

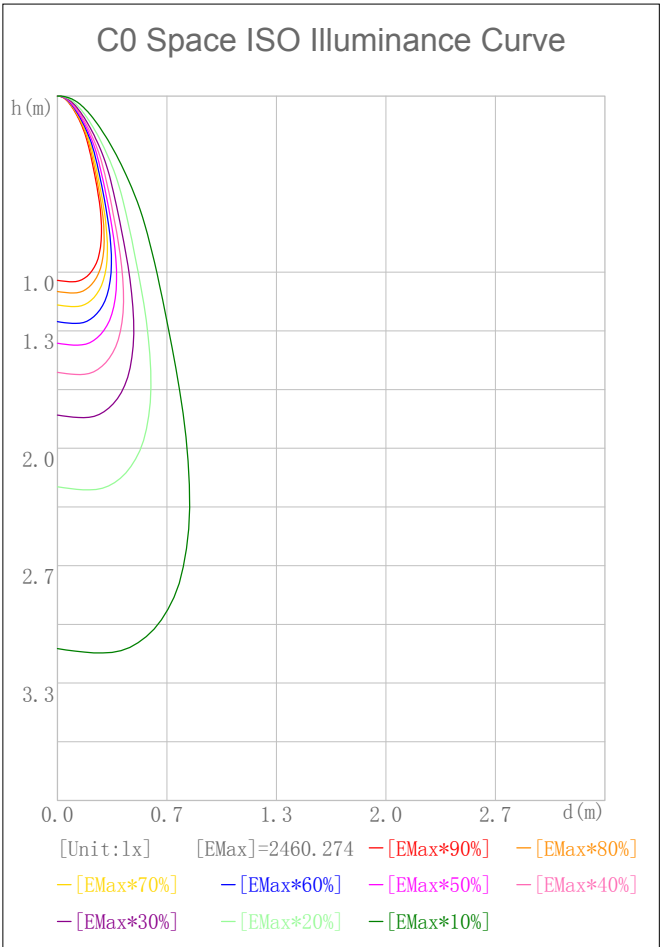
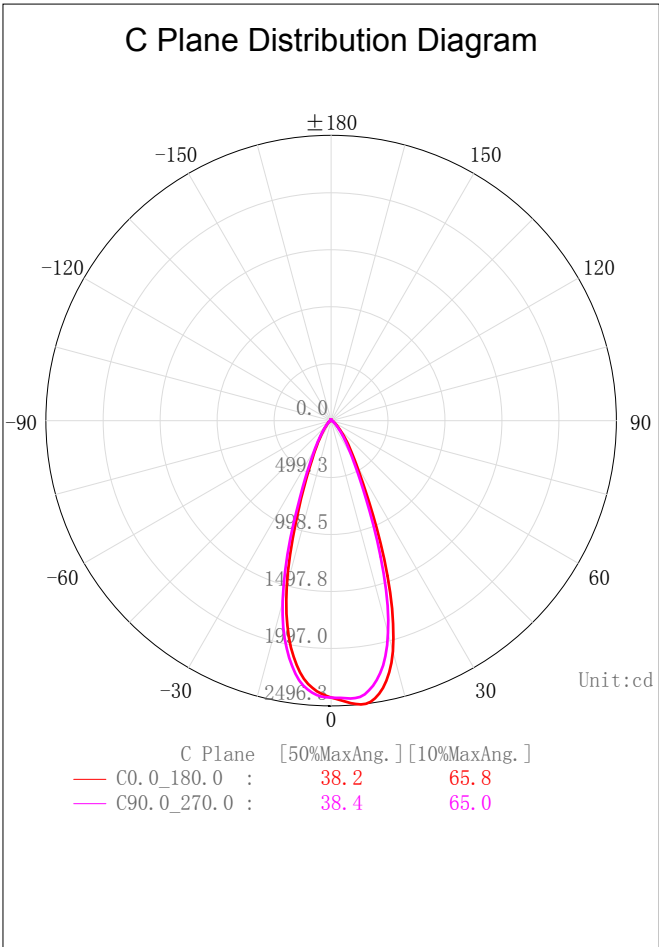
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-03 4000K RA90 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/23
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*0.650m	Lum. Area (m2):0.035	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1274.800	Luminary Flux(lm): 1274.802	Field Angle(10%Imax): 65.8(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1242.148lm 97.44%
Rated Voltage(V):	Luminary EER(lm/W): 102.724	Up Lumens&Percent: 32.654lm 2.56%
Tested Power(W): 12.410	Max. Candela(cd): 2496.269	S/MH: C0_a180=0.649 C90_270=0.646
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=6.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.2, 0.054	Beam Angle(50%Imax): 38.2(°)	ErP Φ use(90°): 1127.731lm
Lamp Size (W*L*H):0.050m*0.050m*0.650m	Left=-16.8°, Right=21.4°	IRF(%): 395.202



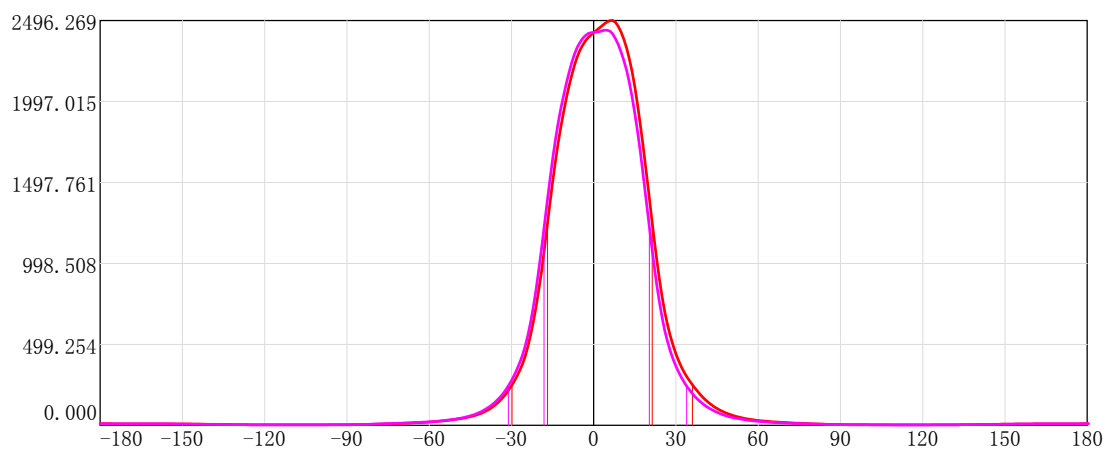
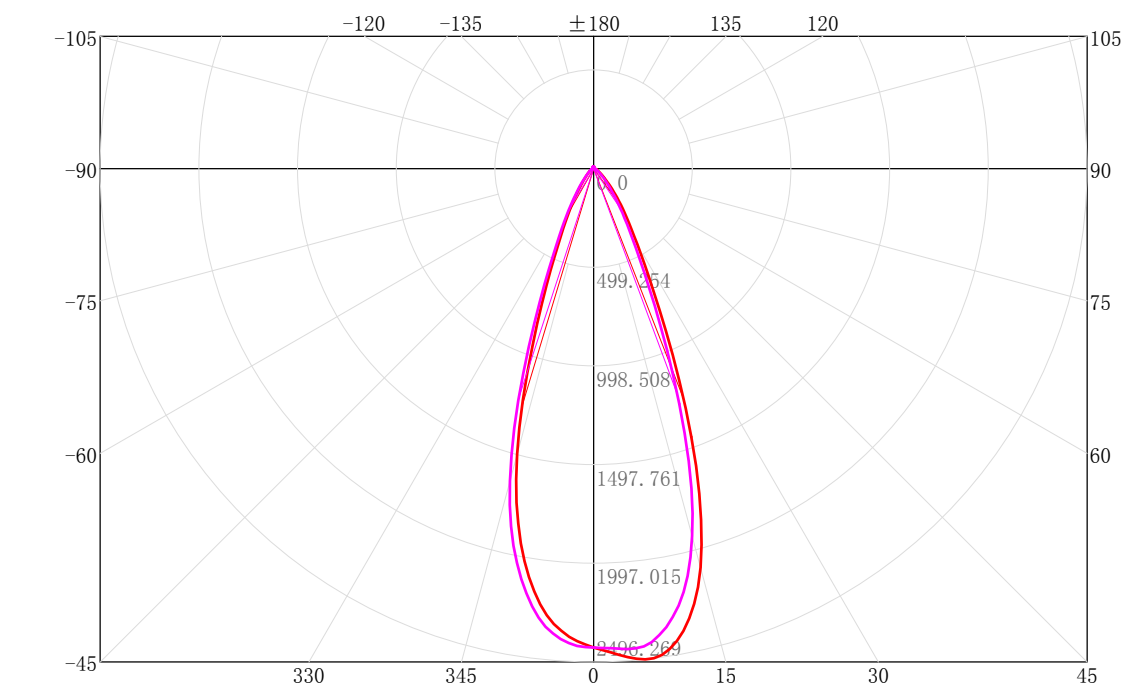
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]  
— C0.0\_180.0 : 38.2 65.8  
— C90.0\_270.0 : 38.4 65.0

Unit:cd

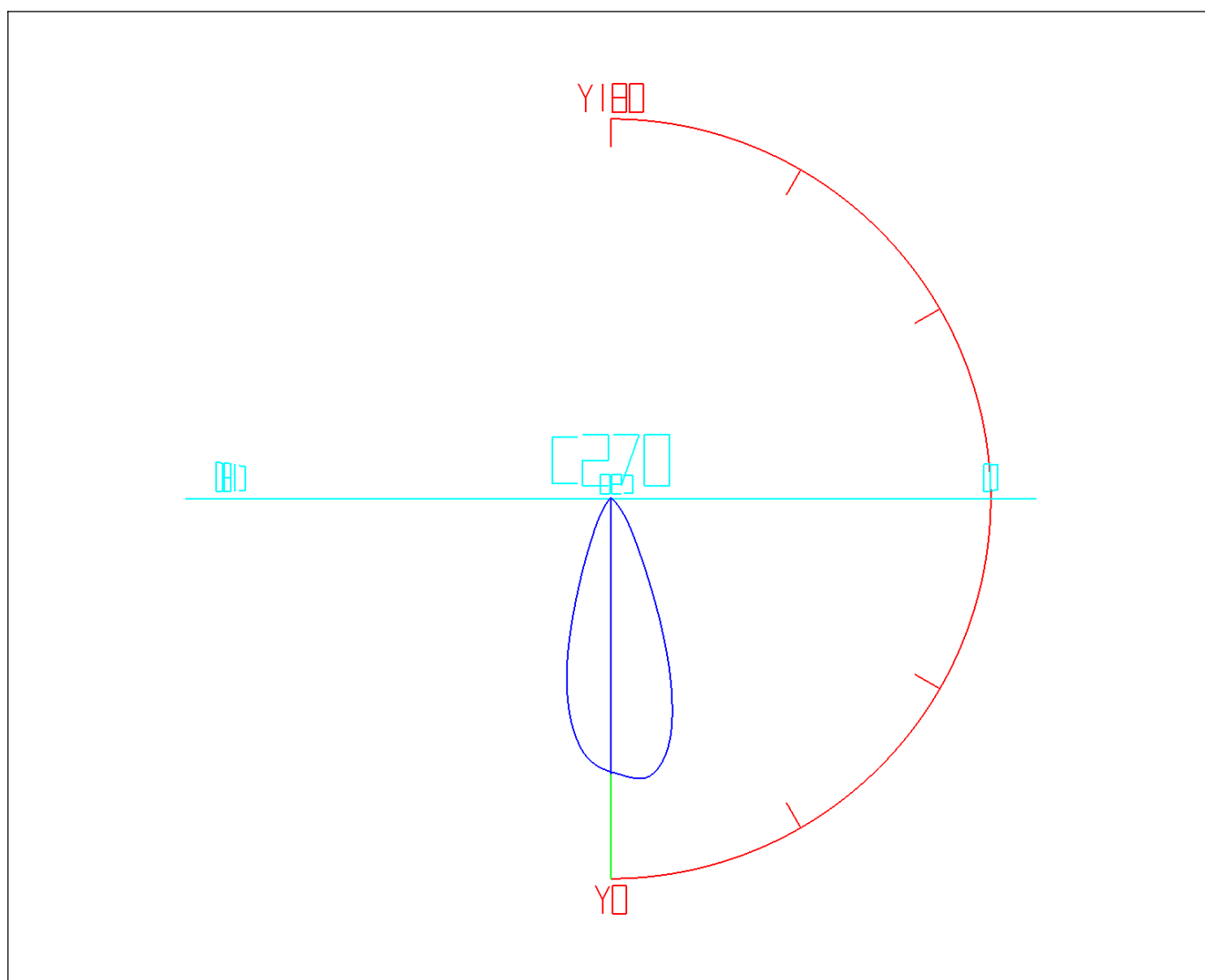
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

## 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

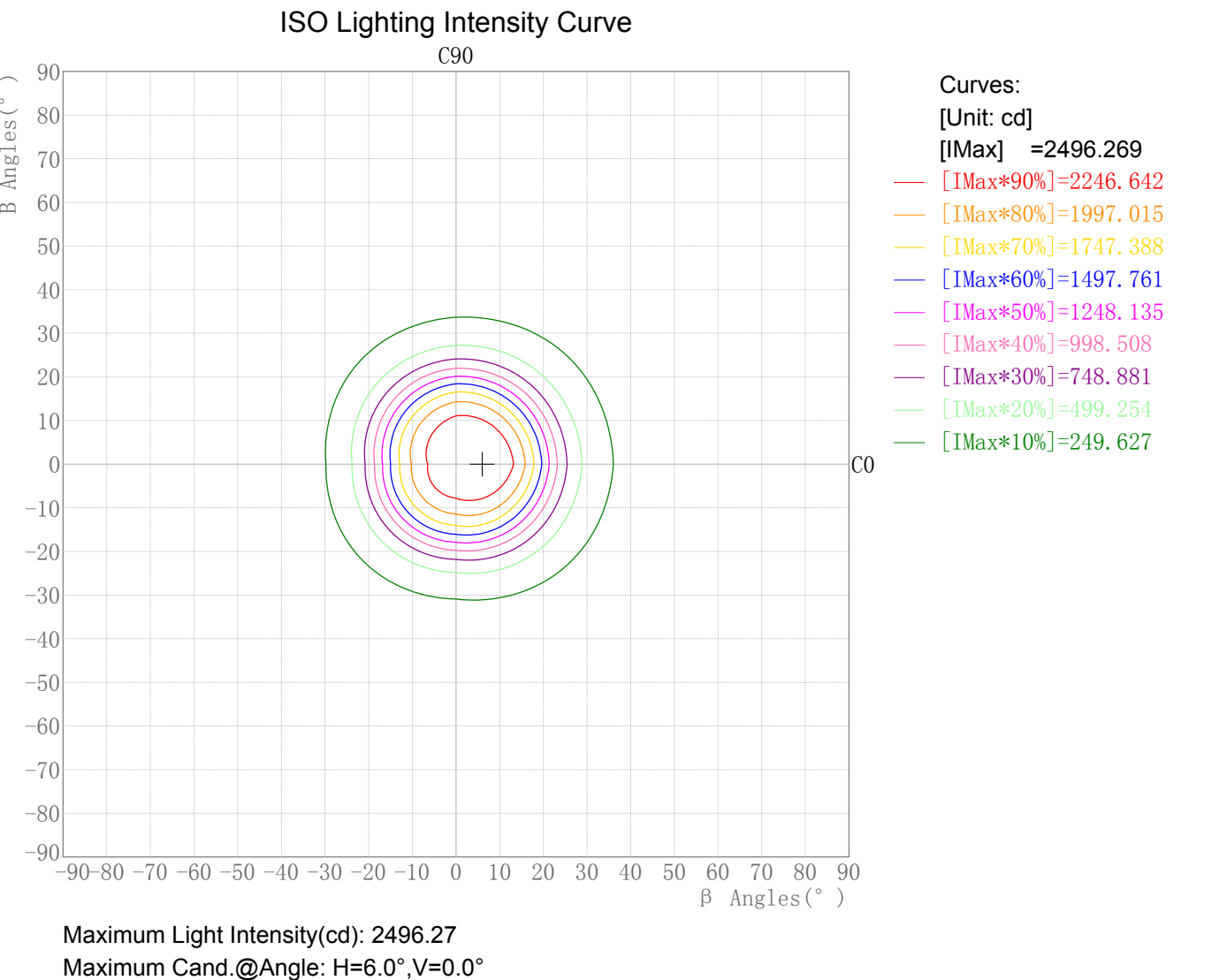
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.32	2.32	0.18	0.18	47.0-48.0	4.85	1163.82	0.38	91.29
1.0-2.0	6.95	9.27	0.55	0.73	48.0-49.0	4.53	1168.36	0.36	91.65
2.0-3.0	11.57	20.84	0.91	1.63	49.0-50.0	4.25	1172.60	0.33	91.98
3.0-4.0	16.16	37.00	1.27	2.90	50.0-51.0	3.99	1176.59	0.31	92.30
4.0-5.0	20.69	57.69	1.62	4.53	51.0-52.0	3.75	1180.34	0.29	92.59
5.0-6.0	25.13	82.82	1.97	6.50	52.0-53.0	3.54	1183.88	0.28	92.87
6.0-7.0	29.40	112.22	2.31	8.80	53.0-54.0	3.34	1187.23	0.26	93.13
7.0-8.0	33.42	145.64	2.62	11.42	54.0-55.0	3.16	1190.39	0.25	93.38
8.0-9.0	37.15	182.80	2.91	14.34	55.0-56.0	2.98	1193.37	0.23	93.61
9.0-10.0	40.56	223.36	3.18	17.52	56.0-57.0	2.82	1196.19	0.22	93.83
10.0-11.0	43.59	266.95	3.42	20.94	57.0-58.0	2.68	1198.87	0.21	94.04
11.0-12.0	46.18	313.12	3.62	24.56	58.0-59.0	2.54	1201.41	0.20	94.24
12.0-13.0	48.26	361.38	3.79	28.35	59.0-60.0	2.42	1203.83	0.19	94.43
13.0-14.0	49.75	411.13	3.90	32.25	60.0-61.0	2.31	1206.14	0.18	94.61
14.0-15.0	50.54	461.67	3.96	36.22	61.0-62.0	2.21	1208.35	0.17	94.79
15.0-16.0	50.59	512.26	3.97	40.18	62.0-63.0	2.11	1210.46	0.17	94.95
16.0-17.0	49.86	562.12	3.91	44.09	63.0-64.0	2.02	1212.48	0.16	95.11
17.0-18.0	48.42	610.55	3.80	47.89	64.0-65.0	1.93	1214.42	0.15	95.26
18.0-19.0	46.33	656.88	3.63	51.53	65.0-66.0	1.85	1216.27	0.15	95.41
19.0-20.0	43.72	700.59	3.43	54.96	66.0-67.0	1.78	1218.04	0.14	95.55
20.0-21.0	40.78	741.37	3.20	58.16	67.0-68.0	1.70	1219.75	0.13	95.68
21.0-22.0	37.71	779.08	2.96	61.11	68.0-69.0	1.63	1221.38	0.13	95.81
22.0-23.0	34.63	813.70	2.72	63.83	69.0-70.0	1.56	1222.94	0.12	95.93
23.0-24.0	31.63	845.33	2.48	66.31	70.0-71.0	1.50	1224.44	0.12	96.05
24.0-25.0	28.80	874.13	2.26	68.57	71.0-72.0	1.44	1225.88	0.11	96.16
25.0-26.0	26.27	900.40	2.06	70.63	72.0-73.0	1.37	1227.25	0.11	96.27
26.0-27.0	24.04	924.44	1.89	72.52	73.0-74.0	1.31	1228.57	0.10	96.37
27.0-28.0	22.12	946.56	1.73	74.25	74.0-75.0	1.25	1229.82	0.10	96.47
28.0-29.0	20.43	966.99	1.60	75.85	75.0-76.0	1.19	1231.01	0.09	96.57
29.0-30.0	18.91	985.90	1.48	77.34	76.0-77.0	1.14	1232.15	0.09	96.65
30.0-31.0	17.51	1003.41	1.37	78.71	77.0-78.0	1.08	1233.23	0.08	96.74
31.0-32.0	16.22	1019.63	1.27	79.98	78.0-79.0	1.02	1234.25	0.08	96.82
32.0-33.0	15.02	1034.65	1.18	81.16	79.0-80.0	0.97	1235.22	0.08	96.90
33.0-34.0	13.92	1048.57	1.09	82.25	80.0-81.0	0.91	1236.13	0.07	96.97
34.0-35.0	12.91	1061.49	1.01	83.27	81.0-82.0	0.85	1236.98	0.07	97.03
35.0-36.0	11.97	1073.46	0.94	84.21	82.0-83.0	0.79	1237.77	0.06	97.10
36.0-37.0	11.09	1084.55	0.87	85.08	83.0-84.0	0.74	1238.51	0.06	97.15
37.0-38.0	10.27	1094.82	0.81	85.88	84.0-85.0	0.69	1239.20	0.05	97.21
38.0-39.0	9.51	1104.32	0.75	86.63	85.0-86.0	0.65	1239.85	0.05	97.26
39.0-40.0	8.79	1113.11	0.69	87.32	86.0-87.0	0.61	1240.46	0.05	97.31
40.0-41.0	8.13	1121.24	0.64	87.95	87.0-88.0	0.58	1241.04	0.05	97.35
41.0-42.0	7.51	1128.75	0.59	88.54	88.0-89.0	0.56	1241.60	0.04	97.40
42.0-43.0	6.96	1135.72	0.55	89.09	89.0-90.0	0.54	1242.15	0.04	97.44
43.0-44.0	6.46	1142.18	0.51	89.60	90.0-91.0	0.53	1242.68	0.04	97.48
44.0-45.0	6.01	1148.18	0.47	90.07	91.0-92.0	0.52	1243.20	0.04	97.52
45.0-46.0	5.59	1153.77	0.44	90.51	92.0-93.0	0.51	1243.71	0.04	97.56
46.0-47.0	5.20	1158.97	0.41	90.91	93.0-94.0	0.50	1244.20	0.04	97.60

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	0.49	1244.69	0.04	97.64	141.0-142.0	0.45	1263.21	0.04	99.09
95.0-96.0	0.48	1245.17	0.04	97.68	142.0-143.0	0.45	1263.67	0.04	99.13
96.0-97.0	0.47	1245.63	0.04	97.71	143.0-144.0	0.45	1264.12	0.04	99.16
97.0-98.0	0.46	1246.09	0.04	97.75	144.0-145.0	0.46	1264.58	0.04	99.20
98.0-99.0	0.45	1246.54	0.04	97.78	145.0-146.0	0.46	1265.04	0.04	99.23
99.0-100.0	0.44	1246.99	0.03	97.82	146.0-147.0	0.46	1265.49	0.04	99.27
100.0-101.0	0.43	1247.42	0.03	97.85	147.0-148.0	0.46	1265.95	0.04	99.31
101.0-102.0	0.43	1247.85	0.03	97.89	148.0-149.0	0.46	1266.41	0.04	99.34
102.0-103.0	0.42	1248.27	0.03	97.92	149.0-150.0	0.45	1266.86	0.04	99.38
103.0-104.0	0.41	1248.68	0.03	97.95	150.0-151.0	0.45	1267.31	0.04	99.41
104.0-105.0	0.41	1249.08	0.03	97.98	151.0-152.0	0.45	1267.76	0.03	99.45
105.0-106.0	0.40	1249.48	0.03	98.01	152.0-153.0	0.44	1268.20	0.03	99.48
106.0-107.0	0.39	1249.88	0.03	98.04	153.0-154.0	0.43	1268.63	0.03	99.52
107.0-108.0	0.39	1250.26	0.03	98.08	154.0-155.0	0.43	1269.06	0.03	99.55
108.0-109.0	0.38	1250.64	0.03	98.11	155.0-156.0	0.42	1269.47	0.03	99.58
109.0-110.0	0.38	1251.02	0.03	98.13	156.0-157.0	0.41	1269.88	0.03	99.61
110.0-111.0	0.37	1251.39	0.03	98.16	157.0-158.0	0.39	1270.27	0.03	99.64
111.0-112.0	0.37	1251.76	0.03	98.19	158.0-159.0	0.38	1270.66	0.03	99.68
112.0-113.0	0.36	1252.12	0.03	98.22	159.0-160.0	0.37	1271.03	0.03	99.70
113.0-114.0	0.36	1252.48	0.03	98.25	160.0-161.0	0.36	1271.38	0.03	99.73
114.0-115.0	0.36	1252.84	0.03	98.28	161.0-162.0	0.34	1271.72	0.03	99.76
115.0-116.0	0.35	1253.20	0.03	98.31	162.0-163.0	0.32	1272.05	0.03	99.78
116.0-117.0	0.35	1253.55	0.03	98.33	163.0-164.0	0.31	1272.36	0.02	99.81
117.0-118.0	0.35	1253.90	0.03	98.36	164.0-165.0	0.29	1272.65	0.02	99.83
118.0-119.0	0.35	1254.25	0.03	98.39	165.0-166.0	0.27	1272.92	0.02	99.85
119.0-120.0	0.35	1254.60	0.03	98.42	166.0-167.0	0.26	1273.18	0.02	99.87
120.0-121.0	0.35	1254.95	0.03	98.44	167.0-168.0	0.24	1273.41	0.02	99.89
121.0-122.0	0.35	1255.30	0.03	98.47	168.0-169.0	0.22	1273.63	0.02	99.91
122.0-123.0	0.35	1255.65	0.03	98.50	169.0-170.0	0.20	1273.83	0.02	99.92
123.0-124.0	0.35	1256.01	0.03	98.53	170.0-171.0	0.18	1274.01	0.01	99.94
124.0-125.0	0.36	1256.36	0.03	98.55	171.0-172.0	0.16	1274.18	0.01	99.95
125.0-126.0	0.36	1256.72	0.03	98.58	172.0-173.0	0.14	1274.32	0.01	99.96
126.0-127.0	0.36	1257.09	0.03	98.61	173.0-174.0	0.13	1274.45	0.01	99.97
127.0-128.0	0.37	1257.45	0.03	98.64	174.0-175.0	0.11	1274.56	0.01	99.98
128.0-129.0	0.37	1257.83	0.03	98.67	175.0-176.0	0.09	1274.64	0.01	99.99
129.0-130.0	0.38	1258.20	0.03	98.70	176.0-177.0	0.07	1274.71	0.01	99.99
130.0-131.0	0.38	1258.59	0.03	98.73	177.0-178.0	0.05	1274.76	0.00	100.00
131.0-132.0	0.39	1258.98	0.03	98.76	178.0-179.0	0.03	1274.79	0.00	100.00
132.0-133.0	0.40	1259.37	0.03	98.79	179.0-180.0	0.01	1274.80	0.00	100.00
133.0-134.0	0.40	1259.77	0.03	98.82					
134.0-135.0	0.41	1260.18	0.03	98.85					
135.0-136.0	0.42	1260.60	0.03	98.89					
136.0-137.0	0.42	1261.02	0.03	98.92					
137.0-138.0	0.43	1261.45	0.03	98.95					
138.0-139.0	0.43	1261.88	0.03	98.99					
139.0-140.0	0.44	1262.32	0.03	99.02					
140.0-141.0	0.44	1262.77	0.03	99.06					

Rectangle ISO Lighting Intensity Diagram

Lum. Name:MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23



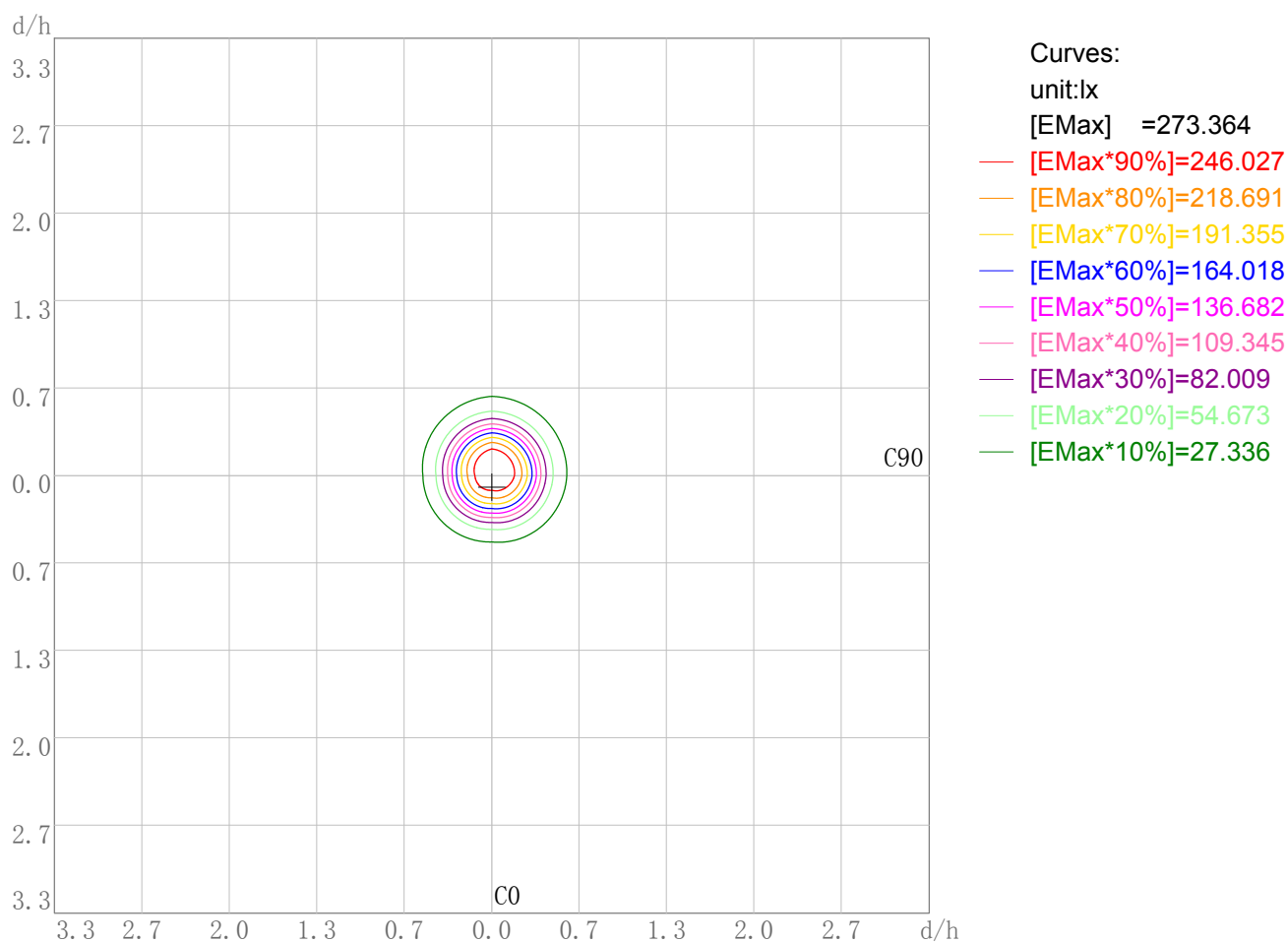
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 273.36

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

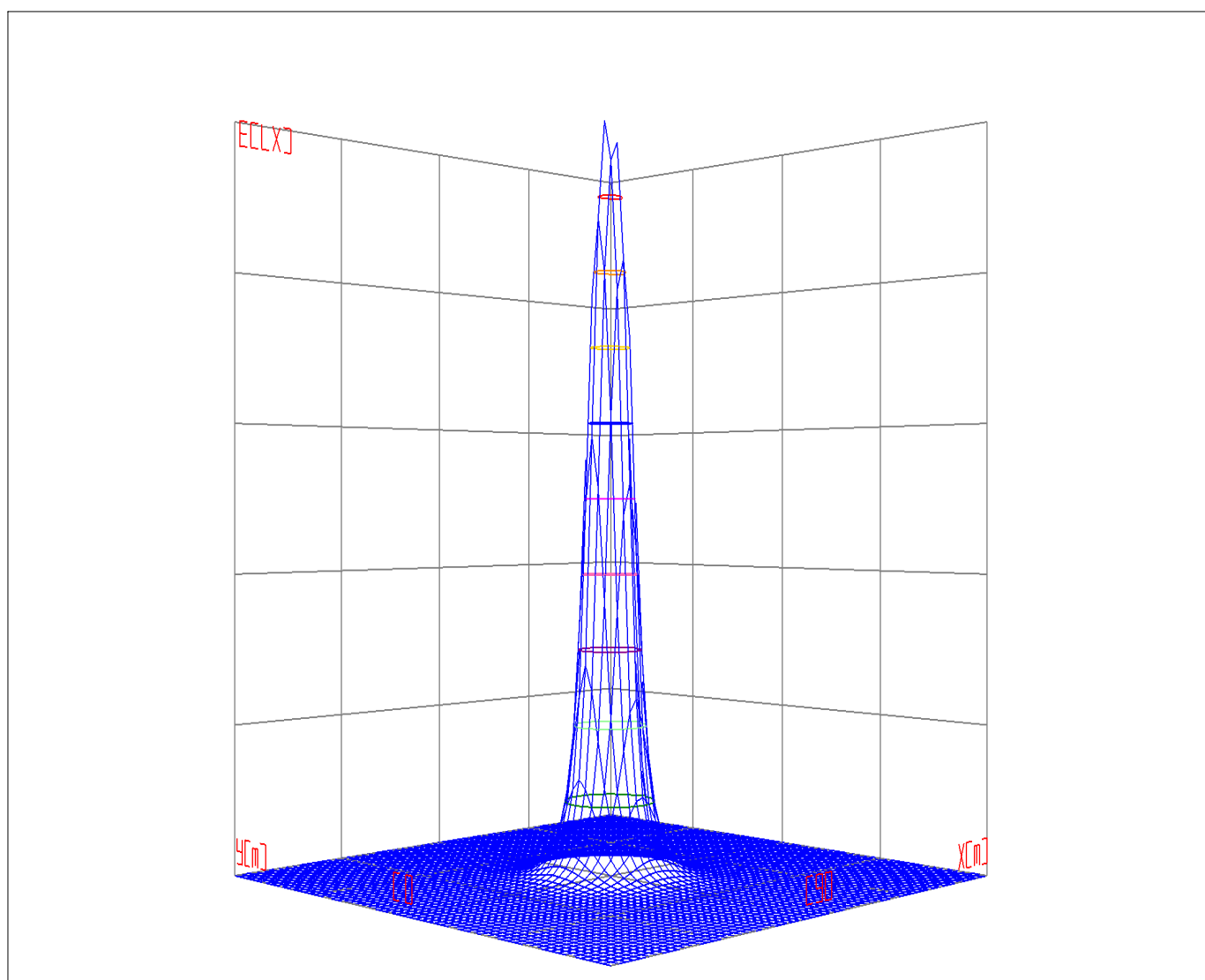
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

## 3D Plane Illuminance Modal



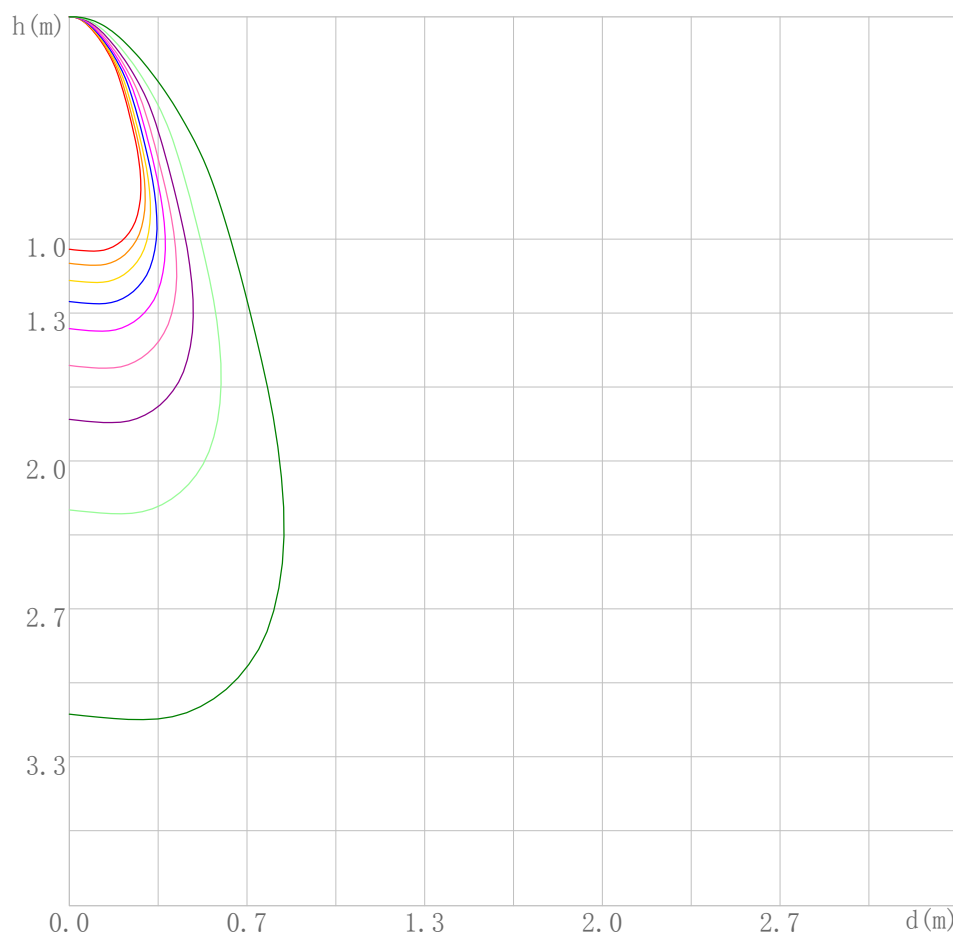
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



## Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

## Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =2460.274

— [EMax\*90%]=2214.246

— [EMax\*80%]=1968.219

— [EMax\*70%]=1722.192

— [EMax\*60%]=1476.164

— [EMax\*50%]=1230.137

— [EMax\*40%]=984.109

— [EMax\*30%]=738.082

— [EMax\*20%]=492.055

— [EMax\*10%]=246.027

Space Plane Maximum Illuminance and @Angle:2460.27lx,5.0deg

Plane Maximum Lighting Intensity and @Angle:2496.269cd,0deg

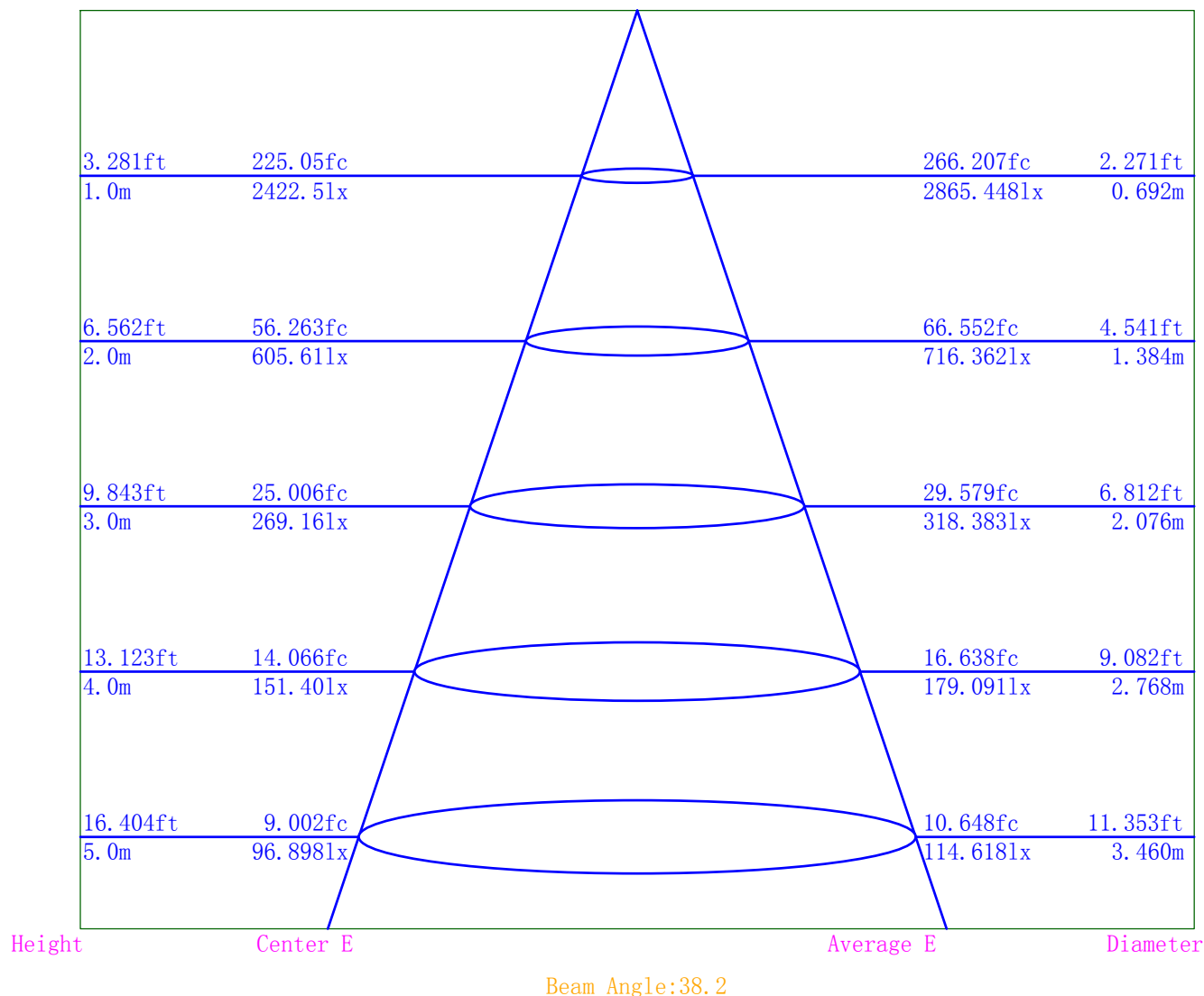
# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23

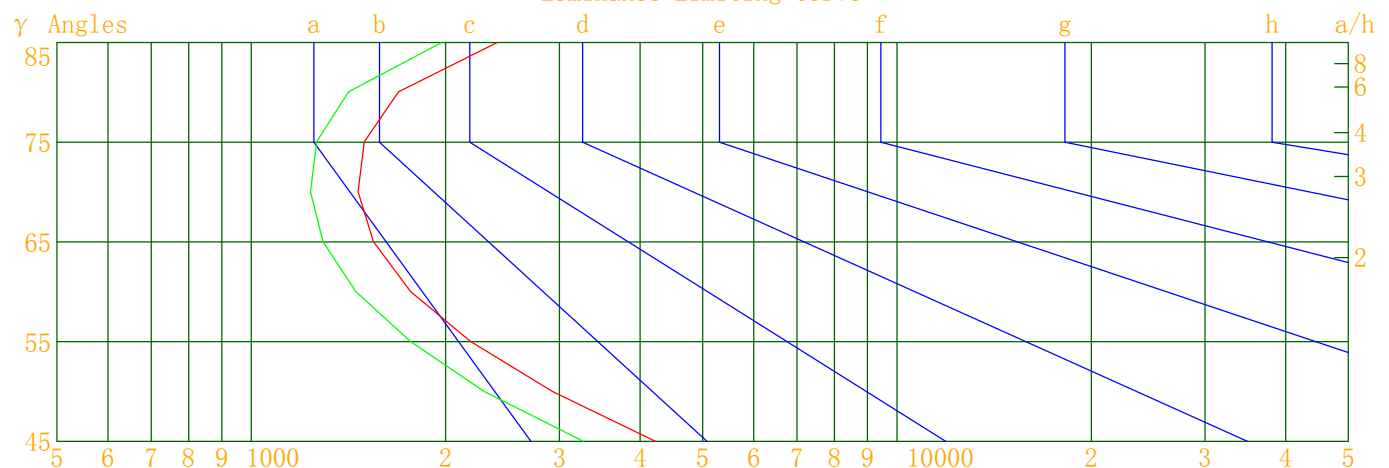
Glare Grade Table

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

Luminance Table

Gama(deg)	45	50	55	60	65	70	75	80	85
C0	4226	2926	2186	1764	1545	1463	1496	1690	2403
C90	3269	2293	1764	1451	1292	1235	1262	1415	1971

Luminance Limiting Curve



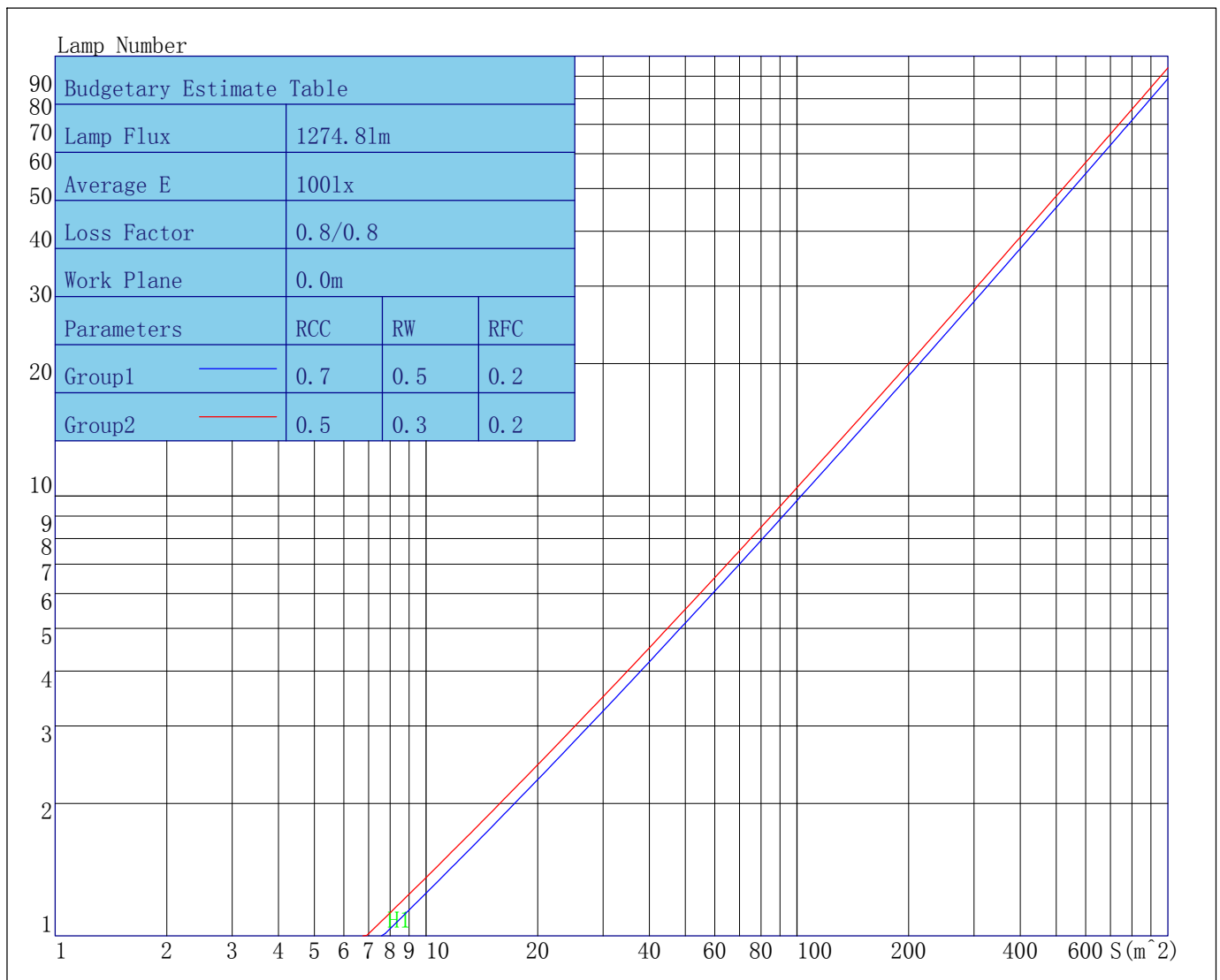
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.650 Area(m<sup>2</sup>)=0.035000  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-03 4000K RA90 36D	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: 2019/12/23



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

Indoor Coefficient of Utilization Table

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID; Lamp Name, Lamp Catalog, Test Lab; Manufacture, Test Machine, Test Date.

Table with 2 main sections: 'Coefficients of Utilization - Zonal Cavity Method' and 'Coefficient of Utilization(%)'. The first section includes RhoCC, RhoW, and RCR values. The second section is a grid of utilization coefficients for different room dimensions and reflectance levels.

Unified Glare Rating Table

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID; Lamp Name, Lamp Catalog, Test Lab; Manufacture, Test Machine, Test Date.

Unified Glare Rating Table

Table with 11 columns for room dimensions and UGR values. Includes sections for variations with observer position and reduced UGR table.

to 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	2422.45	2422.45	2422.45	2422.45
γ 1.0	2435.01	2425.54	2407.83	2420.91
γ 2.0	2448.43	2426.99	2391.26	2416.10
γ 3.0	2463.13	2431.96	2371.50	2403.23
γ 4.0	2477.32	2437.00	2343.14	2385.38
γ 5.0	2488.57	2435.91	2312.30	2360.32
γ 6.0	2496.27	2429.90	2271.44	2330.42
γ 7.0	2495.80	2412.84	2220.14	2288.56
γ 8.0	2484.29	2382.79	2159.26	2236.39
γ 9.0	2460.20	2348.29	2091.76	2174.49
γ 10.0	2426.08	2303.25	2015.95	2107.69
γ 11.0	2382.42	2251.59	1931.31	2031.50
γ 12.0	2326.37	2189.12	1834.51	1950.05
γ 13.0	2259.80	2114.63	1734.31	1856.81
γ 14.0	2182.15	2025.57	1619.62	1753.06
γ 15.0	2089.16	1925.15	1495.41	1636.85
γ 16.0	1979.08	1814.70	1361.93	1507.13
γ 17.0	1857.88	1691.81	1223.02	1372.50
γ 18.0	1729.17	1556.19	1083.92	1233.24
γ 19.0	1590.52	1413.72	952.78	1092.74
γ 20.0	1444.52	1266.78	834.51	958.19
γ 21.0	1298.35	1125.41	730.61	835.65
γ 22.0	1156.85	991.57	638.57	728.74
γ 23.0	1023.56	869.16	557.47	635.38
γ 24.0	900.22	759.49	486.28	554.47
γ 25.0	789.85	663.71	426.08	487.18
γ 26.0	695.18	581.36	376.82	430.71
γ 27.0	614.67	511.98	336.68	383.40
γ 28.0	547.65	454.98	302.05	342.92
γ 29.0	490.88	406.54	271.09	307.48
γ 30.0	441.29	365.03	243.47	275.70
γ 31.0	398.43	328.23	218.04	246.76
γ 32.0	361.23	295.65	195.06	220.76
γ 33.0	328.22	266.91	174.45	197.48
γ 34.0	299.61	241.00	155.76	176.91
γ 35.0	274.20	217.62	139.31	158.65
γ 36.0	250.53	196.42	124.83	142.37
γ 37.0	228.54	177.05	112.18	128.20
γ 38.0	208.15	160.03	101.12	115.49
γ 39.0	188.87	144.69	91.40	104.24
γ 40.0	171.04	130.87	82.88	94.23
γ 41.0	154.58	118.47	75.32	85.32
γ 42.0	139.78	107.55	68.81	77.47
γ 43.0	126.45	97.92	63.29	70.53
γ 44.0	114.89	89.06	58.34	64.39
γ 45.0	104.58	80.91	53.97	58.90
γ 46.0	95.10	73.59	50.11	54.13

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	86.69	66.99	46.66	49.87
γ 48.0	78.97	61.17	43.51	46.29
γ 49.0	71.99	56.01	40.64	43.03
γ 50.0	65.83	51.58	38.07	40.12
γ 51.0	60.44	47.63	35.73	37.53
γ 52.0	55.60	44.21	33.58	35.17
γ 53.0	51.29	41.09	31.61	33.08
γ 54.0	47.43	38.12	29.75	31.15
γ 55.0	43.88	35.41	28.00	29.33
γ 56.0	40.64	32.87	26.34	27.62
γ 57.0	37.82	30.67	24.82	26.07
γ 58.0	35.24	28.71	23.43	24.67
γ 59.0	32.94	26.95	22.19	23.39
γ 60.0	30.87	25.40	21.07	22.24
γ 61.0	29.00	23.97	20.01	21.21
γ 62.0	27.28	22.62	19.03	20.23
γ 63.0	25.68	21.37	18.13	19.30
γ 64.0	24.23	20.20	17.28	18.47
γ 65.0	22.86	19.10	16.47	17.69
γ 66.0	21.63	18.12	15.71	16.93
γ 67.0	20.47	17.19	14.96	16.20
γ 68.0	19.42	16.33	14.26	15.52
γ 69.0	18.45	15.53	13.59	14.87
γ 70.0	17.51	14.78	12.93	14.22
γ 71.0	16.63	14.05	12.31	13.63
γ 72.0	15.81	13.35	11.70	13.01
γ 73.0	15.02	12.70	11.10	12.43
γ 74.0	14.27	12.06	10.51	11.84
γ 75.0	13.55	11.44	9.95	11.27
γ 76.0	12.84	10.83	9.41	10.72
γ 77.0	12.17	10.25	8.90	10.16
γ 78.0	11.52	9.68	8.36	9.64
γ 79.0	10.89	9.13	7.84	9.12
γ 80.0	10.27	8.60	7.30	8.51
γ 81.0	9.68	8.05	6.72	7.97
γ 82.0	9.07	7.50	6.27	7.39
γ 83.0	8.43	6.90	5.85	6.93
γ 84.0	7.83	6.44	5.44	6.49
γ 85.0	7.33	6.01	5.11	6.08
γ 86.0	6.81	5.58	4.81	5.76
γ 87.0	6.38	5.25	4.64	5.48
γ 88.0	6.00	4.93	4.52	5.31
γ 89.0	5.74	4.77	4.41	5.17
γ 90.0	5.56	4.65	4.32	5.05
γ 91.0	5.42	4.55	4.23	4.94
γ 92.0	5.29	4.46	4.15	4.83
γ 93.0	5.17	4.37	4.07	4.73



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.06	4.28	4.01	4.64
γ 95.0	4.95	4.20	3.93	4.55
γ 96.0	4.85	4.13	3.88	4.47
γ 97.0	4.76	4.06	3.82	4.38
γ 98.0	4.66	3.98	3.77	4.32
γ 99.0	4.58	3.93	3.72	4.25
γ 100.0	4.50	3.86	3.68	4.19
γ 101.0	4.41	3.81	3.64	4.13
γ 102.0	4.34	3.75	3.61	4.07
γ 103.0	4.26	3.69	3.58	4.03
γ 104.0	4.20	3.64	3.55	3.98
γ 105.0	4.13	3.59	3.53	3.95
γ 106.0	4.07	3.54	3.52	3.90
γ 107.0	4.00	3.50	3.49	3.88
γ 108.0	3.95	3.45	3.48	3.85
γ 109.0	3.89	3.41	3.48	3.83
γ 110.0	3.85	3.39	3.49	3.81
γ 111.0	3.79	3.36	3.50	3.79
γ 112.0	3.76	3.33	3.50	3.79
γ 113.0	3.72	3.31	3.53	3.79
γ 114.0	3.69	3.30	3.54	3.79
γ 115.0	3.66	3.28	3.58	3.80
γ 116.0	3.63	3.29	3.61	3.83
γ 117.0	3.63	3.29	3.65	3.84
γ 118.0	3.62	3.29	3.70	3.88
γ 119.0	3.61	3.31	3.77	3.92
γ 120.0	3.62	3.33	3.82	3.96
γ 121.0	3.62	3.36	3.90	4.00
γ 122.0	3.63	3.39	3.99	4.08
γ 123.0	3.66	3.43	4.08	4.15
γ 124.0	3.69	3.49	4.20	4.24
γ 125.0	3.73	3.55	4.30	4.33
γ 126.0	3.78	3.62	4.44	4.44
γ 127.0	3.84	3.70	4.58	4.56
γ 128.0	3.91	3.79	4.72	4.69
γ 129.0	3.99	3.89	4.89	4.83
γ 130.0	4.08	4.00	5.05	4.97
γ 131.0	4.18	4.14	5.23	5.12
γ 132.0	4.30	4.26	5.41	5.29
γ 133.0	4.42	4.42	5.60	5.45
γ 134.0	4.56	4.57	5.80	5.64
γ 135.0	4.71	4.74	5.99	5.81
γ 136.0	4.87	4.91	6.19	6.02
γ 137.0	5.04	5.10	6.39	6.20
γ 138.0	5.22	5.29	6.59	6.38
γ 139.0	5.40	5.48	6.80	6.58
γ 140.0	5.59	5.68	7.01	6.78

# IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 36D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.79	5.89	7.22	6.99
γ 142.0	5.99	6.09	7.43	7.18
γ 143.0	6.19	6.30	7.64	7.37
γ 144.0	6.38	6.50	7.84	7.57
γ 145.0	6.59	6.70	8.03	7.79
γ 146.0	6.80	6.91	8.24	7.96
γ 147.0	7.01	7.12	8.42	8.15
γ 148.0	7.22	7.31	8.61	8.35
γ 149.0	7.42	7.51	8.78	8.52
γ 150.0	7.64	7.71	8.97	8.69
γ 151.0	7.84	7.90	9.13	8.86
γ 152.0	8.03	8.09	9.28	9.02
γ 153.0	8.23	8.26	9.44	9.16
γ 154.0	8.41	8.45	9.57	9.29
γ 155.0	8.60	8.61	9.69	9.42
γ 156.0	8.76	8.78	9.81	9.55
γ 157.0	8.93	8.94	9.91	9.63
γ 158.0	9.10	9.07	10.00	9.72
γ 159.0	9.24	9.21	10.06	9.80
γ 160.0	9.37	9.33	10.11	9.87
γ 161.0	9.49	9.44	10.16	9.92
γ 162.0	9.61	9.54	10.19	9.95
γ 163.0	9.70	9.62	10.19	9.97
γ 164.0	9.78	9.69	10.22	9.99
γ 165.0	9.84	9.74	10.22	9.99
γ 166.0	9.90	9.78	10.21	9.99
γ 167.0	9.94	9.80	10.22	10.00
γ 168.0	9.98	9.83	10.23	10.01
γ 169.0	10.02	9.85	10.23	10.02
γ 170.0	10.06	9.87	10.23	10.04
γ 171.0	10.08	9.90	10.27	10.05
γ 172.0	10.13	9.92	10.28	10.07
γ 173.0	10.18	9.95	10.30	10.10
γ 174.0	10.22	9.99	10.34	10.13
γ 175.0	10.26	10.03	10.36	10.16
γ 176.0	10.31	10.08	10.38	10.19
γ 177.0	10.35	10.13	10.41	10.24
γ 178.0	10.38	10.15	10.42	10.26
γ 179.0	10.42	10.21	10.44	10.27
γ 180.0	10.37	10.37	10.37	10.37