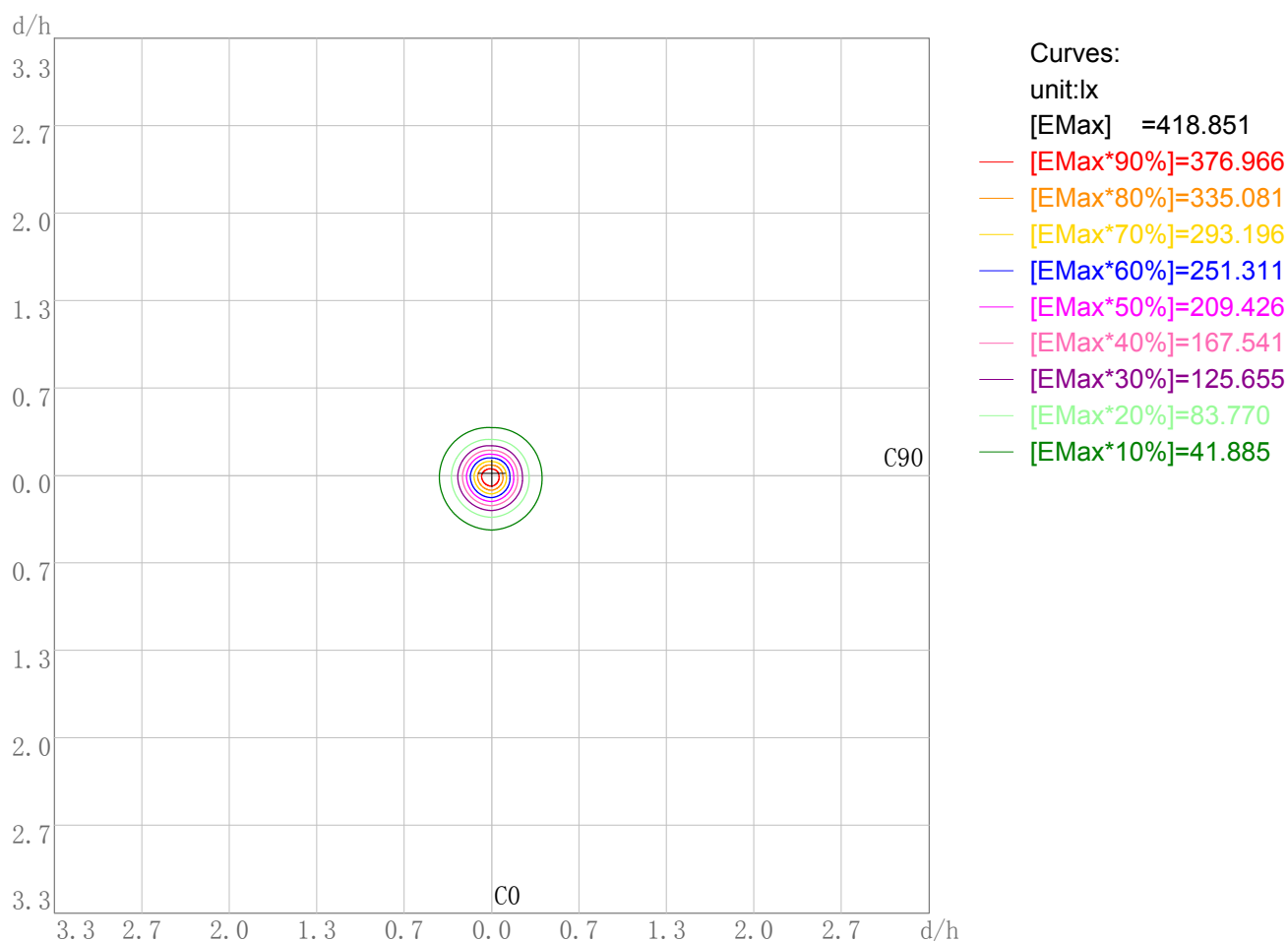
IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 418.85

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

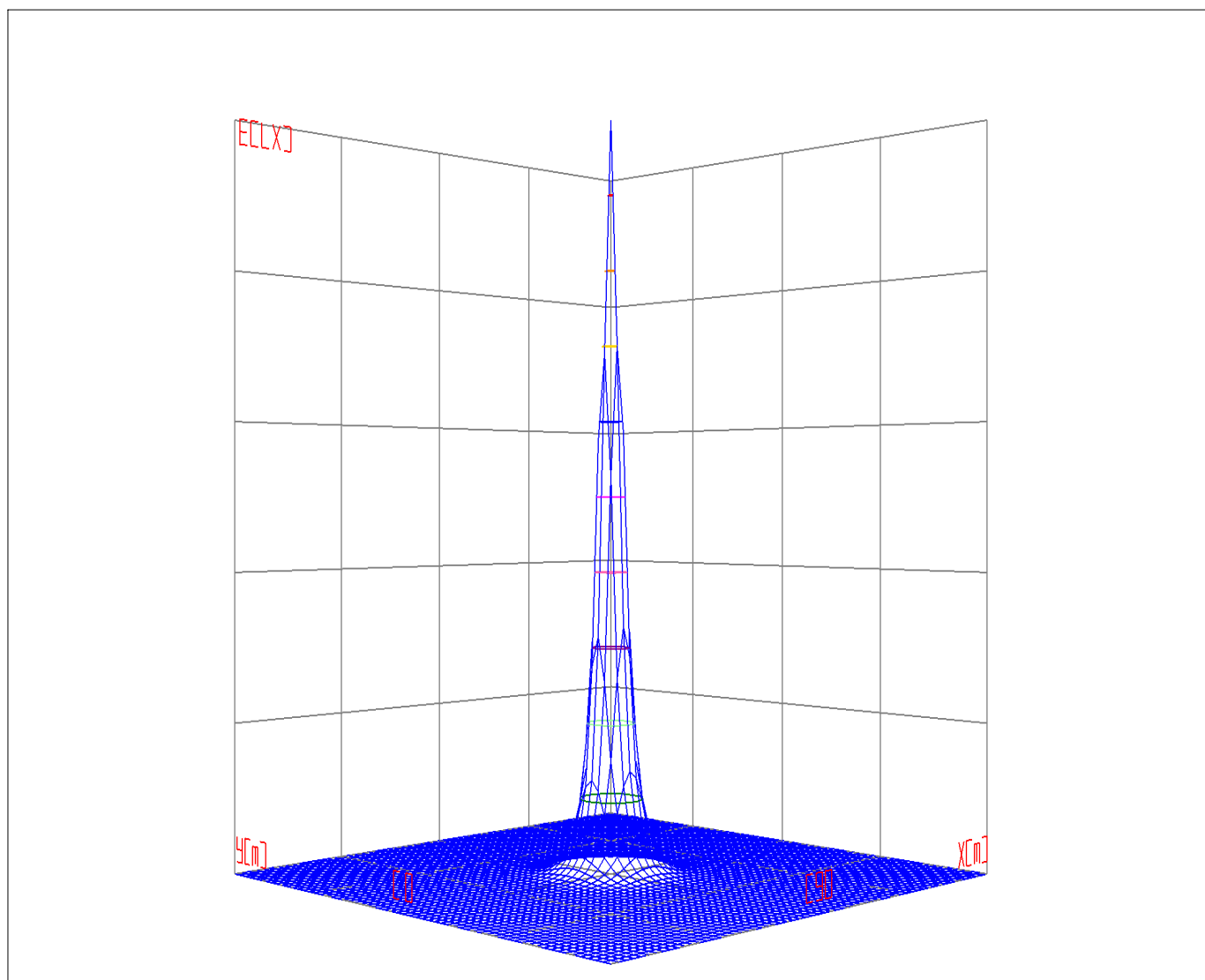
IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

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-DW-01 2000K-3000K RA95 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: 2019/11/25

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =3752.970

— [EMax*90%]=3377.673

— [EMax*80%]=3002.376

— [EMax*70%]=2627.079

— [EMax*60%]=2251.782

— [EMax*50%]=1876.485

— [EMax*40%]=1501.188

— [EMax*30%]=1125.891

— [EMax*20%]=750.594

— [EMax*10%]=375.297

Space Plane Maximum Illuminance and @Angle:3752.97lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:3752.970cd,0deg

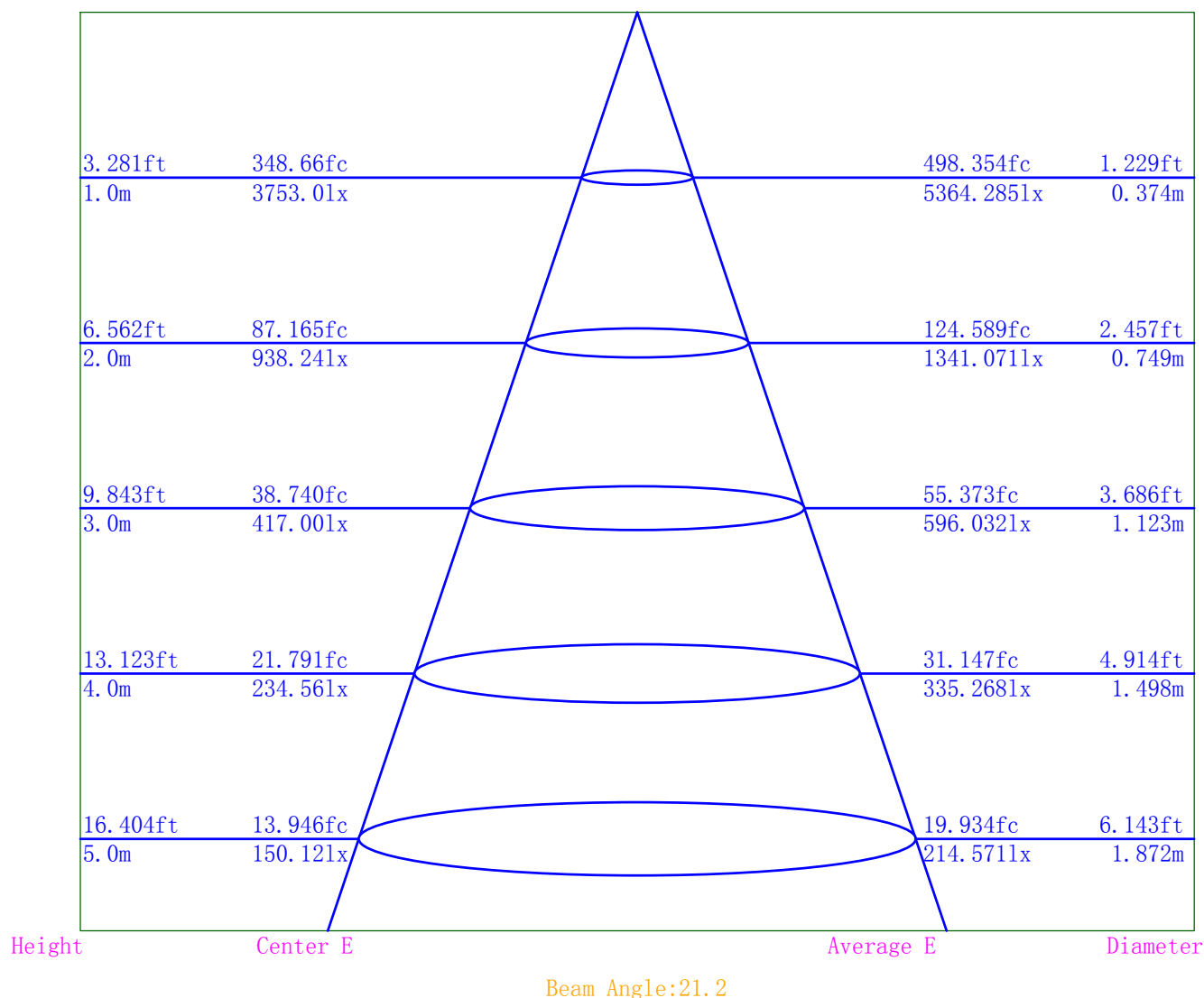
IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

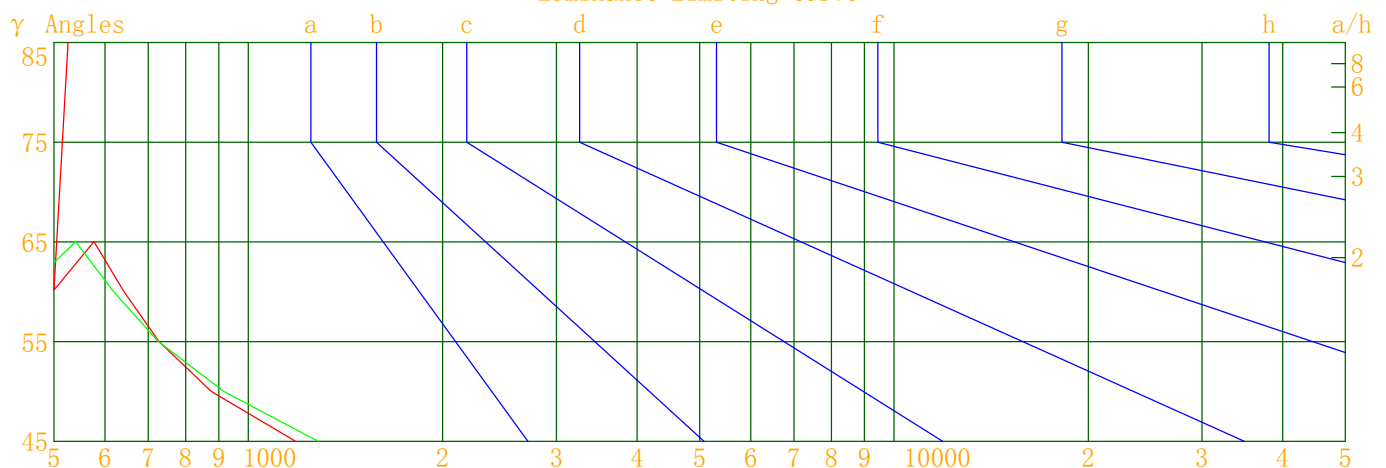
Glare Grade Table

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	1184	877	727	642	577	498	414	372	526
C90	1284	916	725	618	540	450	353	274	369

Luminance Limiting Curve



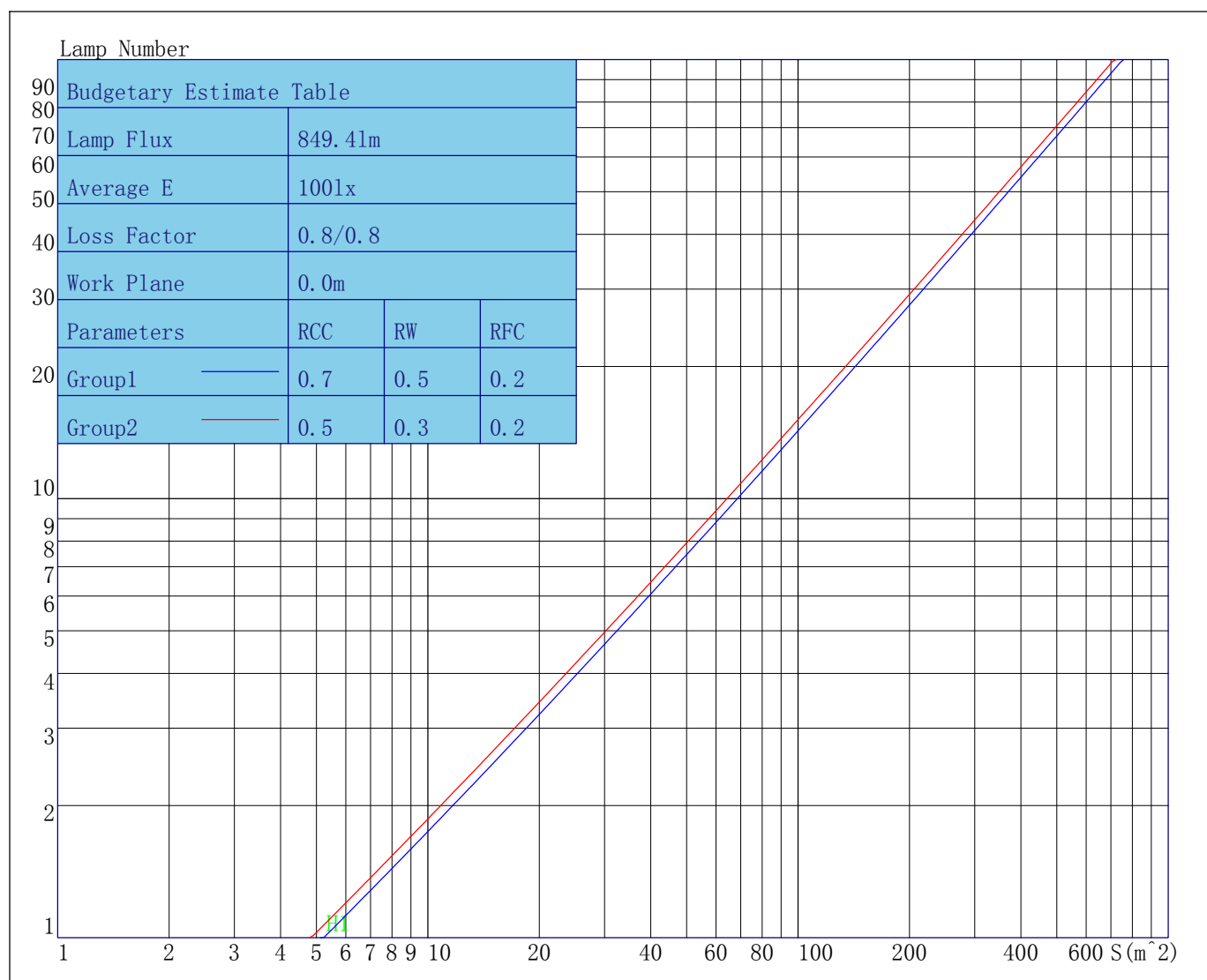
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m²)=0.040000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25



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-DW-01 2000K-3000K RA95 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

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	101	101	101	99
1	114	112	109	107	111	109	107	106	105	104	102	101	100	99	98	97	96	94
2	109	105	102	99	107	103	100	98	100	97	95	97	95	93	94	93	91	89
3	105	100	95	92	103	98	94	91	96	92	90	93	90	88	91	89	87	85
4	101	95	90	87	99	94	89	86	91	88	85	89	86	84	88	85	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	79	78
6	94	87	82	78	93	86	81	78	84	80	78	83	80	77	82	79	76	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	73	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	74	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	65

Unified Glare Rating Table

Lum. Name: MD10-13-DW-01 2000K-3000K RA95 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: 2019/11/25

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	6.5	7.5	6.9	7.8	8.2	6.9	7.9	7.3	8.2	8.5
	7.0	7.9	7.4	8.2	8.6	7.3	8.1	7.7	8.5	8.9
	7.2	8.0	7.7	8.4	8.8	7.4	8.2	7.8	8.5	8.9
	7.3	8.0	7.8	8.4	8.8	7.4	8.1	7.8	8.5	8.9
	7.4	8.0	7.8	8.4	8.9	7.4	8.1	7.8	8.5	8.9
	7.4	8.1	7.9	8.5	8.9	7.4	8.0	7.8	8.4	8.9
X=4H Y=2H	6.7	7.4	7.1	7.8	8.2	7.0	7.8	7.4	8.1	8.6
	7.3	8.0	7.8	8.4	8.8	7.5	8.1	7.9	8.6	9.0
	7.6	8.2	8.1	8.6	9.1	7.7	8.2	8.1	8.7	9.2
	7.8	8.2	8.3	8.7	9.2	7.7	8.2	8.2	8.7	9.2
	7.9	8.3	8.4	8.8	9.3	7.8	8.2	8.3	8.7	9.2
	8.0	8.4	8.5	8.9	9.4	7.8	8.2	8.3	8.7	9.2
X=8H Y=4H	7.6	8.1	8.1	8.5	9.0	7.7	8.1	8.2	8.6	9.1
	7.9	8.2	8.4	8.7	9.3	7.8	8.1	8.3	8.7	9.2
	8.0	8.3	8.6	8.9	9.4	7.9	8.2	8.4	8.7	9.2
	8.3	8.5	8.8	9.1	9.7	8.0	8.2	8.5	8.8	9.4
X=12H Y=4H	7.6	8.0	8.1	8.5	9.0	7.6	8.0	8.1	8.5	9.0
	7.9	8.2	8.4	8.7	9.2	7.8	8.1	8.3	8.6	9.1
	8.1	8.3	8.6	8.9	9.5	7.9	8.1	8.4	8.7	9.3
Variations with the objerver position at spacings										
S=1.0H	0.3/-0.3					0.4/-0.4				
S=1.5H	0.9/-0.9					1.1/-1.2				
S=2.0H	1.2/-1.4					1.5/-1.9				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.5					1.1				

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	3752.97	3752.97	3752.97	3752.97
γ 1.0	3683.76	3682.48	3771.39	3761.12
γ 2.0	3558.71	3573.92	3740.57	3729.25
γ 3.0	3386.73	3427.67	3654.59	3647.55
γ 4.0	3179.79	3224.26	3524.58	3510.44
γ 5.0	2945.79	2994.97	3360.04	3328.34
γ 6.0	2712.19	2754.08	3148.44	3109.84
γ 7.0	2484.09	2517.31	2919.10	2878.45
γ 8.0	2252.17	2283.05	2693.47	2647.36
γ 9.0	2019.92	2057.01	2466.33	2424.37
γ 10.0	1789.74	1831.03	2242.83	2202.35
γ 11.0	1574.49	1616.69	2020.78	1975.04
γ 12.0	1370.35	1420.58	1804.85	1754.10
γ 13.0	1188.02	1239.66	1597.85	1543.82
γ 14.0	1029.11	1080.27	1404.61	1346.34
γ 15.0	889.14	944.62	1227.59	1166.85
γ 16.0	772.85	825.42	1072.80	1014.19
γ 17.0	674.44	726.71	936.44	879.78
γ 18.0	590.81	642.90	822.21	767.74
γ 19.0	520.31	571.90	722.46	671.15
γ 20.0	460.70	511.56	638.13	588.63
γ 21.0	410.00	457.79	564.99	518.33
γ 22.0	366.39	410.92	504.16	458.68
γ 23.0	328.76	369.69	449.94	406.97
γ 24.0	296.07	333.27	402.58	362.62
γ 25.0	266.96	300.03	361.27	323.24
γ 26.0	240.41	269.63	323.45	288.36
γ 27.0	216.43	241.26	289.78	257.21
γ 28.0	194.09	216.93	259.36	229.29
γ 29.0	174.15	194.86	231.84	204.15
γ 30.0	156.75	175.45	207.43	181.77
γ 31.0	140.63	157.74	185.70	161.86
γ 32.0	126.37	141.72	167.03	144.72
γ 33.0	113.52	127.52	149.57	129.26
γ 34.0	101.85	114.29	134.31	115.85
γ 35.0	91.24	102.66	120.58	103.93
γ 36.0	82.00	92.05	108.03	93.30
γ 37.0	73.62	82.55	96.92	83.56
γ 38.0	66.32	74.15	86.93	75.05
γ 39.0	59.83	66.57	77.84	67.30
γ 40.0	54.18	59.83	69.81	60.43
γ 41.0	49.01	53.99	62.71	54.51
γ 42.0	44.43	48.71	56.50	49.03
γ 43.0	40.42	44.19	50.94	44.25
γ 44.0	36.75	39.97	46.00	40.15
γ 45.0	33.48	36.31	41.66	36.50
γ 46.0	30.67	33.04	37.74	33.28

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	28.23	30.19	34.47	30.56
γ 48.0	26.14	27.70	31.44	28.11
γ 49.0	24.19	25.45	28.81	26.01
γ 50.0	22.54	23.56	26.49	24.10
γ 51.0	21.06	21.77	24.50	22.48
γ 52.0	19.84	20.20	22.72	20.97
γ 53.0	18.66	18.93	21.32	19.71
γ 54.0	17.66	17.74	20.10	18.57
γ 55.0	16.69	16.64	18.87	17.61
γ 56.0	15.82	15.65	17.84	16.61
γ 57.0	15.00	14.78	16.89	15.84
γ 58.0	14.20	14.01	16.02	15.03
γ 59.0	13.47	13.10	15.27	14.33
γ 60.0	12.83	12.37	14.61	13.68
γ 61.0	12.14	11.66	13.97	13.00
γ 62.0	11.47	10.94	13.07	12.32
γ 63.0	10.89	10.34	12.37	11.71
γ 64.0	10.31	9.74	11.69	11.16
γ 65.0	9.75	9.13	11.12	10.66
γ 66.0	9.11	8.50	10.48	10.06
γ 67.0	8.38	7.81	9.85	9.50
γ 68.0	7.88	7.22	9.26	8.92
γ 69.0	7.34	6.70	8.59	8.24
γ 70.0	6.81	6.16	7.75	7.76
γ 71.0	6.30	5.68	7.23	7.23
γ 72.0	5.88	5.22	6.70	6.72
γ 73.0	5.31	4.78	6.18	6.27
γ 74.0	4.86	4.22	5.61	5.86
γ 75.0	4.29	3.65	5.12	5.32
γ 76.0	3.69	3.09	4.60	4.86
γ 77.0	3.14	2.44	3.99	4.34
γ 78.0	2.96	2.18	3.45	3.70
γ 79.0	2.78	2.00	2.83	3.29
γ 80.0	2.58	1.90	2.45	3.05
γ 81.0	2.42	1.81	2.31	2.86
γ 82.0	2.37	1.68	2.13	2.78
γ 83.0	2.05	1.53	1.94	2.55
γ 84.0	2.00	1.38	1.84	2.38
γ 85.0	1.83	1.28	1.67	2.19
γ 86.0	1.75	1.18	1.55	2.01
γ 87.0	1.61	1.00	1.44	1.93
γ 88.0	1.56	0.85	1.30	1.75
γ 89.0	1.37	0.77	1.10	1.59
γ 90.0	1.33	0.81	0.98	1.52
γ 91.0	1.20	0.65	0.96	1.33
γ 92.0	1.12	0.60	0.83	1.28
γ 93.0	1.08	0.58	0.71	1.10

IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	1.04	0.58	0.59	1.06
γ 95.0	0.95	0.52	0.58	0.99
γ 96.0	0.94	0.47	0.46	0.92
γ 97.0	0.82	0.32	0.50	0.80
γ 98.0	0.81	0.35	0.47	0.77
γ 99.0	0.76	0.26	0.33	0.73
γ 100.0	0.77	0.26	0.26	0.66
γ 101.0	0.67	0.24	0.23	0.64
γ 102.0	0.69	0.20	0.16	0.49
γ 103.0	0.58	0.17	0.22	0.50
γ 104.0	0.58	0.21	0.16	0.62
γ 105.0	0.56	0.13	0.12	0.51
γ 106.0	0.47	0.14	0.04	0.43
γ 107.0	0.50	0.08	0.11	0.40
γ 108.0	0.45	0.06	0.12	0.38
γ 109.0	0.41	0.01	0.08	0.34
γ 110.0	0.39	0.03	0.00	0.36
γ 111.0	0.37	0.02	0.05	0.28
γ 112.0	0.29	0.00	0.09	0.35
γ 113.0	0.36	0.00	0.09	0.32
γ 114.0	0.26	0.00	0.09	0.31
γ 115.0	0.22	0.00	0.08	0.37
γ 116.0	0.31	0.00	0.06	0.29
γ 117.0	0.26	0.00	0.02	0.30
γ 118.0	0.19	0.00	0.17	0.30
γ 119.0	0.22	0.00	0.05	0.31
γ 120.0	0.21	0.00	0.09	0.36
γ 121.0	0.20	0.00	0.12	0.40
γ 122.0	0.32	0.00	0.25	0.41
γ 123.0	0.23	0.00	0.17	0.46
γ 124.0	0.26	0.12	0.29	0.44
γ 125.0	0.37	0.10	0.35	0.54
γ 126.0	0.40	0.12	0.38	0.55
γ 127.0	0.45	0.15	0.40	0.61
γ 128.0	0.55	0.20	0.49	0.69
γ 129.0	0.55	0.31	0.49	0.75
γ 130.0	0.73	0.45	0.64	0.87
γ 131.0	0.83	0.54	0.78	0.94
γ 132.0	0.92	0.67	0.87	1.00
γ 133.0	1.07	0.80	0.96	1.14
γ 134.0	1.18	0.86	1.05	1.27
γ 135.0	1.32	1.03	1.23	1.37
γ 136.0	1.48	1.23	1.42	1.54
γ 137.0	1.61	1.37	1.58	1.71
γ 138.0	1.81	1.57	1.65	1.90
γ 139.0	2.00	1.73	1.88	2.07
γ 140.0	2.23	1.95	2.11	2.15

IES Indoor Report

Photometric Filename:MD10-13-DW-01 2000K-3000K RA95 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	2.36	2.13	2.28	2.35
γ 142.0	2.56	2.35	2.46	2.57
γ 143.0	2.75	2.48	2.68	2.79
γ 144.0	2.91	2.73	2.90	3.00
γ 145.0	3.12	2.96	3.02	3.15
γ 146.0	3.28	3.07	3.21	3.31
γ 147.0	3.48	3.30	3.37	3.47
γ 148.0	3.66	3.44	3.56	3.63
γ 149.0	3.76	3.57	3.67	3.82
γ 150.0	3.96	3.68	3.94	4.02
γ 151.0	4.11	3.83	4.04	4.14
γ 152.0	4.28	3.94	4.25	4.19
γ 153.0	4.27	4.05	4.27	4.28
γ 154.0	4.36	4.13	4.51	4.46
γ 155.0	4.56	4.23	4.56	4.49
γ 156.0	4.64	4.35	4.64	4.62
γ 157.0	4.68	4.41	4.67	4.64
γ 158.0	4.74	4.41	4.82	4.75
γ 159.0	4.85	4.51	4.93	4.71
γ 160.0	4.78	4.60	4.94	4.84
γ 161.0	4.84	4.65	5.00	4.95
γ 162.0	4.90	4.60	4.97	4.91
γ 163.0	4.95	4.75	5.06	5.03
γ 164.0	4.95	4.67	5.09	4.93
γ 165.0	5.02	4.77	5.16	4.92
γ 166.0	5.04	4.82	5.12	4.90
γ 167.0	4.97	4.82	5.13	4.98
γ 168.0	5.06	4.79	5.08	5.00
γ 169.0	5.01	4.77	5.03	4.95
γ 170.0	4.96	4.82	5.17	4.89
γ 171.0	4.95	4.78	5.06	4.93
γ 172.0	4.98	4.79	5.08	4.78
γ 173.0	4.91	4.74	5.03	4.88
γ 174.0	4.94	4.75	5.09	4.81
γ 175.0	4.92	4.70	5.03	4.84
γ 176.0	4.85	4.73	4.96	4.75
γ 177.0	4.91	4.74	4.96	4.76
γ 178.0	4.86	4.74	4.96	4.81
γ 179.0	4.92	4.71	4.89	4.76
γ 180.0	4.89	4.89	4.89	4.89