

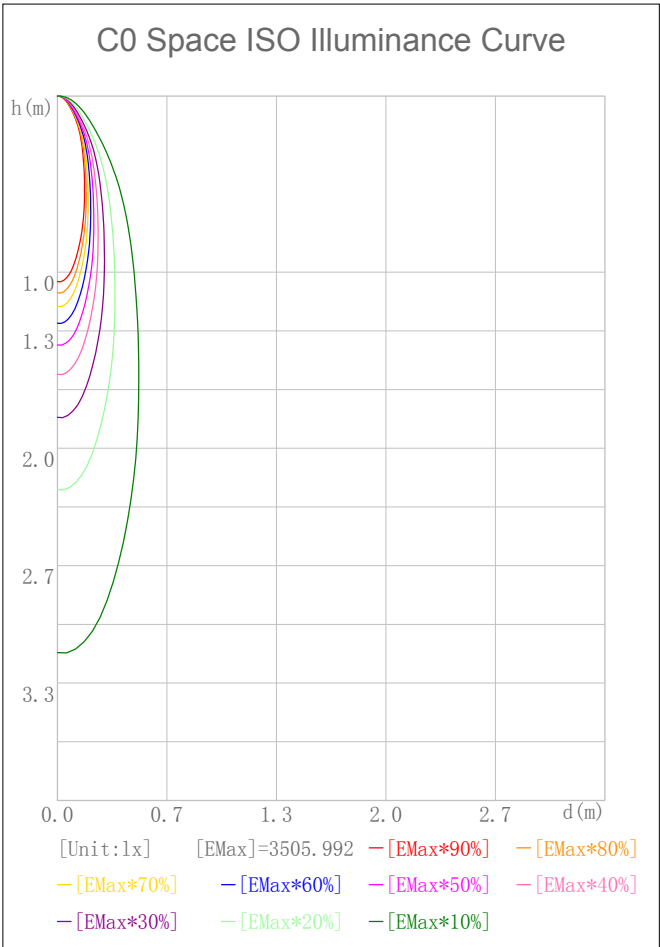
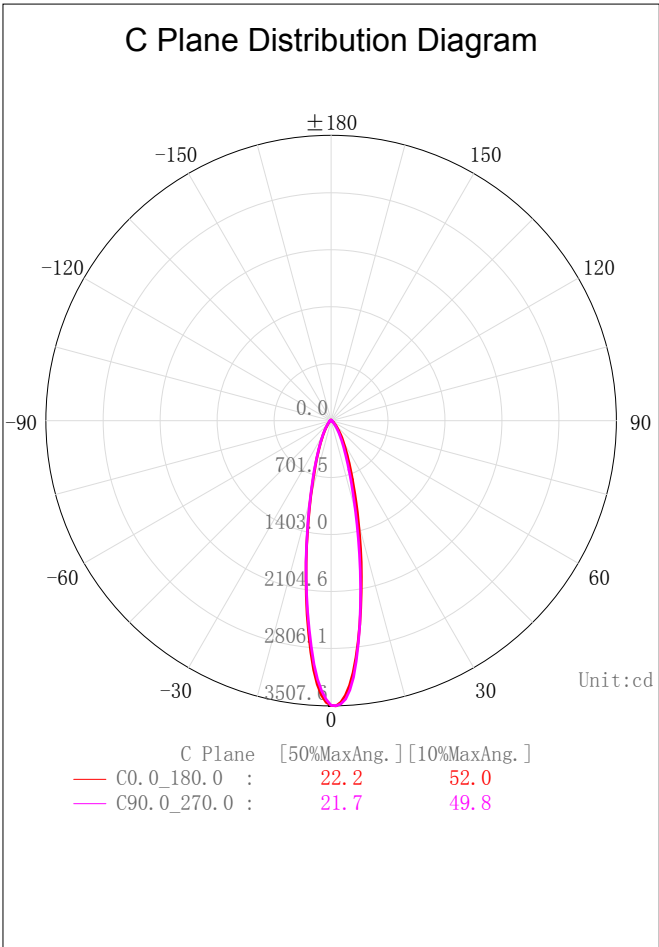
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-SL-03 4000K RA97 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/01/03
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*0.650m	Lum. Area (m2): 0.572	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity (%):

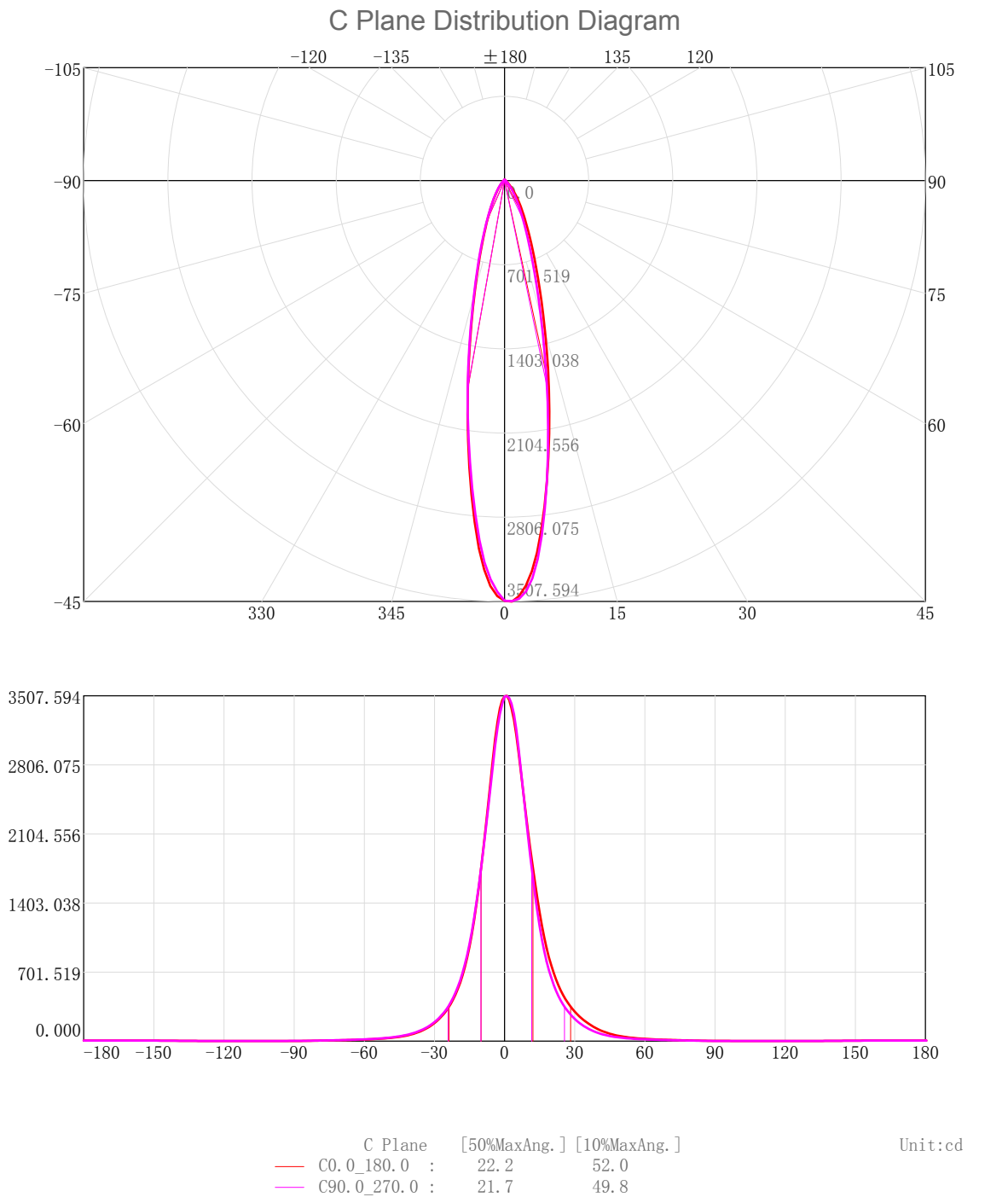
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 947.070	Luminary Flux(lm): 947.068	Field Angle(10%Imax): 52.0(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 923.899lm 97.55%
Rated Voltage(V):	Luminary EER(lm/W): 73.473	Up Lumens&Percent: 23.169lm 2.45%
Tested Power(W): 12.890	Max. Candela(cd): 3507.594	S/MH: C0_a180=0.375 C90_270=0.368
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.2, 0.056	Beam Angle(50%Imax): 22.2(°)	ErP Φ use(90°): 838.176lm
Lamp Size(W*L*H): 0.498m*0.498m*0.650m	Left=-10.1°, Right=12.2°	IRF (%): 775.583



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03



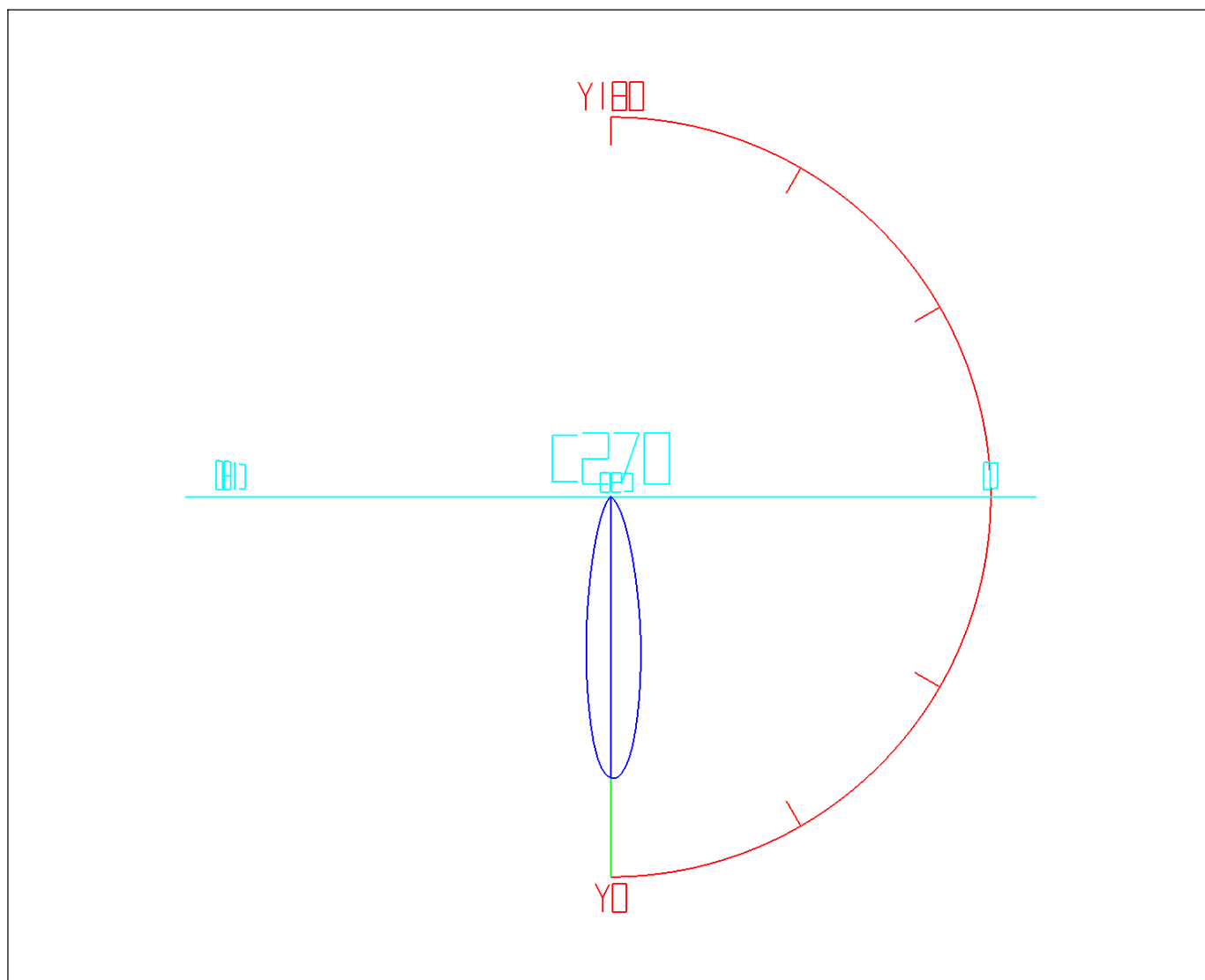
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

## 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	3.34	3.34	0.35	0.35	47.0-48.0	3.71	861.87	0.39	91.00
1.0-2.0	9.89	13.23	1.04	1.40	48.0-49.0	3.49	865.36	0.37	91.37
2.0-3.0	16.08	29.31	1.70	3.09	49.0-50.0	3.28	868.64	0.35	91.72
3.0-4.0	21.67	50.98	2.29	5.38	50.0-51.0	3.10	871.74	0.33	92.05
4.0-5.0	26.44	77.42	2.79	8.17	51.0-52.0	2.93	874.67	0.31	92.35
5.0-6.0	30.26	107.68	3.20	11.37	52.0-53.0	2.77	877.44	0.29	92.65
6.0-7.0	33.16	140.83	3.50	14.87	53.0-54.0	2.63	880.07	0.28	92.93
7.0-8.0	35.19	176.02	3.72	18.59	54.0-55.0	2.49	882.56	0.26	93.19
8.0-9.0	36.44	212.46	3.85	22.43	55.0-56.0	2.37	884.93	0.25	93.44
9.0-10.0	36.97	249.43	3.90	26.34	56.0-57.0	2.26	887.19	0.24	93.68
10.0-11.0	36.87	286.30	3.89	30.23	57.0-58.0	2.15	889.34	0.23	93.90
11.0-12.0	36.22	322.52	3.82	34.05	58.0-59.0	2.05	891.39	0.22	94.12
12.0-13.0	35.14	357.65	3.71	37.76	59.0-60.0	1.96	893.36	0.21	94.33
13.0-14.0	33.77	391.42	3.57	41.33	60.0-61.0	1.87	895.23	0.20	94.53
14.0-15.0	32.22	423.64	3.40	44.73	61.0-62.0	1.79	897.02	0.19	94.72
15.0-16.0	30.57	454.21	3.23	47.96	62.0-63.0	1.71	898.73	0.18	94.90
16.0-17.0	28.91	483.12	3.05	51.01	63.0-64.0	1.63	900.36	0.17	95.07
17.0-18.0	27.27	510.39	2.88	53.89	64.0-65.0	1.56	901.93	0.16	95.23
18.0-19.0	25.67	536.06	2.71	56.60	65.0-66.0	1.50	903.42	0.16	95.39
19.0-20.0	24.14	560.19	2.55	59.15	66.0-67.0	1.43	904.85	0.15	95.54
20.0-21.0	22.68	582.87	2.39	61.54	67.0-68.0	1.37	906.22	0.14	95.69
21.0-22.0	21.29	604.16	2.25	63.79	68.0-69.0	1.31	907.53	0.14	95.82
22.0-23.0	19.99	624.16	2.11	65.90	69.0-70.0	1.25	908.78	0.13	95.96
23.0-24.0	18.78	642.93	1.98	67.89	70.0-71.0	1.20	909.98	0.13	96.08
24.0-25.0	17.63	660.57	1.86	69.75	71.0-72.0	1.15	911.12	0.12	96.20
25.0-26.0	16.57	677.13	1.75	71.50	72.0-73.0	1.09	912.22	0.12	96.32
26.0-27.0	15.56	692.69	1.64	73.14	73.0-74.0	1.04	913.26	0.11	96.43
27.0-28.0	14.60	707.29	1.54	74.68	74.0-75.0	1.00	914.26	0.11	96.54
28.0-29.0	13.70	720.99	1.45	76.13	75.0-76.0	0.95	915.21	0.10	96.64
29.0-30.0	12.84	733.83	1.36	77.48	76.0-77.0	0.90	916.12	0.10	96.73
30.0-31.0	12.03	745.86	1.27	78.75	77.0-78.0	0.86	916.97	0.09	96.82
31.0-32.0	11.26	757.12	1.19	79.94	78.0-79.0	0.81	917.79	0.09	96.91
32.0-33.0	10.53	767.65	1.11	81.06	79.0-80.0	0.77	918.56	0.08	96.99
33.0-34.0	9.83	777.48	1.04	82.09	80.0-81.0	0.73	919.29	0.08	97.07
34.0-35.0	9.17	786.65	0.97	83.06	81.0-82.0	0.68	919.96	0.07	97.14
35.0-36.0	8.55	795.20	0.90	83.96	82.0-83.0	0.63	920.59	0.07	97.20
36.0-37.0	7.96	803.17	0.84	84.81	83.0-84.0	0.58	921.18	0.06	97.27
37.0-38.0	7.42	810.58	0.78	85.59	84.0-85.0	0.54	921.72	0.06	97.32
38.0-39.0	6.90	817.49	0.73	86.32	85.0-86.0	0.50	922.21	0.05	97.38
39.0-40.0	6.42	823.91	0.68	87.00	86.0-87.0	0.46	922.67	0.05	97.42
40.0-41.0	5.98	829.89	0.63	87.63	87.0-88.0	0.43	923.10	0.05	97.47
41.0-42.0	5.57	835.45	0.59	88.21	88.0-89.0	0.41	923.51	0.04	97.51
42.0-43.0	5.19	840.64	0.55	88.76	89.0-90.0	0.39	923.90	0.04	97.55
43.0-44.0	4.84	845.48	0.51	89.27	90.0-91.0	0.38	924.28	0.04	97.59
44.0-45.0	4.51	849.99	0.48	89.75	91.0-92.0	0.37	924.65	0.04	97.63
45.0-46.0	4.22	854.21	0.45	90.20	92.0-93.0	0.36	925.01	0.04	97.67
46.0-47.0	3.95	858.16	0.42	90.61	93.0-94.0	0.35	925.37	0.04	97.71

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	0.34	925.71	0.04	97.74	141.0-142.0	0.32	938.53	0.03	99.10
95.0-96.0	0.34	926.05	0.04	97.78	142.0-143.0	0.33	938.85	0.03	99.13
96.0-97.0	0.33	926.38	0.03	97.81	143.0-144.0	0.33	939.19	0.04	99.17
97.0-98.0	0.32	926.70	0.03	97.85	144.0-145.0	0.34	939.52	0.04	99.20
98.0-99.0	0.31	927.01	0.03	97.88	145.0-146.0	0.34	939.86	0.04	99.24
99.0-100.0	0.31	927.32	0.03	97.91	146.0-147.0	0.34	940.20	0.04	99.27
100.0-101.0	0.30	927.62	0.03	97.95	147.0-148.0	0.34	940.54	0.04	99.31
101.0-102.0	0.30	927.92	0.03	97.98	148.0-149.0	0.34	940.88	0.04	99.35
102.0-103.0	0.29	928.21	0.03	98.01	149.0-150.0	0.34	941.22	0.04	99.38
103.0-104.0	0.29	928.50	0.03	98.04	150.0-151.0	0.34	941.56	0.04	99.42
104.0-105.0	0.28	928.78	0.03	98.07	151.0-152.0	0.33	941.89	0.04	99.45
105.0-106.0	0.28	929.06	0.03	98.10	152.0-153.0	0.33	942.22	0.03	99.49
106.0-107.0	0.27	929.34	0.03	98.13	153.0-154.0	0.32	942.54	0.03	99.52
107.0-108.0	0.27	929.61	0.03	98.16	154.0-155.0	0.32	942.86	0.03	99.56
108.0-109.0	0.27	929.87	0.03	98.18	155.0-156.0	0.31	943.17	0.03	99.59
109.0-110.0	0.26	930.14	0.03	98.21	156.0-157.0	0.30	943.47	0.03	99.62
110.0-111.0	0.26	930.40	0.03	98.24	157.0-158.0	0.29	943.76	0.03	99.65
111.0-112.0	0.26	930.65	0.03	98.27	158.0-159.0	0.28	944.04	0.03	99.68
112.0-113.0	0.25	930.91	0.03	98.29	159.0-160.0	0.27	944.31	0.03	99.71
113.0-114.0	0.25	931.16	0.03	98.32	160.0-161.0	0.26	944.58	0.03	99.74
114.0-115.0	0.25	931.41	0.03	98.35	161.0-162.0	0.25	944.83	0.03	99.76
115.0-116.0	0.25	931.66	0.03	98.37	162.0-163.0	0.24	945.06	0.03	99.79
116.0-117.0	0.24	931.90	0.03	98.40	163.0-164.0	0.23	945.29	0.02	99.81
117.0-118.0	0.24	932.14	0.03	98.42	164.0-165.0	0.21	945.50	0.02	99.83
118.0-119.0	0.24	932.39	0.03	98.45	165.0-166.0	0.20	945.70	0.02	99.86
119.0-120.0	0.24	932.63	0.03	98.47	166.0-167.0	0.19	945.89	0.02	99.88
120.0-121.0	0.24	932.86	0.03	98.50	167.0-168.0	0.17	946.06	0.02	99.89
121.0-122.0	0.24	933.10	0.03	98.53	168.0-169.0	0.16	946.22	0.02	99.91
122.0-123.0	0.24	933.34	0.03	98.55	169.0-170.0	0.15	946.37	0.02	99.93
123.0-124.0	0.24	933.58	0.03	98.58	170.0-171.0	0.13	946.50	0.01	99.94
124.0-125.0	0.24	933.82	0.03	98.60	171.0-172.0	0.12	946.62	0.01	99.95
125.0-126.0	0.24	934.07	0.03	98.63	172.0-173.0	0.10	946.73	0.01	99.96
126.0-127.0	0.24	934.31	0.03	98.65	173.0-174.0	0.09	946.82	0.01	99.97
127.0-128.0	0.25	934.56	0.03	98.68	174.0-175.0	0.08	946.89	0.01	99.98
128.0-129.0	0.25	934.81	0.03	98.71	175.0-176.0	0.06	946.96	0.01	99.99
129.0-130.0	0.25	935.06	0.03	98.73	176.0-177.0	0.05	947.01	0.01	99.99
130.0-131.0	0.26	935.32	0.03	98.76	177.0-178.0	0.03	947.04	0.00	100.00
131.0-132.0	0.26	935.58	0.03	98.79	178.0-179.0	0.02	947.06	0.00	100.00
132.0-133.0	0.27	935.85	0.03	98.82	179.0-180.0	0.01	947.07	0.00	100.00
133.0-134.0	0.27	936.12	0.03	98.84					
134.0-135.0	0.28	936.40	0.03	98.87					
135.0-136.0	0.28	936.68	0.03	98.90					
136.0-137.0	0.29	936.97	0.03	98.93					
137.0-138.0	0.30	937.27	0.03	98.97					
138.0-139.0	0.30	937.58	0.03	99.00					
139.0-140.0	0.31	937.89	0.03	99.03					
140.0-141.0	0.32	938.20	0.03	99.06					

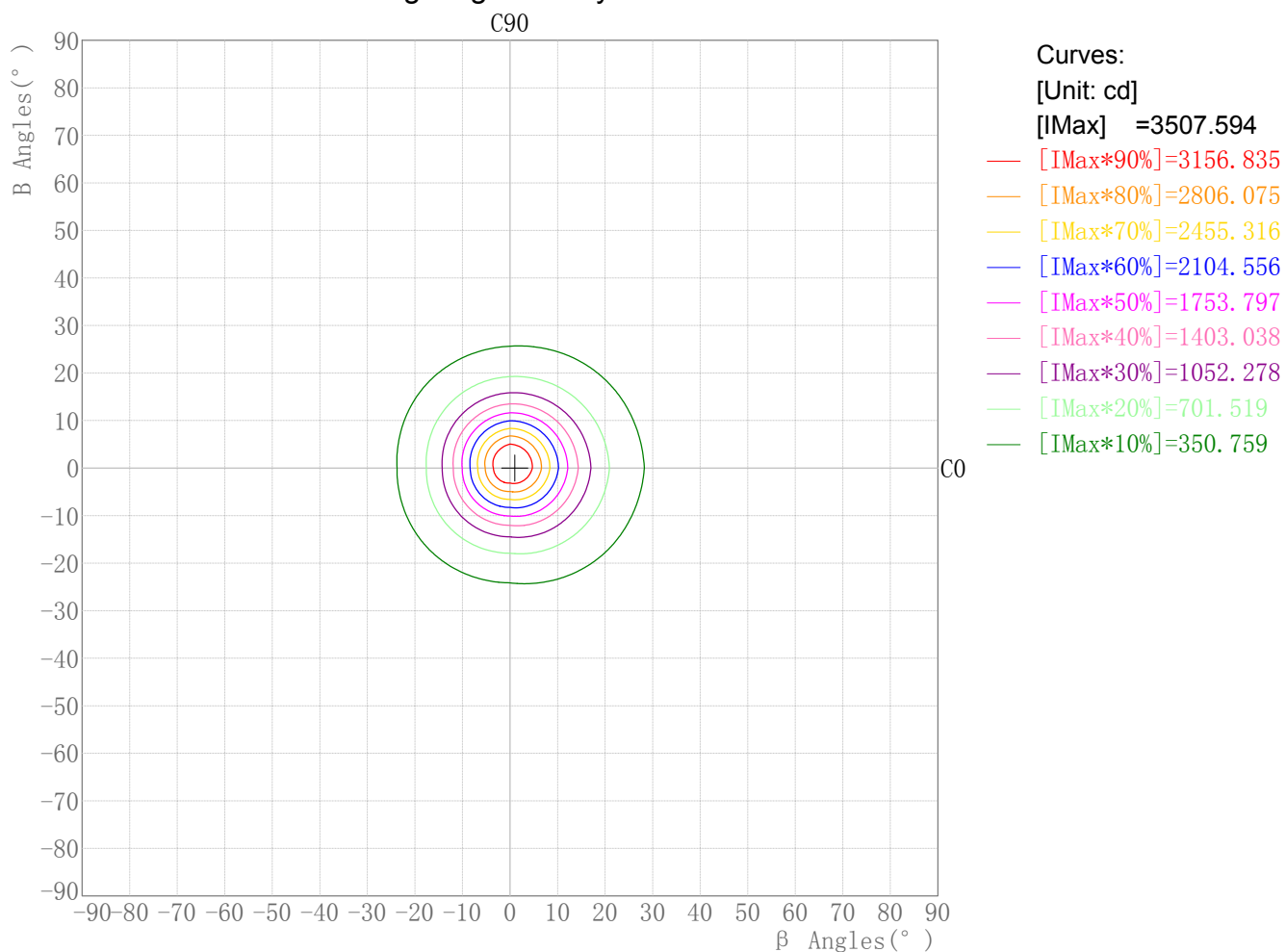
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

### ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 3507.59

Maximum Cand.@Angle: H=1.0°,V=0.0°

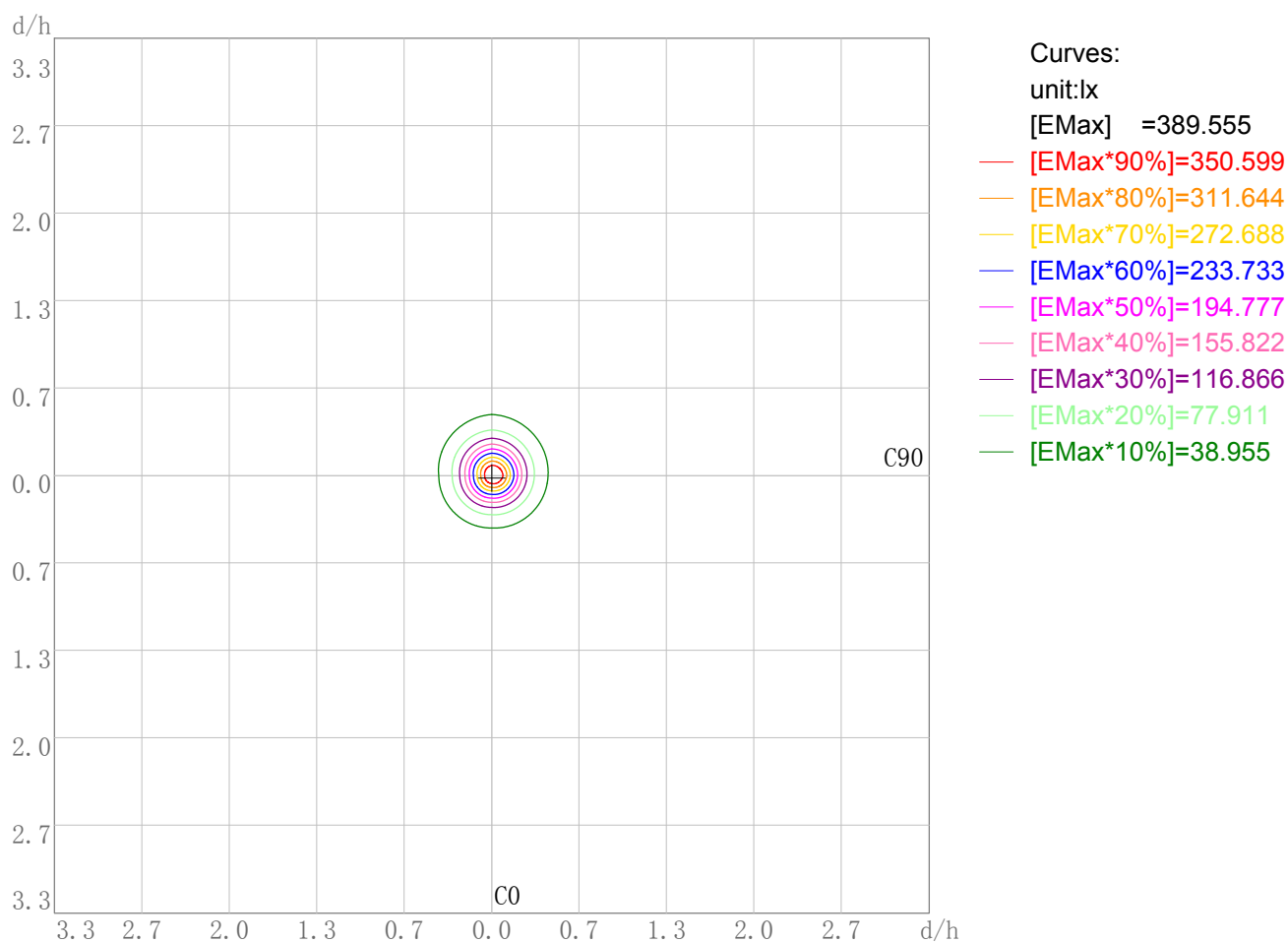
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

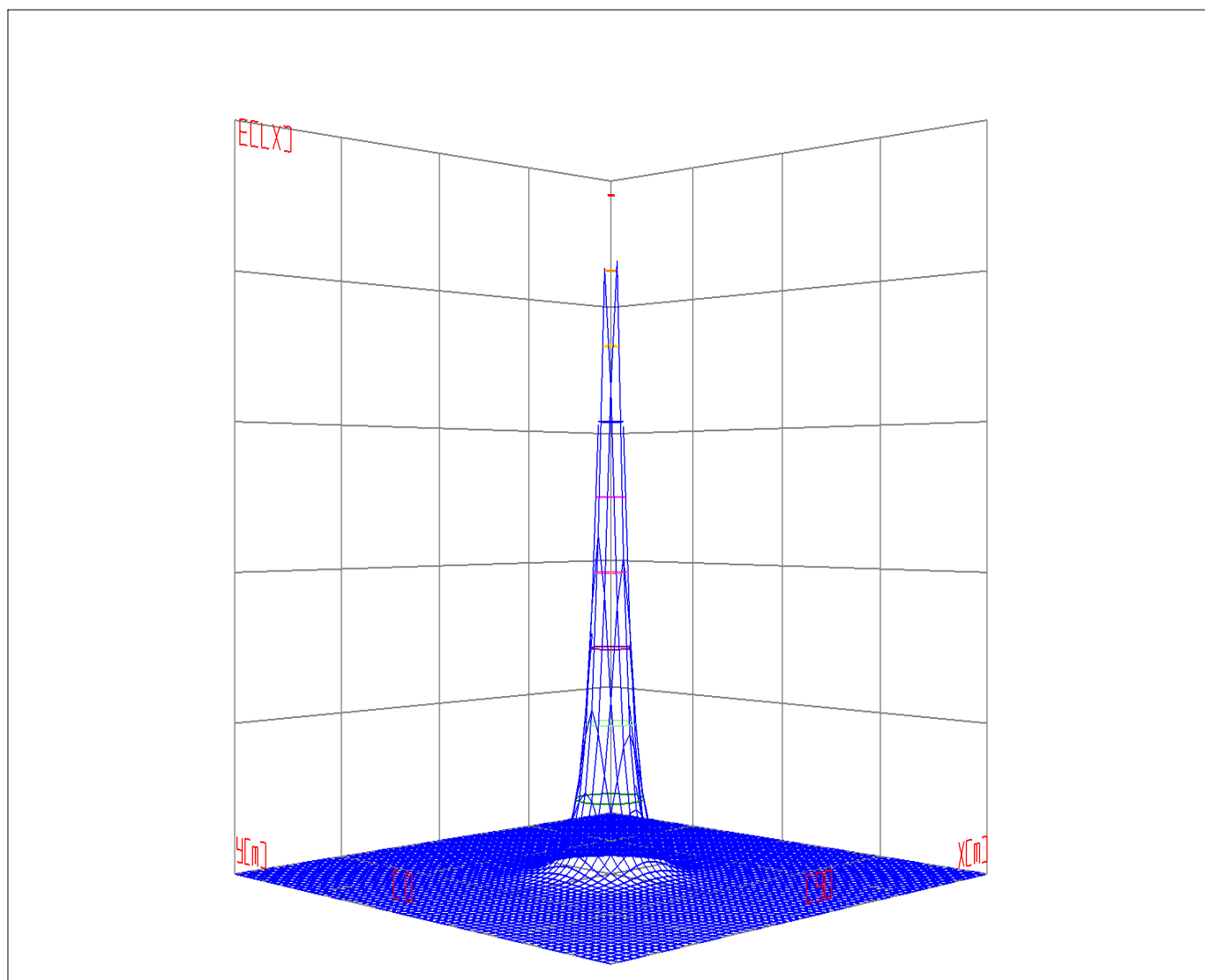
Working Plane Maximum Illuminance(lx): 389.55

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

### 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

### 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



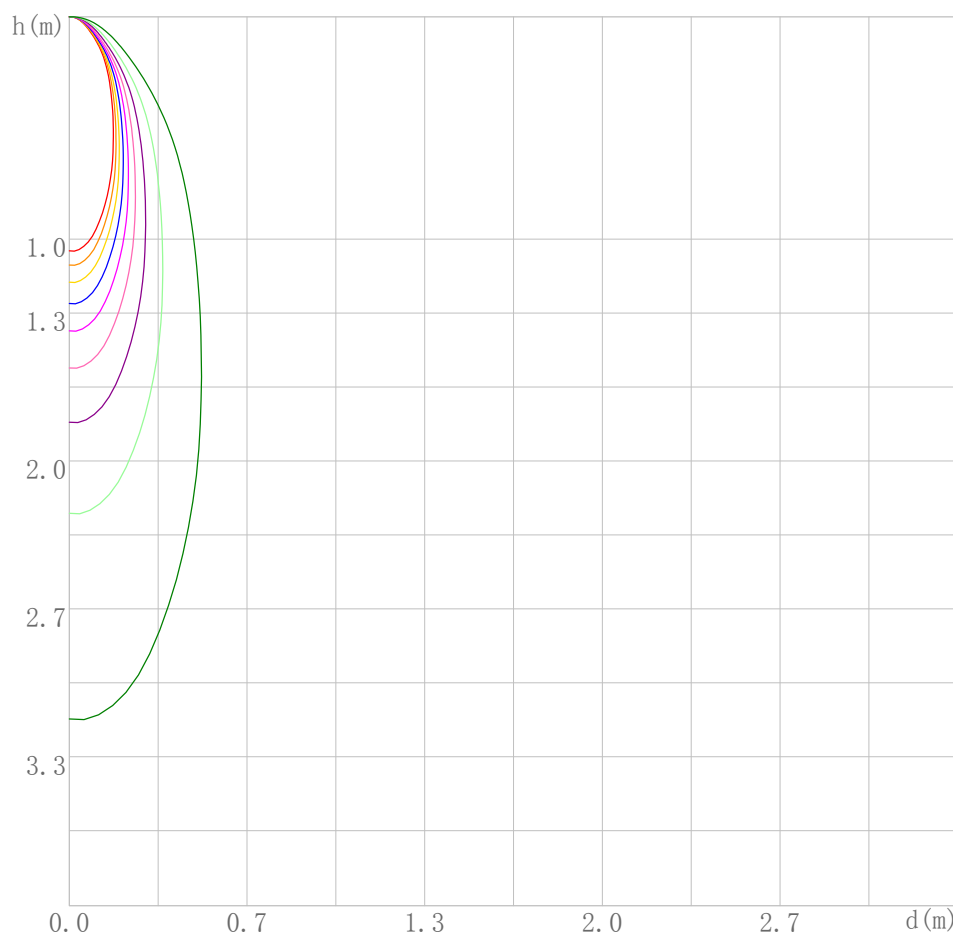
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

## Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =3505.992

— [EMax\*90%]=3155.392

— [EMax\*80%]=2804.793

— [EMax\*70%]=2454.194

— [EMax\*60%]=2103.595

— [EMax\*50%]=1752.996

— [EMax\*40%]=1402.397

— [EMax\*30%]=1051.797

— [EMax\*20%]=701.198

— [EMax\*10%]=350.599

Space Plane Maximum Illuminance and @Angle:3505.99lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:3507.594cd,0deg

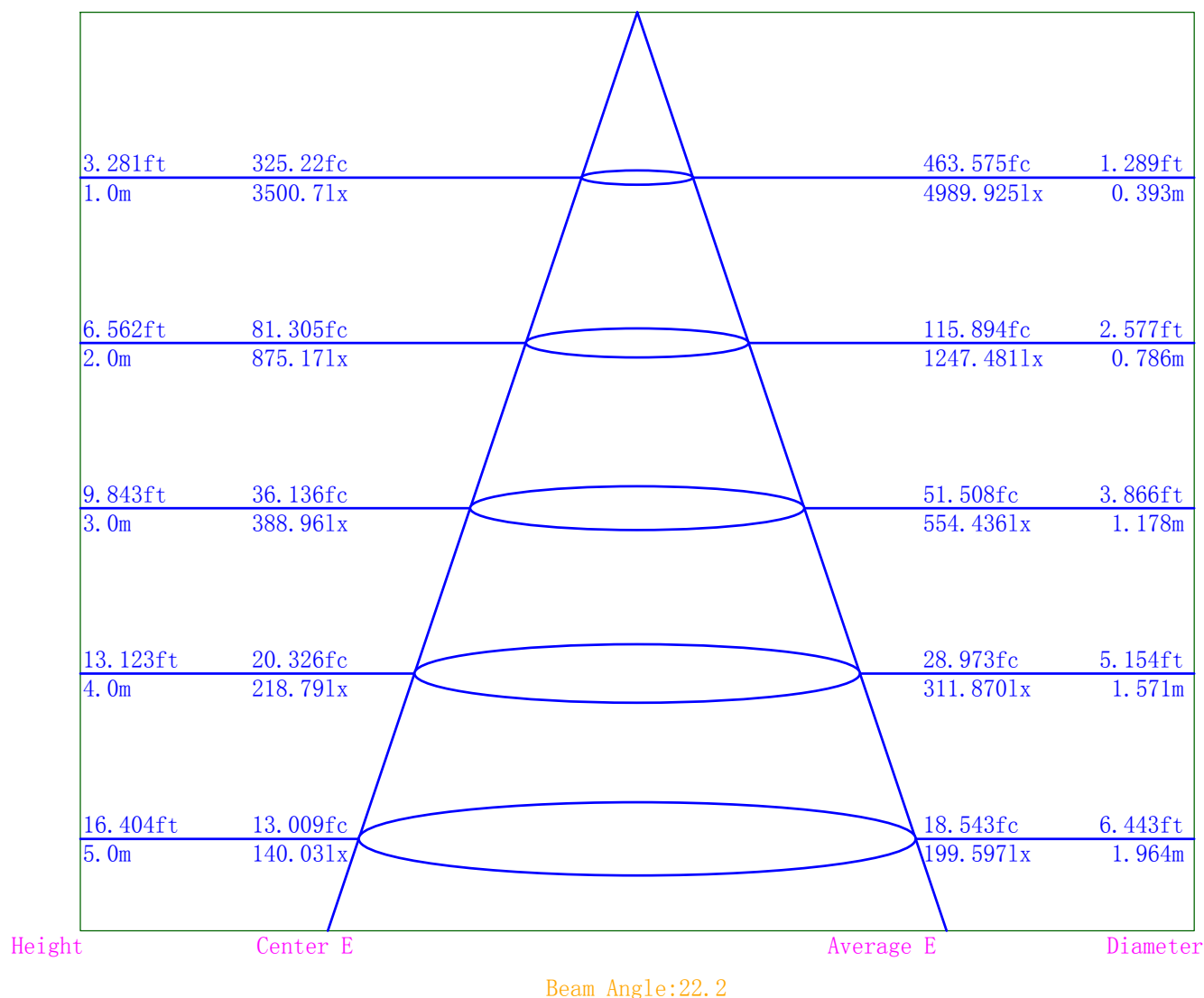
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03

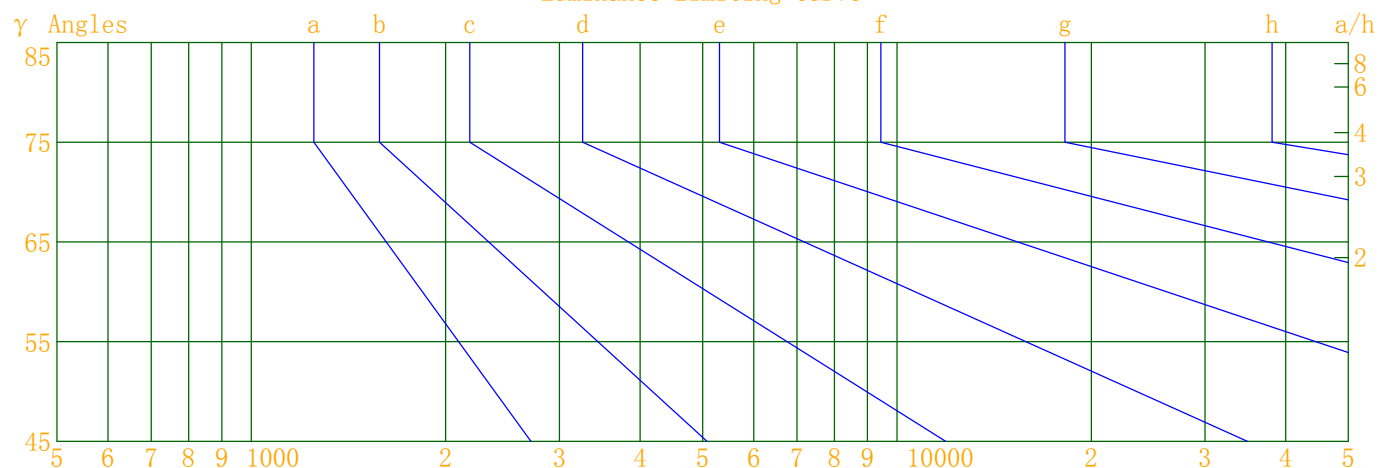
Glare Grade Table

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	190	135	104	86	76	71	72	81	112
C90	131	97	77	67	60	58	59	67	93

Luminance Limiting Curve



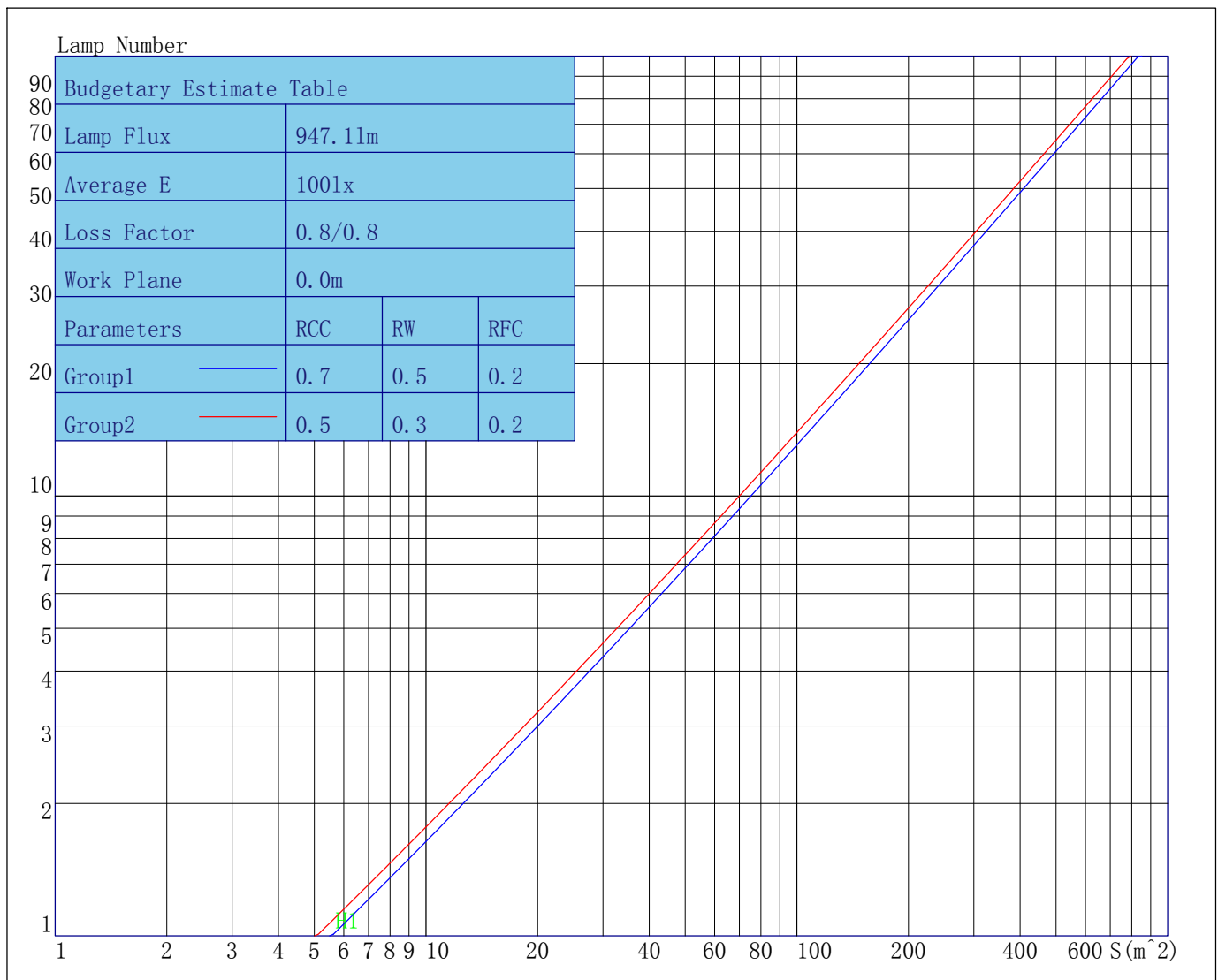
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.650 Area(m^2)=0.571704  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 15D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-SL-03 4000K RA97 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: 2020/01/03



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 7 columns: Coef., Effective Floor Cavity Reflectance RFC=0.20, RhoCC (%), RhoW (%), RCR, Coefficient of Utilization(%), and numerical values for RCR from 0 to 10.

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 surfaces (Ceiling, Wall, Floor) and room sizes (X, Y) at various heights (H), and a section for variations with observer position at spacings (S).

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	3500.68	3500.68	3500.68	3500.68
γ 1.0	3507.59	3505.18	3462.97	3426.33
γ 2.0	3464.23	3485.38	3379.59	3325.07
γ 3.0	3380.58	3426.96	3246.36	3184.94
γ 4.0	3263.19	3320.68	3072.51	3003.01
γ 5.0	3110.48	3166.03	2856.68	2790.04
γ 6.0	2928.13	2971.38	2631.82	2577.84
γ 7.0	2731.45	2754.05	2407.30	2364.63
γ 8.0	2532.25	2533.06	2186.07	2158.17
γ 9.0	2334.98	2309.40	1970.91	1960.39
γ 10.0	2141.16	2091.54	1765.35	1768.17
γ 11.0	1957.65	1881.71	1570.02	1583.10
γ 12.0	1780.82	1678.90	1390.88	1409.81
γ 13.0	1613.69	1488.38	1228.04	1252.09
γ 14.0	1454.60	1320.31	1084.31	1110.60
γ 15.0	1306.93	1165.70	958.49	986.65
γ 16.0	1172.23	1031.10	848.54	875.20
γ 17.0	1053.06	913.13	752.07	779.93
γ 18.0	945.10	809.97	668.37	694.47
γ 19.0	851.41	720.60	594.03	617.37
γ 20.0	768.58	642.74	529.44	550.84
γ 21.0	694.47	572.86	473.32	492.45
γ 22.0	628.18	512.71	423.56	440.48
γ 23.0	569.91	460.27	380.00	395.86
γ 24.0	517.26	414.05	342.06	355.60
γ 25.0	471.28	373.72	307.65	320.61
γ 26.0	429.42	337.83	277.32	289.35
γ 27.0	391.99	305.80	250.26	261.35
γ 28.0	358.52	276.87	225.93	236.26
γ 29.0	328.08	250.67	204.12	214.05
γ 30.0	300.48	226.95	184.38	194.01
γ 31.0	275.74	205.46	166.26	175.78
γ 32.0	252.76	186.26	150.25	159.38
γ 33.0	231.66	168.76	135.80	144.65
γ 34.0	211.91	152.64	122.74	131.52
γ 35.0	194.05	137.99	110.97	119.63
γ 36.0	177.10	124.85	100.41	108.97
γ 37.0	161.68	113.00	91.14	99.42
γ 38.0	147.50	102.44	82.85	90.79
γ 39.0	134.37	92.82	75.27	83.00
γ 40.0	122.40	84.31	68.70	75.97
γ 41.0	111.37	76.50	62.65	69.72
γ 42.0	101.35	69.66	57.43	64.03
γ 43.0	92.39	63.48	52.71	58.95
γ 44.0	84.20	58.03	48.44	54.32
γ 45.0	76.80	53.06	44.75	50.24
γ 46.0	70.16	48.72	41.46	46.52

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	64.19	44.81	38.49	43.22
γ 48.0	58.81	41.42	35.84	40.22
γ 49.0	54.04	38.30	33.40	37.53
γ 50.0	49.68	35.59	31.20	35.10
γ 51.0	45.91	33.09	29.28	32.84
γ 52.0	42.56	30.93	27.52	30.81
γ 53.0	39.42	28.87	25.88	28.97
γ 54.0	36.63	27.08	24.38	27.24
γ 55.0	34.15	25.39	23.01	25.65
γ 56.0	31.83	23.91	21.74	24.20
γ 57.0	29.78	22.54	20.56	22.87
γ 58.0	27.94	21.30	19.50	21.63
γ 59.0	26.32	20.10	18.52	20.50
γ 60.0	24.67	19.04	17.58	19.42
γ 61.0	23.17	18.04	16.69	18.42
γ 62.0	21.80	17.11	15.86	17.47
γ 63.0	20.52	16.19	15.09	16.58
γ 64.0	19.32	15.35	14.34	15.75
γ 65.0	18.29	14.59	13.65	14.98
γ 66.0	17.25	13.87	12.99	14.25
γ 67.0	16.35	13.16	12.35	13.56
γ 68.0	15.45	12.52	11.75	12.90
γ 69.0	14.65	11.90	11.18	12.27
γ 70.0	13.91	11.31	10.65	11.69
γ 71.0	13.20	10.76	10.13	11.10
γ 72.0	12.51	10.23	9.64	10.57
γ 73.0	11.86	9.72	9.15	10.06
γ 74.0	11.25	9.22	8.69	9.55
γ 75.0	10.67	8.77	8.25	9.06
γ 76.0	10.09	8.32	7.81	8.61
γ 77.0	9.56	7.89	7.39	8.16
γ 78.0	9.03	7.47	6.99	7.72
γ 79.0	8.52	7.05	6.59	7.29
γ 80.0	8.03	6.67	6.19	6.85
γ 81.0	7.56	6.28	5.73	6.39
γ 82.0	7.06	5.89	5.19	5.93
γ 83.0	6.53	5.41	4.81	5.53
γ 84.0	6.05	4.99	4.41	5.11
γ 85.0	5.61	4.61	4.04	4.73
γ 86.0	5.16	4.24	3.68	4.29
γ 87.0	4.73	3.92	3.41	4.09
γ 88.0	4.36	3.57	3.25	3.95
γ 89.0	4.18	3.34	3.16	3.84
γ 90.0	4.05	3.20	3.08	3.74
γ 91.0	3.95	3.13	3.00	3.63
γ 92.0	3.85	3.06	2.92	3.54
γ 93.0	3.77	2.99	2.85	3.44



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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.67	2.93	2.79	3.36
γ 95.0	3.59	2.87	2.73	3.27
γ 96.0	3.51	2.82	2.67	3.20
γ 97.0	3.44	2.78	2.62	3.13
γ 98.0	3.36	2.72	2.56	3.06
γ 99.0	3.30	2.68	2.54	3.00
γ 100.0	3.25	2.63	2.49	2.95
γ 101.0	3.19	2.59	2.46	2.90
γ 102.0	3.13	2.56	2.44	2.86
γ 103.0	3.08	2.53	2.41	2.83
γ 104.0	3.04	2.50	2.39	2.78
γ 105.0	2.99	2.47	2.38	2.75
γ 106.0	2.95	2.44	2.38	2.73
γ 107.0	2.91	2.41	2.36	2.71
γ 108.0	2.87	2.39	2.36	2.68
γ 109.0	2.84	2.36	2.36	2.67
γ 110.0	2.79	2.35	2.37	2.66
γ 111.0	2.76	2.32	2.37	2.65
γ 112.0	2.73	2.31	2.38	2.64
γ 113.0	2.69	2.29	2.39	2.64
γ 114.0	2.66	2.27	2.42	2.64
γ 115.0	2.64	2.27	2.44	2.65
γ 116.0	2.61	2.24	2.46	2.66
γ 117.0	2.59	2.24	2.49	2.66
γ 118.0	2.57	2.23	2.52	2.69
γ 119.0	2.55	2.22	2.56	2.71
γ 120.0	2.54	2.23	2.60	2.73
γ 121.0	2.54	2.24	2.65	2.76
γ 122.0	2.54	2.25	2.71	2.79
γ 123.0	2.56	2.27	2.76	2.83
γ 124.0	2.57	2.29	2.83	2.87
γ 125.0	2.60	2.33	2.89	2.92
γ 126.0	2.63	2.38	2.97	2.98
γ 127.0	2.66	2.44	3.05	3.06
γ 128.0	2.71	2.51	3.15	3.12
γ 129.0	2.78	2.57	3.24	3.22
γ 130.0	2.84	2.65	3.35	3.31
γ 131.0	2.92	2.75	3.47	3.42
γ 132.0	3.00	2.85	3.60	3.53
γ 133.0	3.10	2.96	3.74	3.67
γ 134.0	3.20	3.08	3.88	3.80
γ 135.0	3.33	3.21	4.03	3.94
γ 136.0	3.45	3.35	4.20	4.11
γ 137.0	3.59	3.50	4.37	4.26
γ 138.0	3.75	3.67	4.55	4.44
γ 139.0	3.91	3.83	4.73	4.63
γ 140.0	4.06	4.00	4.91	4.81

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.23	4.19	5.10	5.00
γ 142.0	4.42	4.38	5.27	5.17
γ 143.0	4.60	4.56	5.48	5.37
γ 144.0	4.79	4.75	5.66	5.55
γ 145.0	4.97	4.95	5.84	5.73
γ 146.0	5.15	5.13	6.02	5.89
γ 147.0	5.33	5.30	6.17	6.05
γ 148.0	5.51	5.48	6.32	6.19
γ 149.0	5.68	5.65	6.45	6.33
γ 150.0	5.83	5.82	6.58	6.45
γ 151.0	5.99	5.96	6.71	6.58
γ 152.0	6.13	6.10	6.81	6.68
γ 153.0	6.27	6.23	6.92	6.78
γ 154.0	6.38	6.34	7.00	6.87
γ 155.0	6.51	6.44	7.08	6.94
γ 156.0	6.61	6.54	7.15	7.01
γ 157.0	6.71	6.63	7.22	7.08
γ 158.0	6.81	6.71	7.28	7.12
γ 159.0	6.89	6.78	7.33	7.18
γ 160.0	6.97	6.84	7.37	7.21
γ 161.0	7.04	6.90	7.42	7.25
γ 162.0	7.10	6.96	7.44	7.27
γ 163.0	7.14	7.02	7.47	7.28
γ 164.0	7.20	7.08	7.49	7.30
γ 165.0	7.25	7.09	7.51	7.31
γ 166.0	7.28	7.13	7.51	7.31
γ 167.0	7.32	7.16	7.51	7.31
γ 168.0	7.33	7.20	7.50	7.29
γ 169.0	7.36	7.21	7.49	7.27
γ 170.0	7.36	7.22	7.48	7.26
γ 171.0	7.38	7.23	7.47	7.23
γ 172.0	7.37	7.23	7.45	7.21
γ 173.0	7.38	7.22	7.43	7.18
γ 174.0	7.37	7.20	7.42	7.17
γ 175.0	7.36	7.21	7.39	7.17
γ 176.0	7.36	7.19	7.38	7.17
γ 177.0	7.36	7.20	7.37	7.19
γ 178.0	7.38	7.20	7.37	7.22
γ 179.0	7.37	7.20	7.39	7.24
γ 180.0	7.33	7.33	7.33	7.33