

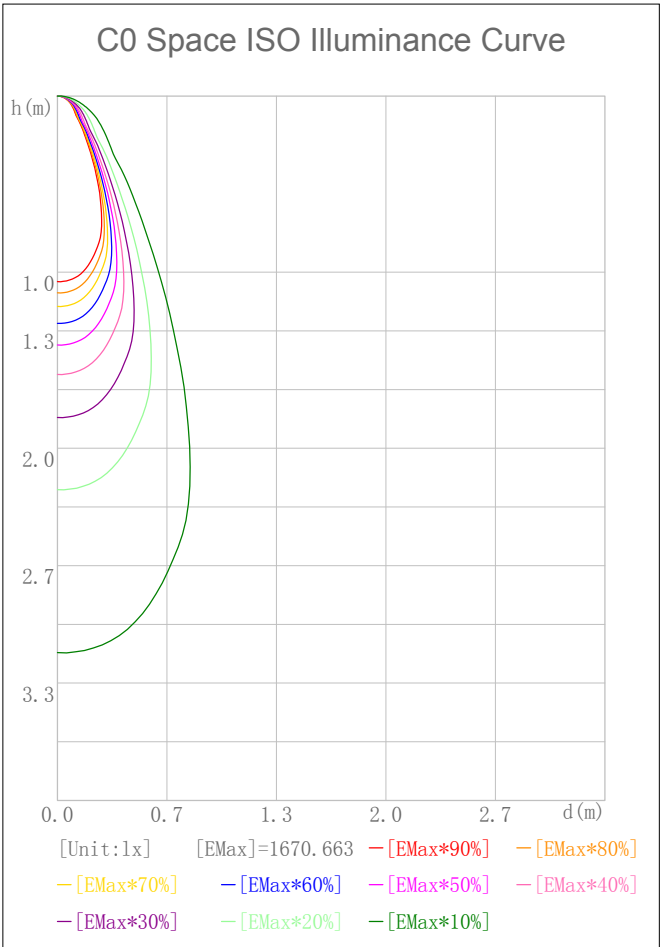
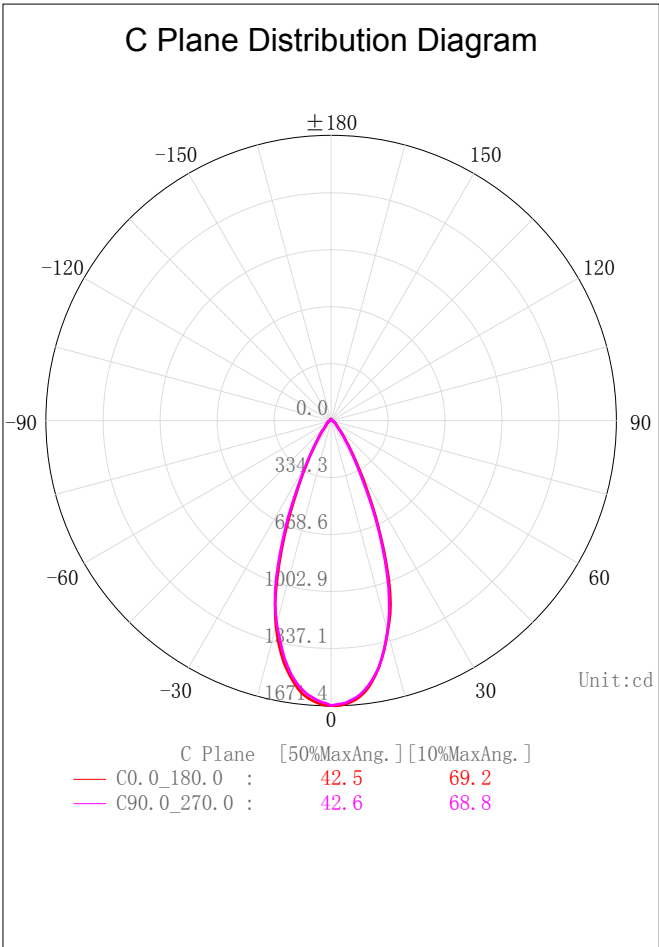
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/01/06
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):0.498m*0.498m*0.090m	Lum. Area (m2):0.293	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%): 50.0

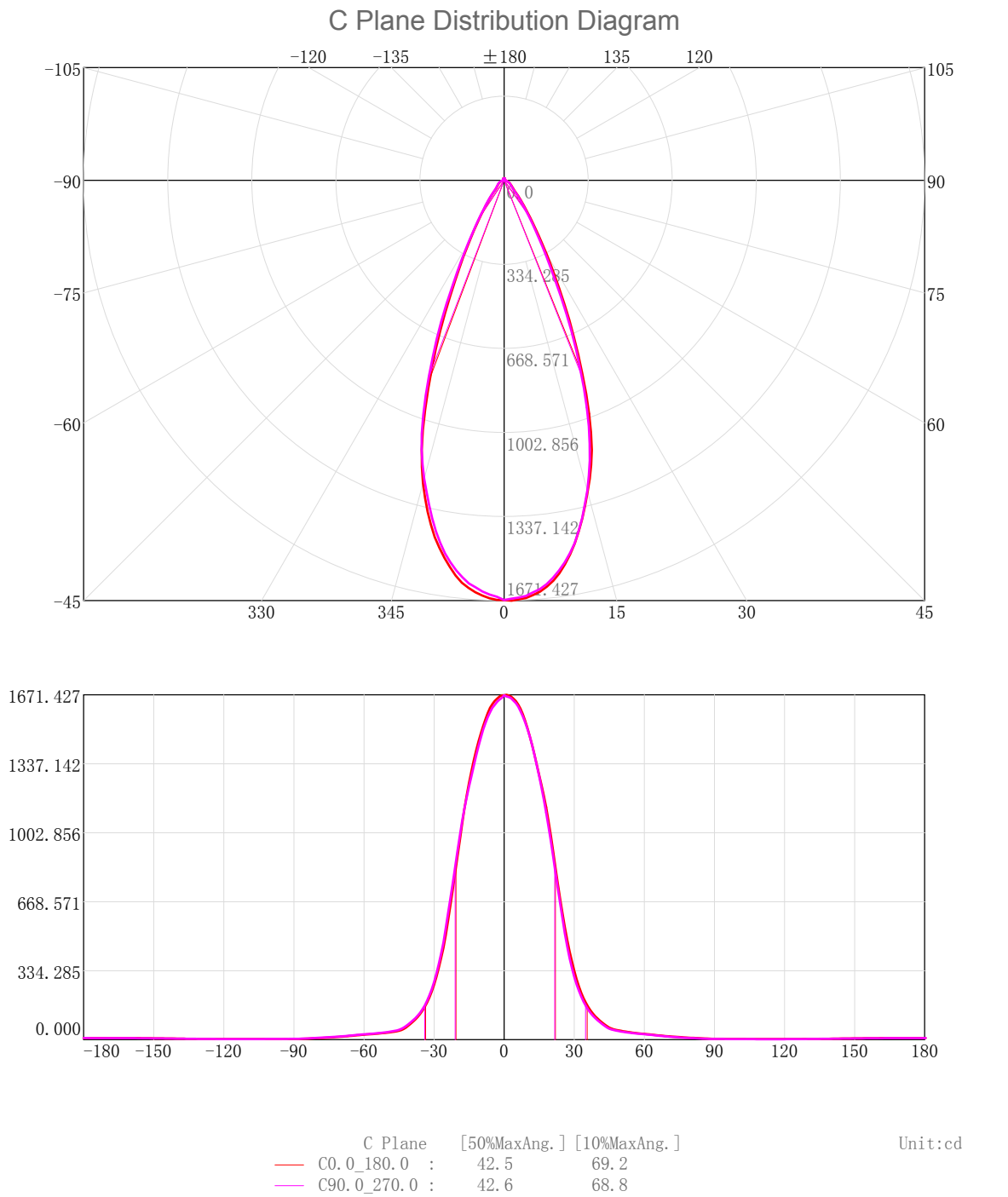
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 998.030	Luminary Flux(lm): 998.028	Field Angle(10%Imax): 69.2(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 970.351lm 97.23%
Rated Voltage(V):	Luminary EER(lm/W): 79.146	Up Lumens&Percent: 27.677lm 2.77%
Tested Power(W): 12.610	Max. Candela(cd): 1671.427	S/MH: C0_a180=0.700 C90_270=0.699
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.0, 0.055, 0.949	Beam Angle(50%Imax): 42.5(°)	ErP Φ use(90°): 879.965lm
Lamp Size(W*L*H):0.498m*0.498m*0.090m	Left=-20.6°, Right=21.9°	IRF(%): 373.115



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06



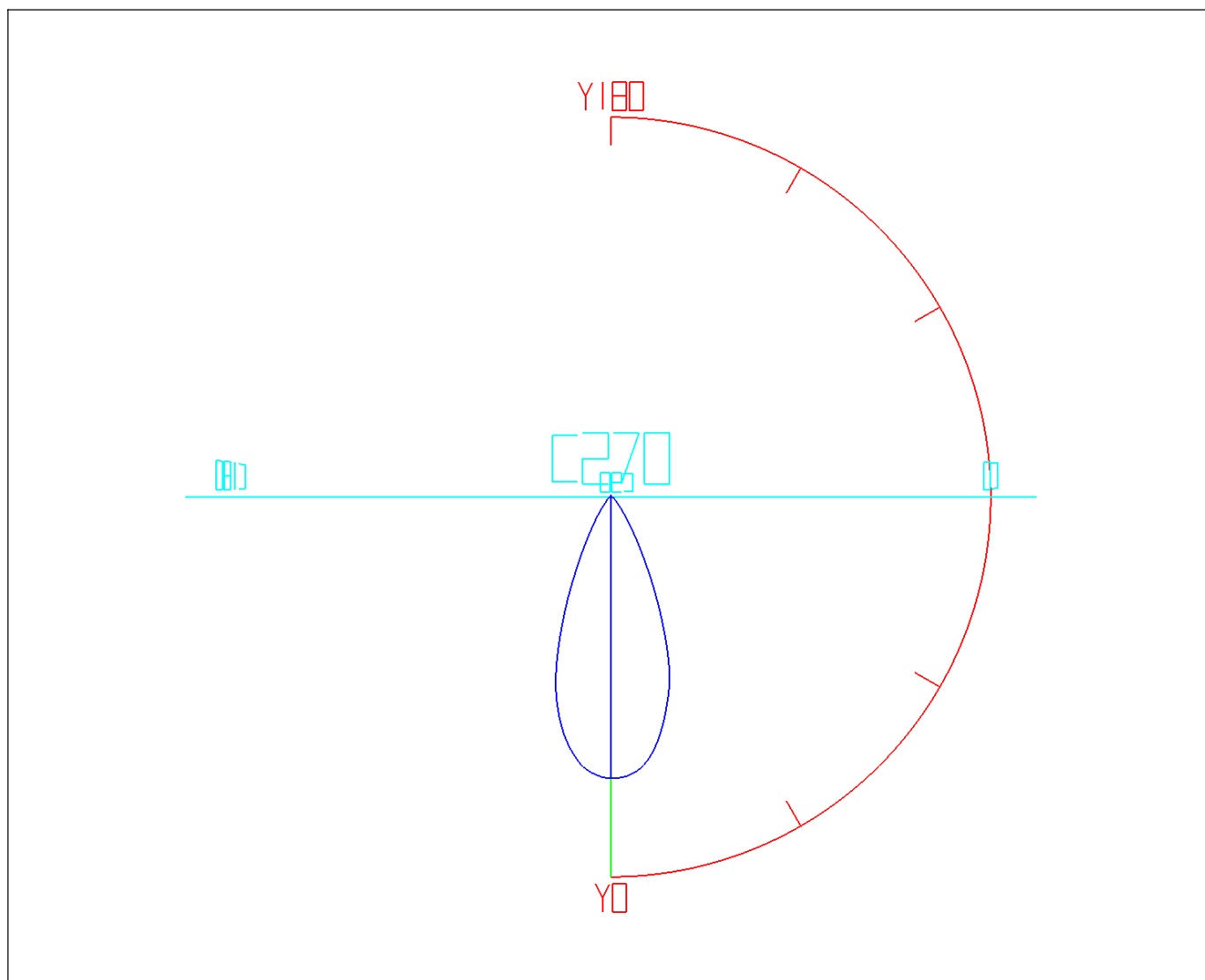
# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

## 3D Light Intensity Distribution Modal



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

Zonal Flux Tabulation

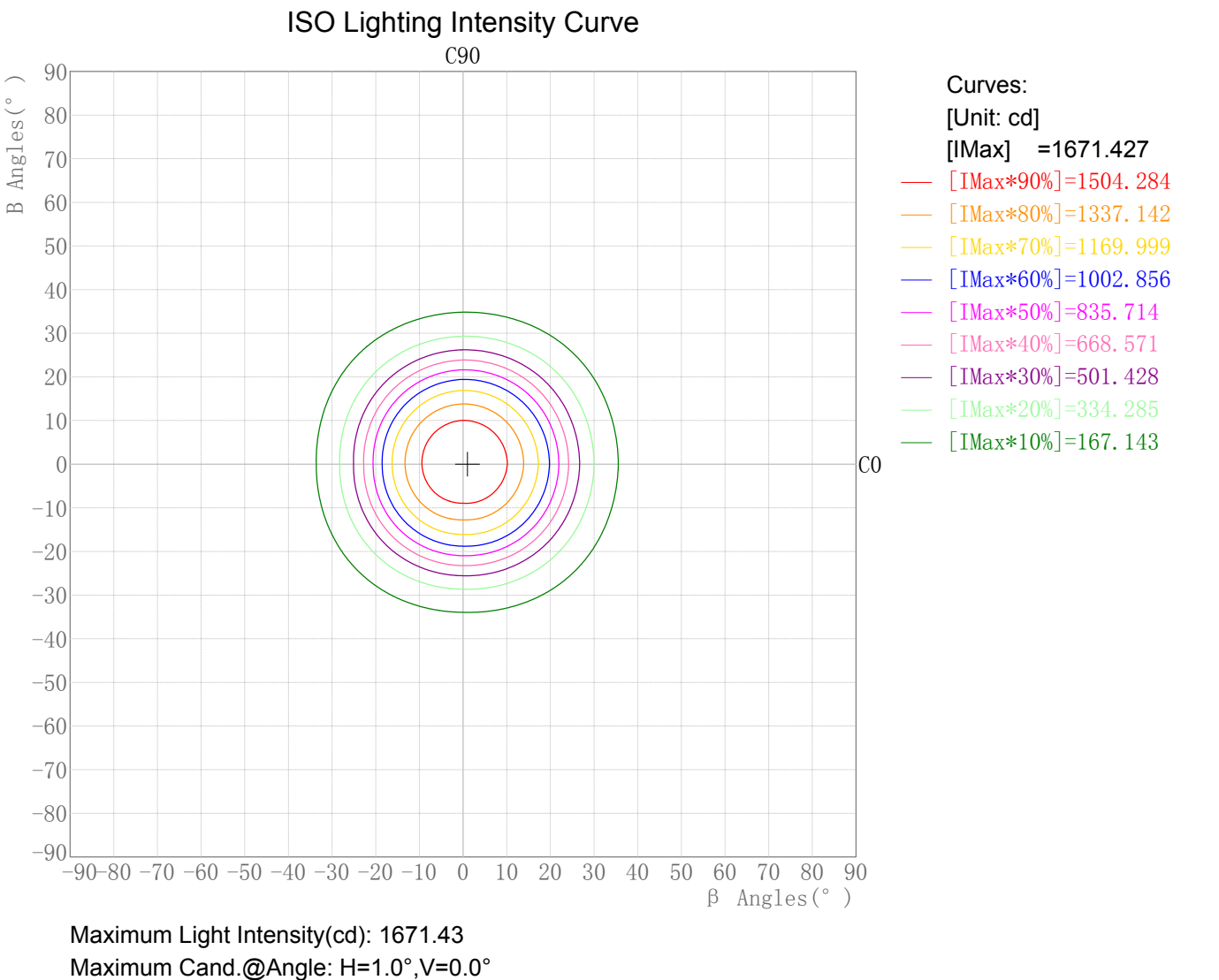
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.60	1.60	0.16	0.16	47.0-48.0	3.53	894.83	0.35	89.66
1.0-2.0	4.77	6.37	0.48	0.64	48.0-49.0	3.42	898.25	0.34	90.00
2.0-3.0	7.92	14.29	0.79	1.43	49.0-50.0	3.31	901.56	0.33	90.33
3.0-4.0	11.02	25.31	1.10	2.54	50.0-51.0	3.21	904.77	0.32	90.66
4.0-5.0	14.05	39.36	1.41	3.94	51.0-52.0	3.12	907.89	0.31	90.97
5.0-6.0	17.00	56.36	1.70	5.65	52.0-53.0	3.04	910.94	0.30	91.27
6.0-7.0	19.83	76.19	1.99	7.63	53.0-54.0	2.97	913.90	0.30	91.57
7.0-8.0	22.50	98.68	2.25	9.89	54.0-55.0	2.89	916.79	0.29	91.86
8.0-9.0	24.99	123.68	2.50	12.39	55.0-56.0	2.82	919.61	0.28	92.14
9.0-10.0	27.30	150.98	2.74	15.13	56.0-57.0	2.74	922.35	0.27	92.42
10.0-11.0	29.40	180.38	2.95	18.07	57.0-58.0	2.68	925.03	0.27	92.69
11.0-12.0	31.24	211.62	3.13	21.20	58.0-59.0	2.61	927.64	0.26	92.95
12.0-13.0	32.82	244.43	3.29	24.49	59.0-60.0	2.55	930.19	0.26	93.20
13.0-14.0	34.14	278.58	3.42	27.91	60.0-61.0	2.48	932.67	0.25	93.45
14.0-15.0	35.24	313.82	3.53	31.44	61.0-62.0	2.41	935.08	0.24	93.69
15.0-16.0	36.08	349.90	3.62	35.06	62.0-63.0	2.33	937.41	0.23	93.93
16.0-17.0	36.62	386.52	3.67	38.73	63.0-64.0	2.24	939.65	0.22	94.15
17.0-18.0	36.77	423.29	3.68	42.41	64.0-65.0	2.14	941.79	0.21	94.36
18.0-19.0	36.44	459.73	3.65	46.06	65.0-66.0	2.04	943.83	0.20	94.57
19.0-20.0	35.64	495.37	3.57	49.64	66.0-67.0	1.95	945.78	0.20	94.76
20.0-21.0	34.44	529.81	3.45	53.09	67.0-68.0	1.86	947.63	0.19	94.95
21.0-22.0	32.92	562.74	3.30	56.38	68.0-69.0	1.77	949.40	0.18	95.13
22.0-23.0	31.18	593.92	3.12	59.51	69.0-70.0	1.68	951.08	0.17	95.30
23.0-24.0	29.27	623.18	2.93	62.44	70.0-71.0	1.60	952.68	0.16	95.46
24.0-25.0	27.17	650.36	2.72	65.16	71.0-72.0	1.52	954.20	0.15	95.61
25.0-26.0	24.94	675.29	2.50	67.66	72.0-73.0	1.44	955.65	0.14	95.75
26.0-27.0	22.74	698.04	2.28	69.94	73.0-74.0	1.37	957.02	0.14	95.89
27.0-28.0	20.72	718.76	2.08	72.02	74.0-75.0	1.30	958.31	0.13	96.02
28.0-29.0	18.86	737.62	1.89	73.91	75.0-76.0	1.23	959.54	0.12	96.14
29.0-30.0	17.11	754.72	1.71	75.62	76.0-77.0	1.16	960.70	0.12	96.26
30.0-31.0	15.48	770.21	1.55	77.17	77.0-78.0	1.09	961.79	0.11	96.37
31.0-32.0	14.02	784.22	1.40	78.58	78.0-79.0	1.02	962.81	0.10	96.47
32.0-33.0	12.70	796.92	1.27	79.85	79.0-80.0	0.96	963.77	0.10	96.57
33.0-34.0	11.49	808.41	1.15	81.00	80.0-81.0	0.90	964.67	0.09	96.66
34.0-35.0	10.40	818.80	1.04	82.04	81.0-82.0	0.84	965.51	0.08	96.74
35.0-36.0	9.45	828.25	0.95	82.99	82.0-83.0	0.78	966.29	0.08	96.82
36.0-37.0	8.61	836.86	0.86	83.85	83.0-84.0	0.72	967.01	0.07	96.89
37.0-38.0	7.88	844.74	0.79	84.64	84.0-85.0	0.67	967.68	0.07	96.96
38.0-39.0	7.23	851.97	0.72	85.36	85.0-86.0	0.61	968.30	0.06	97.02
39.0-40.0	6.64	858.60	0.66	86.03	86.0-87.0	0.56	968.86	0.06	97.08
40.0-41.0	6.07	864.68	0.61	86.64	87.0-88.0	0.52	969.38	0.05	97.13
41.0-42.0	5.52	870.20	0.55	87.19	88.0-89.0	0.49	969.88	0.05	97.18
42.0-43.0	4.98	875.18	0.50	87.69	89.0-90.0	0.48	970.35	0.05	97.23
43.0-44.0	4.50	879.67	0.45	88.14	90.0-91.0	0.46	970.82	0.05	97.27
44.0-45.0	4.11	883.78	0.41	88.55	91.0-92.0	0.45	971.27	0.05	97.32
45.0-46.0	3.85	887.63	0.39	88.94	92.0-93.0	0.44	971.71	0.04	97.36
46.0-47.0	3.67	891.30	0.37	89.31	93.0-94.0	0.44	972.15	0.04	97.41

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	0.43	972.58	0.04	97.45	141.0-142.0	0.37	988.71	0.04	99.07
95.0-96.0	0.42	973.00	0.04	97.49	142.0-143.0	0.37	989.08	0.04	99.10
96.0-97.0	0.41	973.41	0.04	97.53	143.0-144.0	0.37	989.46	0.04	99.14
97.0-98.0	0.40	973.81	0.04	97.57	144.0-145.0	0.37	989.83	0.04	99.18
98.0-99.0	0.40	974.21	0.04	97.61	145.0-146.0	0.37	990.20	0.04	99.22
99.0-100.0	0.39	974.60	0.04	97.65	146.0-147.0	0.37	990.58	0.04	99.25
100.0-101.0	0.38	974.98	0.04	97.69	147.0-148.0	0.37	990.95	0.04	99.29
101.0-102.0	0.38	975.35	0.04	97.73	148.0-149.0	0.37	991.32	0.04	99.33
102.0-103.0	0.37	975.72	0.04	97.76	149.0-150.0	0.37	991.68	0.04	99.36
103.0-104.0	0.36	976.08	0.04	97.80	150.0-151.0	0.36	992.05	0.04	99.40
104.0-105.0	0.36	976.44	0.04	97.84	151.0-152.0	0.36	992.40	0.04	99.44
105.0-106.0	0.35	976.79	0.04	97.87	152.0-153.0	0.35	992.76	0.04	99.47
106.0-107.0	0.35	977.14	0.03	97.91	153.0-154.0	0.35	993.10	0.03	99.51
107.0-108.0	0.34	977.48	0.03	97.94	154.0-155.0	0.34	993.44	0.03	99.54
108.0-109.0	0.34	977.81	0.03	97.97	155.0-156.0	0.33	993.77	0.03	99.57
109.0-110.0	0.33	978.14	0.03	98.01	156.0-157.0	0.32	994.10	0.03	99.61
110.0-111.0	0.33	978.47	0.03	98.04	157.0-158.0	0.31	994.41	0.03	99.64
111.0-112.0	0.32	978.79	0.03	98.07	158.0-159.0	0.30	994.71	0.03	99.67
112.0-113.0	0.32	979.11	0.03	98.10	159.0-160.0	0.29	995.01	0.03	99.70
113.0-114.0	0.32	979.43	0.03	98.14	160.0-161.0	0.28	995.29	0.03	99.73
114.0-115.0	0.31	979.74	0.03	98.17	161.0-162.0	0.27	995.56	0.03	99.75
115.0-116.0	0.31	980.06	0.03	98.20	162.0-163.0	0.26	995.82	0.03	99.78
116.0-117.0	0.31	980.37	0.03	98.23	163.0-164.0	0.25	996.06	0.02	99.80
117.0-118.0	0.31	980.68	0.03	98.26	164.0-165.0	0.23	996.30	0.02	99.83
118.0-119.0	0.31	980.98	0.03	98.29	165.0-166.0	0.22	996.51	0.02	99.85
119.0-120.0	0.31	981.29	0.03	98.32	166.0-167.0	0.20	996.72	0.02	99.87
120.0-121.0	0.31	981.60	0.03	98.35	167.0-168.0	0.19	996.91	0.02	99.89
121.0-122.0	0.31	981.91	0.03	98.38	168.0-169.0	0.18	997.09	0.02	99.91
122.0-123.0	0.31	982.22	0.03	98.42	169.0-170.0	0.16	997.25	0.02	99.92
123.0-124.0	0.31	982.53	0.03	98.45	170.0-171.0	0.15	997.39	0.01	99.94
124.0-125.0	0.31	982.85	0.03	98.48	171.0-172.0	0.13	997.53	0.01	99.95
125.0-126.0	0.32	983.16	0.03	98.51	172.0-173.0	0.12	997.64	0.01	99.96
126.0-127.0	0.32	983.48	0.03	98.54	173.0-174.0	0.10	997.74	0.01	99.97
127.0-128.0	0.32	983.81	0.03	98.57	174.0-175.0	0.09	997.83	0.01	99.98
128.0-129.0	0.33	984.13	0.03	98.61	175.0-176.0	0.07	997.90	0.01	99.99
129.0-130.0	0.33	984.46	0.03	98.64	176.0-177.0	0.06	997.96	0.01	99.99
130.0-131.0	0.33	984.80	0.03	98.67	177.0-178.0	0.04	998.00	0.00	100.00
131.0-132.0	0.34	985.13	0.03	98.71	178.0-179.0	0.02	998.02	0.00	100.00
132.0-133.0	0.34	985.47	0.03	98.74	179.0-180.0	0.01	998.03	0.00	100.00
133.0-134.0	0.35	985.82	0.03	98.78					
134.0-135.0	0.35	986.17	0.04	98.81					
135.0-136.0	0.35	986.52	0.04	98.85					
136.0-137.0	0.36	986.88	0.04	98.88					
137.0-138.0	0.36	987.24	0.04	98.92					
138.0-139.0	0.36	987.60	0.04	98.96					
139.0-140.0	0.37	987.97	0.04	98.99					
140.0-141.0	0.37	988.34	0.04	99.03					

Rectangle ISO Lighting Intensity Diagram

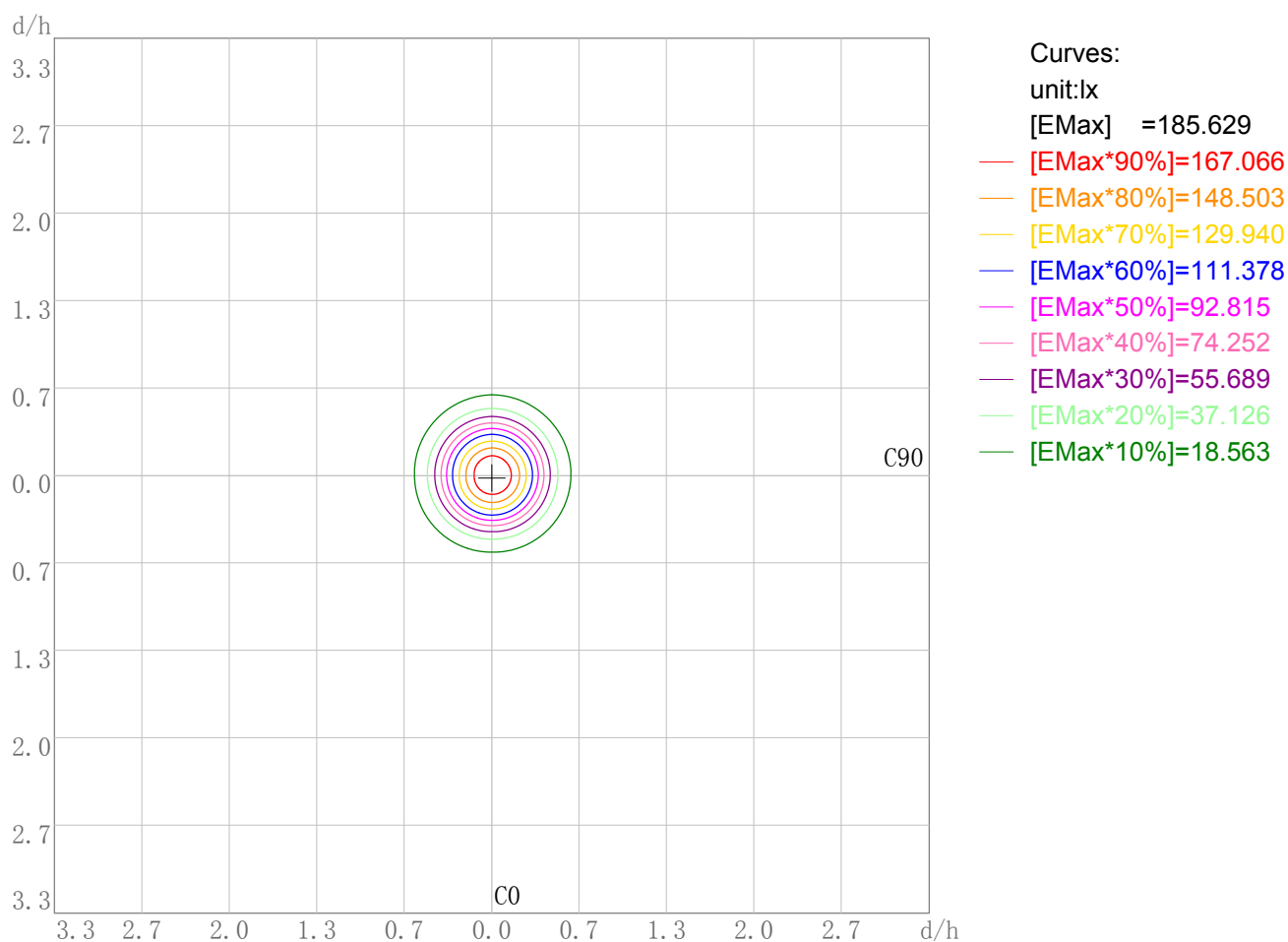
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Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06



## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

## Plane ISO-Illuminance Curve



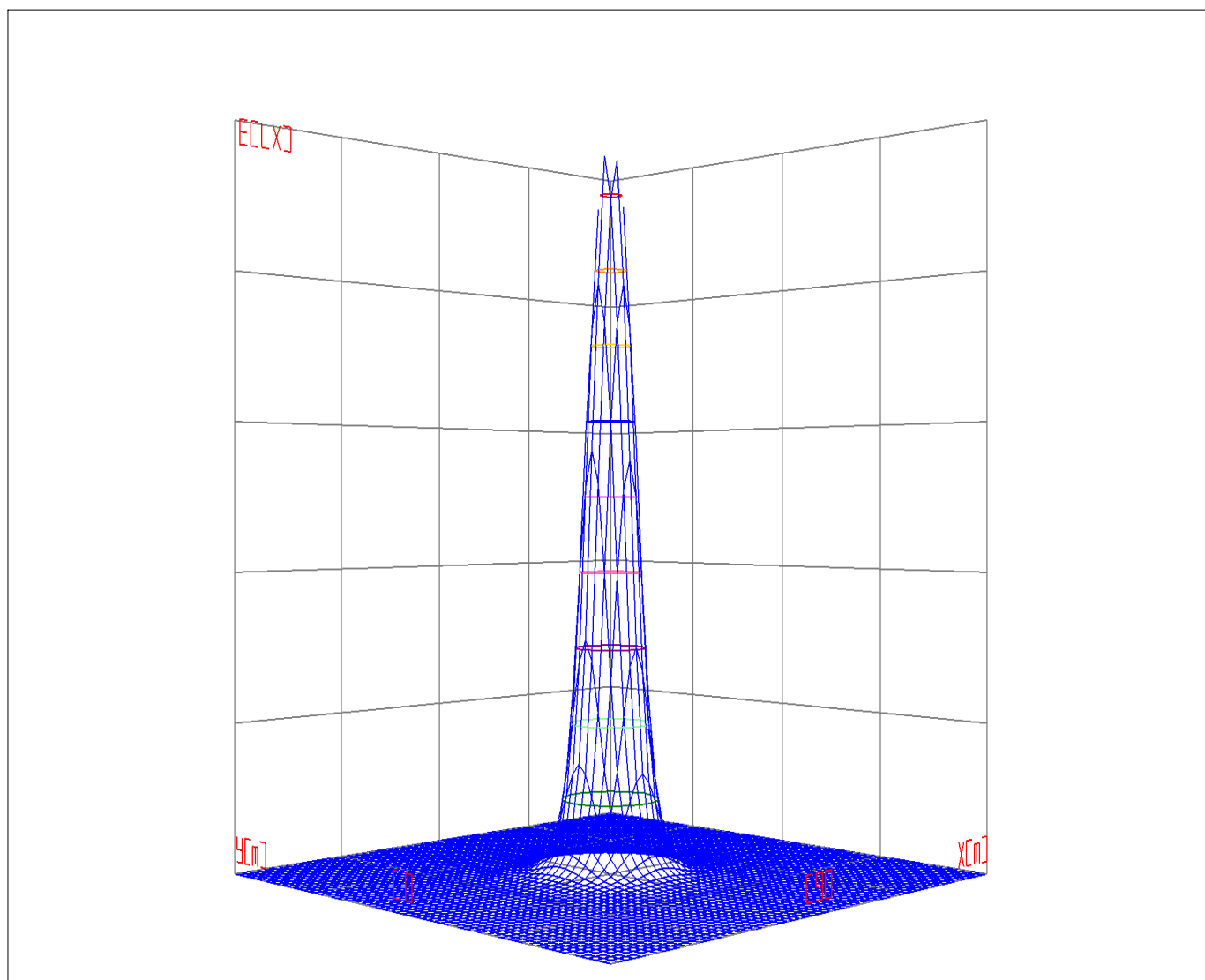
# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

## 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



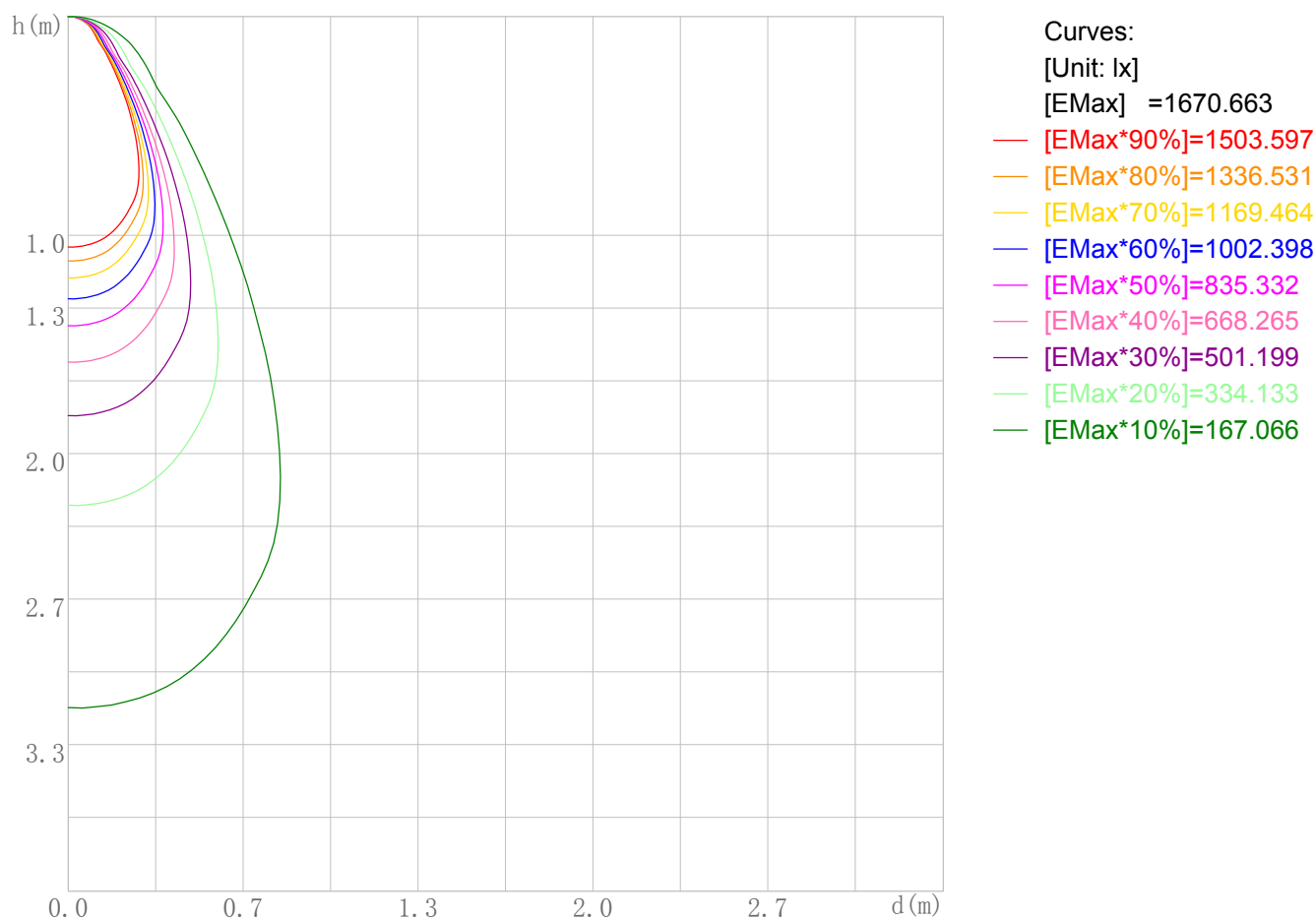
# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1670.66lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1671.427cd,0deg

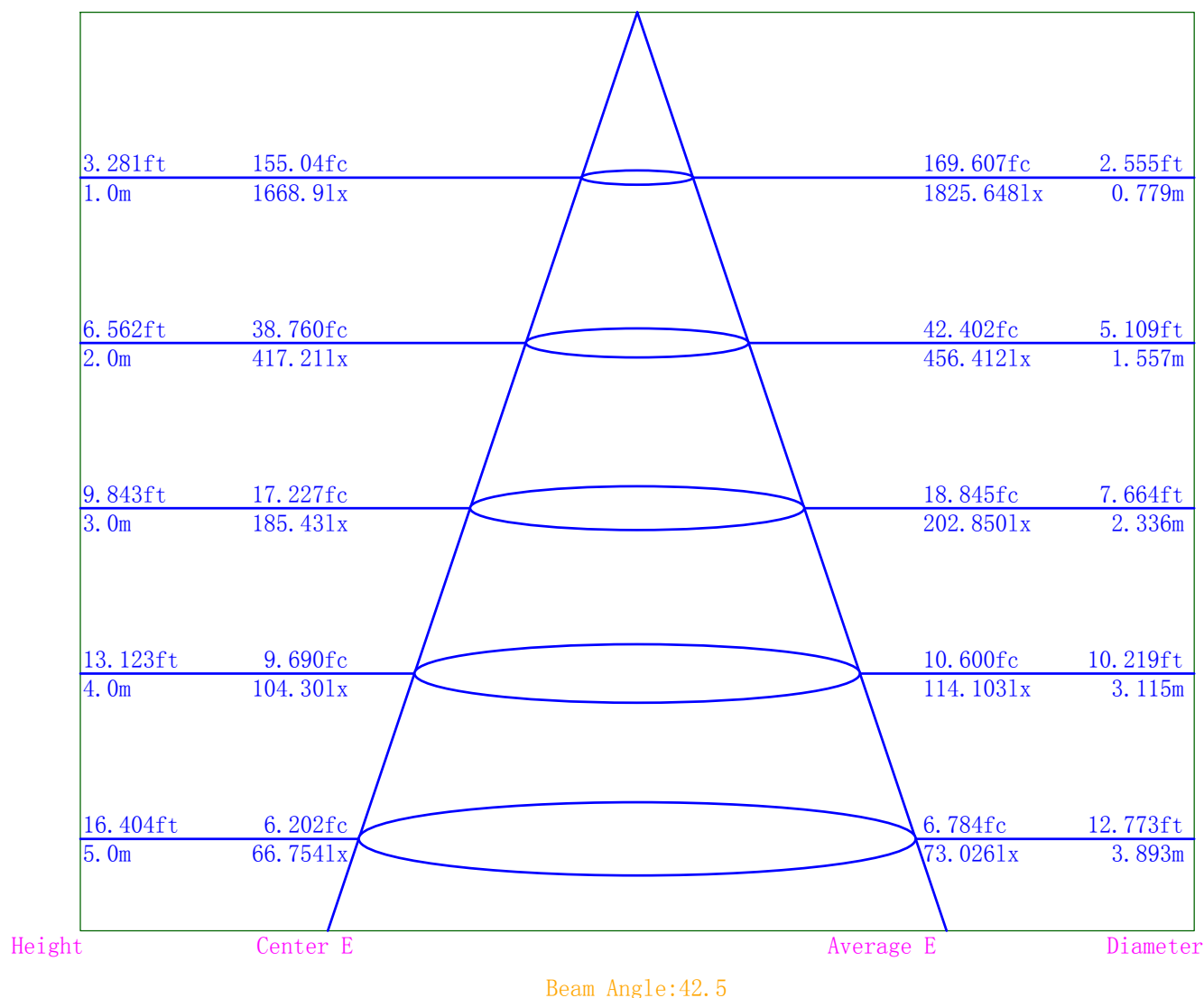
# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

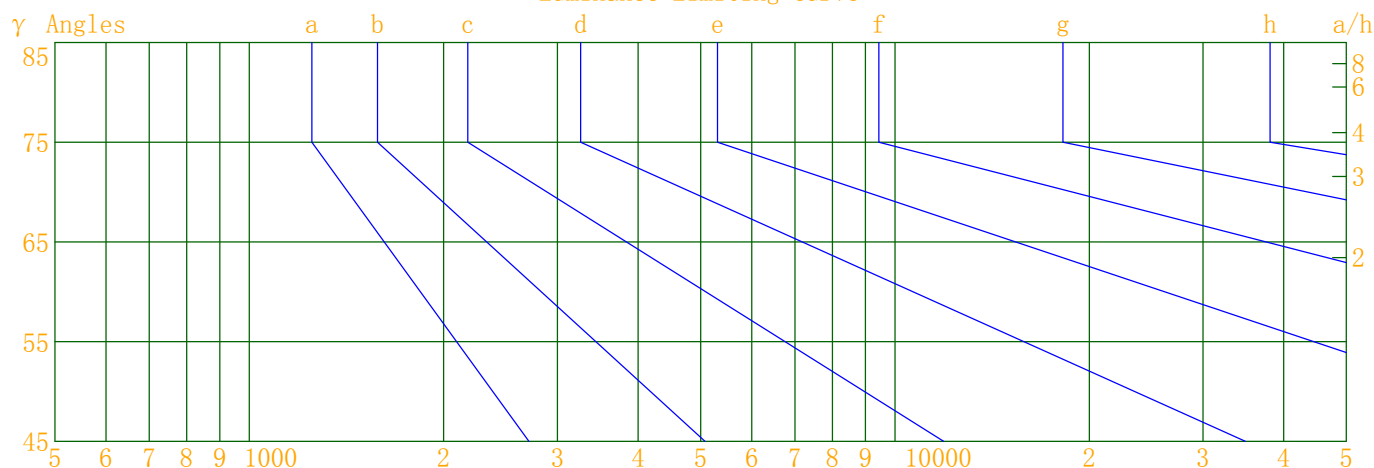
Glare Grade Table

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	285	230	206	193	182	171	171	188	262
C90	258	212	193	183	170	156	152	161	215

Luminance Limiting Curve



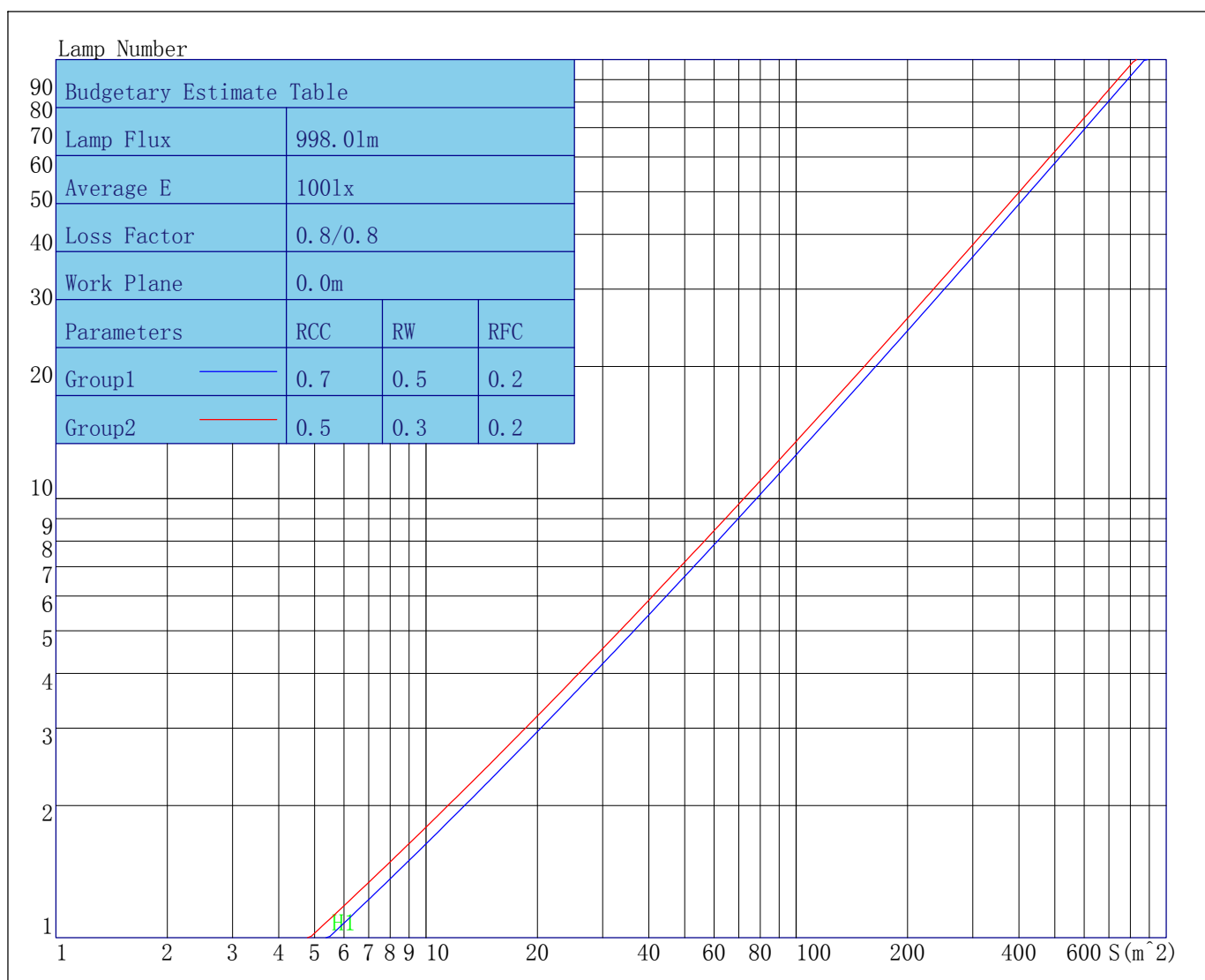
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.090 Area(m^2)=0.292824  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06



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-XX-05 3000K RA90 38D.IES

## Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	112	110	107	105	110	107	105	103	103	101	99	98	97	96	94	93	92	90
2	107	102	98	94	104	100	96	93	96	93	90	93	90	88	90	88	86	84
3	102	95	90	86	99	94	89	85	91	87	84	88	85	82	85	83	80	79
4	97	89	84	80	95	88	83	79	85	81	78	83	80	77	81	78	75	74
5	92	84	78	74	90	83	78	74	81	76	73	79	75	72	77	74	71	70
6	88	80	74	70	86	79	73	69	77	72	69	75	71	68	74	70	67	66
7	84	75	70	66	83	75	69	65	73	68	65	72	67	64	70	67	64	62
8	81	72	66	62	79	71	66	62	70	65	61	68	64	61	67	63	61	59
9	77	68	63	59	76	68	62	59	66	62	58	65	61	58	64	61	58	56
10	74	65	60	56	73	65	59	56	64	59	56	63	58	55	62	58	55	54

Unified Glare Rating Table

Lum. Name: MD10-13-XX-05 3000K RA90 38D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

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	3.5	4.5	3.9	4.9	5.3	3.1	4.1	3.5	4.5	4.8
	4.3	5.2	4.8	5.6	6.1	3.9	4.8	4.3	5.2	5.6
	4.8	5.6	5.2	6.0	6.5	4.3	5.1	4.7	5.5	6.0
	5.2	6.0	5.7	6.4	6.9	4.7	5.4	5.1	5.9	6.3
	5.4	6.2	5.9	6.6	7.1	4.9	5.6	5.3	6.0	6.5
	5.7	6.4	6.2	6.8	7.3	5.1	5.8	5.5	6.2	6.7
X=4H    Y=2H	3.7	4.5	4.2	5.0	5.4	3.3	4.2	3.8	4.6	5.0
	4.8	5.5	5.2	5.9	6.4	4.4	5.1	4.8	5.5	6.0
	5.4	6.0	5.8	6.5	7.0	4.9	5.5	5.4	6.0	6.5
	6.0	6.5	6.5	7.0	7.6	5.4	6.0	6.0	6.5	7.0
	6.3	6.8	6.8	7.3	7.8	5.7	6.2	6.2	6.7	7.2
	6.7	7.1	7.2	7.6	8.2	6.0	6.4	6.5	7.0	7.5
X=8H    Y=4H	5.5	6.0	6.1	6.5	7.1	5.1	5.6	5.6	6.1	6.6
	6.3	6.7	6.9	7.3	7.9	5.8	6.2	6.4	6.8	7.3
	6.8	7.1	7.4	7.7	8.3	6.2	6.5	6.8	7.1	7.7
	7.3	7.6	7.9	8.2	8.8	6.6	6.9	7.2	7.5	8.1
X=12H    Y=4H	5.5	6.0	6.1	6.5	7.1	5.1	5.5	5.6	6.1	6.6
	6.4	6.8	7.0	7.3	7.9	5.9	6.2	6.4	6.7	7.4
	6.9	7.2	7.5	7.8	8.4	6.3	6.6	6.9	7.2	7.8
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.3/-0.3				
S=1.5H	0.4/-0.5					0.5/-0.5				
S=2.0H	0.6/-0.6					0.7/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.6					2.5				

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

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	1668.86	1668.86	1668.86	1668.86
γ 1.0	1671.43	1663.57	1668.45	1656.22
γ 2.0	1667.17	1660.04	1662.89	1648.19
γ 3.0	1663.10	1654.95	1653.02	1637.42
γ 4.0	1652.51	1642.41	1641.61	1622.25
γ 5.0	1641.34	1631.33	1626.41	1608.57
γ 6.0	1624.43	1614.47	1608.71	1586.73
γ 7.0	1603.79	1592.40	1583.17	1562.88
γ 8.0	1577.69	1566.86	1552.19	1533.69
γ 9.0	1545.61	1537.88	1519.32	1502.11
γ 10.0	1509.98	1505.87	1483.30	1462.79
γ 11.0	1470.57	1469.78	1444.97	1421.80
γ 12.0	1426.55	1424.82	1399.26	1374.33
γ 13.0	1380.30	1378.37	1352.03	1324.95
γ 14.0	1331.51	1326.96	1300.33	1275.81
γ 15.0	1281.98	1276.89	1246.29	1228.36
γ 16.0	1234.22	1221.21	1185.44	1175.57
γ 17.0	1183.54	1164.34	1119.98	1121.03
γ 18.0	1127.31	1100.65	1044.81	1059.14
γ 19.0	1060.80	1034.01	964.48	987.81
γ 20.0	987.70	960.56	883.22	910.69
γ 21.0	910.17	884.96	804.02	832.93
γ 22.0	831.35	806.68	725.93	757.37
γ 23.0	754.71	731.94	650.78	685.16
γ 24.0	681.18	659.24	577.22	614.06
γ 25.0	612.71	588.02	506.85	540.75
γ 26.0	546.00	515.43	445.40	470.87
γ 27.0	482.47	450.61	392.91	414.30
γ 28.0	427.81	395.24	345.93	364.65
γ 29.0	379.54	347.88	303.50	318.90
γ 30.0	335.03	305.25	265.79	278.50
γ 31.0	294.10	268.94	233.26	244.58
γ 32.0	258.68	237.60	204.93	215.11
γ 33.0	227.92	210.08	180.41	188.97
γ 34.0	201.27	184.86	158.95	165.65
γ 35.0	178.26	163.37	140.23	146.77
γ 36.0	158.68	144.83	124.14	130.30
γ 37.0	141.38	129.62	110.33	116.69
γ 38.0	126.68	116.37	98.42	104.65
γ 39.0	113.88	105.10	87.76	94.28
γ 40.0	102.76	94.69	77.93	84.68
γ 41.0	92.78	85.35	68.49	75.55
γ 42.0	83.23	76.12	59.36	66.79
γ 43.0	74.14	67.20	51.95	58.87
γ 44.0	65.76	59.31	46.65	52.55
γ 45.0	58.98	53.34	43.46	48.04
γ 46.0	53.91	49.26	41.21	45.17

# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	50.51	46.60	39.27	42.89
γ 48.0	47.89	44.21	37.51	40.85
γ 49.0	45.49	42.03	35.84	39.04
γ 50.0	43.28	39.93	34.47	37.32
γ 51.0	41.28	38.18	33.23	35.89
γ 52.0	39.44	36.53	32.09	34.56
γ 53.0	37.75	35.08	31.05	33.35
γ 54.0	36.21	33.67	29.97	32.19
γ 55.0	34.66	32.37	28.97	31.06
γ 56.0	33.16	31.04	28.01	29.96
γ 57.0	31.77	29.92	27.12	28.99
γ 58.0	30.51	28.81	26.28	28.05
γ 59.0	29.30	27.82	25.46	27.20
γ 60.0	28.20	26.82	24.60	26.37
γ 61.0	27.19	25.85	23.66	25.46
γ 62.0	26.14	24.76	22.61	24.52
γ 63.0	24.98	23.57	21.49	23.48
γ 64.0	23.79	22.25	20.36	22.35
γ 65.0	22.52	21.03	19.30	21.24
γ 66.0	21.35	19.81	18.27	20.17
γ 67.0	20.20	18.70	17.30	19.15
γ 68.0	19.14	17.61	16.34	18.16
γ 69.0	18.11	16.62	15.44	17.21
γ 70.0	17.13	15.64	14.60	16.31
γ 71.0	16.22	14.74	13.79	15.44
γ 72.0	15.35	13.87	12.99	14.62
γ 73.0	14.50	13.05	12.22	13.83
γ 74.0	13.74	12.26	11.49	13.05
γ 75.0	12.96	11.51	10.82	12.31
γ 76.0	12.23	10.78	10.13	11.60
γ 77.0	11.52	10.11	9.49	10.91
γ 78.0	10.84	9.43	8.87	10.25
γ 79.0	10.19	8.81	8.26	9.61
γ 80.0	9.56	8.19	7.68	8.99
γ 81.0	8.95	7.61	7.14	8.40
γ 82.0	8.36	7.04	6.59	7.82
γ 83.0	7.78	6.51	6.09	7.25
γ 84.0	7.22	5.98	5.59	6.70
γ 85.0	6.68	5.49	5.12	6.18
γ 86.0	6.16	5.01	4.66	5.68
γ 87.0	5.67	4.56	4.30	5.22
γ 88.0	5.22	4.19	4.09	4.87
γ 89.0	4.89	4.03	4.00	4.68
γ 90.0	4.71	3.92	3.91	4.56
γ 91.0	4.59	3.86	3.83	4.46
γ 92.0	4.49	3.78	3.76	4.37
γ 93.0	4.40	3.71	3.70	4.28



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.32	3.64	3.63	4.19
γ 95.0	4.23	3.58	3.57	4.11
γ 96.0	4.15	3.51	3.52	4.04
γ 97.0	4.08	3.46	3.47	3.97
γ 98.0	4.01	3.39	3.42	3.90
γ 99.0	3.92	3.35	3.37	3.85
γ 100.0	3.86	3.29	3.33	3.79
γ 101.0	3.79	3.25	3.29	3.73
γ 102.0	3.73	3.20	3.26	3.68
γ 103.0	3.67	3.15	3.22	3.63
γ 104.0	3.63	3.11	3.20	3.59
γ 105.0	3.56	3.07	3.17	3.55
γ 106.0	3.52	3.04	3.15	3.51
γ 107.0	3.47	3.00	3.13	3.47
γ 108.0	3.42	2.97	3.11	3.45
γ 109.0	3.38	2.95	3.10	3.43
γ 110.0	3.35	2.92	3.09	3.39
γ 111.0	3.31	2.91	3.09	3.39
γ 112.0	3.29	2.89	3.09	3.37
γ 113.0	3.27	2.88	3.10	3.37
γ 114.0	3.25	2.87	3.10	3.36
γ 115.0	3.23	2.87	3.12	3.37
γ 116.0	3.23	2.89	3.14	3.37
γ 117.0	3.23	2.89	3.17	3.39
γ 118.0	3.23	2.91	3.20	3.41
γ 119.0	3.24	2.94	3.25	3.43
γ 120.0	3.25	2.96	3.29	3.47
γ 121.0	3.28	3.01	3.34	3.52
γ 122.0	3.31	3.04	3.40	3.56
γ 123.0	3.35	3.08	3.47	3.63
γ 124.0	3.40	3.15	3.55	3.68
γ 125.0	3.45	3.22	3.63	3.75
γ 126.0	3.52	3.29	3.72	3.83
γ 127.0	3.58	3.36	3.82	3.90
γ 128.0	3.65	3.45	3.91	4.00
γ 129.0	3.74	3.55	4.01	4.09
γ 130.0	3.83	3.63	4.12	4.19
γ 131.0	3.93	3.75	4.24	4.29
γ 132.0	4.02	3.86	4.36	4.41
γ 133.0	4.14	3.97	4.49	4.52
γ 134.0	4.25	4.10	4.63	4.65
γ 135.0	4.36	4.22	4.76	4.77
γ 136.0	4.49	4.35	4.90	4.90
γ 137.0	4.62	4.48	5.04	5.04
γ 138.0	4.76	4.62	5.18	5.17
γ 139.0	4.90	4.76	5.34	5.31
γ 140.0	5.04	4.90	5.48	5.45

# IES Indoor Report

Photometric Filename:MD10-13-XX-05 3000K RA90 38D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.17	5.05	5.63	5.60
γ 142.0	5.32	5.19	5.78	5.74
γ 143.0	5.48	5.35	5.93	5.88
γ 144.0	5.63	5.49	6.08	6.02
γ 145.0	5.76	5.65	6.23	6.15
γ 146.0	5.92	5.78	6.36	6.29
γ 147.0	6.07	5.94	6.51	6.41
γ 148.0	6.20	6.07	6.64	6.55
γ 149.0	6.34	6.21	6.80	6.68
γ 150.0	6.48	6.34	6.93	6.81
γ 151.0	6.62	6.49	7.07	6.93
γ 152.0	6.76	6.61	7.18	7.05
γ 153.0	6.88	6.74	7.30	7.16
γ 154.0	7.01	6.87	7.41	7.26
γ 155.0	7.11	6.98	7.53	7.35
γ 156.0	7.22	7.09	7.62	7.46
γ 157.0	7.33	7.19	7.71	7.53
γ 158.0	7.43	7.28	7.79	7.63
γ 159.0	7.50	7.36	7.86	7.68
γ 160.0	7.59	7.45	7.92	7.76
γ 161.0	7.67	7.52	7.97	7.80
γ 162.0	7.74	7.59	8.03	7.85
γ 163.0	7.79	7.66	8.07	7.89
γ 164.0	7.83	7.70	8.10	7.93
γ 165.0	7.89	7.75	8.13	7.96
γ 166.0	7.95	7.80	8.16	7.99
γ 167.0	7.98	7.84	8.19	8.01
γ 168.0	8.01	7.88	8.21	8.04
γ 169.0	8.05	7.91	8.23	8.06
γ 170.0	8.09	7.94	8.25	8.10
γ 171.0	8.13	7.98	8.28	8.12
γ 172.0	8.17	8.00	8.30	8.14
γ 173.0	8.20	8.03	8.33	8.15
γ 174.0	8.24	8.07	8.35	8.19
γ 175.0	8.27	8.11	8.36	8.21
γ 176.0	8.30	8.14	8.39	8.23
γ 177.0	8.34	8.17	8.39	8.25
γ 178.0	8.37	8.20	8.42	8.27
γ 179.0	8.40	8.21	8.44	8.28
γ 180.0	8.37	8.37	8.37	8.37