

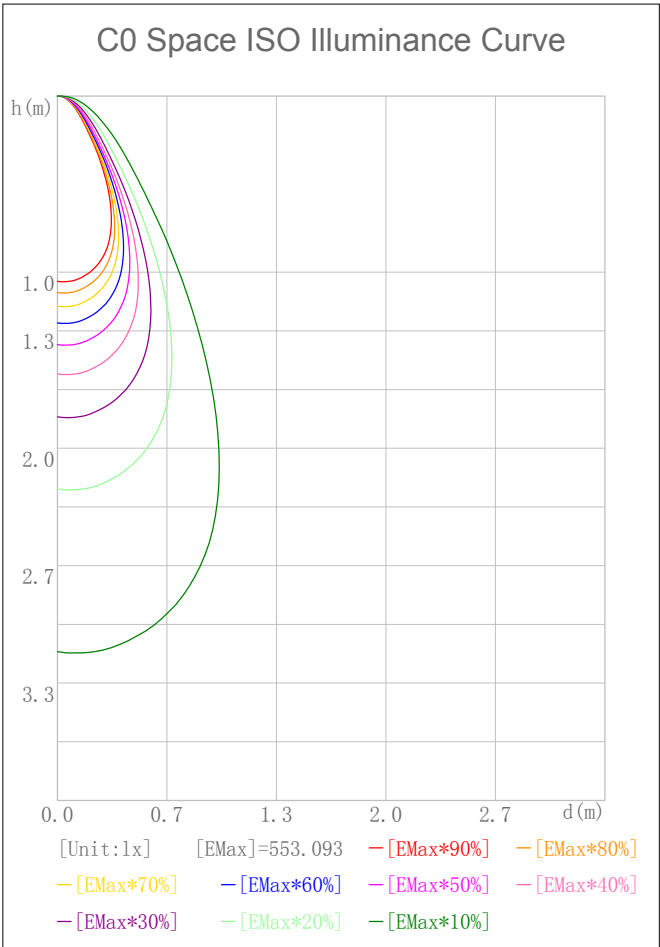
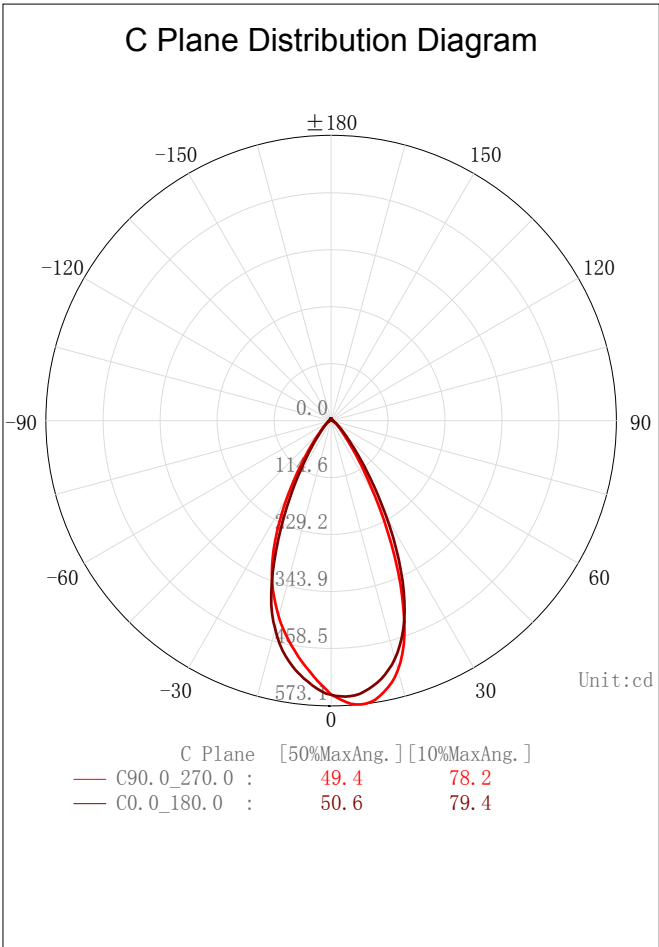
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/03/14
Manufacture: Shenzhen Norming Lighting Co., Ltd	Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.000m*0.000m*0.000m	Lum. Area (m2):0.000	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

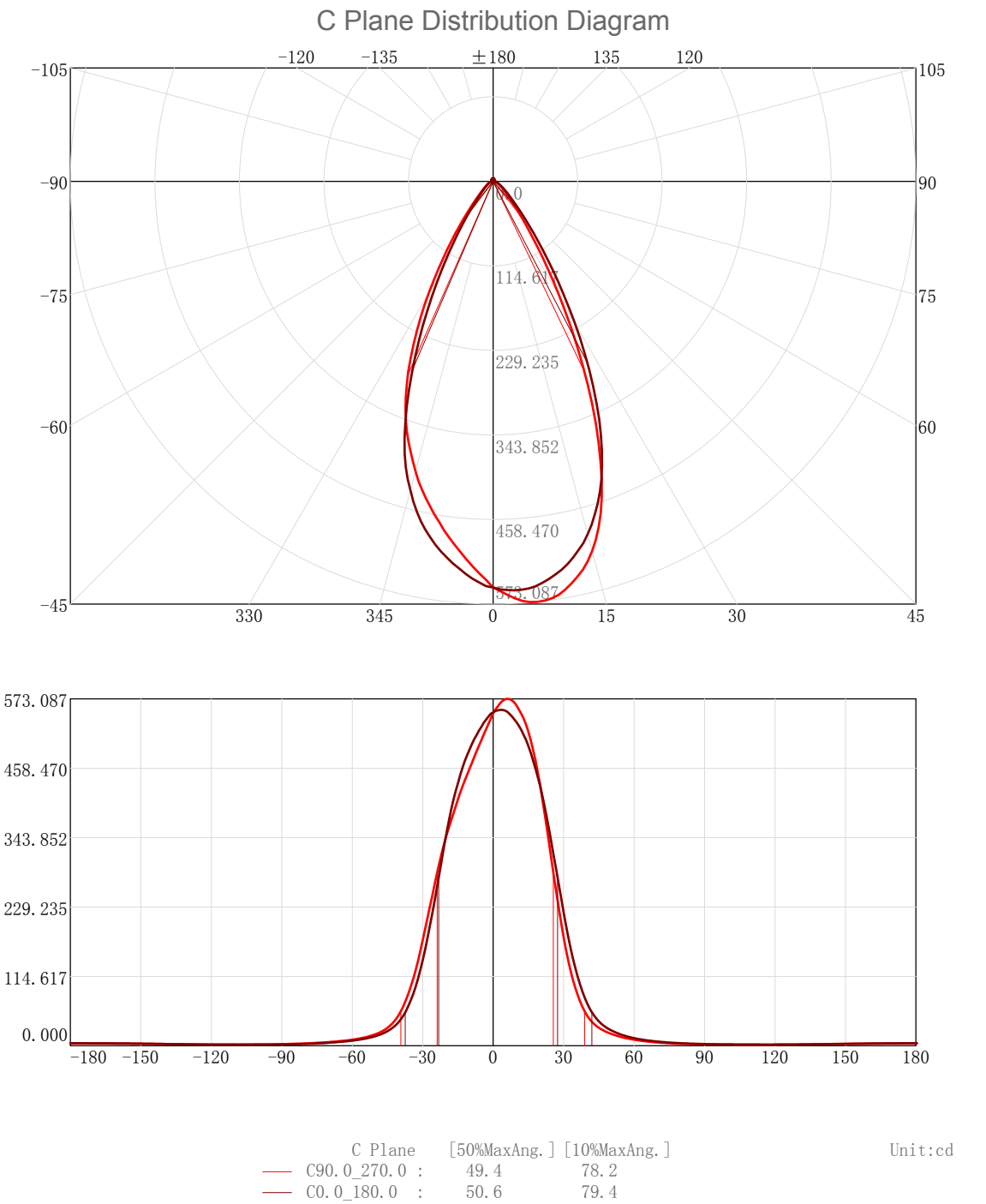
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 442.390	Luminary Flux(lm): 442.386	Field Angle(10%Imax): 78.2(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 426.342lm 96.37%
Rated Voltage(V):	Luminary EER(lm/W): 78.955	Up Lumens&Percent: 16.044lm 3.63%
Tested Power(W): 5.603	Max. Candela(cd): 573.087	S/MH: C0_a180=0.816 C90_270=0.804
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=6.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):241.0, 0.024	Beam Angle(50%Imax): 49.4(°)	ErP Φ use(90°): 382.652lm
Lamp Size (W*L*H):0.000m*0.000m*0.000m	Left=-23.8°, Right=25.6°	IRF(%): 276.763



2D Plane Light Intensity Distribution Curve

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14



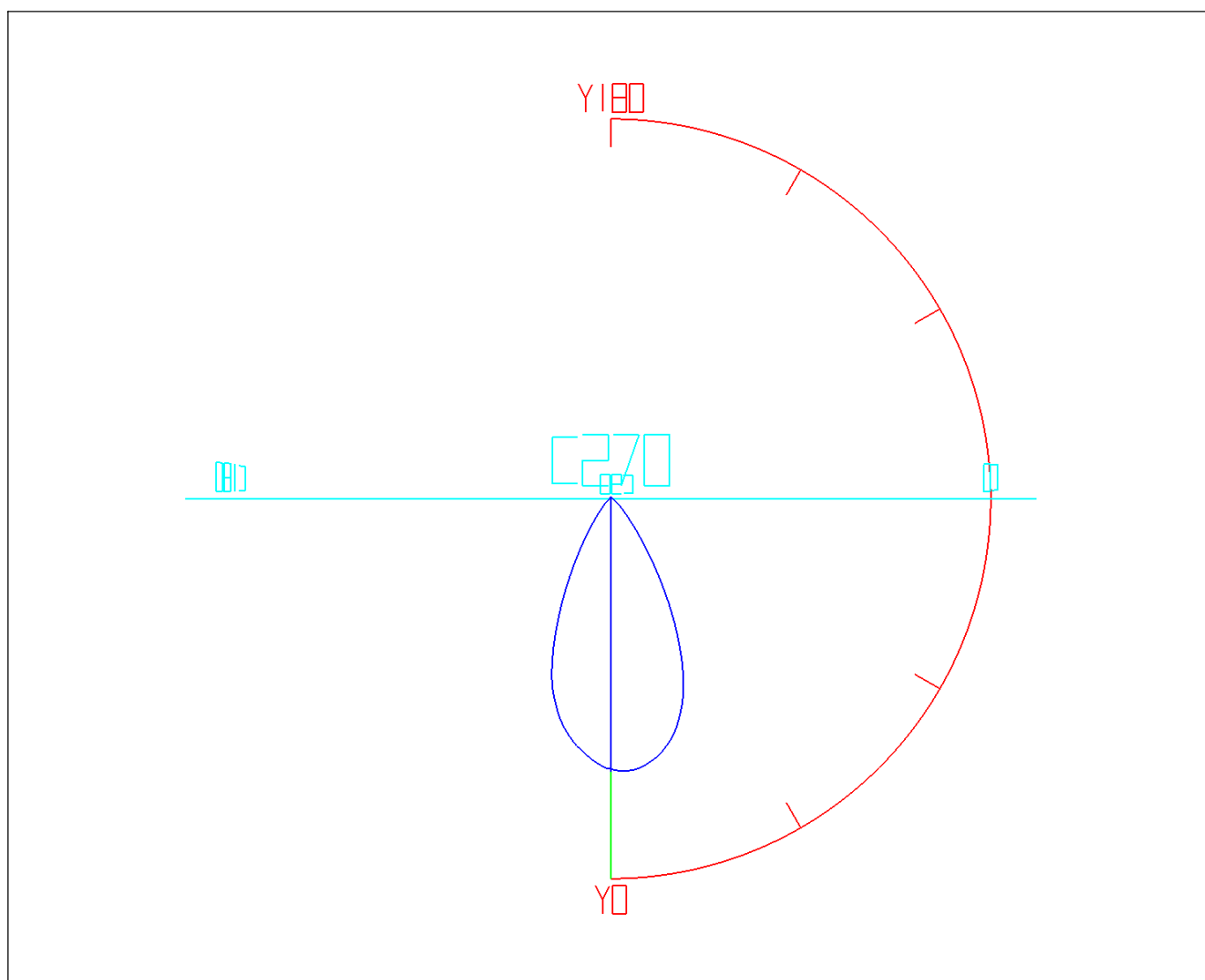
# IES Indoor Report

Photometric Filename:MD13-06-XX-01 3000K RA90 50D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14

## 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

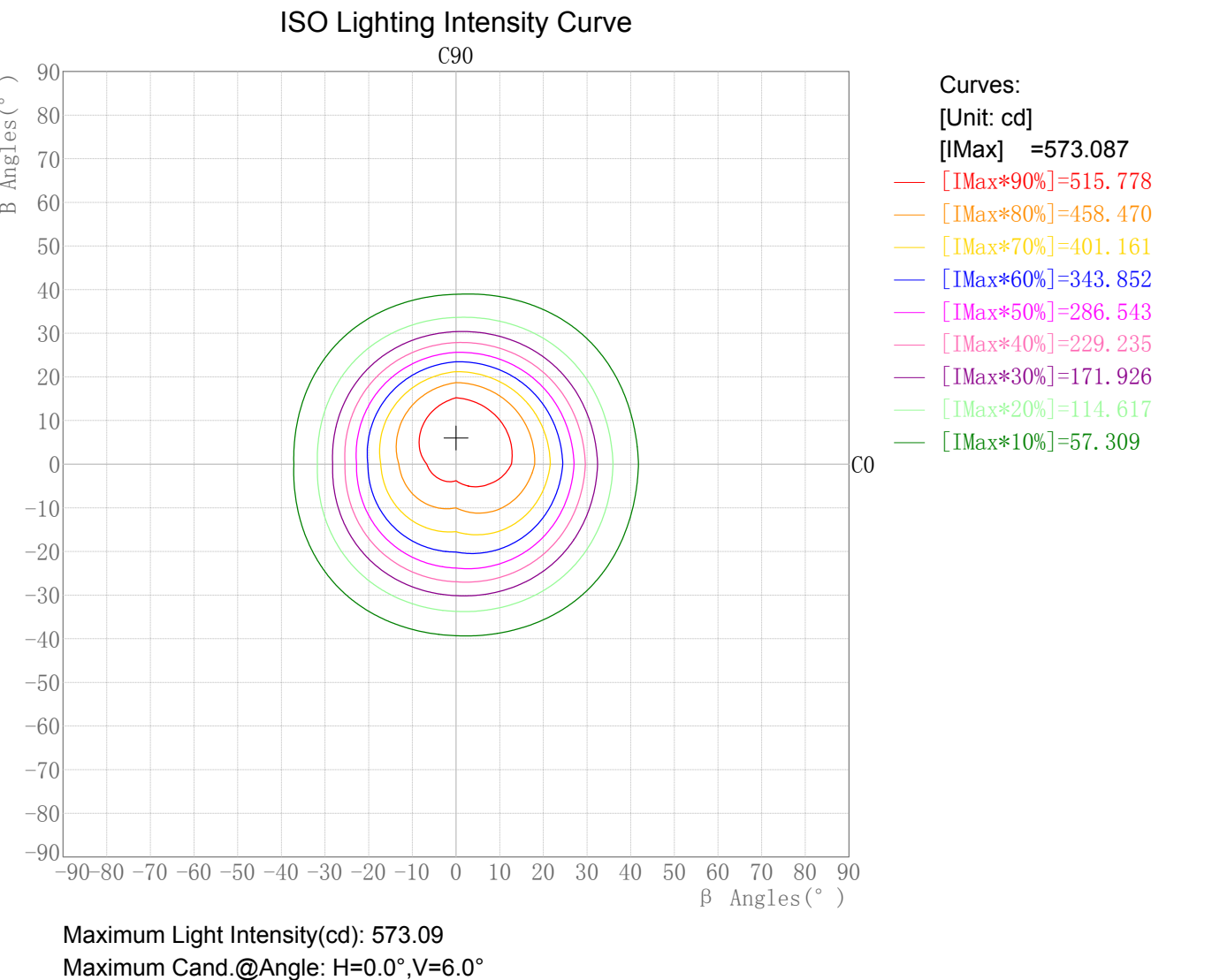
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.53	0.53	0.12	0.12	47.0-48.0	2.02	393.30	0.46	88.90
1.0-2.0	1.57	2.10	0.36	0.47	48.0-49.0	1.89	395.19	0.43	89.33
2.0-3.0	2.62	4.72	0.59	1.07	49.0-50.0	1.77	396.96	0.40	89.73
3.0-4.0	3.64	8.36	0.82	1.89	50.0-51.0	1.67	398.63	0.38	90.11
4.0-5.0	4.66	13.02	1.05	2.94	51.0-52.0	1.57	400.20	0.36	90.46
5.0-6.0	5.65	18.66	1.28	4.22	52.0-53.0	1.48	401.68	0.34	90.80
6.0-7.0	6.61	25.28	1.50	5.71	53.0-54.0	1.40	403.08	0.32	91.11
7.0-8.0	7.55	32.83	1.71	7.42	54.0-55.0	1.32	404.40	0.30	91.41
8.0-9.0	8.45	41.28	1.91	9.33	55.0-56.0	1.25	405.66	0.28	91.70
9.0-10.0	9.32	50.60	2.11	11.44	56.0-57.0	1.19	406.84	0.27	91.96
10.0-11.0	10.14	60.74	2.29	13.73	57.0-58.0	1.13	407.97	0.25	92.22
11.0-12.0	10.91	71.65	2.47	16.20	58.0-59.0	1.07	409.04	0.24	92.46
12.0-13.0	11.63	83.28	2.63	18.83	59.0-60.0	1.02	410.05	0.23	92.69
13.0-14.0	12.30	95.58	2.78	21.61	60.0-61.0	0.97	411.02	0.22	92.91
14.0-15.0	12.89	108.47	2.91	24.52	61.0-62.0	0.92	411.94	0.21	93.12
15.0-16.0	13.40	121.87	3.03	27.55	62.0-63.0	0.88	412.81	0.20	93.31
16.0-17.0	13.83	135.70	3.13	30.67	63.0-64.0	0.83	413.65	0.19	93.50
17.0-18.0	14.18	149.88	3.20	33.88	64.0-65.0	0.80	414.44	0.18	93.68
18.0-19.0	14.42	164.30	3.26	37.14	65.0-66.0	0.76	415.20	0.17	93.85
19.0-20.0	14.54	178.84	3.29	40.43	66.0-67.0	0.72	415.92	0.16	94.02
20.0-21.0	14.55	193.38	3.29	43.71	67.0-68.0	0.69	416.62	0.16	94.17
21.0-22.0	14.43	207.81	3.26	46.97	68.0-69.0	0.66	417.27	0.15	94.32
22.0-23.0	14.20	222.02	3.21	50.19	69.0-70.0	0.63	417.91	0.14	94.47
23.0-24.0	13.87	235.89	3.14	53.32	70.0-71.0	0.60	418.51	0.14	94.60
24.0-25.0	13.44	249.33	3.04	56.36	71.0-72.0	0.58	419.08	0.13	94.73
25.0-26.0	12.91	262.24	2.92	59.28	72.0-73.0	0.55	419.64	0.12	94.86
26.0-27.0	12.31	274.54	2.78	62.06	73.0-74.0	0.53	420.16	0.12	94.98
27.0-28.0	11.64	286.19	2.63	64.69	74.0-75.0	0.51	420.67	0.11	95.09
28.0-29.0	10.94	297.12	2.47	67.16	75.0-76.0	0.49	421.16	0.11	95.20
29.0-30.0	10.19	307.32	2.30	69.47	76.0-77.0	0.47	421.62	0.11	95.31
30.0-31.0	9.43	316.75	2.13	71.60	77.0-78.0	0.45	422.07	0.10	95.41
31.0-32.0	8.68	325.43	1.96	73.56	78.0-79.0	0.43	422.50	0.10	95.50
32.0-33.0	7.95	333.37	1.80	75.36	79.0-80.0	0.41	422.91	0.09	95.60
33.0-34.0	7.24	340.62	1.64	76.99	80.0-81.0	0.40	423.31	0.09	95.69
34.0-35.0	6.58	347.19	1.49	78.48	81.0-82.0	0.39	423.70	0.09	95.77
35.0-36.0	5.96	353.15	1.35	79.83	82.0-83.0	0.37	424.07	0.08	95.86
36.0-37.0	5.39	358.54	1.22	81.05	83.0-84.0	0.36	424.43	0.08	95.94
37.0-38.0	4.86	363.40	1.10	82.15	84.0-85.0	0.35	424.78	0.08	96.02
38.0-39.0	4.39	367.79	0.99	83.14	85.0-86.0	0.34	425.12	0.08	96.10
39.0-40.0	3.96	371.75	0.90	84.03	86.0-87.0	0.33	425.45	0.07	96.17
40.0-41.0	3.59	375.34	0.81	84.84	87.0-88.0	0.31	425.76	0.07	96.24
41.0-42.0	3.26	378.60	0.74	85.58	88.0-89.0	0.30	426.06	0.07	96.31
42.0-43.0	2.97	381.57	0.67	86.25	89.0-90.0	0.28	426.34	0.06	96.37
43.0-44.0	2.72	384.29	0.62	86.87	90.0-91.0	0.28	426.62	0.06	96.43
44.0-45.0	2.51	386.80	0.57	87.43	91.0-92.0	0.27	426.89	0.06	96.50
45.0-46.0	2.32	389.12	0.53	87.96	92.0-93.0	0.27	427.16	0.06	96.56
46.0-47.0	2.16	391.28	0.49	88.45	93.0-94.0	0.26	427.42	0.06	96.62

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	0.26	427.68	0.06	96.67	141.0-142.0	0.20	437.63	0.05	98.92
95.0-96.0	0.25	427.93	0.06	96.73	142.0-143.0	0.20	437.83	0.05	98.97
96.0-97.0	0.25	428.19	0.06	96.79	143.0-144.0	0.20	438.03	0.05	99.02
97.0-98.0	0.25	428.43	0.06	96.84	144.0-145.0	0.20	438.23	0.05	99.06
98.0-99.0	0.24	428.68	0.06	96.90	145.0-146.0	0.20	438.43	0.04	99.10
99.0-100.0	0.24	428.92	0.05	96.95	146.0-147.0	0.20	438.63	0.04	99.15
100.0-101.0	0.24	429.15	0.05	97.01	147.0-148.0	0.19	438.82	0.04	99.19
101.0-102.0	0.23	429.38	0.05	97.06	148.0-149.0	0.19	439.01	0.04	99.24
102.0-103.0	0.23	429.61	0.05	97.11	149.0-150.0	0.19	439.20	0.04	99.28
103.0-104.0	0.23	429.84	0.05	97.16	150.0-151.0	0.19	439.38	0.04	99.32
104.0-105.0	0.22	430.06	0.05	97.21	151.0-152.0	0.18	439.57	0.04	99.36
105.0-106.0	0.22	430.29	0.05	97.26	152.0-153.0	0.18	439.75	0.04	99.40
106.0-107.0	0.22	430.50	0.05	97.31	153.0-154.0	0.17	439.92	0.04	99.44
107.0-108.0	0.22	430.72	0.05	97.36	154.0-155.0	0.17	440.09	0.04	99.48
108.0-109.0	0.21	430.93	0.05	97.41	155.0-156.0	0.17	440.26	0.04	99.52
109.0-110.0	0.21	431.14	0.05	97.46	156.0-157.0	0.16	440.42	0.04	99.55
110.0-111.0	0.21	431.35	0.05	97.51	157.0-158.0	0.16	440.58	0.04	99.59
111.0-112.0	0.21	431.56	0.05	97.55	158.0-159.0	0.15	440.73	0.03	99.62
112.0-113.0	0.21	431.77	0.05	97.60	159.0-160.0	0.15	440.87	0.03	99.66
113.0-114.0	0.20	431.97	0.05	97.64	160.0-161.0	0.14	441.01	0.03	99.69
114.0-115.0	0.20	432.17	0.05	97.69	161.0-162.0	0.13	441.15	0.03	99.72
115.0-116.0	0.20	432.38	0.05	97.74	162.0-163.0	0.13	441.28	0.03	99.75
116.0-117.0	0.20	432.58	0.05	97.78	163.0-164.0	0.12	441.40	0.03	99.78
117.0-118.0	0.20	432.78	0.05	97.83	164.0-165.0	0.12	441.51	0.03	99.80
118.0-119.0	0.20	432.98	0.05	97.87	165.0-166.0	0.11	441.62	0.02	99.83
119.0-120.0	0.20	433.18	0.05	97.92	166.0-167.0	0.10	441.72	0.02	99.85
120.0-121.0	0.20	433.38	0.05	97.96	167.0-168.0	0.10	441.82	0.02	99.87
121.0-122.0	0.20	433.58	0.05	98.01	168.0-169.0	0.09	441.91	0.02	99.89
122.0-123.0	0.20	433.78	0.05	98.05	169.0-170.0	0.08	441.99	0.02	99.91
123.0-124.0	0.20	433.98	0.05	98.10	170.0-171.0	0.07	442.06	0.02	99.93
124.0-125.0	0.20	434.18	0.05	98.14	171.0-172.0	0.07	442.13	0.02	99.94
125.0-126.0	0.20	434.38	0.05	98.19	172.0-173.0	0.06	442.19	0.01	99.95
126.0-127.0	0.20	434.58	0.05	98.23	173.0-174.0	0.05	442.24	0.01	99.97
127.0-128.0	0.20	434.78	0.05	98.28	174.0-175.0	0.04	442.29	0.01	99.98
128.0-129.0	0.20	434.98	0.05	98.33	175.0-176.0	0.04	442.32	0.01	99.98
129.0-130.0	0.20	435.18	0.05	98.37	176.0-177.0	0.03	442.35	0.01	99.99
130.0-131.0	0.20	435.39	0.05	98.42	177.0-178.0	0.02	442.37	0.00	100.00
131.0-132.0	0.20	435.59	0.05	98.46	178.0-179.0	0.01	442.38	0.00	100.00
132.0-133.0	0.20	435.79	0.05	98.51	179.0-180.0	0.00	442.39	0.00	100.00
133.0-134.0	0.20	436.00	0.05	98.56					
134.0-135.0	0.20	436.20	0.05	98.60					
135.0-136.0	0.20	436.41	0.05	98.65					
136.0-137.0	0.20	436.61	0.05	98.69					
137.0-138.0	0.20	436.82	0.05	98.74					
138.0-139.0	0.20	437.02	0.05	98.79					
139.0-140.0	0.20	437.23	0.05	98.83					
140.0-141.0	0.20	437.43	0.05	98.88					

Rectangle ISO Lighting Intensity Diagram

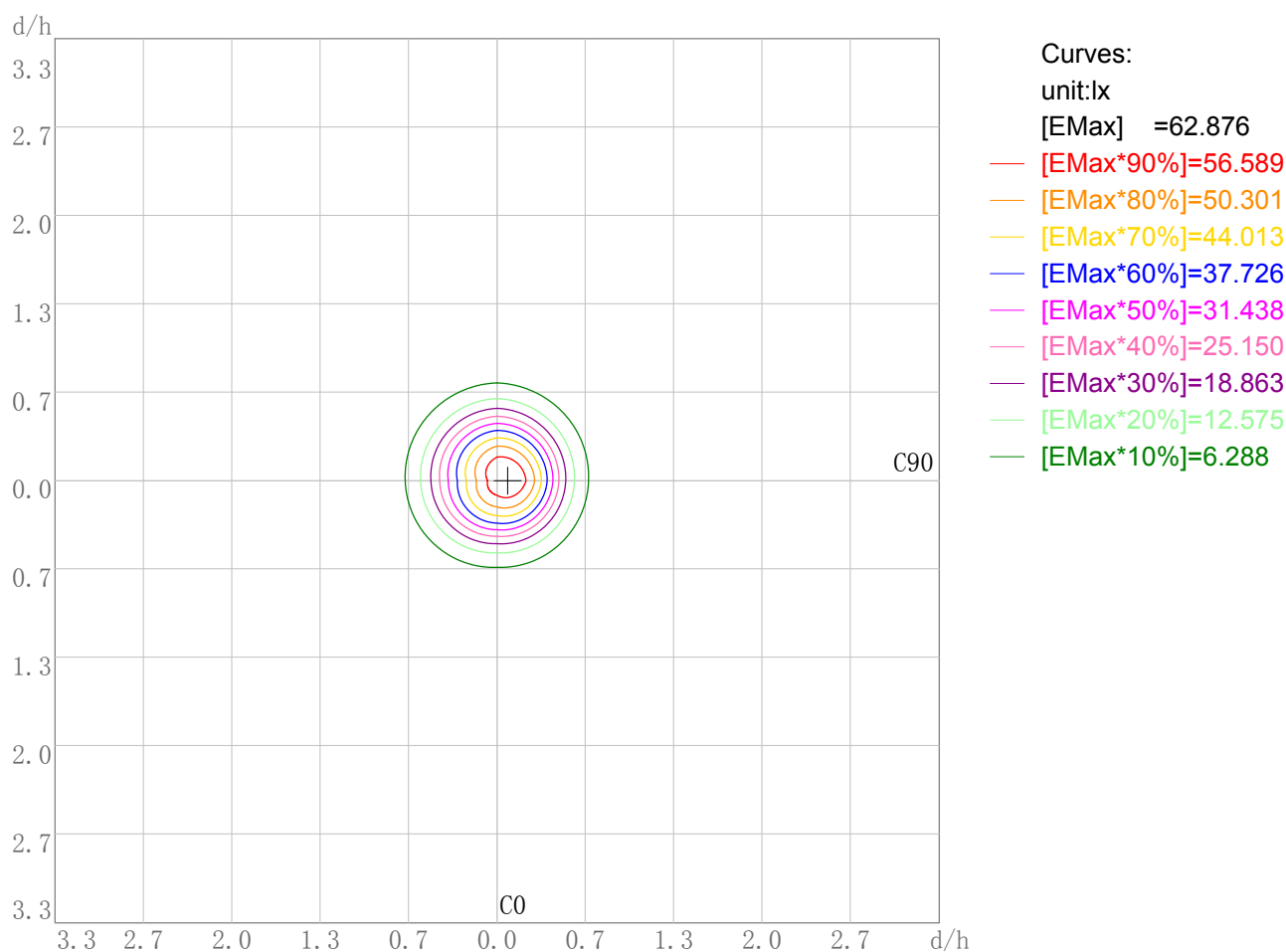
Lum. Name:MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14



## Plane ISO-Illuminance Diagram

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2020/03/14

## Plane ISO-Illuminance Curve



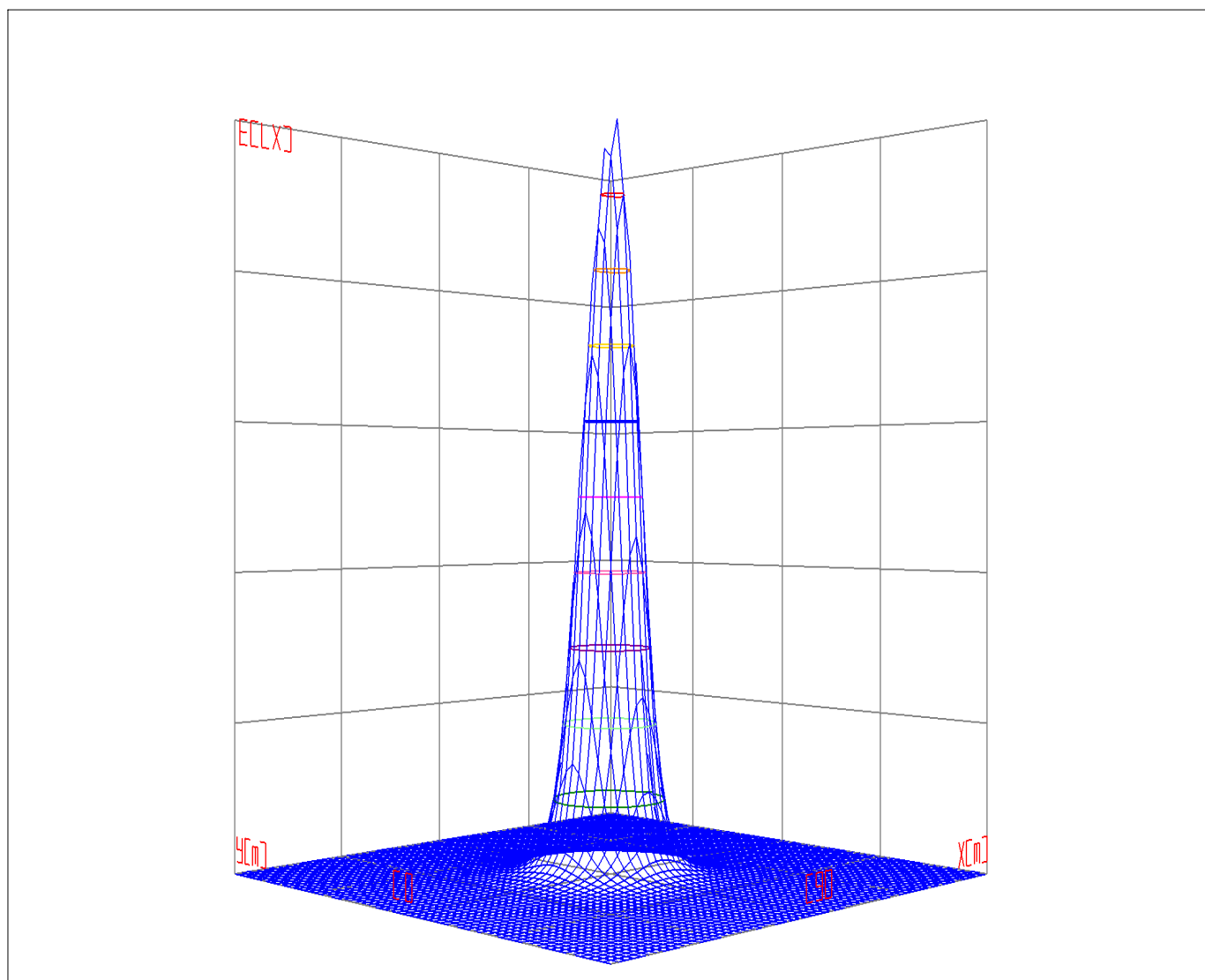
# IES Indoor Report

Photometric Filename:MD13-06-XX-01 3000K RA90 50D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14

## 3D Plane Illuminance Modal



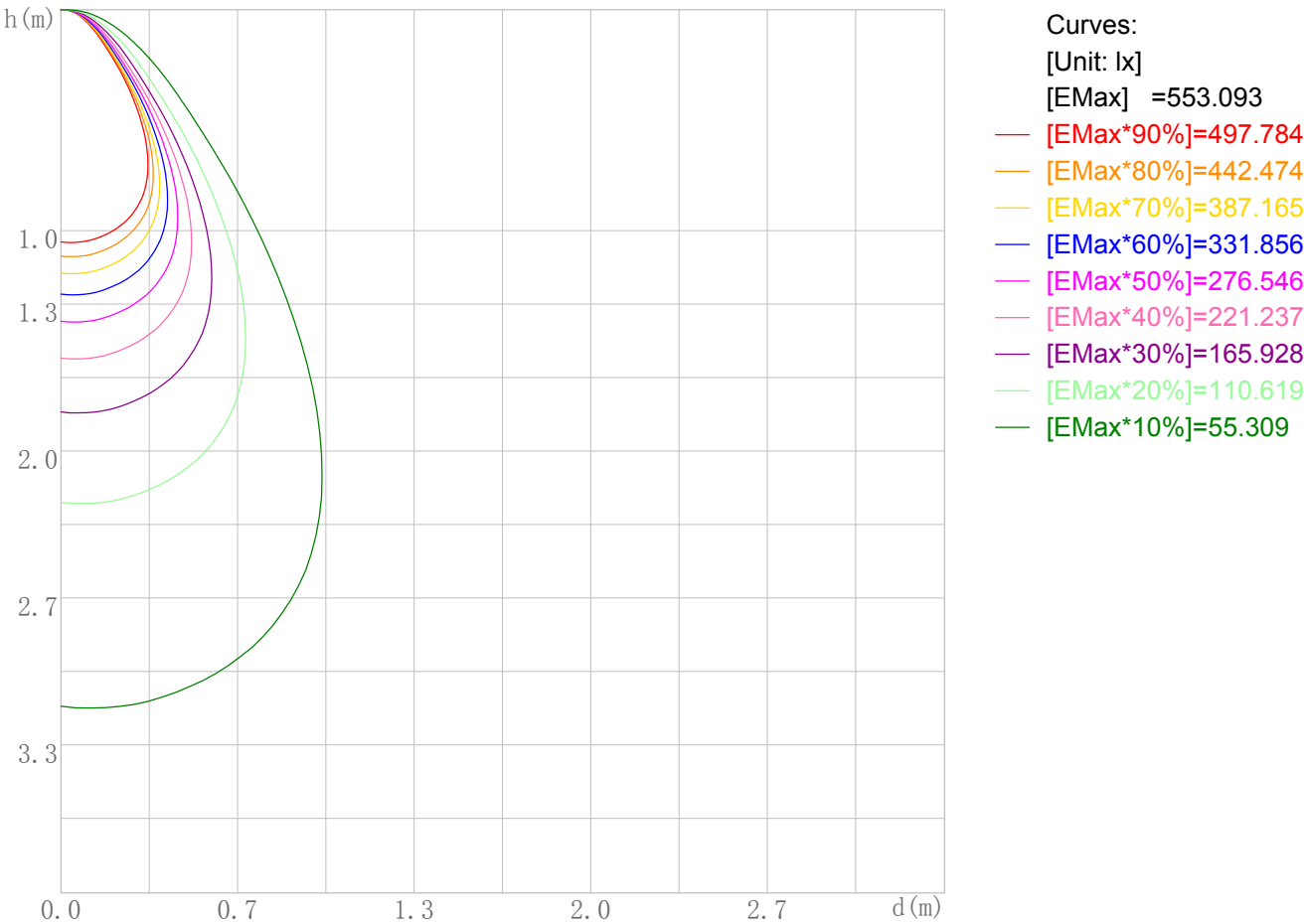
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



Space ISO Illuminance Diagram

Lum. Name:MD13-06-XX-01 3000K RA90 50D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14

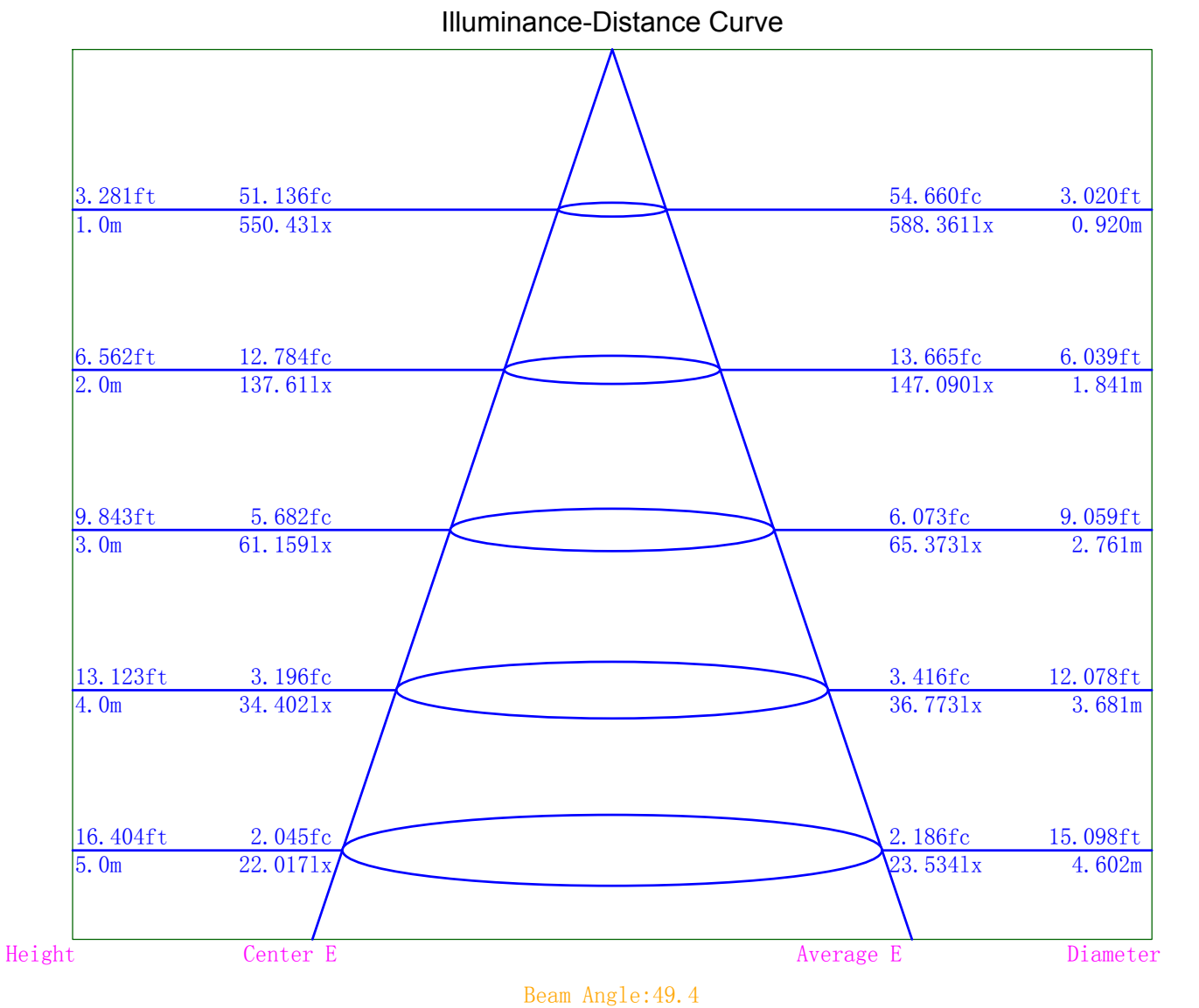
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:553.09lx,2.0deg  
Plane Maximum Lighting Intensity and @Angle:554.984cd,0deg

Illuminance-Distance Diagram

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14



# IES Indoor Report

Photometric Filename:MD13-06-XX-01 3000K RA90 50D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14

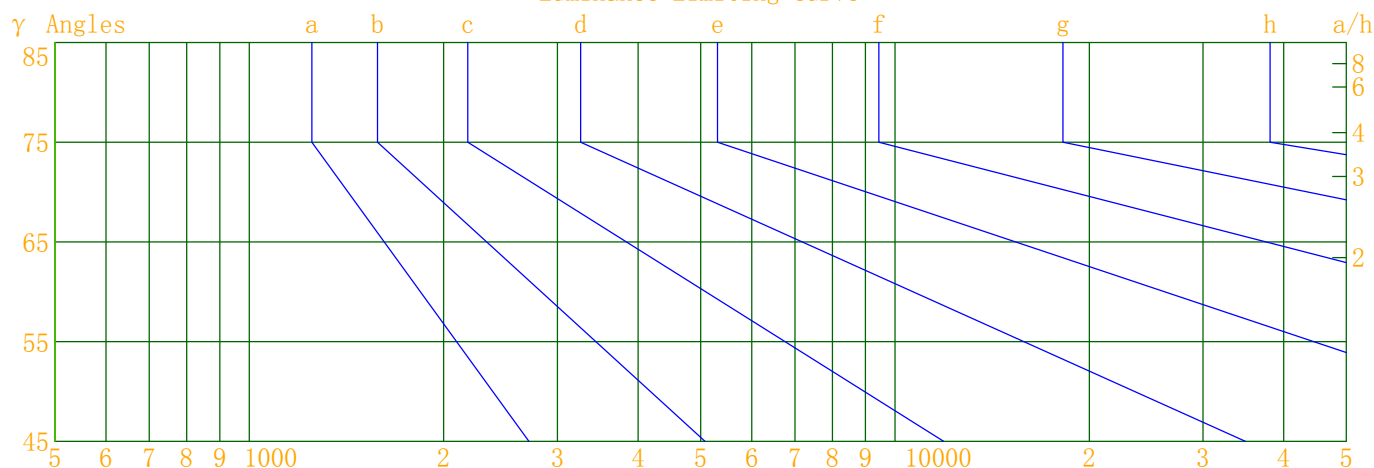
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



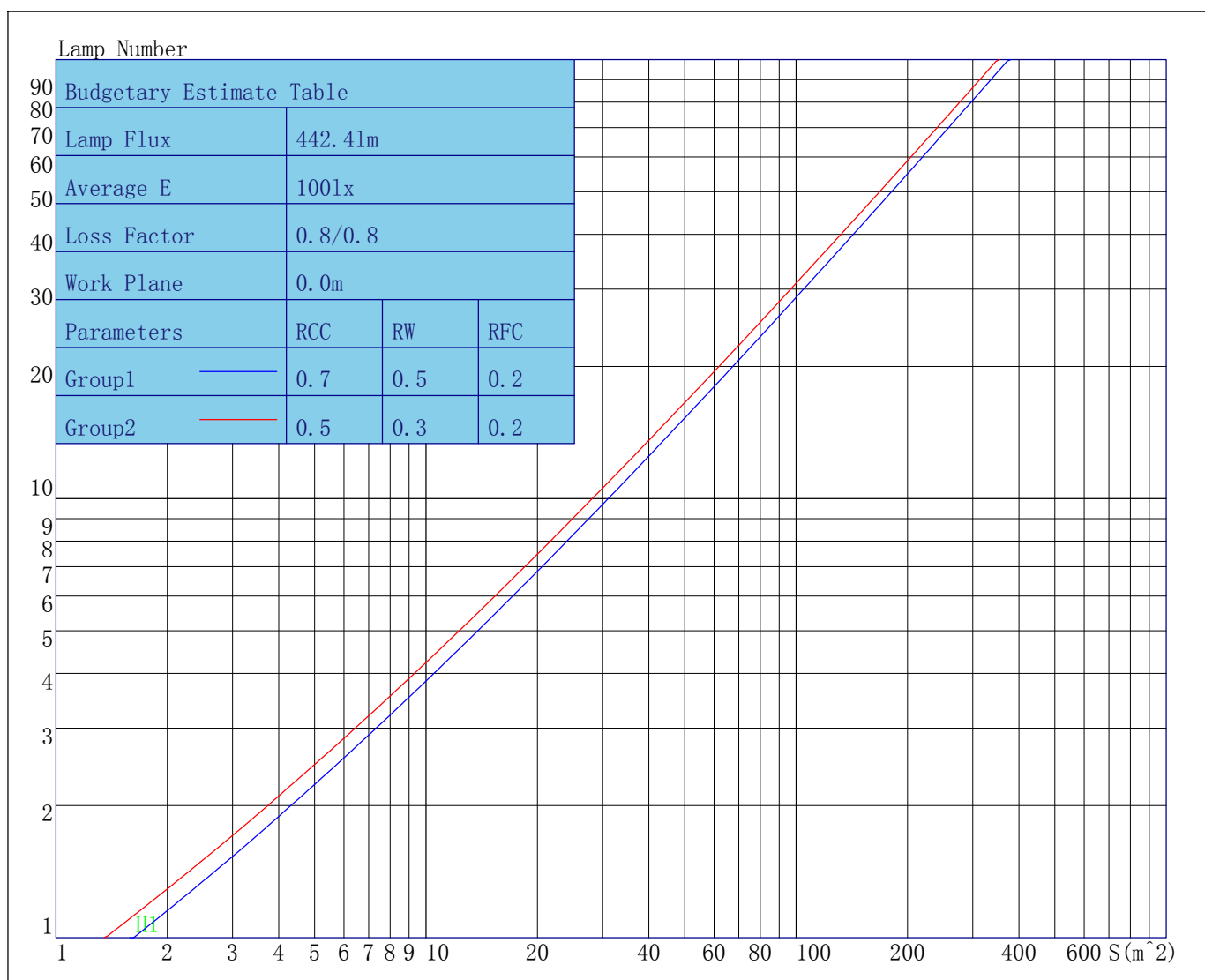
Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD13-06-XX-01 3000K RA90 50D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14



Indoor Coefficient of Utilization Table

Lum. Name: MD13-06-XX-01 3000K RA90 50D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/03/14

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	109	109	109	104	104	104	99	99	99	96
1	112	109	106	104	109	106	104	102	102	100	98	97	96	94	93	92	91	89
2	106	101	96	93	103	99	95	91	95	92	89	91	89	86	88	86	84	82
3	100	94	88	84	98	92	87	83	89	85	81	86	82	80	83	80	78	76
4	95	87	82	77	93	86	81	76	83	79	75	81	77	74	79	75	73	71
5	90	82	76	71	88	81	75	71	78	73	70	76	72	69	74	71	68	66
6	86	77	71	66	84	76	70	66	74	69	65	72	68	64	70	67	64	62
7	82	72	66	62	80	71	66	62	70	65	61	68	64	60	67	63	60	58
8	78	68	62	58	76	67	62	58	66	61	57	65	60	57	63	59	56	55
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	60	56	53	52
10	71	61	55	51	70	61	55	51	60	54	51	59	54	51	58	53	50	49

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), plus variations with observer position and UGR table details.

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	550.43	550.43	550.43	550.43
γ 1.0	553.17	555.39	548.64	540.24
γ 2.0	554.10	560.73	543.91	531.86
γ 3.0	554.98	565.82	538.99	523.12
γ 4.0	554.72	570.02	533.38	513.90
γ 5.0	553.86	572.28	526.67	504.57
γ 6.0	551.72	573.09	520.69	495.74
γ 7.0	548.17	572.54	513.62	486.82
γ 8.0	544.12	570.63	506.85	477.54
γ 9.0	539.30	567.44	498.83	467.45
γ 10.0	534.46	562.01	490.05	458.50
γ 11.0	528.49	555.50	480.94	448.58
γ 12.0	521.35	548.13	470.98	438.85
γ 13.0	513.24	540.24	459.66	428.64
γ 14.0	505.28	530.39	447.13	418.44
γ 15.0	495.16	518.71	433.29	406.72
γ 16.0	484.26	505.15	419.90	394.80
γ 17.0	471.63	489.37	404.98	382.77
γ 18.0	458.80	472.31	388.12	371.28
γ 19.0	444.51	452.40	368.94	358.88
γ 20.0	429.33	430.66	348.01	345.69
γ 21.0	411.91	406.23	326.81	331.35
γ 22.0	393.50	381.70	304.19	316.11
γ 23.0	374.06	356.33	281.79	299.93
γ 24.0	353.53	329.95	259.65	283.17
γ 25.0	331.58	303.20	237.93	264.98
γ 26.0	309.54	276.49	217.02	246.50
γ 27.0	287.35	250.58	196.33	228.23
γ 28.0	265.01	225.95	176.49	209.75
γ 29.0	242.96	202.05	157.95	191.95
γ 30.0	220.74	179.79	140.82	173.99
γ 31.0	199.66	159.02	125.16	156.43
γ 32.0	179.73	140.67	110.84	140.05
γ 33.0	161.27	123.88	97.74	124.72
γ 34.0	144.00	108.82	86.07	110.90
γ 35.0	128.17	95.43	75.65	98.31
γ 36.0	113.98	83.82	66.49	86.86
γ 37.0	101.15	73.39	58.29	76.72
γ 38.0	89.70	64.51	51.28	67.59
γ 39.0	79.56	56.76	45.42	59.44
γ 40.0	70.54	50.13	40.34	52.36
γ 41.0	62.61	44.52	36.01	46.23
γ 42.0	55.79	39.88	32.35	41.02
γ 43.0	49.89	35.97	29.23	36.56
γ 44.0	44.90	32.70	26.52	32.80
γ 45.0	40.56	29.87	24.24	29.59
γ 46.0	36.77	27.41	22.20	26.92

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	33.57	25.28	20.41	24.63
γ 48.0	30.77	23.38	18.88	22.63
γ 49.0	28.30	21.67	17.47	20.89
γ 50.0	26.14	20.14	16.17	19.32
γ 51.0	24.21	18.70	15.04	17.93
γ 52.0	22.43	17.42	14.03	16.69
γ 53.0	20.82	16.23	13.11	15.58
γ 54.0	19.34	15.13	12.29	14.56
γ 55.0	17.97	14.13	11.53	13.65
γ 56.0	16.76	13.21	10.85	12.81
γ 57.0	15.63	12.35	10.21	12.05
γ 58.0	14.58	11.58	9.65	11.34
γ 59.0	13.62	10.85	9.10	10.73
γ 60.0	12.75	10.19	8.60	10.15
γ 61.0	11.93	9.57	8.14	9.62
γ 62.0	11.21	8.98	7.71	9.12
γ 63.0	10.55	8.44	7.30	8.66
γ 64.0	9.95	7.95	6.92	8.23
γ 65.0	9.37	7.46	6.56	7.84
γ 66.0	8.85	7.02	6.24	7.47
γ 67.0	8.35	6.61	5.92	7.11
γ 68.0	7.90	6.24	5.63	6.77
γ 69.0	7.47	5.90	5.36	6.47
γ 70.0	7.08	5.57	5.10	6.17
γ 71.0	6.71	5.26	4.85	5.90
γ 72.0	6.36	4.99	4.62	5.64
γ 73.0	6.07	4.73	4.40	5.39
γ 74.0	5.77	4.48	4.21	5.16
γ 75.0	5.50	4.26	4.02	4.94
γ 76.0	5.23	4.07	3.86	4.72
γ 77.0	4.98	3.90	3.68	4.52
γ 78.0	4.76	3.72	3.53	4.33
γ 79.0	4.55	3.57	3.39	4.16
γ 80.0	4.35	3.43	3.26	4.00
γ 81.0	4.17	3.30	3.15	3.86
γ 82.0	4.01	3.18	3.05	3.73
γ 83.0	3.86	3.08	2.94	3.61
γ 84.0	3.73	2.98	2.83	3.49
γ 85.0	3.58	2.88	2.73	3.37
γ 86.0	3.46	2.79	2.63	3.25
γ 87.0	3.33	2.68	2.53	3.11
γ 88.0	3.21	2.58	2.36	3.03
γ 89.0	3.08	2.32	2.28	2.91
γ 90.0	2.92	2.24	2.24	2.79
γ 91.0	2.84	2.21	2.21	2.74
γ 92.0	2.79	2.18	2.18	2.69
γ 93.0	2.73	2.14	2.15	2.66



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	2.69	2.11	2.12	2.62
γ 95.0	2.65	2.09	2.10	2.57
γ 96.0	2.60	2.05	2.08	2.53
γ 97.0	2.56	2.02	2.05	2.50
γ 98.0	2.53	2.00	2.04	2.47
γ 99.0	2.49	1.98	2.02	2.44
γ 100.0	2.44	1.96	1.99	2.41
γ 101.0	2.40	1.93	1.99	2.38
γ 102.0	2.39	1.91	1.98	2.36
γ 103.0	2.35	1.89	1.96	2.33
γ 104.0	2.32	1.87	1.96	2.31
γ 105.0	2.29	1.86	1.94	2.29
γ 106.0	2.26	1.86	1.94	2.27
γ 107.0	2.25	1.85	1.93	2.26
γ 108.0	2.22	1.84	1.92	2.24
γ 109.0	2.20	1.83	1.93	2.23
γ 110.0	2.19	1.83	1.93	2.22
γ 111.0	2.17	1.82	1.93	2.21
γ 112.0	2.16	1.82	1.94	2.21
γ 113.0	2.15	1.82	1.95	2.20
γ 114.0	2.15	1.83	1.97	2.21
γ 115.0	2.15	1.83	1.99	2.22
γ 116.0	2.13	1.83	2.00	2.21
γ 117.0	2.13	1.85	2.01	2.23
γ 118.0	2.14	1.87	2.04	2.24
γ 119.0	2.14	1.88	2.06	2.24
γ 120.0	2.16	1.89	2.09	2.27
γ 121.0	2.17	1.91	2.12	2.29
γ 122.0	2.17	1.94	2.15	2.32
γ 123.0	2.19	1.96	2.19	2.34
γ 124.0	2.20	1.99	2.23	2.37
γ 125.0	2.23	2.02	2.28	2.40
γ 126.0	2.26	2.04	2.31	2.43
γ 127.0	2.28	2.08	2.34	2.47
γ 128.0	2.31	2.12	2.39	2.51
γ 129.0	2.34	2.15	2.45	2.56
γ 130.0	2.38	2.19	2.49	2.60
γ 131.0	2.40	2.23	2.54	2.63
γ 132.0	2.44	2.27	2.59	2.68
γ 133.0	2.48	2.31	2.65	2.73
γ 134.0	2.52	2.35	2.70	2.78
γ 135.0	2.57	2.40	2.75	2.83
γ 136.0	2.61	2.45	2.81	2.88
γ 137.0	2.66	2.49	2.86	2.93
γ 138.0	2.71	2.55	2.92	2.98
γ 139.0	2.75	2.60	2.98	3.03
γ 140.0	2.81	2.65	3.03	3.08

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	2.85	2.71	3.09	3.13
γ 142.0	2.90	2.76	3.14	3.18
γ 143.0	2.95	2.81	3.20	3.23
γ 144.0	3.01	2.88	3.24	3.29
γ 145.0	3.06	2.92	3.30	3.33
γ 146.0	3.11	2.99	3.35	3.38
γ 147.0	3.16	3.04	3.40	3.43
γ 148.0	3.22	3.09	3.46	3.47
γ 149.0	3.27	3.15	3.51	3.51
γ 150.0	3.32	3.20	3.55	3.57
γ 151.0	3.37	3.25	3.60	3.60
γ 152.0	3.43	3.30	3.65	3.64
γ 153.0	3.48	3.36	3.69	3.68
γ 154.0	3.52	3.41	3.73	3.71
γ 155.0	3.58	3.46	3.77	3.75
γ 156.0	3.61	3.50	3.80	3.78
γ 157.0	3.65	3.55	3.84	3.81
γ 158.0	3.69	3.60	3.86	3.83
γ 159.0	3.75	3.63	3.90	3.86
γ 160.0	3.78	3.67	3.92	3.88
γ 161.0	3.82	3.71	3.96	3.91
γ 162.0	3.85	3.75	3.98	3.93
γ 163.0	3.88	3.78	4.01	3.95
γ 164.0	3.92	3.82	4.03	3.97
γ 165.0	3.95	3.85	4.04	4.00
γ 166.0	3.98	3.88	4.07	4.02
γ 167.0	4.01	3.91	4.09	4.04
γ 168.0	4.04	3.94	4.12	4.07
γ 169.0	4.07	3.97	4.12	4.09
γ 170.0	4.09	3.99	4.15	4.10
γ 171.0	4.12	4.01	4.17	4.12
γ 172.0	4.15	4.03	4.18	4.14
γ 173.0	4.18	4.05	4.20	4.16
γ 174.0	4.20	4.07	4.22	4.18
γ 175.0	4.22	4.09	4.22	4.19
γ 176.0	4.23	4.11	4.24	4.20
γ 177.0	4.25	4.11	4.25	4.21
γ 178.0	4.26	4.13	4.25	4.23
γ 179.0	4.27	4.13	4.27	4.24
γ 180.0	4.24	4.24	4.24	4.24