

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

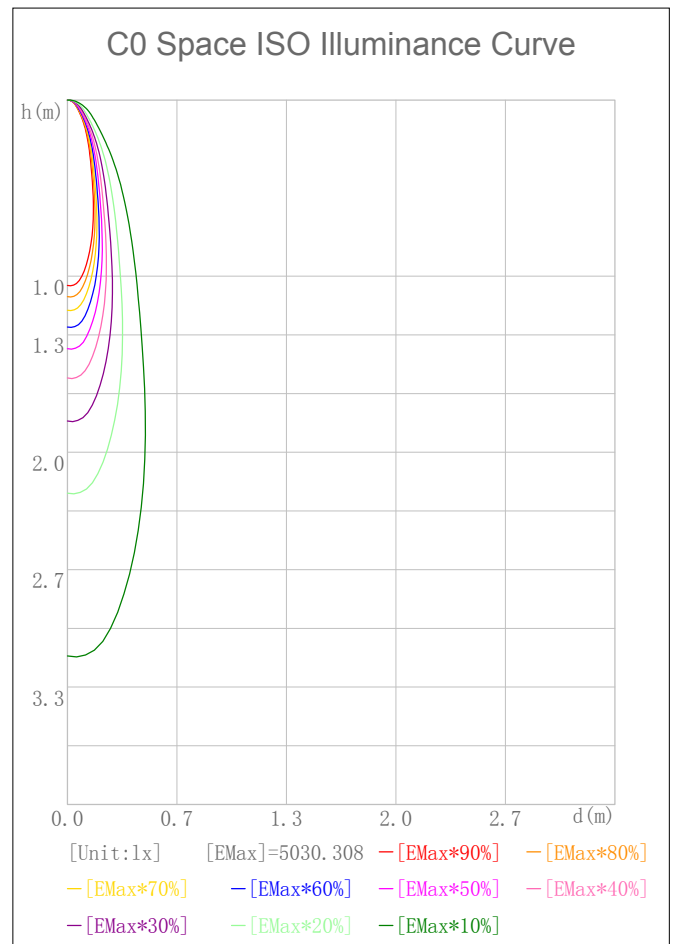
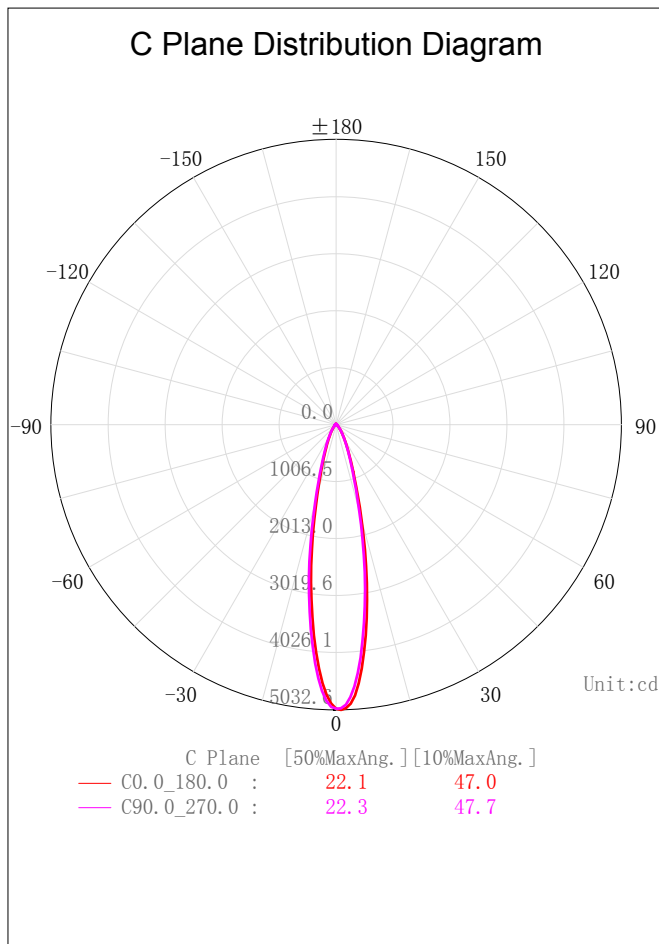
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD18-13-XX-01 2700K RA80 15D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/12/18
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): 1270.100	Luminary Flux(lm): 1270.102	Field Angle(10%Imax): 47.0(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1221.191lm 96.15%	
Rated Voltage(V):	Luminary EER(lm/W): 102.263	Up Lumens&Percent: 48.912lm 3.85%	
Tested Power(W): 12.420	Max. Candela(cd): 5032.607	S/MH: C0_a180=0.376 C90_270=0.378	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 240.4, 0.054, 0.947	Beam Angle (50%Imax): 22.1(°)	ErP φ use(90°): 1113.119lm	
Lamp Size (W*L*H): 0.050m*0.050m*0.750m	Left=-10.0°, Right=12.1°	IRF(%): 853.596	



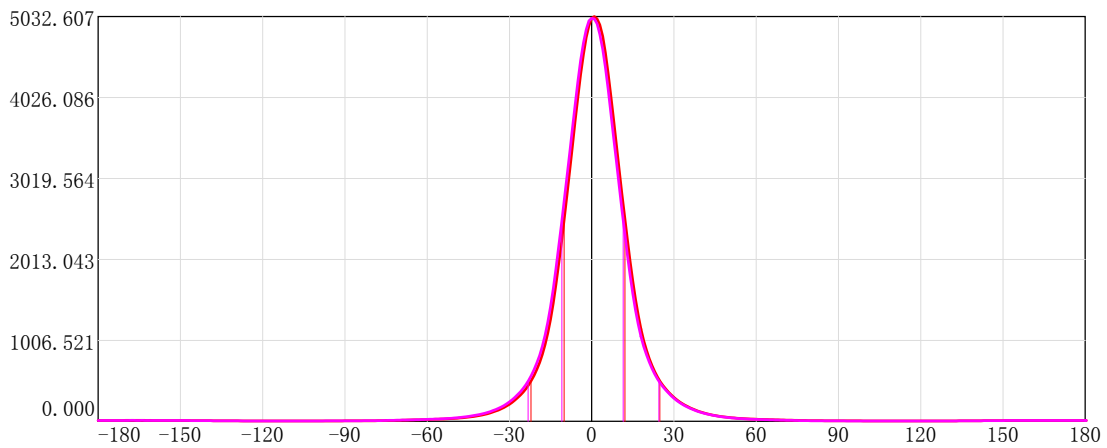
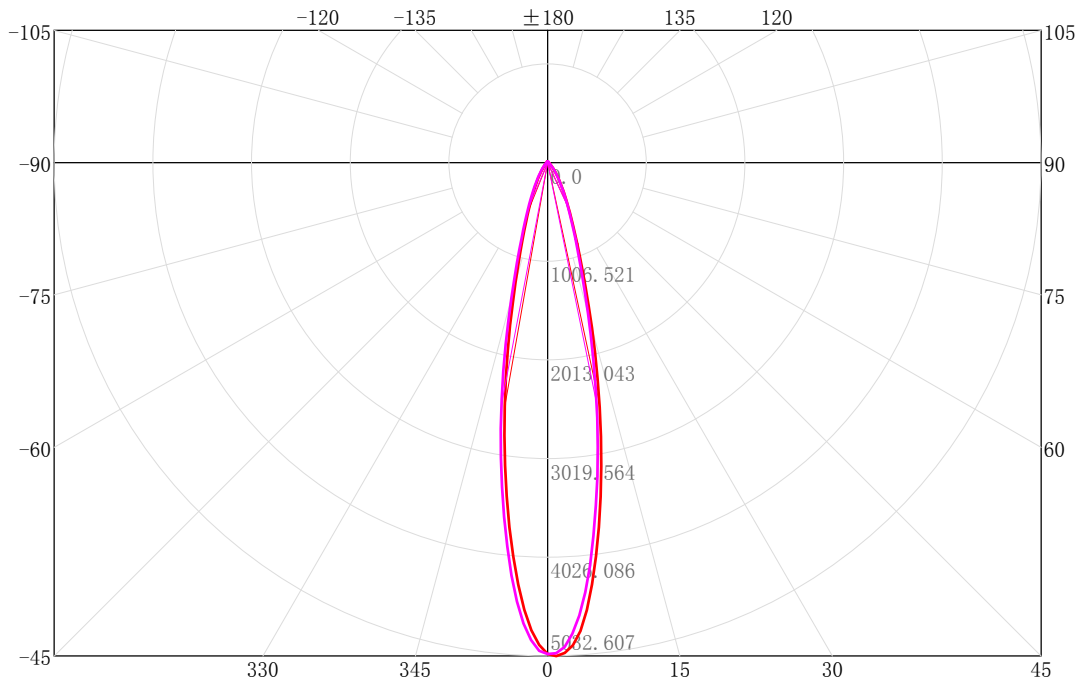
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2D Plane Light Intensity Distribution Curve

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]
 — C0.0_180.0 : 22.1 47.0
 — C90.0_270.0 : 22.3 47.7

Unit:cd

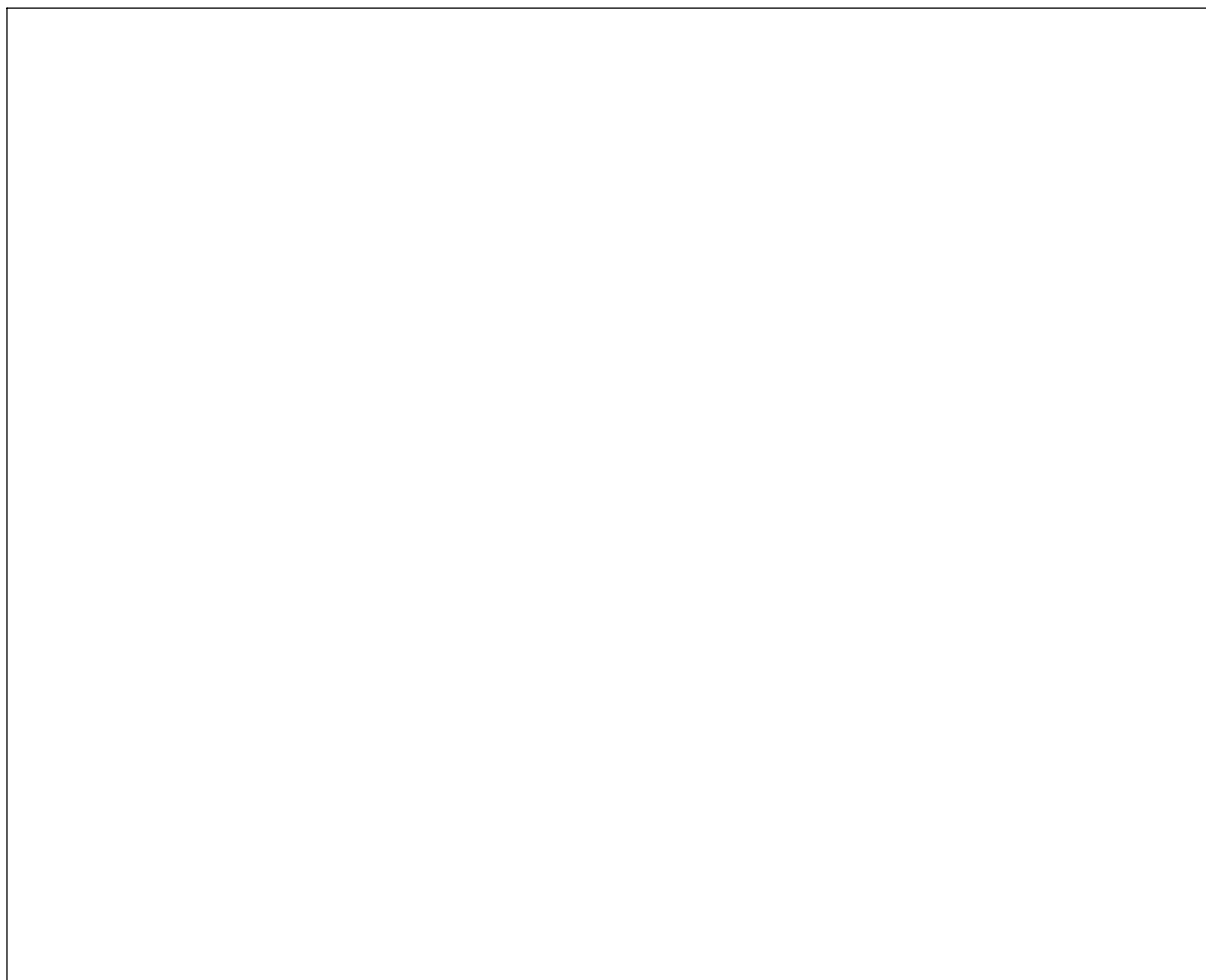
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3D Light Intensity Distribution Modal

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

3D Light Intensity Distribution Modal



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

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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	4.78	4.78	0.38	0.38	47.0-48.0	4.30	1141.04	0.34	89.84
1.0-2.0	14.18	18.96	1.12	1.49	48.0-49.0	4.06	1145.10	0.32	90.16
2.0-3.0	23.08	42.04	1.82	3.31	49.0-50.0	3.83	1148.94	0.30	90.46
3.0-4.0	31.15	73.19	2.45	5.76	50.0-51.0	3.63	1152.57	0.29	90.75
4.0-5.0	38.13	111.32	3.00	8.76	51.0-52.0	3.46	1156.03	0.27	91.02
5.0-6.0	43.84	155.16	3.45	12.22	52.0-53.0	3.29	1159.32	0.26	91.28
6.0-7.0	48.22	203.39	3.80	16.01	53.0-54.0	3.14	1162.45	0.25	91.52
7.0-8.0	51.33	254.71	4.04	20.05	54.0-55.0	3.00	1165.45	0.24	91.76
8.0-9.0	53.28	307.99	4.19	24.25	55.0-56.0	2.88	1168.33	0.23	91.99
9.0-10.0	54.12	362.11	4.26	28.51	56.0-57.0	2.77	1171.10	0.22	92.21
10.0-11.0	53.84	415.95	4.24	32.75	57.0-58.0	2.66	1173.77	0.21	92.42
11.0-12.0	52.52	468.47	4.13	36.88	58.0-59.0	2.57	1176.33	0.20	92.62
12.0-13.0	50.36	518.82	3.96	40.85	59.0-60.0	2.48	1178.81	0.20	92.81
13.0-14.0	47.57	566.39	3.75	44.59	60.0-61.0	2.40	1181.21	0.19	93.00
14.0-15.0	44.45	610.85	3.50	48.09	61.0-62.0	2.32	1183.52	0.18	93.18
15.0-16.0	41.23	652.08	3.25	51.34	62.0-63.0	2.24	1185.76	0.18	93.36
16.0-17.0	38.08	690.16	3.00	54.34	63.0-64.0	2.16	1187.93	0.17	93.53
17.0-18.0	35.14	725.30	2.77	57.11	64.0-65.0	2.09	1190.02	0.16	93.69
18.0-19.0	32.45	757.75	2.55	59.66	65.0-66.0	2.01	1192.02	0.16	93.85
19.0-20.0	30.05	787.80	2.37	62.03	66.0-67.0	1.93	1193.95	0.15	94.00
20.0-21.0	27.90	815.70	2.20	64.22	67.0-68.0	1.84	1195.78	0.14	94.15
21.0-22.0	25.94	841.64	2.04	66.27	68.0-69.0	1.75	1197.54	0.14	94.29
22.0-23.0	24.15	865.80	1.90	68.17	69.0-70.0	1.68	1199.22	0.13	94.42
23.0-24.0	22.50	888.29	1.77	69.94	70.0-71.0	1.61	1200.83	0.13	94.55
24.0-25.0	20.97	909.27	1.65	71.59	71.0-72.0	1.54	1202.36	0.12	94.67
25.0-26.0	19.59	928.86	1.54	73.13	72.0-73.0	1.47	1203.83	0.12	94.78
26.0-27.0	18.30	947.16	1.44	74.57	73.0-74.0	1.40	1205.23	0.11	94.89
27.0-28.0	17.08	964.24	1.34	75.92	74.0-75.0	1.32	1206.55	0.10	95.00
28.0-29.0	15.92	980.16	1.25	77.17	75.0-76.0	1.24	1207.79	0.10	95.09
29.0-30.0	14.82	994.98	1.17	78.34	76.0-77.0	1.16	1208.95	0.09	95.19
30.0-31.0	13.80	1008.77	1.09	79.42	77.0-78.0	1.10	1210.05	0.09	95.27
31.0-32.0	12.85	1021.62	1.01	80.44	78.0-79.0	1.05	1211.10	0.08	95.35
32.0-33.0	11.97	1033.60	0.94	81.38	79.0-80.0	1.02	1212.12	0.08	95.43
33.0-34.0	11.16	1044.76	0.88	82.26	80.0-81.0	1.00	1213.12	0.08	95.51
34.0-35.0	10.40	1055.16	0.82	83.08	81.0-82.0	0.98	1214.09	0.08	95.59
35.0-36.0	9.69	1064.85	0.76	83.84	82.0-83.0	0.96	1215.05	0.08	95.67
36.0-37.0	9.02	1073.87	0.71	84.55	83.0-84.0	0.94	1215.98	0.07	95.74
37.0-38.0	8.40	1082.27	0.66	85.21	84.0-85.0	0.92	1216.90	0.07	95.81
38.0-39.0	7.82	1090.09	0.62	85.83	85.0-86.0	0.90	1217.80	0.07	95.88
39.0-40.0	7.30	1097.39	0.57	86.40	86.0-87.0	0.88	1218.67	0.07	95.95
40.0-41.0	6.82	1104.20	0.54	86.94	87.0-88.0	0.86	1219.53	0.07	96.02
41.0-42.0	6.37	1110.58	0.50	87.44	88.0-89.0	0.84	1220.37	0.07	96.08
42.0-43.0	5.96	1116.54	0.47	87.91	89.0-90.0	0.82	1221.19	0.06	96.15
43.0-44.0	5.56	1122.10	0.44	88.35	90.0-91.0	0.81	1222.00	0.06	96.21
44.0-45.0	5.20	1127.30	0.41	88.76	91.0-92.0	0.79	1222.79	0.06	96.28
45.0-46.0	4.87	1132.17	0.38	89.14	92.0-93.0	0.78	1223.58	0.06	96.34
46.0-47.0	4.57	1136.74	0.36	89.50	93.0-94.0	0.77	1224.35	0.06	96.40

VOLNIC GON-2000 分布光度计,伏达光电技术有限公司

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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	0.76	1225.11	0.06	96.46	141.0-142.0	0.63	1254.59	0.05	98.78
95.0-96.0	0.76	1225.87	0.06	96.52	142.0-143.0	0.64	1255.23	0.05	98.83
96.0-97.0	0.74	1226.61	0.06	96.58	143.0-144.0	0.64	1255.86	0.05	98.88
97.0-98.0	0.73	1227.34	0.06	96.63	144.0-145.0	0.64	1256.50	0.05	98.93
98.0-99.0	0.72	1228.06	0.06	96.69	145.0-146.0	0.64	1257.14	0.05	98.98
99.0-100.0	0.71	1228.77	0.06	96.75	146.0-147.0	0.64	1257.78	0.05	99.03
100.0-101.0	0.71	1229.48	0.06	96.80	147.0-148.0	0.64	1258.42	0.05	99.08
101.0-102.0	0.70	1230.18	0.06	96.86	148.0-149.0	0.63	1259.05	0.05	99.13
102.0-103.0	0.69	1230.87	0.05	96.91	149.0-150.0	0.62	1259.67	0.05	99.18
103.0-104.0	0.68	1231.56	0.05	96.97	150.0-151.0	0.62	1260.29	0.05	99.23
104.0-105.0	0.68	1232.23	0.05	97.02	151.0-152.0	0.61	1260.90	0.05	99.28
105.0-106.0	0.67	1232.90	0.05	97.07	152.0-153.0	0.60	1261.49	0.05	99.32
106.0-107.0	0.66	1233.57	0.05	97.12	153.0-154.0	0.58	1262.08	0.05	99.37
107.0-108.0	0.66	1234.22	0.05	97.18	154.0-155.0	0.57	1262.65	0.04	99.41
108.0-109.0	0.65	1234.87	0.05	97.23	155.0-156.0	0.56	1263.21	0.04	99.46
109.0-110.0	0.64	1235.52	0.05	97.28	156.0-157.0	0.54	1263.75	0.04	99.50
110.0-111.0	0.64	1236.16	0.05	97.33	157.0-158.0	0.52	1264.27	0.04	99.54
111.0-112.0	0.63	1236.79	0.05	97.38	158.0-159.0	0.50	1264.77	0.04	99.58
112.0-113.0	0.62	1237.41	0.05	97.43	159.0-160.0	0.48	1265.25	0.04	99.62
113.0-114.0	0.62	1238.03	0.05	97.48	160.0-161.0	0.46	1265.72	0.04	99.65
114.0-115.0	0.62	1238.65	0.05	97.52	161.0-162.0	0.44	1266.16	0.03	99.69
115.0-116.0	0.61	1239.26	0.05	97.57	162.0-163.0	0.42	1266.58	0.03	99.72
116.0-117.0	0.60	1239.86	0.05	97.62	163.0-164.0	0.40	1266.98	0.03	99.75
117.0-118.0	0.60	1240.46	0.05	97.67	164.0-165.0	0.38	1267.36	0.03	99.78
118.0-119.0	0.59	1241.05	0.05	97.71	165.0-166.0	0.35	1267.71	0.03	99.81
119.0-120.0	0.59	1241.64	0.05	97.76	166.0-167.0	0.33	1268.04	0.03	99.84
120.0-121.0	0.58	1242.22	0.05	97.81	167.0-168.0	0.31	1268.34	0.02	99.86
121.0-122.0	0.58	1242.80	0.05	97.85	168.0-169.0	0.28	1268.62	0.02	99.88
122.0-123.0	0.58	1243.38	0.05	97.90	169.0-170.0	0.26	1268.88	0.02	99.90
123.0-124.0	0.57	1243.95	0.05	97.94	170.0-171.0	0.23	1269.11	0.02	99.92
124.0-125.0	0.57	1244.53	0.04	97.99	171.0-172.0	0.21	1269.32	0.02	99.94
125.0-126.0	0.57	1245.10	0.05	98.03	172.0-173.0	0.18	1269.50	0.01	99.95
126.0-127.0	0.57	1245.67	0.04	98.08	173.0-174.0	0.16	1269.66	0.01	99.97
127.0-128.0	0.57	1246.24	0.04	98.12	174.0-175.0	0.13	1269.80	0.01	99.98
128.0-129.0	0.57	1246.81	0.04	98.17	175.0-176.0	0.11	1269.91	0.01	99.98
129.0-130.0	0.57	1247.38	0.05	98.21	176.0-177.0	0.09	1269.99	0.01	99.99
130.0-131.0	0.57	1247.95	0.05	98.26	177.0-178.0	0.06	1270.05	0.00	100.00
131.0-132.0	0.58	1248.53	0.05	98.30	178.0-179.0	0.04	1270.09	0.00	100.00
132.0-133.0	0.58	1249.11	0.05	98.35	179.0-180.0	0.01	1270.10	0.00	100.00
133.0-134.0	0.59	1249.70	0.05	98.39					
134.0-135.0	0.59	1250.29	0.05	98.44					
135.0-136.0	0.60	1250.89	0.05	98.49					
136.0-137.0	0.60	1251.50	0.05	98.54					
137.0-138.0	0.61	1252.10	0.05	98.58					
138.0-139.0	0.61	1252.72	0.05	98.63					
139.0-140.0	0.62	1253.34	0.05	98.68					
140.0-141.0	0.62	1253.96	0.05	98.73					

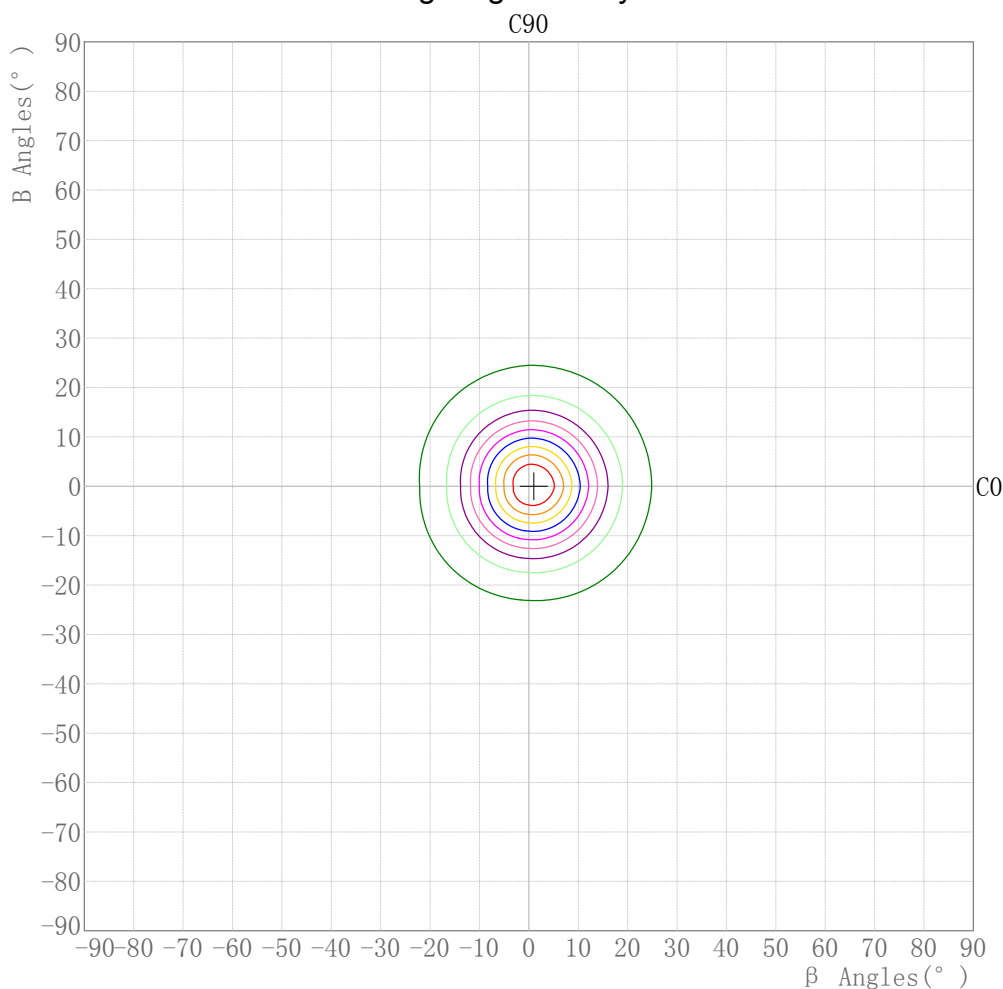
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Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 5032.61

Maximum Cand.@Angle: H=1.0°,V=0.0°

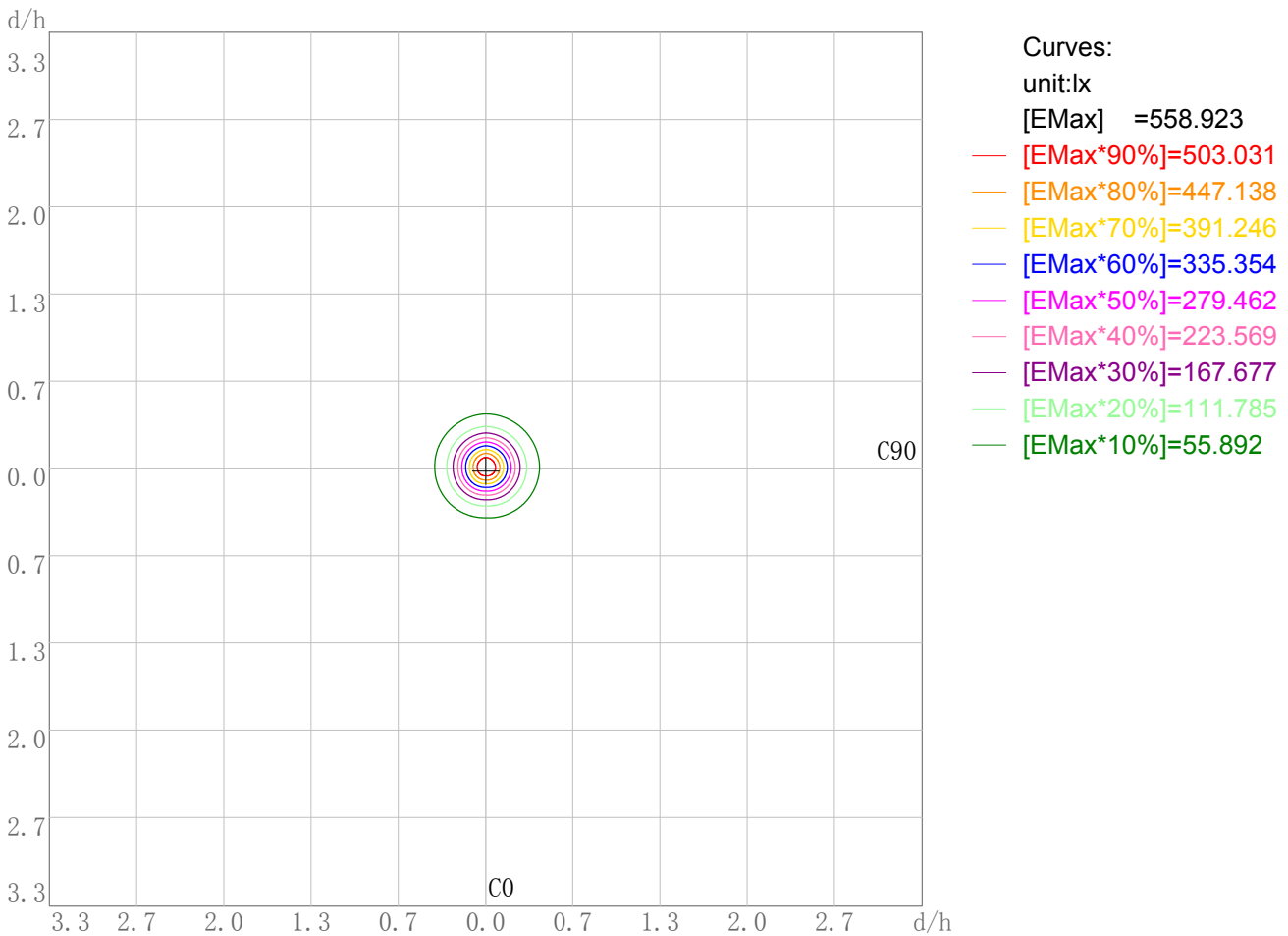
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Plane ISO-Illuminance Diagram

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

Plane ISO-Illuminance Curve



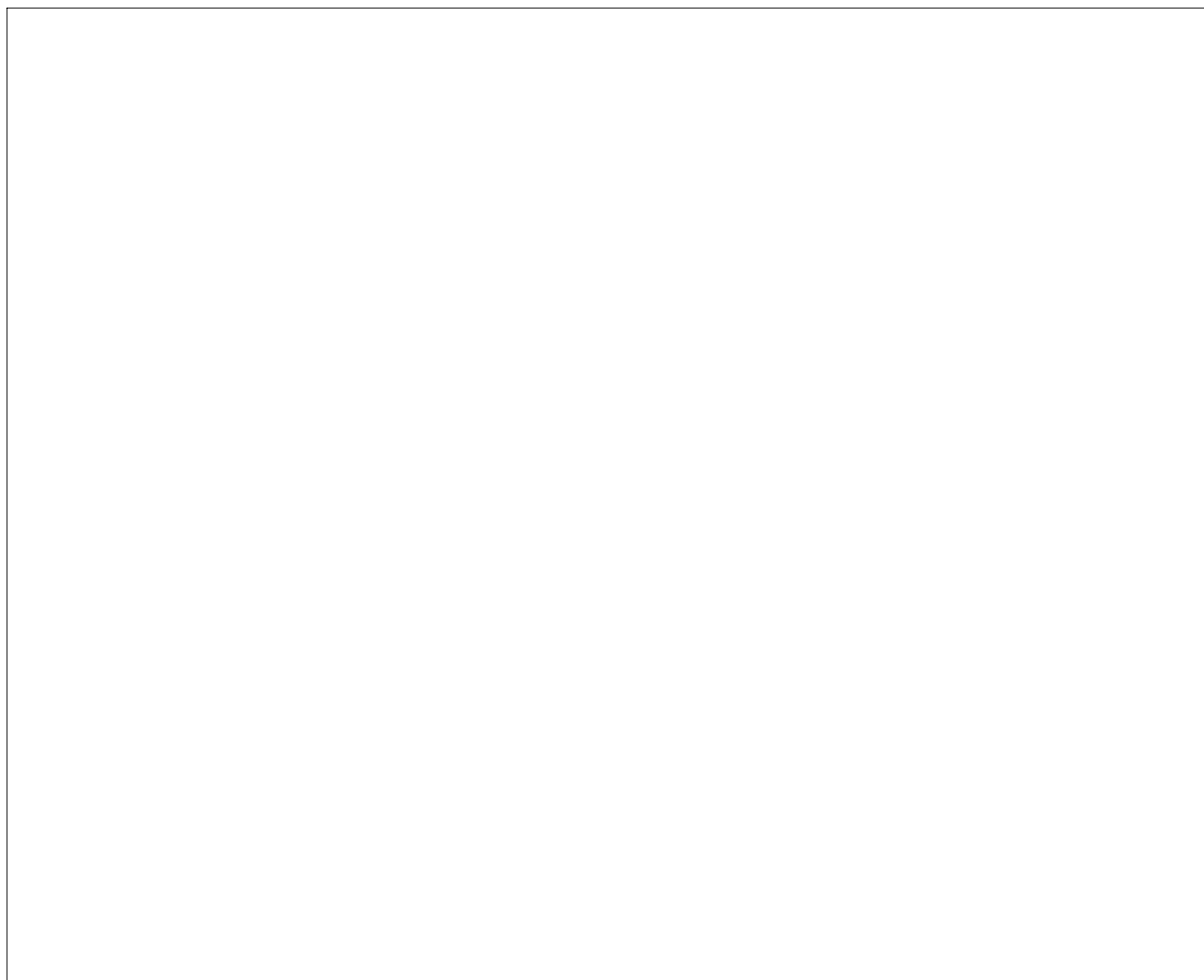
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3D Plane ISO Illuminance Diagram

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

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

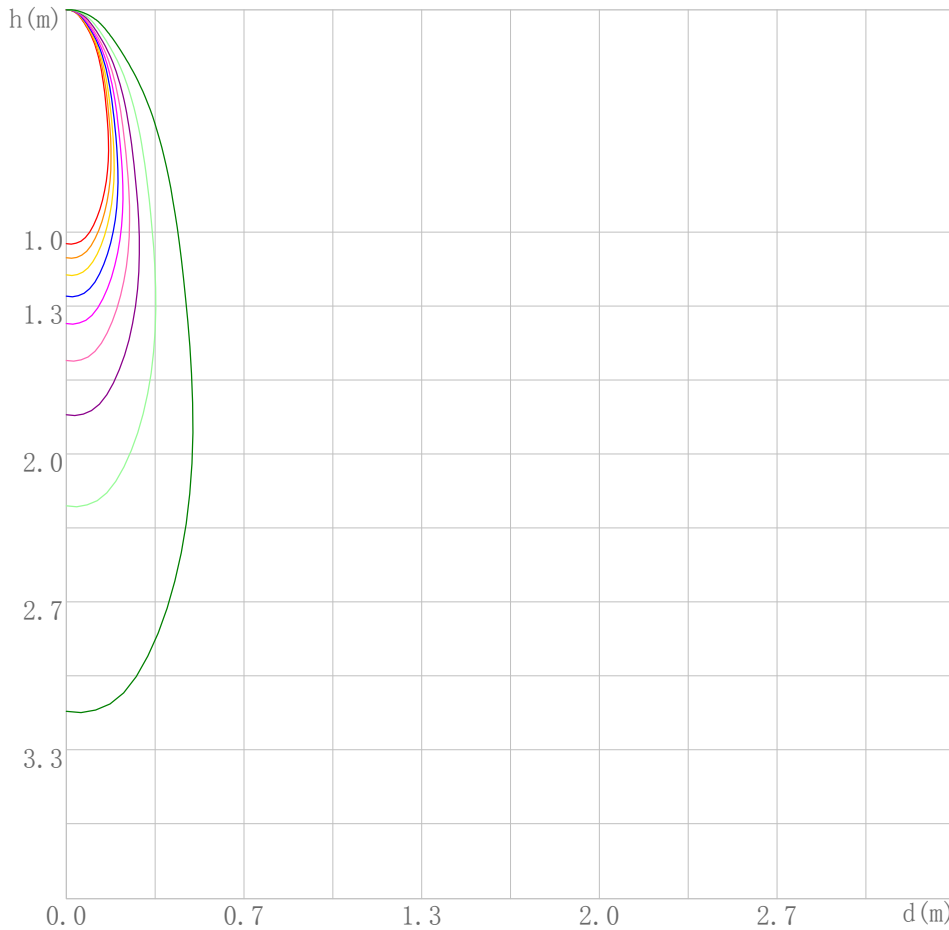
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Space ISO Illuminance Diagram

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =5030.308

— [EMax*90%]=4527.277

— [EMax*80%]=4024.246

— [EMax*70%]=3521.215

— [EMax*60%]=3018.185

— [EMax*50%]=2515.154

— [EMax*40%]=2012.123

— [EMax*30%]=1509.092

— [EMax*20%]=1006.062

— [EMax*10%]=503.031

Space Plane Maximum Illuminance and @Angle:5030.31lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:5032.607cd,0deg

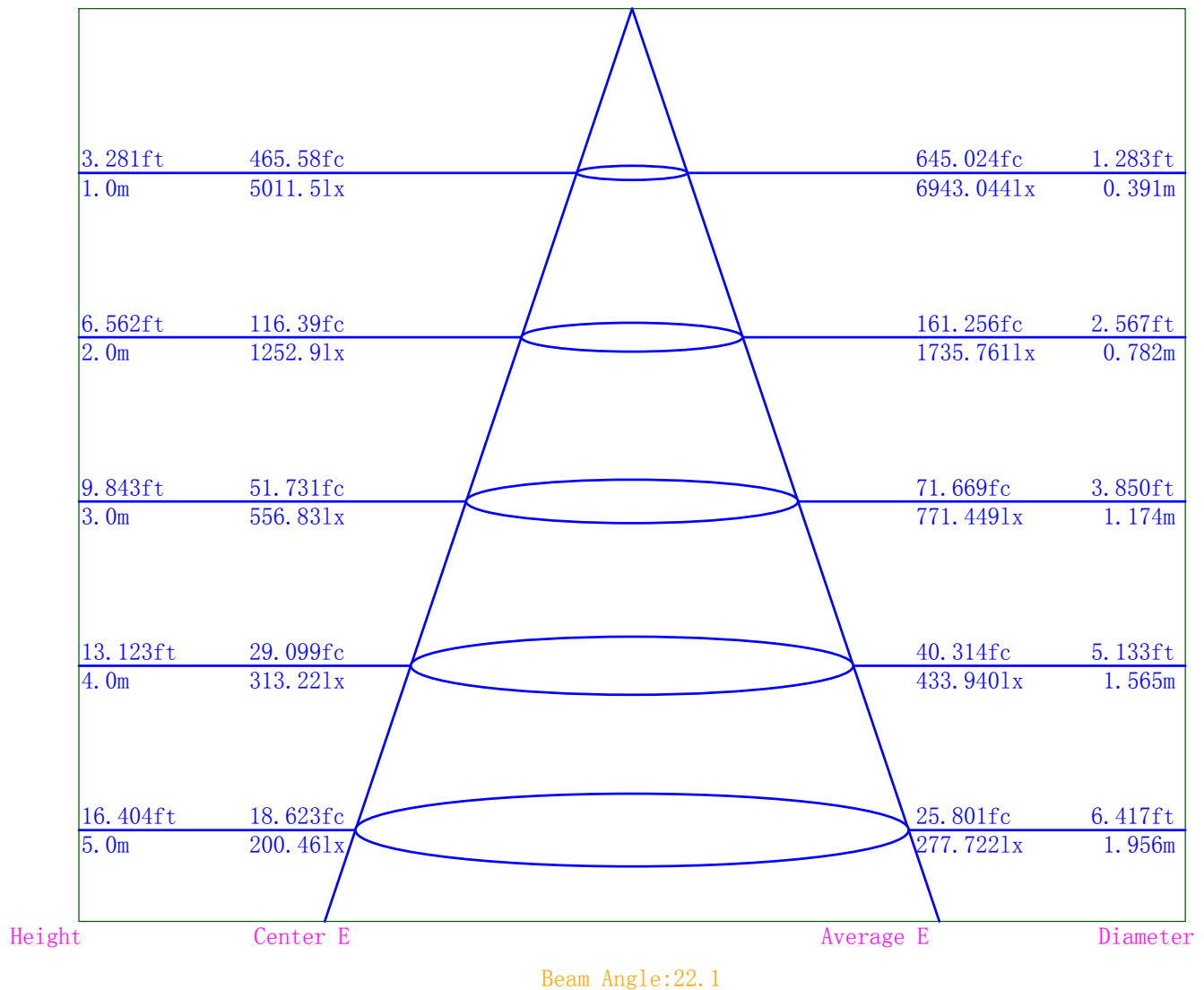
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Illuminance-Distance Diagram

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

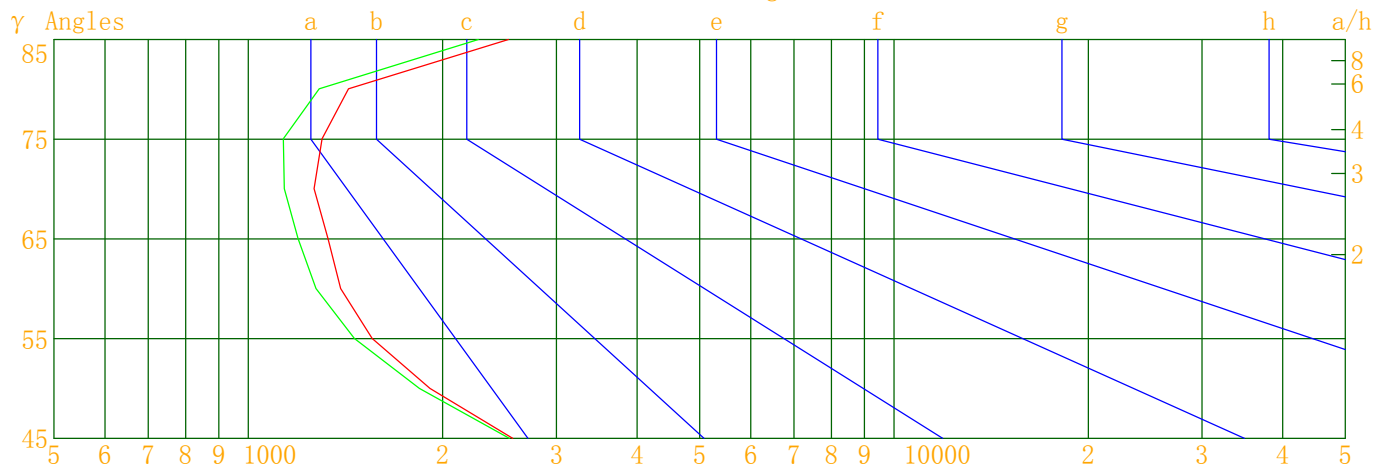
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	2568	1912	1555	1390	1328	1264	1301	1430	2528
C90	2537	1841	1460	1273	1194	1137	1133	1288	2272

Luminance Limiting Curve



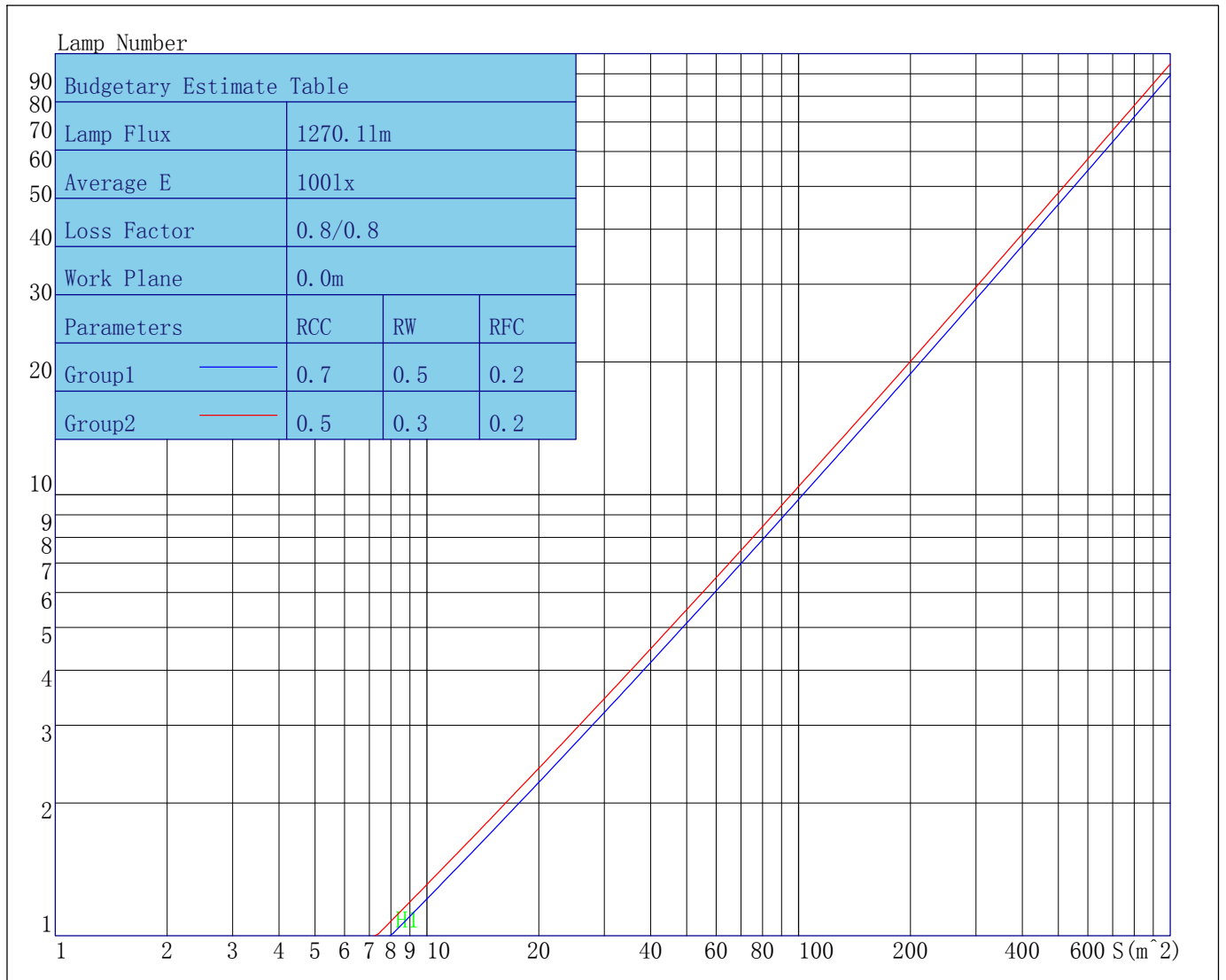
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m^2)=0.040000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18



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:MD18-13-XX-01 2700K RA80 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

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	50	30	10	0
RCR	Coefficient of Utilization(%)																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96			
1	113	110	108	105	110	108	105	103	103	101	100	98	97	96	94	93	92	90			
2	108	103	99	96	105	101	98	95	97	95	92	94	92	90	91	89	87	86			
3	103	97	93	89	101	96	92	88	93	89	86	90	87	85	87	85	83	81			
4	99	92	87	84	97	91	86	83	88	85	81	86	83	80	84	81	79	77			
5	95	88	83	79	93	87	82	78	85	80	77	83	79	76	81	78	75	74			
6	92	84	79	75	90	83	78	75	81	77	74	79	76	73	78	75	72	71			
7	88	80	75	72	87	80	75	71	78	74	71	77	73	70	75	72	69	68			
8	85	77	72	69	84	76	72	68	75	71	68	74	70	67	73	69	67	66			
9	82	74	69	66	81	74	69	66	73	68	65	71	68	65	70	67	65	63			
10	80	72	67	64	79	71	67	64	70	66	63	69	65	63	68	65	63	61			

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Unified Glare Rating Table

Lum. Name: MD18-13-XX-01 2700K RA80 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: 2019/12/18

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	9.8	10.8	10.3	11.2	11.7	9.5	10.5	10.0	10.9	11.3
Y=3H	10.6	11.5	11.1	11.9	12.4	10.2	11.1	10.7	11.5	12.0
Y=4H	11.0	11.9	11.5	12.3	12.8	10.6	11.4	11.1	11.8	12.3
Y=6H	11.5	12.2	12.0	12.7	13.2	11.0	11.7	11.4	12.2	12.7
Y=8H	11.8	12.5	12.3	12.9	13.4	11.2	11.9	11.7	12.4	12.9
Y=12H	12.1	12.8	12.6	13.3	13.8	11.6	12.3	12.1	12.7	13.3
X=4H Y=2H	10.0	10.8	10.5	11.3	11.8	9.7	10.5	10.2	11.0	11.4
Y=3H	11.0	11.7	11.5	12.2	12.7	10.6	11.3	11.1	11.8	12.3
Y=4H	11.6	12.2	12.1	12.7	13.2	11.1	11.7	11.6	12.2	12.8
Y=6H	12.2	12.7	12.7	13.3	13.8	11.7	12.2	12.2	12.7	13.3
Y=8H	12.6	13.1	13.1	13.6	14.2	12.1	12.6	12.6	13.1	13.6
Y=12H	13.1	13.6	13.7	14.1	14.7	12.6	13.0	13.1	13.6	14.1
X=8H Y=4H	11.8	12.3	12.3	12.8	13.3	11.3	11.8	11.8	12.3	12.9
Y=6H	12.6	13.0	13.1	13.5	14.2	12.1	12.5	12.6	13.0	13.6
Y=8H	13.1	13.5	13.7	14.1	14.7	12.6	13.0	13.2	13.5	14.1
Y=12H	13.9	14.2	14.5	14.8	15.5	13.4	13.7	13.9	14.2	14.9
X=12H Y=4H	11.8	12.2	12.3	12.8	13.3	11.3	11.7	11.9	12.3	12.9
Y=6H	12.7	13.0	13.3	13.6	14.2	12.1	12.5	12.7	13.1	13.7
Y=8H	13.3	13.6	13.9	14.2	14.9	12.8	13.1	13.4	13.7	14.3
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.1/-0.1				
S=1.5H	0.3/-0.3					0.3/-0.3				
S=2.0H	0.4/-0.4					0.4/-0.4				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	2.8					2.7				

to the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	5011.48	5011.48	5011.48	5011.48
γ 1.0	5032.61	5003.50	4919.61	4979.71
γ 2.0	5002.75	4942.70	4771.50	4870.32
γ 3.0	4928.57	4811.61	4564.83	4705.65
γ 4.0	4788.04	4629.40	4311.79	4485.63
γ 5.0	4580.28	4400.33	4030.00	4225.30
γ 6.0	4325.90	4131.87	3739.12	3936.11
γ 7.0	4045.42	3833.12	3424.22	3641.31
γ 8.0	3754.39	3531.82	3118.13	3338.38
γ 9.0	3449.41	3243.54	2815.80	3045.28
γ 10.0	3144.78	2945.99	2521.68	2754.72
γ 11.0	2844.85	2649.54	2231.31	2459.10
γ 12.0	2548.86	2354.46	1957.56	2171.58
γ 13.0	2264.77	2075.31	1702.05	1898.03
γ 14.0	1994.01	1820.94	1467.25	1644.29
γ 15.0	1744.87	1589.30	1266.40	1424.52
γ 16.0	1518.02	1382.12	1097.14	1233.16
γ 17.0	1320.11	1207.16	953.98	1070.47
γ 18.0	1148.04	1056.51	834.14	934.24
γ 19.0	1003.92	932.54	731.13	819.54
γ 20.0	883.30	828.17	644.81	724.48
γ 21.0	780.23	738.01	571.81	641.66
γ 22.0	693.83	658.57	508.85	570.78
γ 23.0	619.12	589.30	454.42	509.19
γ 24.0	552.87	529.15	406.18	455.85
γ 25.0	495.67	477.17	363.95	408.89
γ 26.0	446.88	431.23	327.33	368.62
γ 27.0	402.84	389.61	294.39	331.69
γ 28.0	363.65	353.30	264.09	298.78
γ 29.0	329.32	318.51	237.29	268.93
γ 30.0	297.89	287.52	213.33	242.65
γ 31.0	269.60	261.01	192.01	218.85
γ 32.0	244.61	236.97	172.99	197.82
γ 33.0	222.56	215.25	156.42	179.14
γ 34.0	202.74	195.31	141.42	162.62
γ 35.0	184.40	177.38	128.34	147.76
γ 36.0	167.59	160.98	116.43	134.43
γ 37.0	152.35	146.79	105.63	122.31
γ 38.0	138.36	133.77	95.63	111.42
γ 39.0	125.87	121.91	87.39	101.87
γ 40.0	114.71	111.43	79.93	93.66
γ 41.0	104.69	101.89	73.54	86.10
γ 42.0	95.31	93.18	67.77	79.32
γ 43.0	86.71	85.35	62.51	73.02
γ 44.0	79.27	78.04	57.64	66.97
γ 45.0	72.63	71.76	53.20	61.66
γ 46.0	66.83	65.83	49.22	57.03

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	61.55	60.44	45.85	53.08
γ 48.0	57.05	55.63	42.81	49.51
γ 49.0	52.82	51.24	40.08	46.21
γ 50.0	49.15	47.33	37.71	43.31
γ 51.0	45.90	43.94	35.70	40.55
γ 52.0	43.00	40.93	33.83	38.22
γ 53.0	40.29	38.08	32.10	35.96
γ 54.0	37.93	35.63	30.67	34.08
γ 55.0	35.68	33.50	29.21	32.30
γ 56.0	33.79	31.49	28.05	30.81
γ 57.0	32.06	29.75	26.89	29.49
γ 58.0	30.45	28.01	25.71	28.12
γ 59.0	29.01	26.69	24.66	26.88
γ 60.0	27.81	25.46	23.67	25.67
γ 61.0	26.63	24.26	22.72	24.61
γ 62.0	25.51	23.19	21.76	23.62
γ 63.0	24.41	22.12	20.88	22.64
γ 64.0	23.49	21.21	20.02	21.67
γ 65.0	22.46	20.19	19.09	20.64
γ 66.0	21.52	19.21	18.05	19.82
γ 67.0	20.37	18.24	17.23	18.70
γ 68.0	19.36	17.06	16.30	17.69
γ 69.0	18.23	16.35	15.53	16.96
γ 70.0	17.29	15.55	14.76	16.18
γ 71.0	16.48	14.77	13.99	15.36
γ 72.0	15.78	14.00	13.19	14.61
γ 73.0	14.99	13.24	12.59	13.87
γ 74.0	14.26	12.44	11.72	13.16
γ 75.0	13.47	11.73	11.04	12.27
γ 76.0	12.66	10.83	10.16	11.47
γ 77.0	11.88	10.06	9.39	10.68
γ 78.0	11.03	9.42	9.13	10.36
γ 79.0	10.19	9.20	8.84	9.99
γ 80.0	9.93	8.94	8.67	9.79
γ 81.0	9.72	8.71	8.43	9.58
γ 82.0	9.43	8.51	8.27	9.29
γ 83.0	9.23	8.35	8.15	9.14
γ 84.0	9.00	8.17	7.93	8.88
γ 85.0	8.81	7.92	7.73	8.68
γ 86.0	8.63	7.79	7.58	8.47
γ 87.0	8.40	7.59	7.35	8.29
γ 88.0	8.18	7.46	7.23	8.07
γ 89.0	8.00	7.35	7.06	7.85
γ 90.0	7.80	7.19	6.97	7.74
γ 91.0	7.66	7.08	6.82	7.58
γ 92.0	7.65	7.01	6.80	7.41
γ 93.0	7.49	6.89	6.62	7.43

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	7.34	6.80	6.59	7.23
γ 95.0	7.32	6.75	6.52	7.23
γ 96.0	7.27	6.70	6.45	7.13
γ 97.0	7.11	6.57	6.37	6.98
γ 98.0	7.09	6.57	6.25	6.89
γ 99.0	6.94	6.44	6.26	6.78
γ 100.0	6.86	6.46	6.20	6.75
γ 101.0	6.90	6.47	6.17	6.69
γ 102.0	6.82	6.40	6.07	6.57
γ 103.0	6.72	6.33	6.09	6.56
γ 104.0	6.70	6.27	6.02	6.59
γ 105.0	6.68	6.23	6.06	6.56
γ 106.0	6.59	6.21	5.96	6.50
γ 107.0	6.46	6.15	5.97	6.42
γ 108.0	6.51	6.20	6.01	6.44
γ 109.0	6.45	6.15	5.99	6.41
γ 110.0	6.34	6.08	6.01	6.43
γ 111.0	6.36	6.10	5.98	6.36
γ 112.0	6.34	6.02	5.96	6.40
γ 113.0	6.25	6.05	5.98	6.35
γ 114.0	6.30	5.95	6.00	6.47
γ 115.0	6.24	5.96	5.98	6.49
γ 116.0	6.16	5.99	6.05	6.44
γ 117.0	6.18	5.86	6.07	6.35
γ 118.0	6.12	5.86	6.06	6.46
γ 119.0	6.15	5.90	6.12	6.52
γ 120.0	6.17	5.93	6.16	6.51
γ 121.0	6.11	5.91	6.19	6.52
γ 122.0	6.05	5.87	6.28	6.62
γ 123.0	6.16	5.97	6.37	6.65
γ 124.0	6.11	5.97	6.32	6.74
γ 125.0	6.14	6.03	6.47	6.79
γ 126.0	6.25	6.13	6.60	6.84
γ 127.0	6.21	6.16	6.64	6.91
γ 128.0	6.30	6.22	6.78	7.05
γ 129.0	6.41	6.35	7.00	7.12
γ 130.0	6.48	6.47	7.13	7.21
γ 131.0	6.56	6.56	7.30	7.35
γ 132.0	6.67	6.68	7.46	7.66
γ 133.0	6.86	6.94	7.65	7.79
γ 134.0	6.96	7.05	7.93	7.89
γ 135.0	7.19	7.30	8.16	8.15
γ 136.0	7.34	7.48	8.43	8.34
γ 137.0	7.54	7.67	8.60	8.57
γ 138.0	7.78	7.84	8.80	8.77
γ 139.0	8.04	8.09	9.13	9.06
γ 140.0	8.23	8.34	9.36	9.33

IES Indoor Report

Photometric Filename:MD18-13-XX-01 2700K RA80 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	8.47	8.54	9.69	9.57
γ 142.0	8.79	8.85	9.91	9.86
γ 143.0	9.07	9.21	10.31	10.13
γ 144.0	9.27	9.53	10.44	10.36
γ 145.0	9.56	9.64	10.83	10.65
γ 146.0	9.78	9.98	10.93	10.94
γ 147.0	10.15	10.19	11.21	11.22
γ 148.0	10.39	10.48	11.47	11.34
γ 149.0	10.59	10.70	11.62	11.57
γ 150.0	10.80	10.88	11.82	11.80
γ 151.0	11.05	11.10	12.02	11.97
γ 152.0	11.24	11.29	12.18	12.08
γ 153.0	11.50	11.43	12.33	12.24
γ 154.0	11.65	11.63	12.42	12.41
γ 155.0	11.81	11.80	12.49	12.50
γ 156.0	12.00	11.89	12.63	12.64
γ 157.0	12.20	12.01	12.73	12.61
γ 158.0	12.24	12.03	12.76	12.75
γ 159.0	12.41	12.31	12.90	12.77
γ 160.0	12.46	12.25	12.93	12.79
γ 161.0	12.56	12.38	13.00	12.88
γ 162.0	12.62	12.39	12.91	12.92
γ 163.0	12.75	12.52	13.00	12.89
γ 164.0	12.80	12.55	13.07	12.94
γ 165.0	12.81	12.62	13.04	12.90
γ 166.0	12.84	12.72	12.98	12.91
γ 167.0	12.89	12.73	12.99	12.95
γ 168.0	12.88	12.66	12.99	12.93
γ 169.0	12.91	12.69	12.97	12.85
γ 170.0	12.81	12.74	12.99	12.86
γ 171.0	12.82	12.71	12.90	12.84
γ 172.0	12.84	12.74	12.88	12.89
γ 173.0	12.84	12.69	12.90	12.72
γ 174.0	12.84	12.65	12.84	12.79
γ 175.0	12.78	12.62	12.78	12.76
γ 176.0	12.74	12.59	12.85	12.68
γ 177.0	12.80	12.65	12.77	12.71
γ 178.0	12.83	12.61	12.82	12.73
γ 179.0	12.86	12.64	12.81	12.85
γ 180.0	12.76	12.76	12.76	12.76