

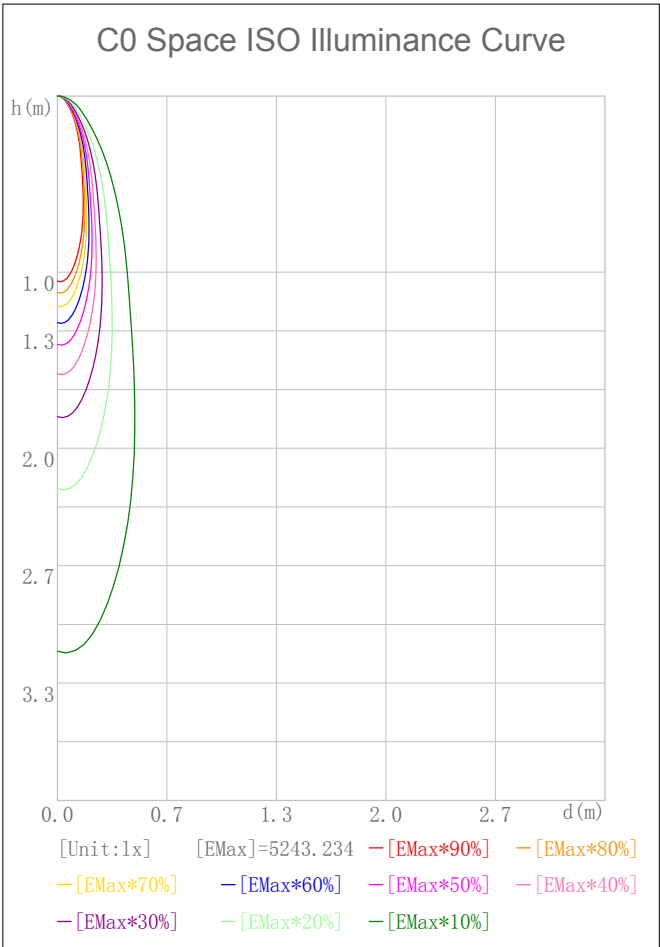
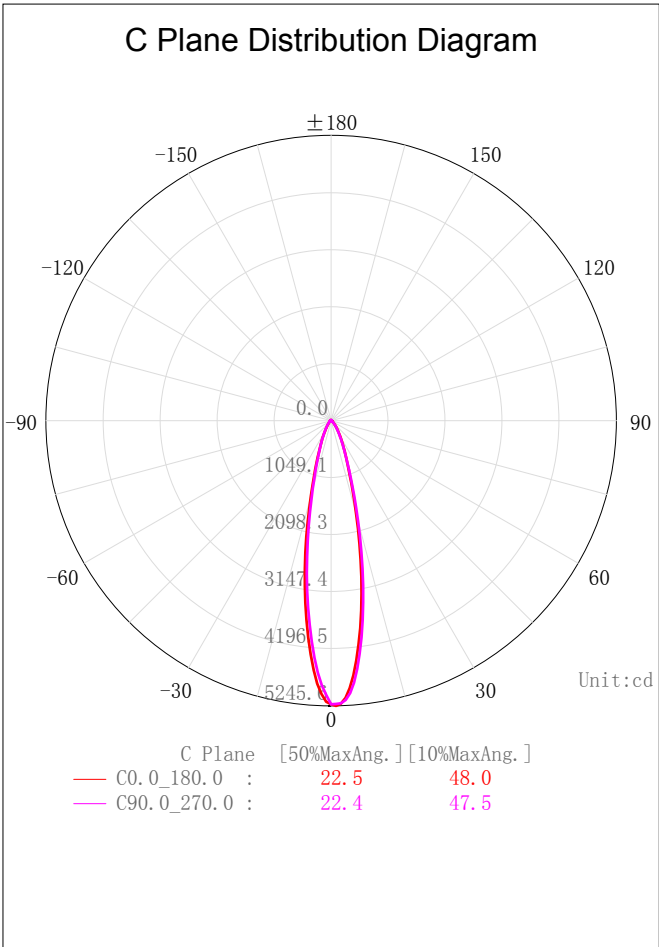
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-01 4000K 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):0.050m*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): 1315.220	Luminary Flux(lm): 1315.219	Field Angle(10%Imax): 48.0(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1280.916lm 97.39%
Rated Voltage(V):	Luminary EER(lm/W): 105.218	Up Lumens&Percent: 34.303lm 2.61%
Tested Power(W): 12.500	Max. Candela(cd): 5245.631	S/MH: C0_a180=0.382 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):240.3, 0.054, 0.951	Beam Angle(50%Imax): 22.5(°)	ErP Φ use(90°): 1198.867lm
Lamp Size(W*L*H):0.050m*0.050m*0.750m	Left=-10.5°, Right=12.0°	IRF(%): 844.151



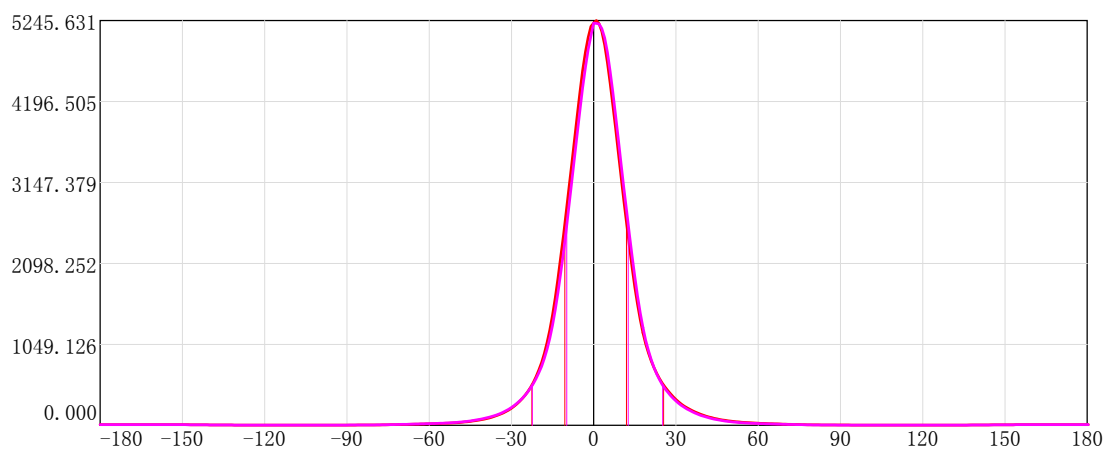
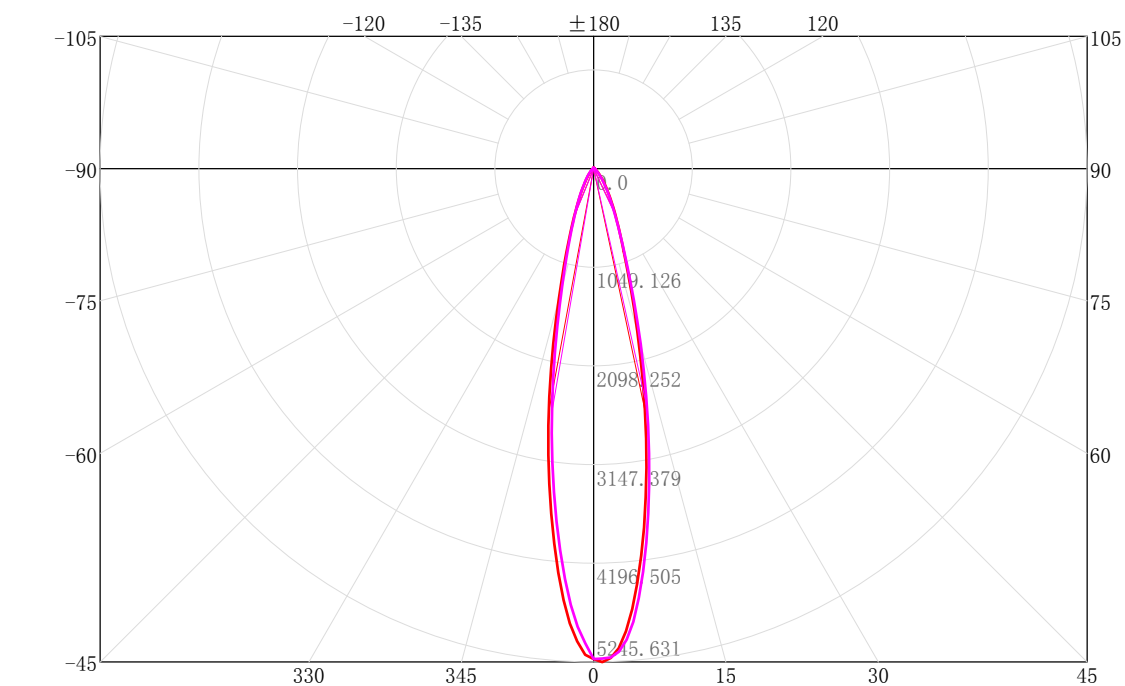
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-01 4000K 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 : 22.5 48.0  
— C90.0\_270.0 : 22.4 47.5

Unit:cd

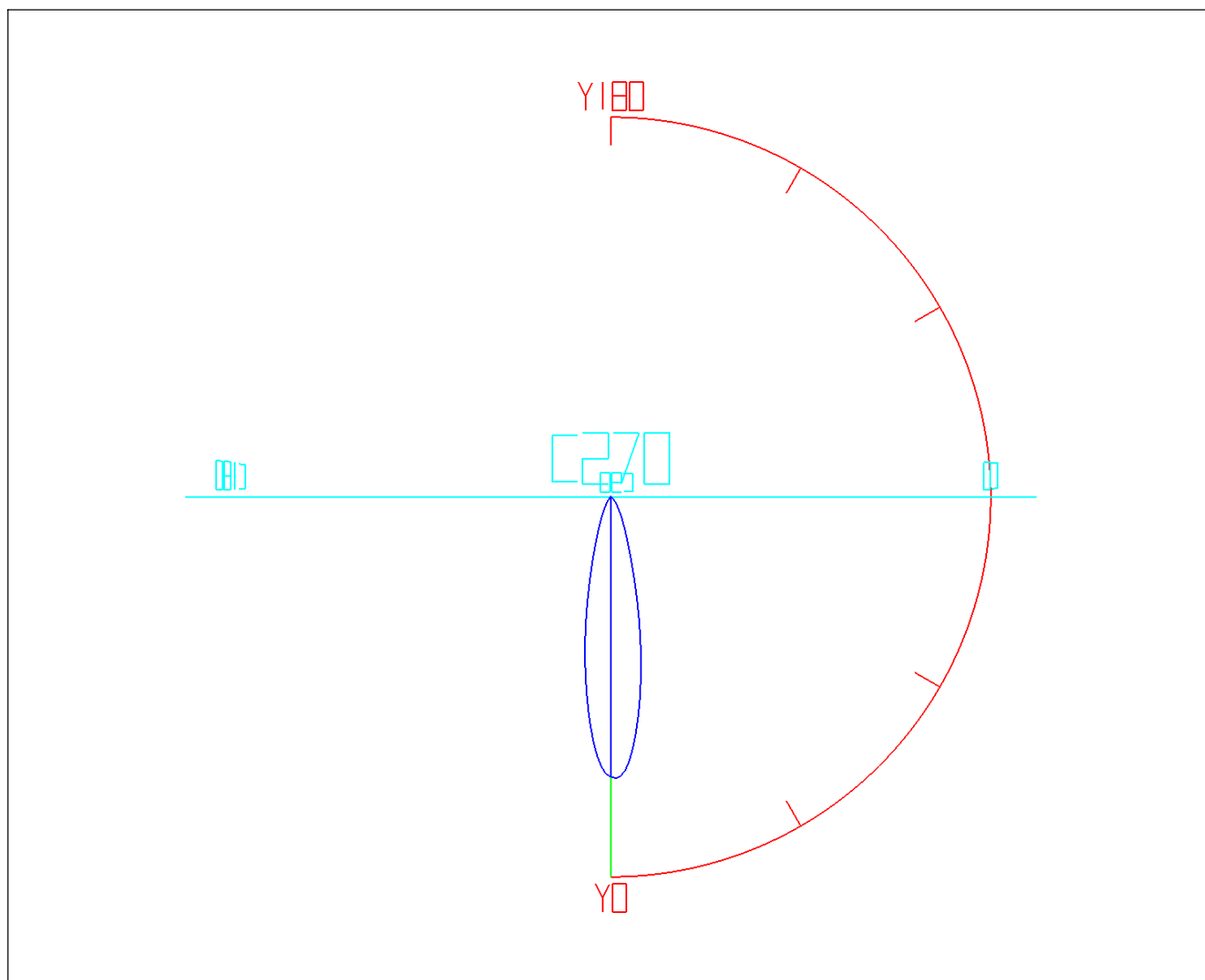
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-01 4000K 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

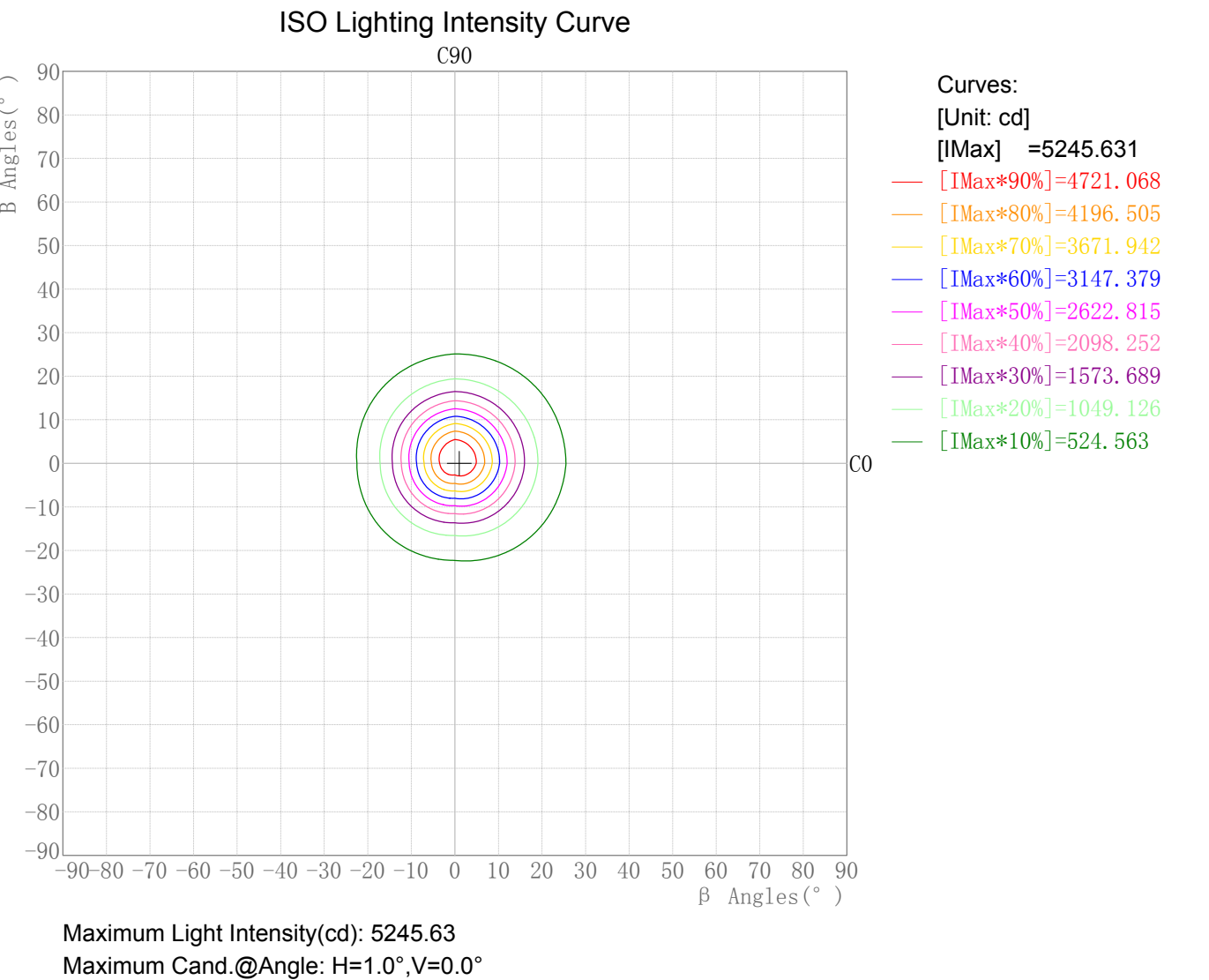
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	4.97	4.97	0.38	0.38	47.0-48.0	4.43	1206.96	0.34	91.77
1.0-2.0	14.70	19.67	1.12	1.50	48.0-49.0	4.15	1211.11	0.32	92.08
2.0-3.0	23.94	43.61	1.82	3.32	49.0-50.0	3.90	1215.01	0.30	92.38
3.0-4.0	32.34	75.95	2.46	5.77	50.0-51.0	3.67	1218.68	0.28	92.66
4.0-5.0	39.62	115.57	3.01	8.79	51.0-52.0	3.47	1222.15	0.26	92.92
5.0-6.0	45.62	161.19	3.47	12.26	52.0-53.0	3.28	1225.43	0.25	93.17
6.0-7.0	50.32	211.51	3.83	16.08	53.0-54.0	3.12	1228.55	0.24	93.41
7.0-8.0	53.72	265.23	4.08	20.17	54.0-55.0	2.97	1231.52	0.23	93.64
8.0-9.0	55.89	321.12	4.25	24.42	55.0-56.0	2.84	1234.35	0.22	93.85
9.0-10.0	56.82	377.93	4.32	28.74	56.0-57.0	2.71	1237.06	0.21	94.06
10.0-11.0	56.61	434.54	4.30	33.04	57.0-58.0	2.60	1239.66	0.20	94.26
11.0-12.0	55.40	489.94	4.21	37.25	58.0-59.0	2.49	1242.15	0.19	94.44
12.0-13.0	53.35	543.29	4.06	41.31	59.0-60.0	2.39	1244.54	0.18	94.63
13.0-14.0	50.63	593.91	3.85	45.16	60.0-61.0	2.30	1246.84	0.17	94.80
14.0-15.0	47.49	641.41	3.61	48.77	61.0-62.0	2.20	1249.04	0.17	94.97
15.0-16.0	44.20	685.61	3.36	52.13	62.0-63.0	2.12	1251.16	0.16	95.13
16.0-17.0	40.92	726.53	3.11	55.24	63.0-64.0	2.03	1253.19	0.15	95.28
17.0-18.0	37.78	764.31	2.87	58.11	64.0-65.0	1.95	1255.14	0.15	95.43
18.0-19.0	34.85	799.16	2.65	60.76	65.0-66.0	1.86	1257.00	0.14	95.57
19.0-20.0	32.20	831.36	2.45	63.21	66.0-67.0	1.77	1258.77	0.13	95.71
20.0-21.0	29.84	861.20	2.27	65.48	67.0-68.0	1.68	1260.45	0.13	95.84
21.0-22.0	27.71	888.91	2.11	67.59	68.0-69.0	1.59	1262.04	0.12	95.96
22.0-23.0	25.77	914.68	1.96	69.55	69.0-70.0	1.51	1263.54	0.11	96.07
23.0-24.0	24.01	938.69	1.83	71.37	70.0-71.0	1.42	1264.97	0.11	96.18
24.0-25.0	22.40	961.09	1.70	73.07	71.0-72.0	1.35	1266.32	0.10	96.28
25.0-26.0	20.91	982.00	1.59	74.66	72.0-73.0	1.27	1267.59	0.10	96.38
26.0-27.0	19.51	1001.51	1.48	76.15	73.0-74.0	1.20	1268.79	0.09	96.47
27.0-28.0	18.19	1019.70	1.38	77.53	74.0-75.0	1.12	1269.90	0.08	96.55
28.0-29.0	16.94	1036.64	1.29	78.82	75.0-76.0	1.03	1270.94	0.08	96.63
29.0-30.0	15.76	1052.40	1.20	80.02	76.0-77.0	0.95	1271.89	0.07	96.71
30.0-31.0	14.66	1067.06	1.11	81.13	77.0-78.0	0.88	1272.77	0.07	96.77
31.0-32.0	13.65	1080.71	1.04	82.17	78.0-79.0	0.82	1273.59	0.06	96.83
32.0-33.0	12.72	1093.43	0.97	83.14	79.0-80.0	0.78	1274.36	0.06	96.89
33.0-34.0	11.86	1105.29	0.90	84.04	80.0-81.0	0.75	1275.11	0.06	96.95
34.0-35.0	11.06	1116.35	0.84	84.88	81.0-82.0	0.73	1275.84	0.06	97.01
35.0-36.0	10.30	1126.66	0.78	85.66	82.0-83.0	0.71	1276.54	0.05	97.06
36.0-37.0	9.60	1136.26	0.73	86.39	83.0-84.0	0.68	1277.23	0.05	97.11
37.0-38.0	8.94	1145.20	0.68	87.07	84.0-85.0	0.66	1277.89	0.05	97.16
38.0-39.0	8.32	1153.52	0.63	87.71	85.0-86.0	0.64	1278.54	0.05	97.21
39.0-40.0	7.75	1161.27	0.59	88.29	86.0-87.0	0.62	1279.16	0.05	97.26
40.0-41.0	7.21	1168.48	0.55	88.84	87.0-88.0	0.60	1279.76	0.05	97.30
41.0-42.0	6.72	1175.20	0.51	89.35	88.0-89.0	0.59	1280.35	0.04	97.35
42.0-43.0	6.26	1181.46	0.48	89.83	89.0-90.0	0.57	1280.92	0.04	97.39
43.0-44.0	5.83	1187.28	0.44	90.27	90.0-91.0	0.55	1281.47	0.04	97.43
44.0-45.0	5.43	1192.72	0.41	90.69	91.0-92.0	0.54	1282.00	0.04	97.47
45.0-46.0	5.07	1197.79	0.39	91.07	92.0-93.0	0.52	1282.53	0.04	97.51
46.0-47.0	4.74	1202.52	0.36	91.43	93.0-94.0	0.51	1283.04	0.04	97.55

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	0.50	1283.54	0.04	97.59	141.0-142.0	0.48	1302.58	0.04	99.04
95.0-96.0	0.49	1284.04	0.04	97.63	142.0-143.0	0.48	1303.06	0.04	99.08
96.0-97.0	0.48	1284.52	0.04	97.67	143.0-144.0	0.49	1303.56	0.04	99.11
97.0-98.0	0.47	1285.00	0.04	97.70	144.0-145.0	0.50	1304.05	0.04	99.15
98.0-99.0	0.47	1285.46	0.04	97.74	145.0-146.0	0.50	1304.55	0.04	99.19
99.0-100.0	0.46	1285.92	0.03	97.77	146.0-147.0	0.50	1305.06	0.04	99.23
100.0-101.0	0.45	1286.37	0.03	97.81	147.0-148.0	0.51	1305.56	0.04	99.27
101.0-102.0	0.44	1286.80	0.03	97.84	148.0-149.0	0.50	1306.06	0.04	99.30
102.0-103.0	0.43	1287.24	0.03	97.87	149.0-150.0	0.50	1306.57	0.04	99.34
103.0-104.0	0.43	1287.67	0.03	97.91	150.0-151.0	0.50	1307.07	0.04	99.38
104.0-105.0	0.42	1288.09	0.03	97.94	151.0-152.0	0.49	1307.56	0.04	99.42
105.0-106.0	0.42	1288.51	0.03	97.97	152.0-153.0	0.49	1308.05	0.04	99.45
106.0-107.0	0.41	1288.91	0.03	98.00	153.0-154.0	0.48	1308.53	0.04	99.49
107.0-108.0	0.40	1289.32	0.03	98.03	154.0-155.0	0.47	1309.00	0.04	99.53
108.0-109.0	0.40	1289.72	0.03	98.06	155.0-156.0	0.46	1309.45	0.03	99.56
109.0-110.0	0.40	1290.12	0.03	98.09	156.0-157.0	0.45	1309.90	0.03	99.60
110.0-111.0	0.39	1290.51	0.03	98.12	157.0-158.0	0.43	1310.33	0.03	99.63
111.0-112.0	0.38	1290.90	0.03	98.15	158.0-159.0	0.42	1310.75	0.03	99.66
112.0-113.0	0.38	1291.27	0.03	98.18	159.0-160.0	0.40	1311.15	0.03	99.69
113.0-114.0	0.38	1291.65	0.03	98.21	160.0-161.0	0.39	1311.54	0.03	99.72
114.0-115.0	0.37	1292.03	0.03	98.24	161.0-162.0	0.37	1311.91	0.03	99.75
115.0-116.0	0.37	1292.40	0.03	98.26	162.0-163.0	0.35	1312.26	0.03	99.78
116.0-117.0	0.37	1292.76	0.03	98.29	163.0-164.0	0.33	1312.60	0.03	99.80
117.0-118.0	0.36	1293.13	0.03	98.32	164.0-165.0	0.32	1312.91	0.02	99.82
118.0-119.0	0.36	1293.49	0.03	98.35	165.0-166.0	0.30	1313.21	0.02	99.85
119.0-120.0	0.36	1293.84	0.03	98.37	166.0-167.0	0.28	1313.48	0.02	99.87
120.0-121.0	0.36	1294.20	0.03	98.40	167.0-168.0	0.26	1313.74	0.02	99.89
121.0-122.0	0.36	1294.56	0.03	98.43	168.0-169.0	0.24	1313.98	0.02	99.91
122.0-123.0	0.36	1294.92	0.03	98.46	169.0-170.0	0.22	1314.19	0.02	99.92
123.0-124.0	0.36	1295.27	0.03	98.48	170.0-171.0	0.20	1314.39	0.01	99.94
124.0-125.0	0.36	1295.63	0.03	98.51	171.0-172.0	0.17	1314.56	0.01	99.95
125.0-126.0	0.36	1295.99	0.03	98.54	172.0-173.0	0.15	1314.72	0.01	99.96
126.0-127.0	0.36	1296.35	0.03	98.57	173.0-174.0	0.13	1314.85	0.01	99.97
127.0-128.0	0.36	1296.71	0.03	98.59	174.0-175.0	0.11	1314.96	0.01	99.98
128.0-129.0	0.37	1297.08	0.03	98.62	175.0-176.0	0.09	1315.05	0.01	99.99
129.0-130.0	0.37	1297.46	0.03	98.65	176.0-177.0	0.07	1315.13	0.01	99.99
130.0-131.0	0.38	1297.84	0.03	98.68	177.0-178.0	0.05	1315.18	0.00	100.00
131.0-132.0	0.39	1298.22	0.03	98.71	178.0-179.0	0.03	1315.21	0.00	100.00
132.0-133.0	0.39	1298.62	0.03	98.74	179.0-180.0	0.01	1315.22	0.00	100.00
133.0-134.0	0.40	1299.02	0.03	98.77					
134.0-135.0	0.41	1299.44	0.03	98.80					
135.0-136.0	0.42	1299.86	0.03	98.83					
136.0-137.0	0.43	1300.29	0.03	98.86					
137.0-138.0	0.44	1300.73	0.03	98.90					
138.0-139.0	0.45	1301.18	0.03	98.93					
139.0-140.0	0.46	1301.64	0.03	98.97					
140.0-141.0	0.47	1302.11	0.04	99.00					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-01 4000K 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



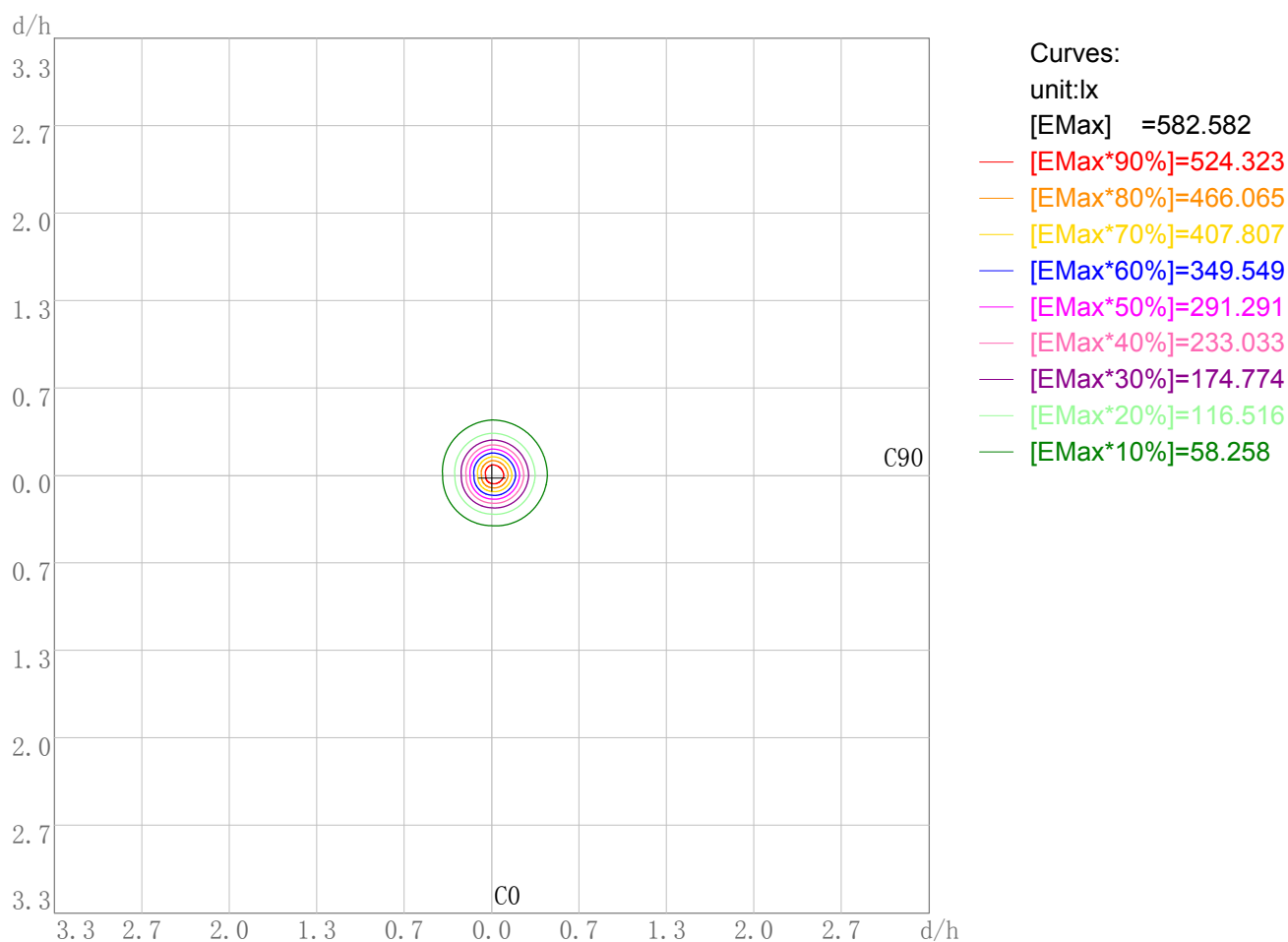
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K 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): 582.58

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

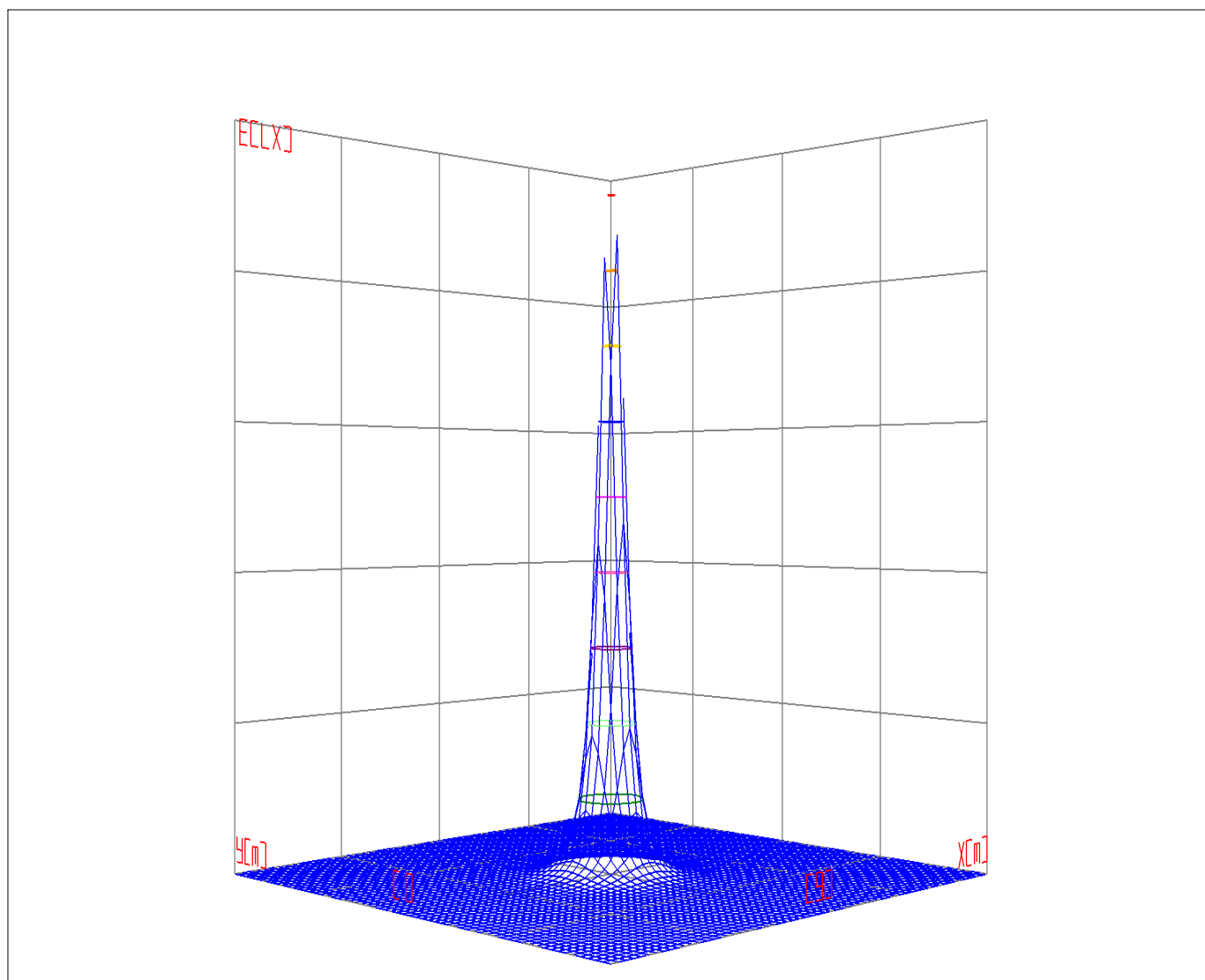
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K 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



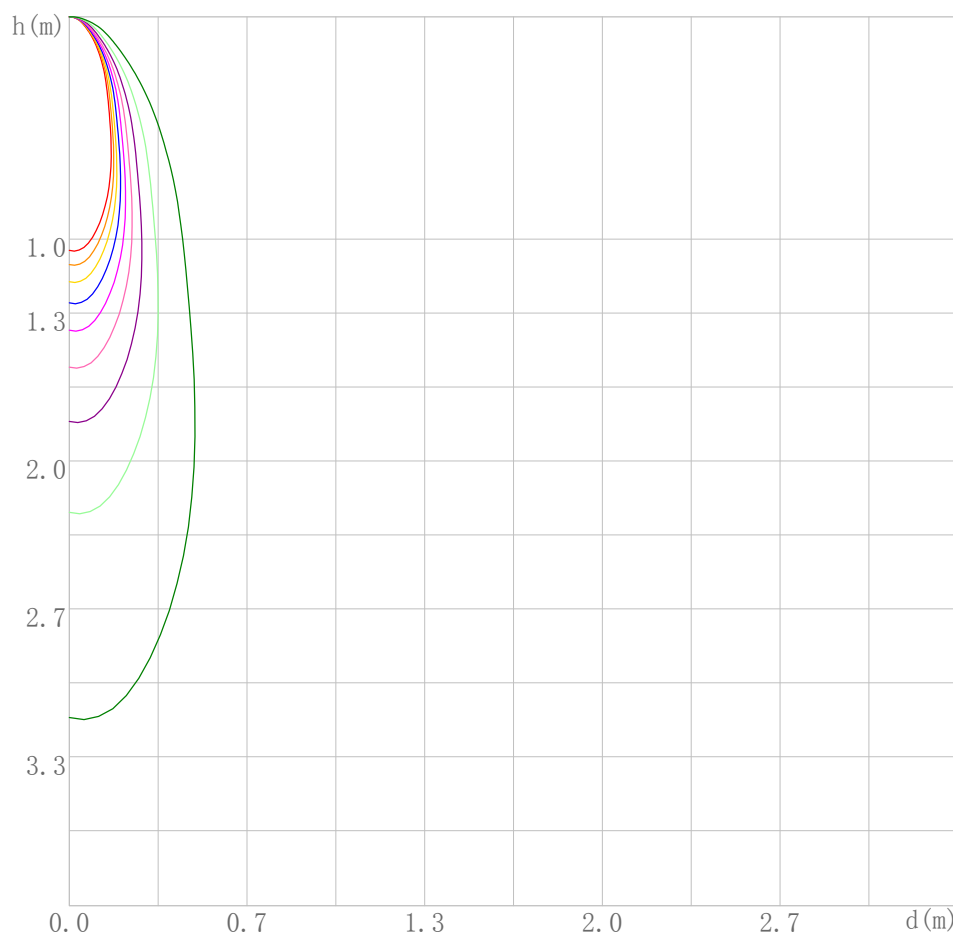
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K 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] =5243.234

— [EMax\*90%]=4718.911

— [EMax\*80%]=4194.588

— [EMax\*70%]=3670.264

— [EMax\*60%]=3145.941

— [EMax\*50%]=2621.617

— [EMax\*40%]=2097.294

— [EMax\*30%]=1572.970

— [EMax\*20%]=1048.647

— [EMax\*10%]=524.323

Space Plane Maximum Illuminance and @Angle:5243.23lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:5245.631cd,0deg

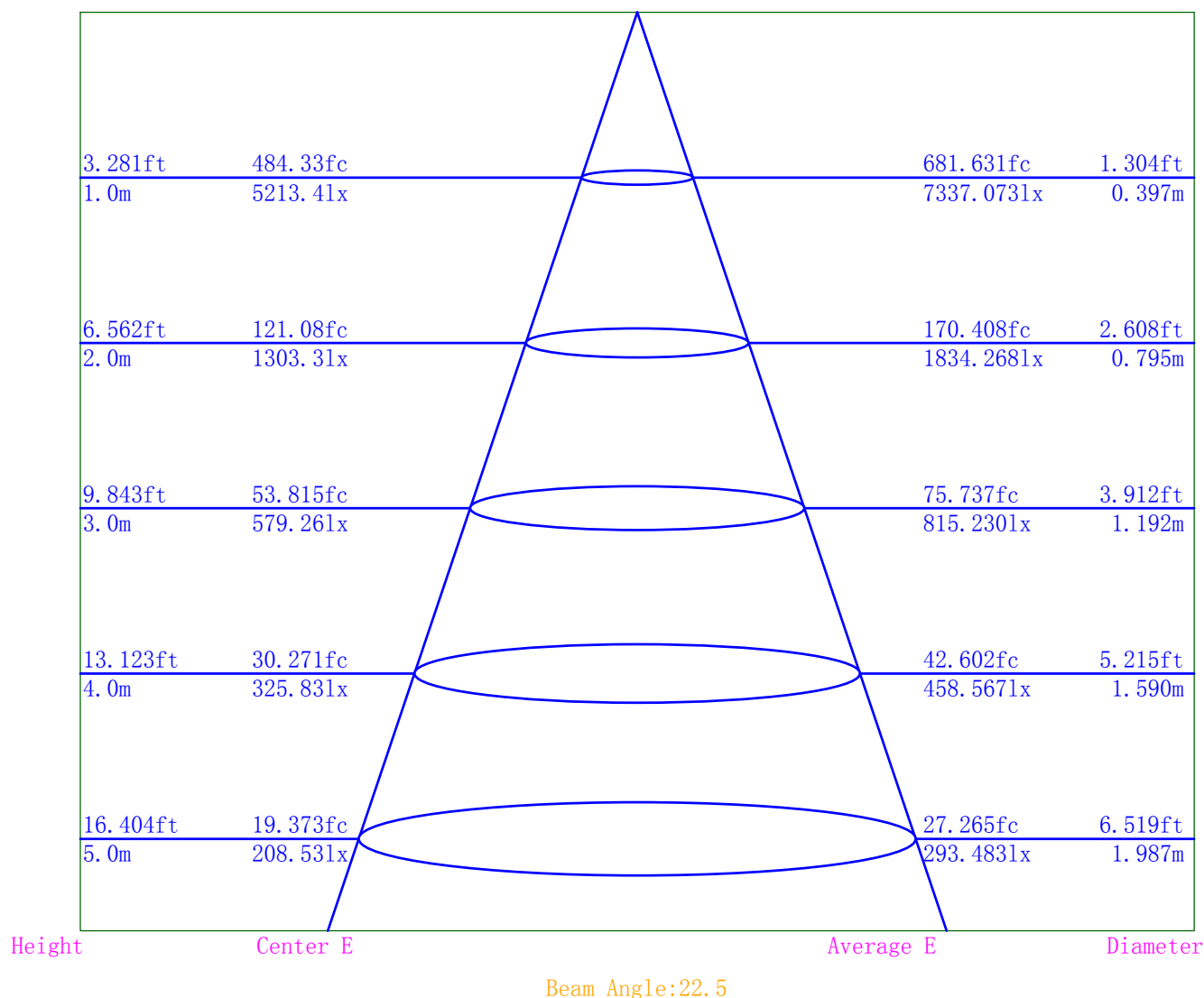
# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-01 4000K 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:MD10-13-XX-01 4000K RA90 15D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-01 4000K 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

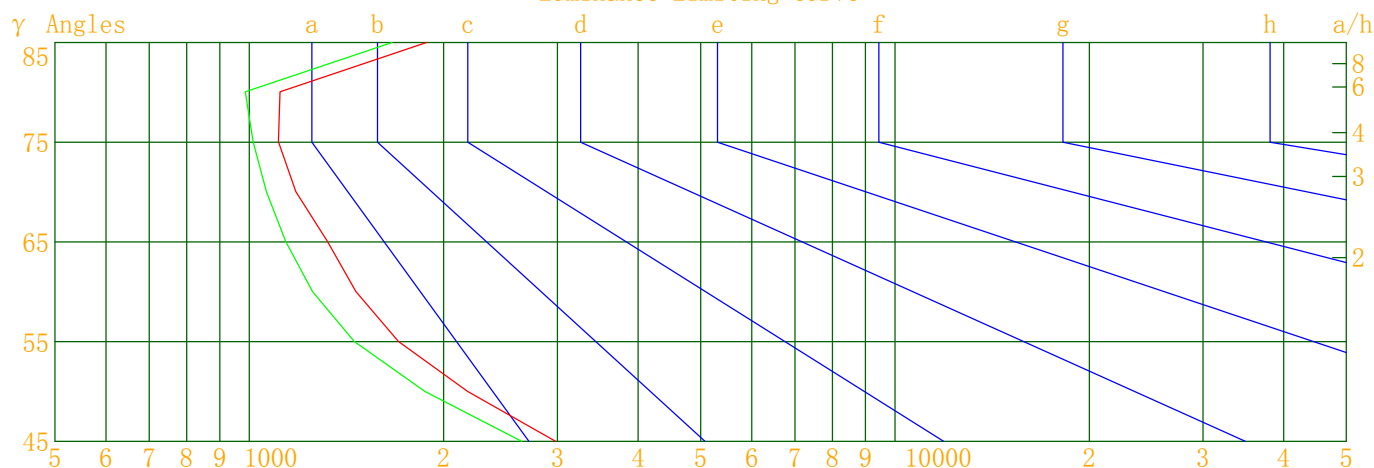
Glare Grade Table

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	2981	2178	1703	1462	1322	1180	1109	1115	1881
C90	2642	1871	1454	1253	1139	1063	1014	985	1663

Luminance Limiting Curve



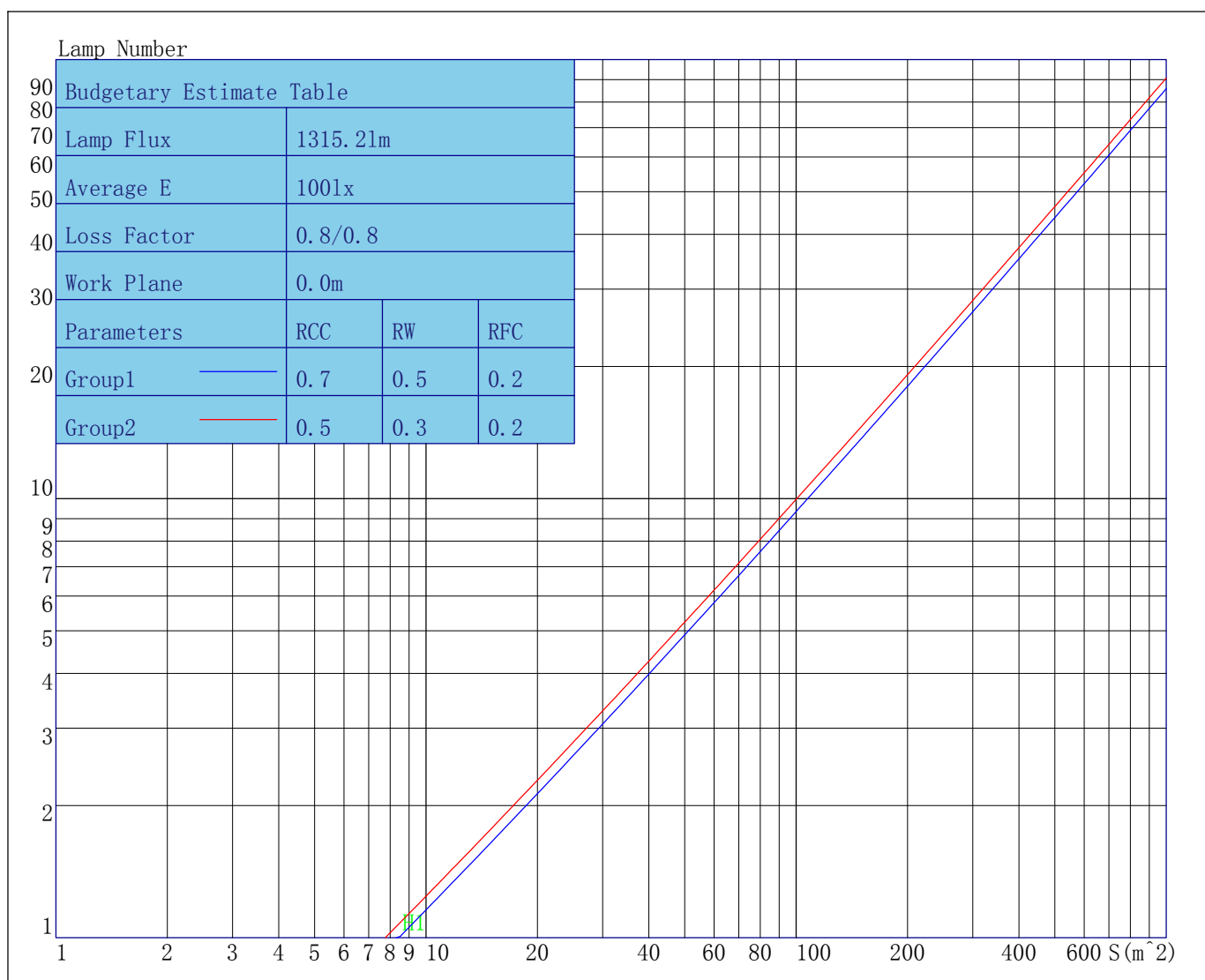
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m^2)=0.040000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-01 4000K 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

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 parameters.

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	5213.36	5213.36	5213.36	5213.36
γ 1.0	5245.63	5208.65	5167.96	5047.35
γ 2.0	5205.19	5200.02	5028.09	4871.73
γ 3.0	5103.78	5142.11	4840.53	4642.88
γ 4.0	4928.58	5019.66	4595.96	4373.19
γ 5.0	4699.60	4835.94	4310.38	4075.34
γ 6.0	4434.90	4589.30	4008.78	3771.10
γ 7.0	4146.94	4316.29	3695.06	3462.80
γ 8.0	3851.71	4017.76	3384.39	3152.23
γ 9.0	3537.30	3711.04	3081.58	2846.44
γ 10.0	3229.27	3395.69	2774.00	2538.24
γ 11.0	2922.34	3087.06	2470.26	2243.58
γ 12.0	2616.63	2780.97	2179.71	1971.73
γ 13.0	2327.01	2481.06	1904.29	1719.13
γ 14.0	2047.99	2196.82	1650.96	1494.01
γ 15.0	1793.83	1930.12	1428.42	1296.17
γ 16.0	1571.61	1680.38	1236.47	1128.72
γ 17.0	1372.16	1459.91	1073.88	987.86
γ 18.0	1201.31	1268.31	933.59	867.75
γ 19.0	1056.50	1103.87	815.54	766.06
γ 20.0	935.65	966.67	714.44	679.31
γ 21.0	833.85	850.00	630.95	604.88
γ 22.0	748.57	750.49	556.59	540.28
γ 23.0	673.04	666.03	493.23	484.62
γ 24.0	607.73	594.16	438.70	435.57
γ 25.0	549.60	531.26	391.02	392.23
γ 26.0	499.29	477.34	349.45	352.85
γ 27.0	451.99	430.30	311.80	317.39
γ 28.0	409.52	388.68	278.14	285.27
γ 29.0	371.12	351.23	248.47	257.31
γ 30.0	336.19	317.01	222.07	231.86
γ 31.0	304.50	286.53	199.54	209.49
γ 32.0	276.60	259.35	179.64	189.78
γ 33.0	251.71	235.49	162.05	172.33
γ 34.0	229.93	214.01	146.26	156.41
γ 35.0	209.88	193.91	132.26	142.02
γ 36.0	191.51	175.79	119.77	129.43
γ 37.0	174.66	159.61	108.44	117.96
γ 38.0	159.26	145.22	98.19	108.08
γ 39.0	144.99	131.62	89.27	98.89
γ 40.0	132.61	119.43	81.21	90.41
γ 41.0	120.87	108.88	74.30	82.73
γ 42.0	110.38	98.93	68.00	75.82
γ 43.0	100.69	89.97	62.20	69.52
γ 44.0	92.15	81.86	57.12	63.91
γ 45.0	84.32	74.71	52.50	58.93
γ 46.0	77.41	68.16	48.30	54.39

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	71.22	62.00	44.69	50.21
γ 48.0	65.64	56.98	41.41	46.41
γ 49.0	60.47	52.34	38.35	43.07
γ 50.0	56.00	48.10	35.82	40.01
γ 51.0	51.81	44.35	33.54	37.42
γ 52.0	48.20	40.99	31.51	35.24
γ 53.0	44.81	38.06	29.69	33.21
γ 54.0	41.86	35.56	28.23	31.44
γ 55.0	39.06	33.36	26.82	29.83
γ 56.0	36.77	31.34	25.50	28.34
γ 57.0	34.67	29.44	24.31	26.84
γ 58.0	32.71	27.80	23.20	25.70
γ 59.0	30.89	26.35	22.07	24.49
γ 60.0	29.24	25.06	21.03	23.33
γ 61.0	27.62	23.68	20.11	22.31
γ 62.0	26.19	22.46	19.23	21.32
γ 63.0	24.74	21.41	18.42	20.24
γ 64.0	23.58	20.33	17.46	19.33
γ 65.0	22.35	19.25	16.76	18.25
γ 66.0	21.13	18.29	15.87	17.34
γ 67.0	19.89	17.38	15.06	16.04
γ 68.0	18.71	16.50	14.02	15.07
γ 69.0	17.27	15.44	13.31	14.38
γ 70.0	16.15	14.54	12.58	13.55
γ 71.0	15.21	13.48	11.94	12.74
γ 72.0	14.24	12.73	11.26	12.02
γ 73.0	13.33	12.00	10.52	11.26
γ 74.0	12.38	11.27	9.91	10.40
γ 75.0	11.48	10.49	9.10	9.51
γ 76.0	10.61	9.75	8.34	8.55
γ 77.0	9.63	9.09	7.59	7.93
γ 78.0	8.72	8.22	6.96	7.65
γ 79.0	8.04	7.42	6.67	7.30
γ 80.0	7.75	6.84	6.44	7.10
γ 81.0	7.43	6.62	6.27	6.91
γ 82.0	7.29	6.40	6.05	6.66
γ 83.0	7.02	6.20	5.90	6.39
γ 84.0	6.83	5.95	5.72	6.23
γ 85.0	6.56	5.80	5.51	6.02
γ 86.0	6.40	5.71	5.36	5.81
γ 87.0	6.13	5.49	5.15	5.57
γ 88.0	5.98	5.27	4.97	5.45
γ 89.0	5.84	5.05	4.87	5.28
γ 90.0	5.64	4.91	4.67	5.11
γ 91.0	5.50	4.82	4.53	4.99
γ 92.0	5.43	4.68	4.50	4.85
γ 93.0	5.23	4.62	4.31	4.69



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.10	4.54	4.26	4.64
γ 95.0	5.07	4.46	4.20	4.58
γ 96.0	4.93	4.41	4.07	4.48
γ 97.0	4.85	4.26	4.04	4.40
γ 98.0	4.82	4.26	3.96	4.33
γ 99.0	4.69	4.26	3.91	4.23
γ 100.0	4.74	4.06	3.76	4.13
γ 101.0	4.56	4.00	3.79	4.10
γ 102.0	4.46	4.01	3.73	4.04
γ 103.0	4.43	3.99	3.76	3.99
γ 104.0	4.41	3.90	3.66	3.98
γ 105.0	4.33	3.90	3.69	3.95
γ 106.0	4.26	3.85	3.62	3.89
γ 107.0	4.18	3.77	3.61	3.88
γ 108.0	4.14	3.82	3.68	3.84
γ 109.0	4.10	3.76	3.66	3.92
γ 110.0	4.06	3.77	3.67	3.86
γ 111.0	4.06	3.65	3.70	3.84
γ 112.0	3.93	3.63	3.57	3.78
γ 113.0	3.94	3.58	3.63	3.83
γ 114.0	3.92	3.67	3.66	3.83
γ 115.0	3.84	3.60	3.70	3.84
γ 116.0	3.81	3.50	3.71	3.91
γ 117.0	3.80	3.52	3.78	3.95
γ 118.0	3.73	3.46	3.77	3.91
γ 119.0	3.63	3.43	3.83	3.98
γ 120.0	3.69	3.50	3.89	4.04
γ 121.0	3.74	3.50	3.98	4.09
γ 122.0	3.80	3.44	3.99	4.09
γ 123.0	3.67	3.49	4.10	4.15
γ 124.0	3.81	3.49	4.22	4.23
γ 125.0	3.78	3.55	4.21	4.26
γ 126.0	3.85	3.66	4.30	4.45
γ 127.0	3.86	3.68	4.46	4.53
γ 128.0	3.89	3.75	4.62	4.70
γ 129.0	4.07	3.82	4.79	4.71
γ 130.0	4.16	4.04	4.93	4.89
γ 131.0	4.29	4.14	5.07	5.02
γ 132.0	4.42	4.21	5.22	5.31
γ 133.0	4.56	4.38	5.49	5.43
γ 134.0	4.72	4.58	5.63	5.74
γ 135.0	4.99	4.80	5.97	5.98
γ 136.0	5.04	4.89	6.10	6.20
γ 137.0	5.28	5.17	6.40	6.46
γ 138.0	5.56	5.46	6.66	6.61
γ 139.0	5.88	5.57	6.88	6.93
γ 140.0	6.05	5.85	7.24	7.19

# IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 15D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.32	6.07	7.56	7.36
γ 142.0	6.56	6.36	7.73	7.72
γ 143.0	6.81	6.65	8.11	8.01
γ 144.0	7.10	6.90	8.36	8.21
γ 145.0	7.40	7.24	8.68	8.51
γ 146.0	7.68	7.40	8.84	8.73
γ 147.0	8.00	7.70	9.15	9.03
γ 148.0	8.19	8.00	9.40	9.13
γ 149.0	8.46	8.19	9.55	9.41
γ 150.0	8.69	8.49	9.78	9.62
γ 151.0	8.94	8.69	9.95	9.76
γ 152.0	9.07	8.87	10.22	9.89
γ 153.0	9.28	9.17	10.34	10.02
γ 154.0	9.57	9.33	10.55	10.15
γ 155.0	9.68	9.45	10.62	10.28
γ 156.0	9.90	9.60	10.70	10.36
γ 157.0	9.96	9.76	10.82	10.39
γ 158.0	10.08	9.90	10.94	10.48
γ 159.0	10.27	10.03	11.01	10.55
γ 160.0	10.41	10.08	11.05	10.60
γ 161.0	10.52	10.25	11.12	10.64
γ 162.0	10.52	10.24	11.14	10.64
γ 163.0	10.59	10.37	11.11	10.67
γ 164.0	10.76	10.43	11.20	10.71
γ 165.0	10.72	10.51	11.30	10.74
γ 166.0	10.78	10.52	11.19	10.62
γ 167.0	10.81	10.67	11.24	10.61
γ 168.0	10.87	10.65	11.15	10.64
γ 169.0	10.82	10.62	11.19	10.50
γ 170.0	10.81	10.67	11.11	10.52
γ 171.0	10.83	10.71	11.11	10.52
γ 172.0	10.80	10.67	11.07	10.46
γ 173.0	10.83	10.63	11.01	10.43
γ 174.0	10.81	10.63	10.99	10.43
γ 175.0	10.79	10.60	10.95	10.49
γ 176.0	10.75	10.65	10.92	10.46
γ 177.0	10.78	10.67	10.98	10.56
γ 178.0	10.82	10.53	10.97	10.55
γ 179.0	10.86	10.58	10.97	10.52
γ 180.0	10.80	10.80	10.80	10.80