

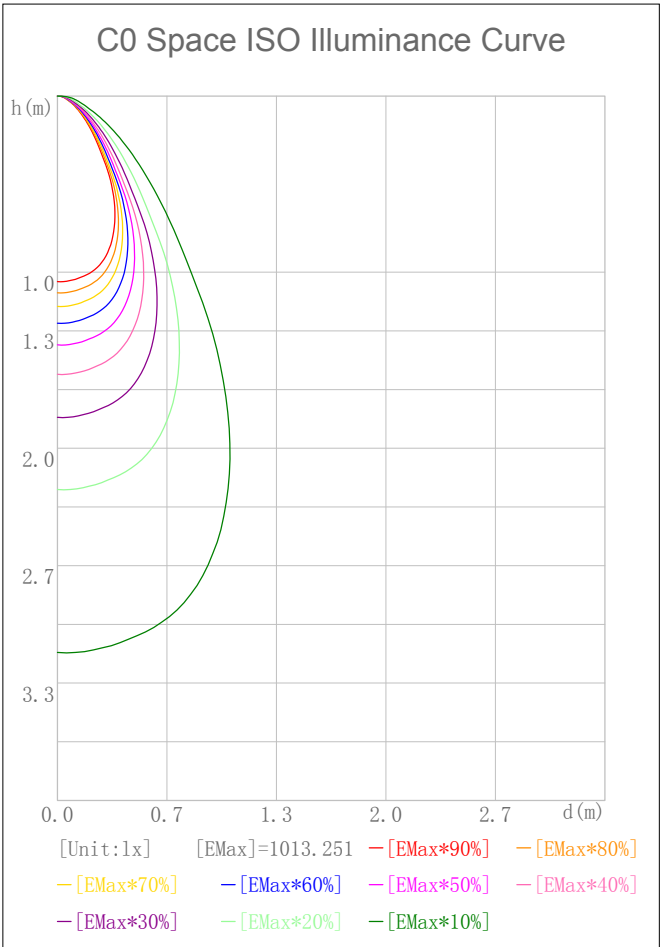
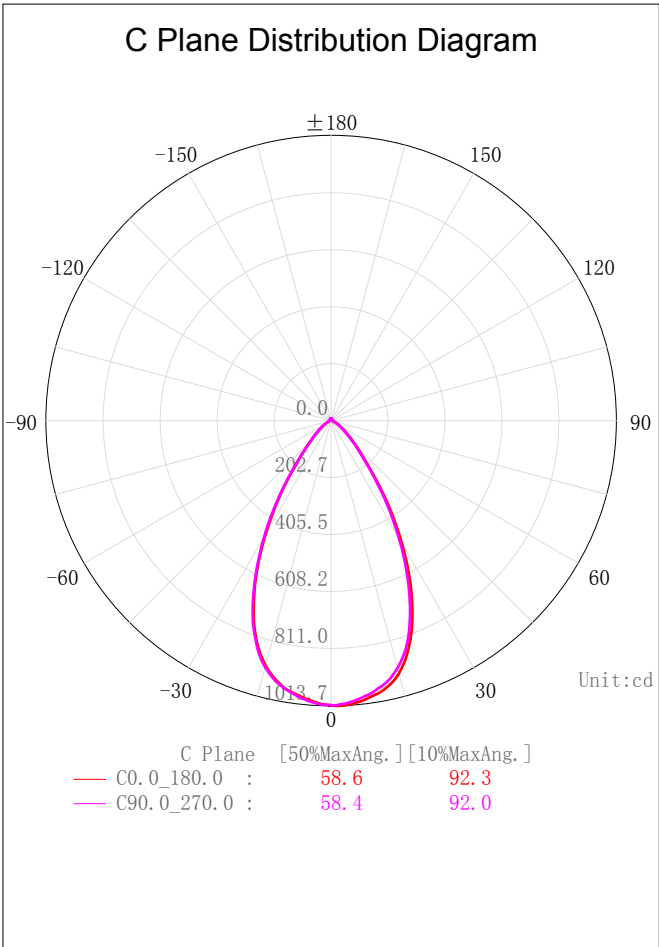
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-01 2700K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/21
Manufacture: Shenzhen Norming Lighting Co., Ltd	Shld.Angle(°):	Test Machine:GON-2000
Test Lab: QUality peatment	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.060m*0.060m*0.185m	Lum. Area (m2):0.015	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

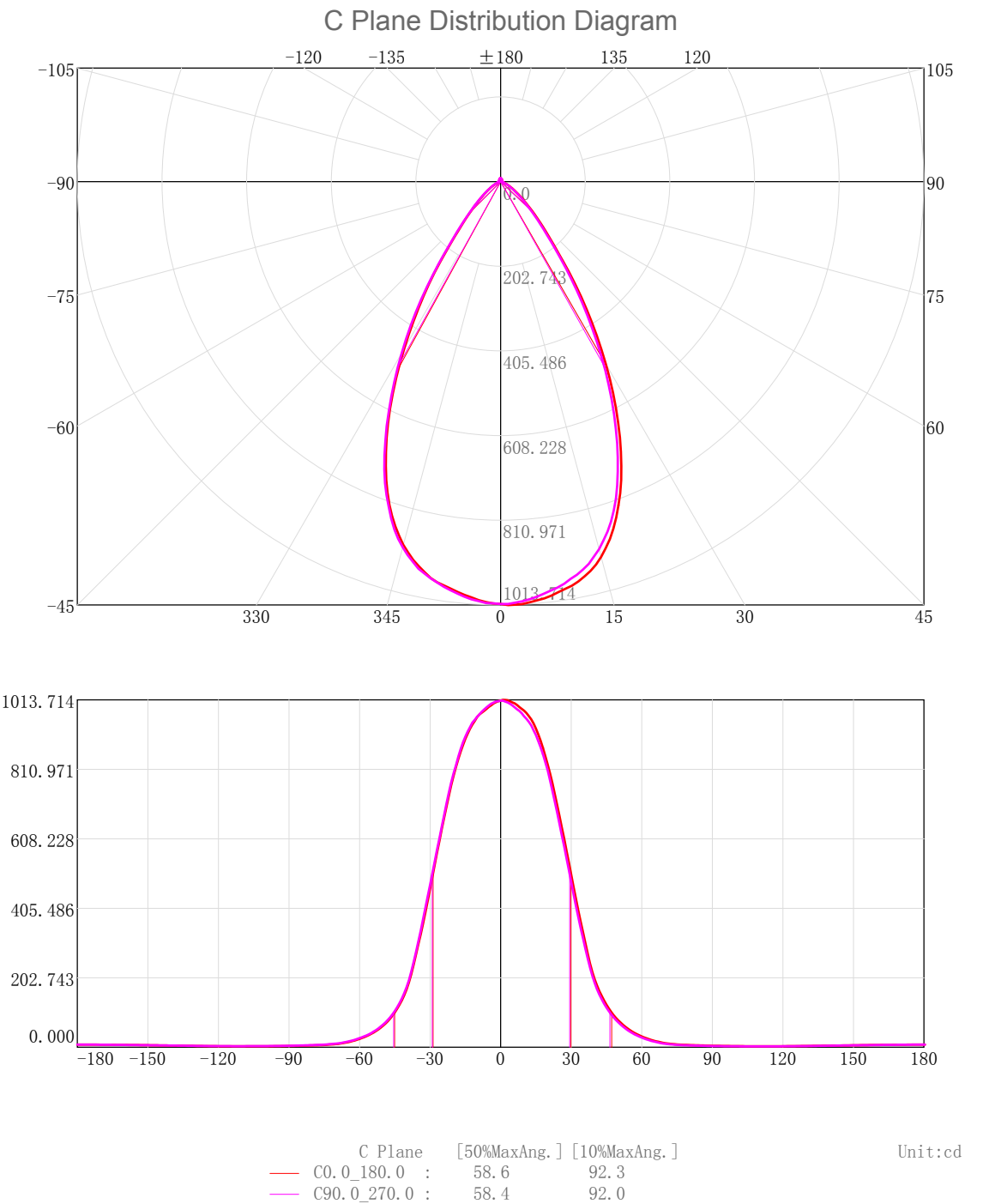
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1029.590	Luminary Flux(lm): 1029.593	Field Angle(10%Imax): 92.3(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1002.822lm 97.40%
Rated Voltage(V):	Luminary EER(lm/W): 83.435	Up Lumens&Percent: 26.771lm 2.60%
Tested Power(W): 12.340	Max. Candela(cd): 1013.714	S/MH: C0_a180=0.913 C90_270=0.907
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	Beam Angle(50%Imax): 58.6(°)	ErP Φ use(90°): 890.758lm
Lamp Size(W*L*H):0.060m*0.060m*0.185m	Left=-28.7°, Right=29.9°	IRF(%): 221.728



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21



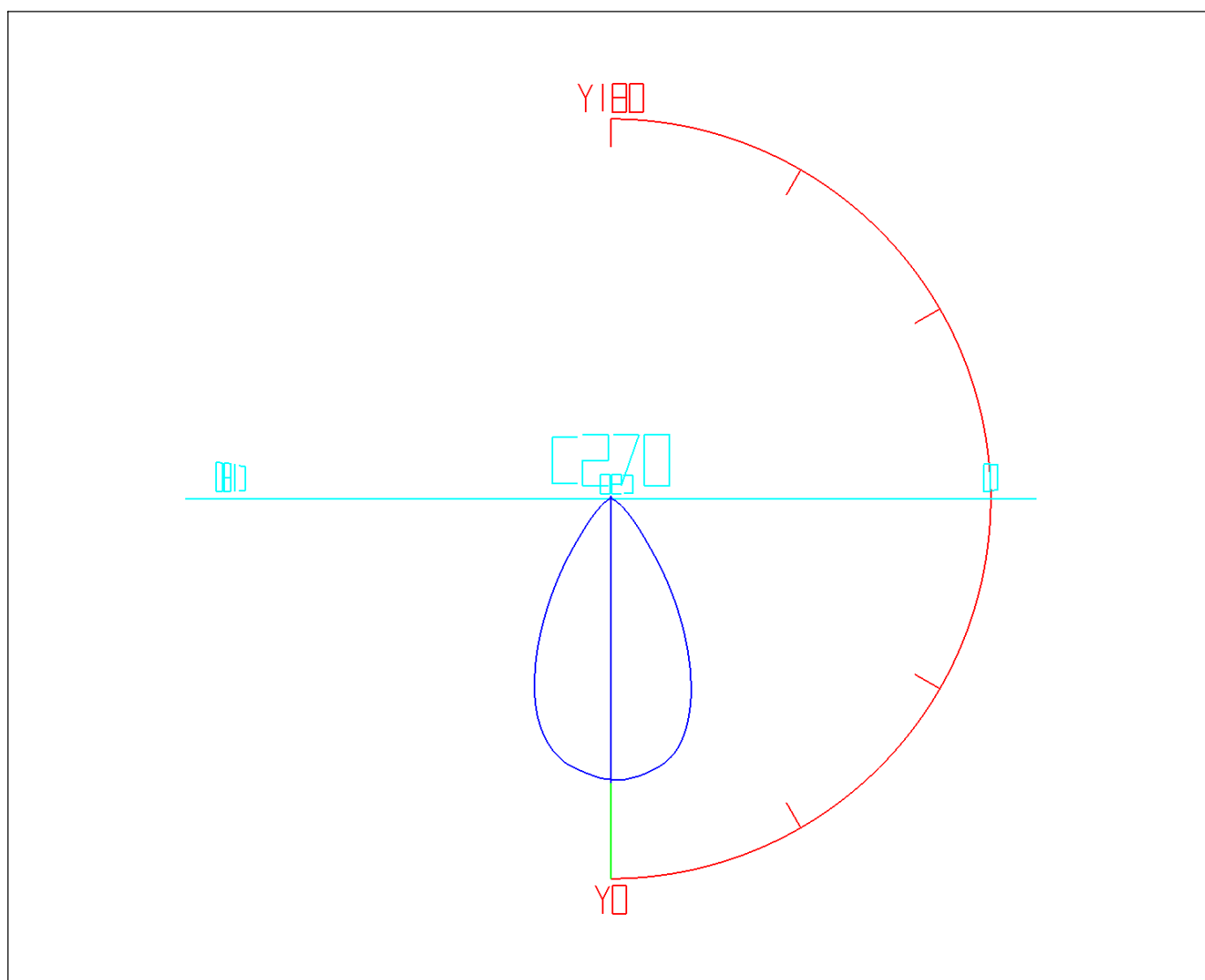
IES Indoor Report

Photometric Filename:MD10-13-XX-01 2700K RA90 60D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

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	0.97	0.97	0.09	0.09	47.0-48.0	7.16	917.67	0.70	89.13
1.0-2.0	2.90	3.87	0.28	0.38	48.0-49.0	6.63	924.30	0.64	89.77
2.0-3.0	4.82	8.69	0.47	0.84	49.0-50.0	6.14	930.44	0.60	90.37
3.0-4.0	6.73	15.42	0.65	1.50	50.0-51.0	5.68	936.12	0.55	90.92
4.0-5.0	8.61	24.03	0.84	2.33	51.0-52.0	5.25	941.37	0.51	91.43
5.0-6.0	10.47	34.50	1.02	3.35	52.0-53.0	4.86	946.23	0.47	91.90
6.0-7.0	12.30	46.79	1.19	4.54	53.0-54.0	4.49	950.72	0.44	92.34
7.0-8.0	14.10	60.90	1.37	5.91	54.0-55.0	4.15	954.87	0.40	92.74
8.0-9.0	15.87	76.77	1.54	7.46	55.0-56.0	3.83	958.70	0.37	93.11
9.0-10.0	17.60	94.37	1.71	9.17	56.0-57.0	3.53	962.23	0.34	93.46
10.0-11.0	19.28	113.65	1.87	11.04	57.0-58.0	3.25	965.48	0.32	93.77
11.0-12.0	20.90	134.54	2.03	13.07	58.0-59.0	3.00	968.48	0.29	94.06
12.0-13.0	22.44	156.98	2.18	15.25	59.0-60.0	2.76	971.24	0.27	94.33
13.0-14.0	23.89	180.87	2.32	17.57	60.0-61.0	2.54	973.78	0.25	94.58
14.0-15.0	25.24	206.11	2.45	20.02	61.0-62.0	2.33	976.11	0.23	94.81
15.0-16.0	26.47	232.58	2.57	22.59	62.0-63.0	2.14	978.25	0.21	95.01
16.0-17.0	27.57	260.15	2.68	25.27	63.0-64.0	1.95	980.20	0.19	95.20
17.0-18.0	28.53	288.68	2.77	28.04	64.0-65.0	1.78	981.97	0.17	95.38
18.0-19.0	29.33	318.01	2.85	30.89	65.0-66.0	1.62	983.60	0.16	95.53
19.0-20.0	29.96	347.97	2.91	33.80	66.0-67.0	1.49	985.09	0.15	95.68
20.0-21.0	30.43	378.39	2.96	36.75	67.0-68.0	1.36	986.46	0.13	95.81
21.0-22.0	30.71	409.10	2.98	39.73	68.0-69.0	1.23	987.69	0.12	95.93
22.0-23.0	30.78	439.88	2.99	42.72	69.0-70.0	1.14	988.83	0.11	96.04
23.0-24.0	30.69	470.57	2.98	45.71	70.0-71.0	1.07	989.90	0.10	96.14
24.0-25.0	30.44	501.02	2.96	48.66	71.0-72.0	1.01	990.91	0.10	96.24
25.0-26.0	30.03	531.05	2.92	51.58	72.0-73.0	0.95	991.85	0.09	96.33
26.0-27.0	29.46	560.51	2.86	54.44	73.0-74.0	0.89	992.74	0.09	96.42
27.0-28.0	28.73	589.24	2.79	57.23	74.0-75.0	0.83	993.58	0.08	96.50
28.0-29.0	27.88	617.11	2.71	59.94	75.0-76.0	0.79	994.37	0.08	96.58
29.0-30.0	26.89	644.00	2.61	62.55	76.0-77.0	0.76	995.12	0.07	96.65
30.0-31.0	25.78	669.78	2.50	65.05	77.0-78.0	0.73	995.85	0.07	96.72
31.0-32.0	24.59	694.37	2.39	67.44	78.0-79.0	0.70	996.55	0.07	96.79
32.0-33.0	23.31	717.67	2.26	69.70	79.0-80.0	0.68	997.23	0.07	96.86
33.0-34.0	21.97	739.65	2.13	71.84	80.0-81.0	0.65	997.88	0.06	96.92
34.0-35.0	20.57	760.22	2.00	73.84	81.0-82.0	0.63	998.51	0.06	96.98
35.0-36.0	19.11	779.33	1.86	75.69	82.0-83.0	0.61	999.13	0.06	97.04
36.0-37.0	17.62	796.95	1.71	77.40	83.0-84.0	0.59	999.72	0.06	97.10
37.0-38.0	16.13	813.08	1.57	78.97	84.0-85.0	0.57	1000.29	0.06	97.15
38.0-39.0	14.72	827.79	1.43	80.40	85.0-86.0	0.55	1000.84	0.05	97.21
39.0-40.0	13.46	841.26	1.31	81.71	86.0-87.0	0.53	1001.37	0.05	97.26
40.0-41.0	12.38	853.64	1.20	82.91	87.0-88.0	0.50	1001.87	0.05	97.31
41.0-42.0	11.42	865.06	1.11	84.02	88.0-89.0	0.48	1002.35	0.05	97.35
42.0-43.0	10.56	875.62	1.03	85.05	89.0-90.0	0.47	1002.82	0.05	97.40
43.0-44.0	9.76	885.38	0.95	85.99	90.0-91.0	0.46	1003.28	0.04	97.44
44.0-45.0	9.03	894.41	0.88	86.87	91.0-92.0	0.44	1003.72	0.04	97.49
45.0-46.0	8.36	902.77	0.81	87.68	92.0-93.0	0.43	1004.16	0.04	97.53
46.0-47.0	7.74	910.51	0.75	88.43	93.0-94.0	0.42	1004.58	0.04	97.57

Zonal Flux Tabulation - (Cont.)

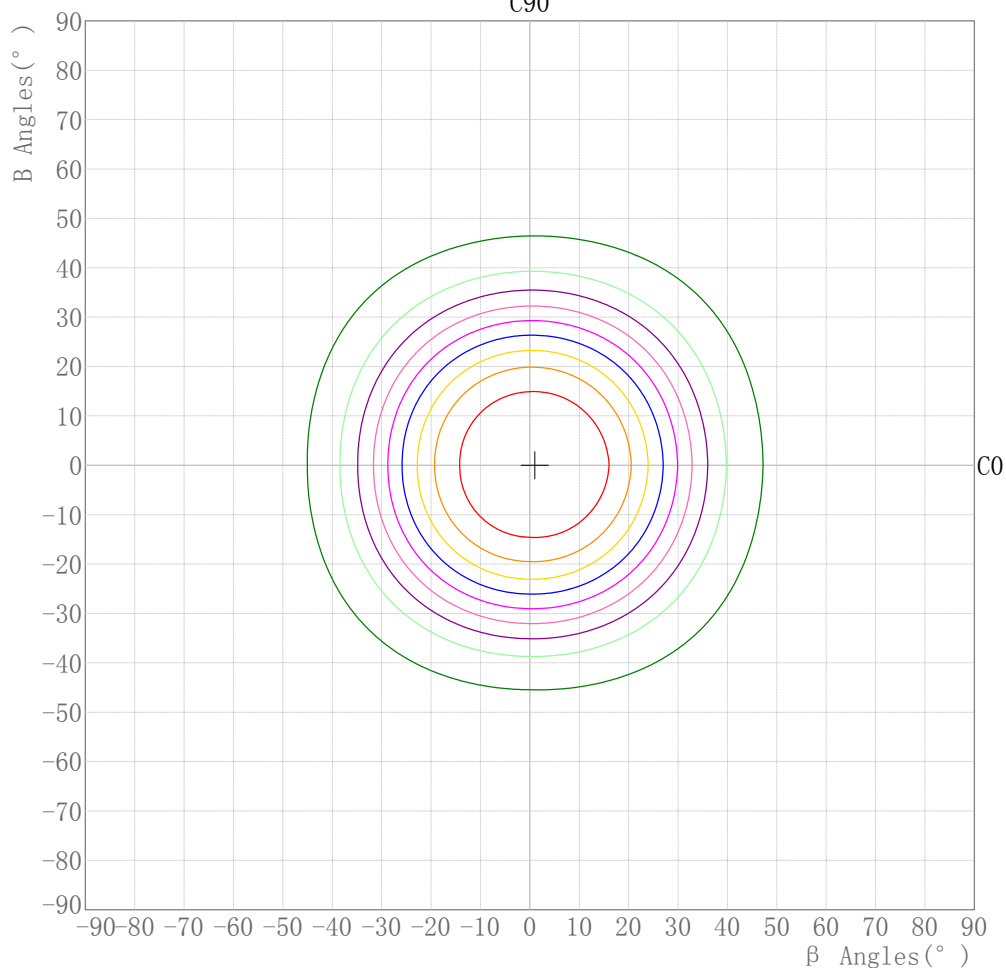
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.41	1004.99	0.04	97.61	141.0-142.0	0.36	1020.99	0.03	99.16
95.0-96.0	0.41	1005.40	0.04	97.65	142.0-143.0	0.35	1021.35	0.03	99.20
96.0-97.0	0.40	1005.80	0.04	97.69	143.0-144.0	0.35	1021.70	0.03	99.23
97.0-98.0	0.39	1006.18	0.04	97.73	144.0-145.0	0.35	1022.05	0.03	99.27
98.0-99.0	0.38	1006.57	0.04	97.76	145.0-146.0	0.35	1022.40	0.03	99.30
99.0-100.0	0.37	1006.94	0.04	97.80	146.0-147.0	0.35	1022.75	0.03	99.34
100.0-101.0	0.37	1007.30	0.04	97.84	147.0-148.0	0.34	1023.09	0.03	99.37
101.0-102.0	0.36	1007.66	0.03	97.87	148.0-149.0	0.34	1023.43	0.03	99.40
102.0-103.0	0.35	1008.02	0.03	97.90	149.0-150.0	0.34	1023.77	0.03	99.43
103.0-104.0	0.35	1008.36	0.03	97.94	150.0-151.0	0.33	1024.10	0.03	99.47
104.0-105.0	0.34	1008.71	0.03	97.97	151.0-152.0	0.33	1024.42	0.03	99.50
105.0-106.0	0.34	1009.04	0.03	98.00	152.0-153.0	0.32	1024.74	0.03	99.53
106.0-107.0	0.33	1009.38	0.03	98.04	153.0-154.0	0.31	1025.06	0.03	99.56
107.0-108.0	0.33	1009.71	0.03	98.07	154.0-155.0	0.31	1025.36	0.03	99.59
108.0-109.0	0.33	1010.03	0.03	98.10	155.0-156.0	0.30	1025.66	0.03	99.62
109.0-110.0	0.32	1010.35	0.03	98.13	156.0-157.0	0.29	1025.95	0.03	99.65
110.0-111.0	0.32	1010.67	0.03	98.16	157.0-158.0	0.28	1026.24	0.03	99.67
111.0-112.0	0.32	1010.99	0.03	98.19	158.0-159.0	0.27	1026.51	0.03	99.70
112.0-113.0	0.32	1011.31	0.03	98.22	159.0-160.0	0.27	1026.78	0.03	99.73
113.0-114.0	0.32	1011.62	0.03	98.25	160.0-161.0	0.26	1027.03	0.02	99.75
114.0-115.0	0.31	1011.94	0.03	98.29	161.0-162.0	0.25	1027.28	0.02	99.78
115.0-116.0	0.31	1012.25	0.03	98.32	162.0-163.0	0.24	1027.52	0.02	99.80
116.0-117.0	0.31	1012.56	0.03	98.35	163.0-164.0	0.23	1027.74	0.02	99.82
117.0-118.0	0.31	1012.88	0.03	98.38	164.0-165.0	0.21	1027.95	0.02	99.84
118.0-119.0	0.31	1013.19	0.03	98.41	165.0-166.0	0.20	1028.16	0.02	99.86
119.0-120.0	0.32	1013.51	0.03	98.44	166.0-167.0	0.19	1028.35	0.02	99.88
120.0-121.0	0.32	1013.83	0.03	98.47	167.0-168.0	0.18	1028.53	0.02	99.90
121.0-122.0	0.32	1014.15	0.03	98.50	168.0-169.0	0.17	1028.69	0.02	99.91
122.0-123.0	0.32	1014.47	0.03	98.53	169.0-170.0	0.15	1028.84	0.01	99.93
123.0-124.0	0.32	1014.79	0.03	98.56	170.0-171.0	0.14	1028.98	0.01	99.94
124.0-125.0	0.33	1015.12	0.03	98.59	171.0-172.0	0.13	1029.11	0.01	99.95
125.0-126.0	0.33	1015.45	0.03	98.63	172.0-173.0	0.11	1029.22	0.01	99.96
126.0-127.0	0.33	1015.78	0.03	98.66	173.0-174.0	0.10	1029.32	0.01	99.97
127.0-128.0	0.33	1016.11	0.03	98.69	174.0-175.0	0.08	1029.40	0.01	99.98
128.0-129.0	0.34	1016.45	0.03	98.72	175.0-176.0	0.07	1029.47	0.01	99.99
129.0-130.0	0.34	1016.79	0.03	98.76	176.0-177.0	0.05	1029.52	0.01	99.99
130.0-131.0	0.34	1017.13	0.03	98.79	177.0-178.0	0.04	1029.56	0.00	100.00
131.0-132.0	0.34	1017.47	0.03	98.82	178.0-179.0	0.02	1029.59	0.00	100.00
132.0-133.0	0.35	1017.82	0.03	98.86	179.0-180.0	0.01	1029.59	0.00	100.00
133.0-134.0	0.35	1018.16	0.03	98.89					
134.0-135.0	0.35	1018.51	0.03	98.92					
135.0-136.0	0.35	1018.86	0.03	98.96					
136.0-137.0	0.35	1019.22	0.03	98.99					
137.0-138.0	0.35	1019.57	0.03	99.03					
138.0-139.0	0.35	1019.93	0.03	99.06					
139.0-140.0	0.36	1020.28	0.03	99.10					
140.0-141.0	0.36	1020.64	0.03	99.13					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

ISO Lighting Intensity Curve

C90



Curves:

[Unit: cd]

[IMax] =1013.714

— [IMax*90%]=912.343

— [IMax*80%]=810.971

— [IMax*70%]=709.600

— [IMax*60%]=608.228

— [IMax*50%]=506.857

— [IMax*40%]=405.486

— [IMax*30%]=304.114

— [IMax*20%]=202.743

— [IMax*10%]=101.371

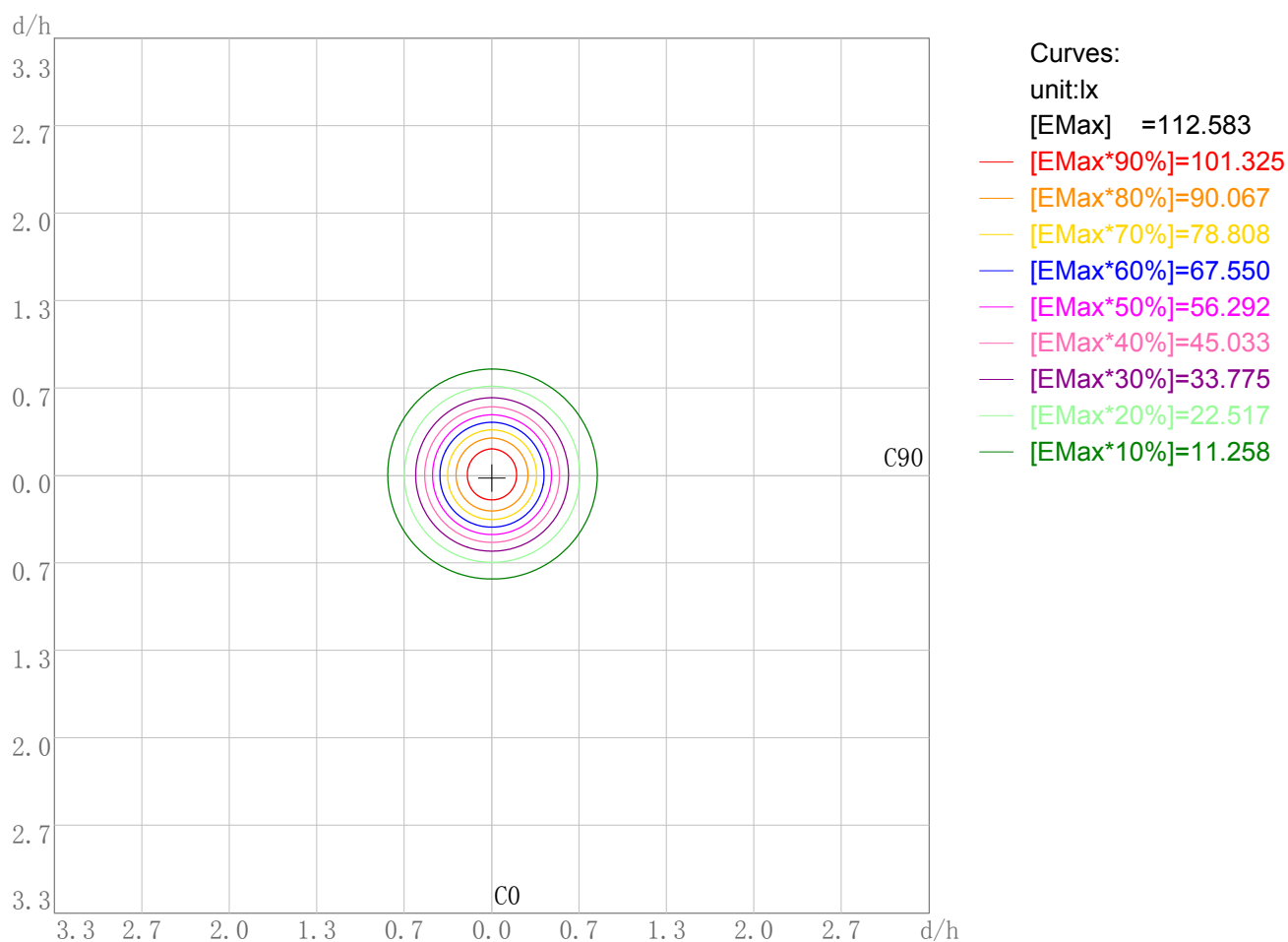
Maximum Light Intensity(cd): 1013.71

Maximum Cand.@Angle: H=1.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

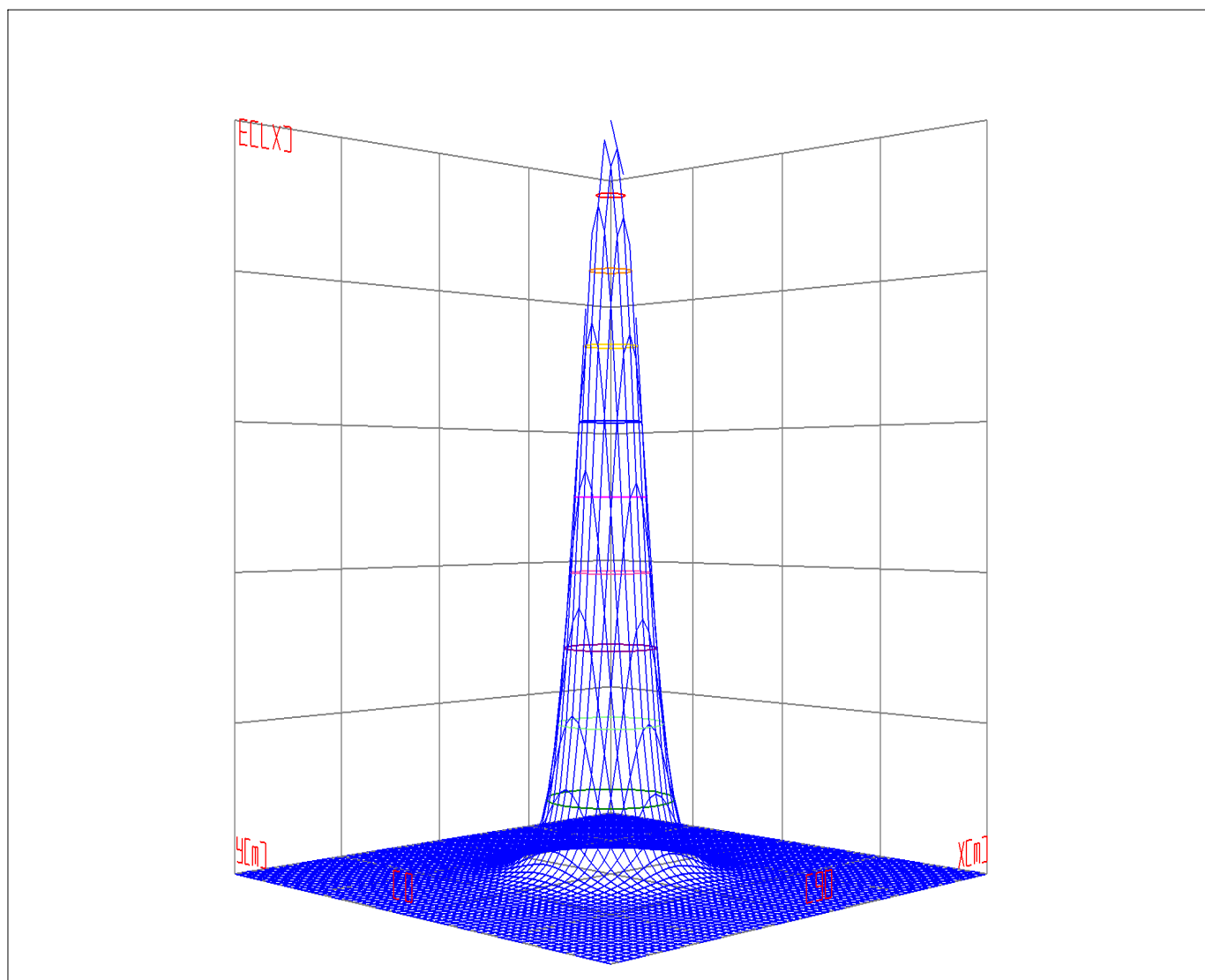
Working Plane Maximum Illuminance(lx): 112.58

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

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

3D Plane Illuminance Modal

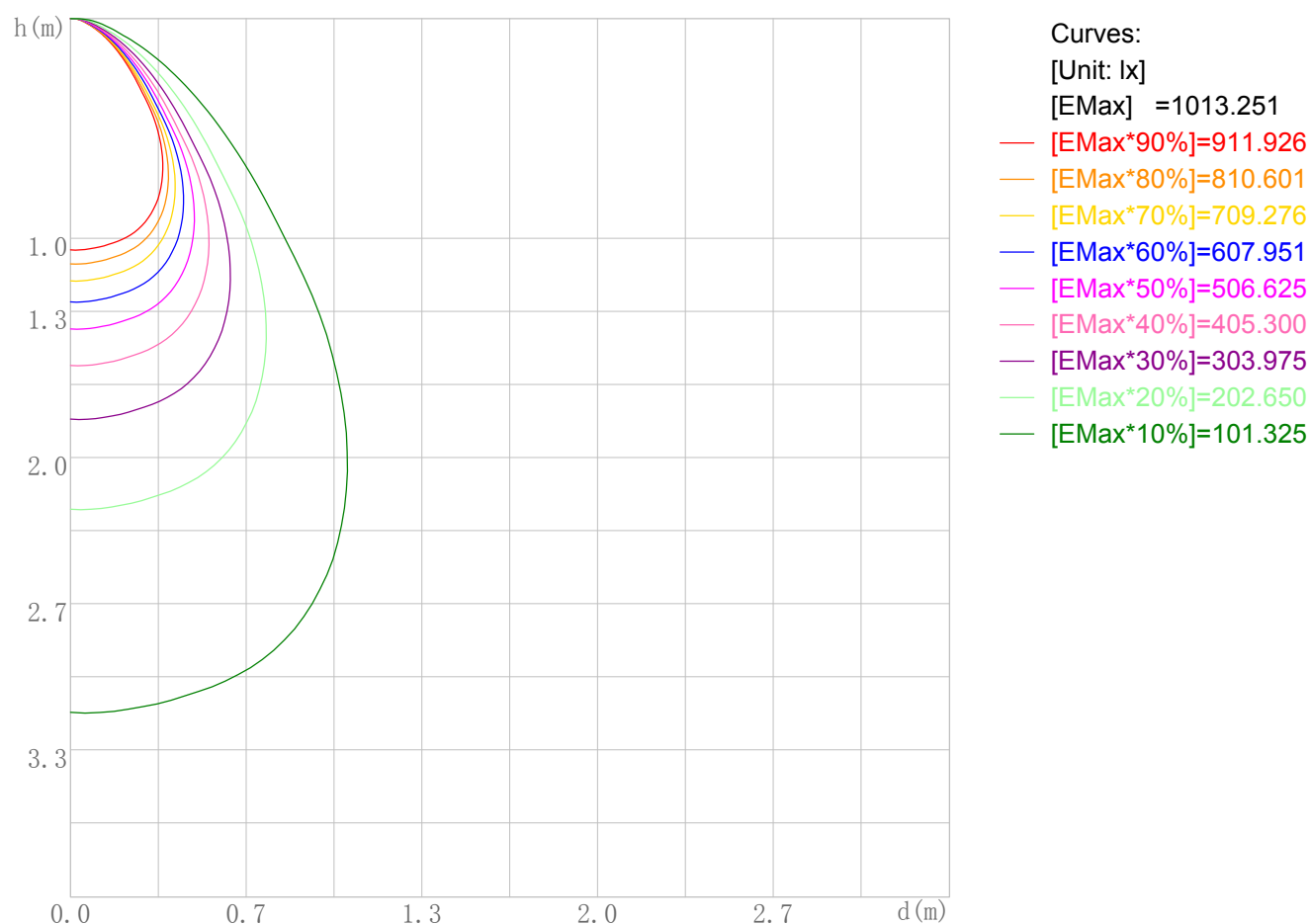


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1013.25lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:1013.714cd,0deg

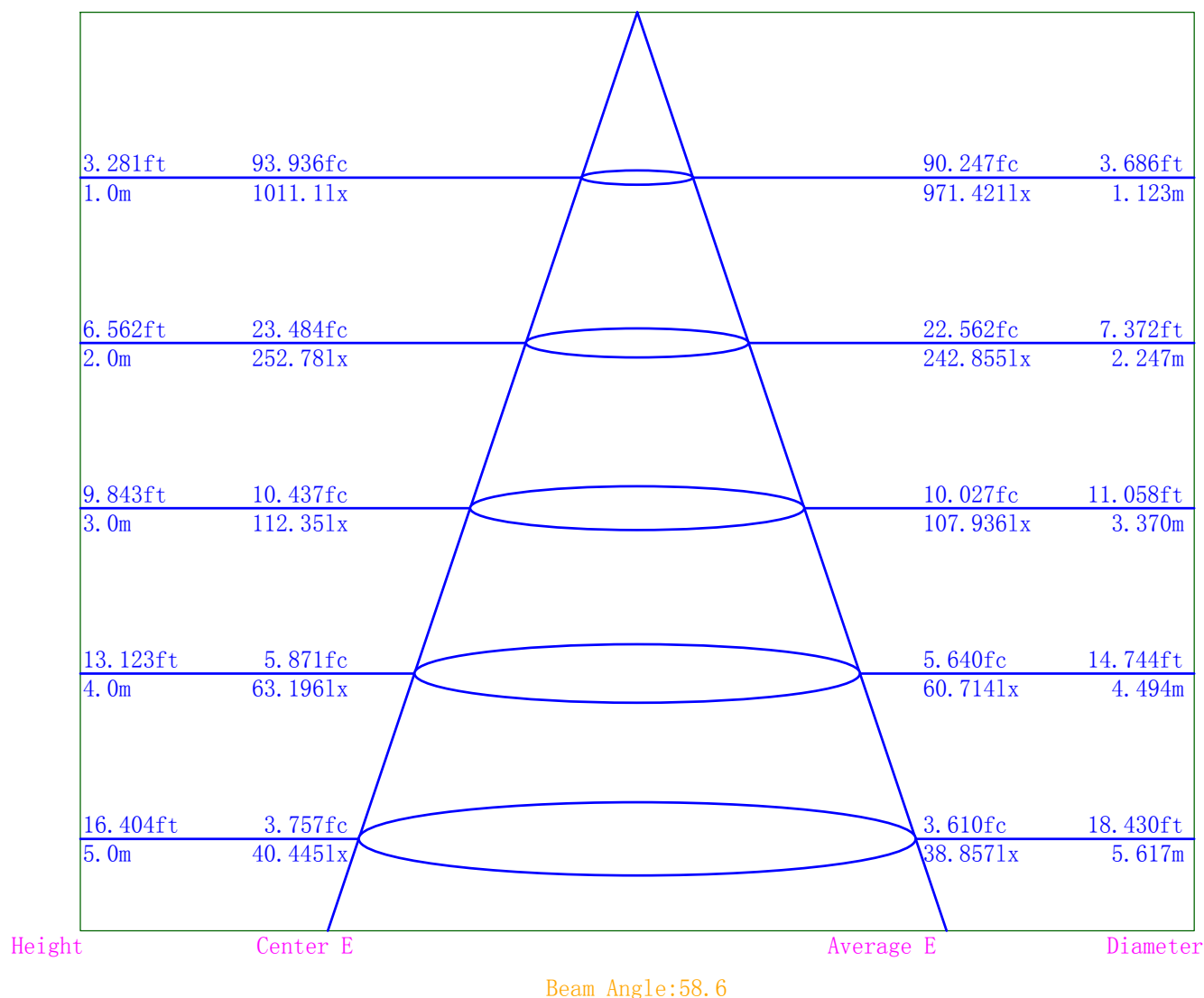
IES Indoor Report

Photometric Filename:MD10-13-XX-01 2700K RA90 60D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-01 2700K RA90 60D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: QQualty peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/21

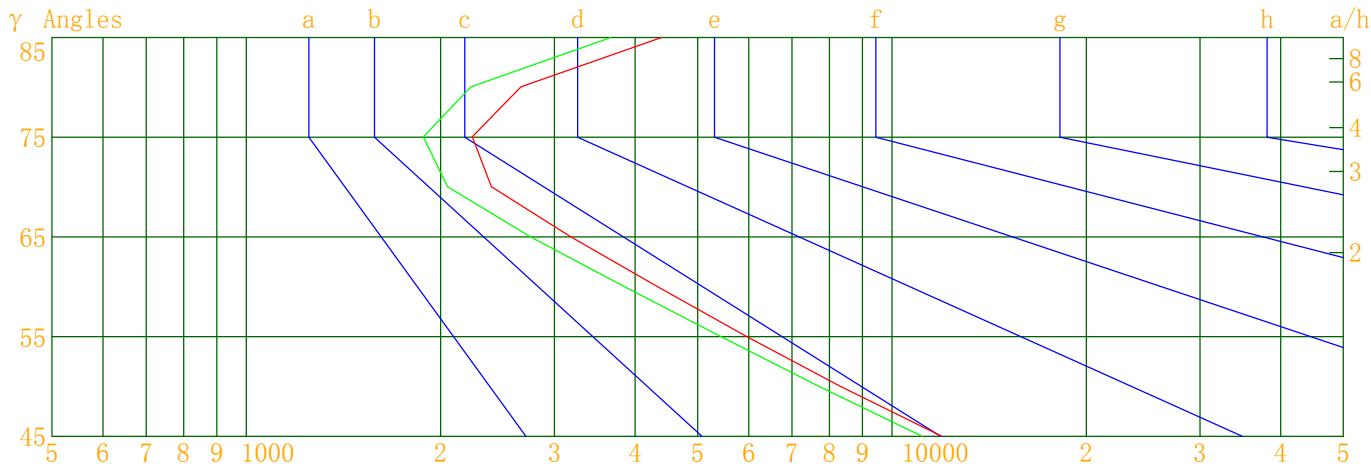
Glare Grade Table

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	11954	8323	5954	4332	3176	2396	2239	2663	4396
C90	11144	7710	5431	3848	2751	2049	1880	2229	3668

Luminance Limiting Curve



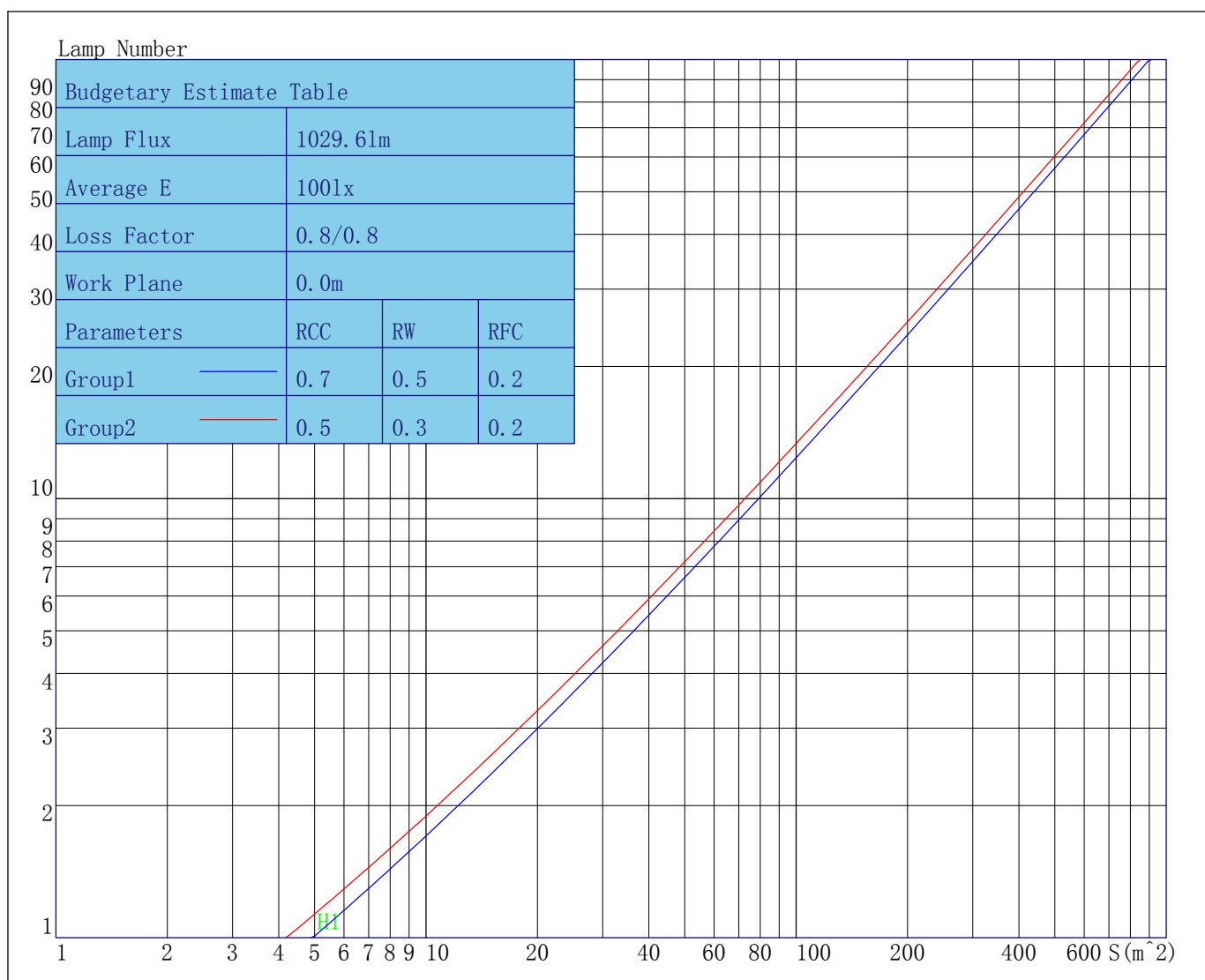
Luminous Size: Length(m)=0.060 Width(m)=0.060 Height(m)=0.185 Area(m^2)=0.014700
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

IES Indoor Report

Photometric Filename:MD10-13-XX-01 2700K RA90 60D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21



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-01 2700K RA90 60D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-XX-01 2700K RA90 60D	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: 2019/12/21

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	100	100	100	97
1	112	109	106	104	109	107	104	102	102	100	98	98	96	95	94	93	92	90
2	106	100	96	92	103	98	94	91	95	91	88	91	89	86	88	86	84	82
3	100	93	87	83	98	91	86	82	88	84	80	85	82	79	83	80	77	75
4	94	86	80	75	92	85	79	75	82	77	73	80	76	72	77	74	71	69
5	89	80	74	69	87	79	73	68	77	71	68	75	70	67	73	69	66	64
6	84	74	68	63	82	74	67	63	72	66	62	70	65	62	68	64	61	60
7	80	70	63	59	78	69	63	58	67	62	58	66	61	57	64	60	57	55
8	76	65	59	55	74	65	59	54	63	58	54	62	57	54	61	56	53	52
9	72	61	55	51	70	61	55	51	60	54	50	59	54	50	58	53	50	48
10	68	58	52	48	67	57	52	48	56	51	47	55	51	47	54	50	47	45

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	1011.13	1011.13	1011.13	1011.13
γ 1.0	1013.71	1011.13	1009.86	1009.58
γ 2.0	1013.23	1008.32	1007.05	1009.34
γ 3.0	1012.37	1006.04	1003.13	1005.71
γ 4.0	1009.40	1001.95	997.64	1002.37
γ 5.0	1006.00	997.40	993.17	997.43
γ 6.0	1003.24	991.86	987.43	991.63
γ 7.0	998.41	986.18	981.67	985.64
γ 8.0	992.32	981.30	976.33	979.31
γ 9.0	987.13	974.34	971.04	971.79
γ 10.0	982.24	965.48	963.55	964.43
γ 11.0	975.23	958.59	952.55	955.72
γ 12.0	966.08	949.20	941.63	947.29
γ 13.0	956.67	939.01	929.70	934.13
γ 14.0	944.77	924.82	915.27	920.98
γ 15.0	930.08	911.06	900.09	906.16
γ 16.0	913.06	893.60	882.07	889.74
γ 17.0	894.75	875.64	862.69	870.45
γ 18.0	873.51	855.53	841.26	848.18
γ 19.0	850.22	832.53	818.11	823.08
γ 20.0	824.63	807.76	791.78	798.76
γ 21.0	798.87	778.67	764.72	772.93
γ 22.0	770.76	748.38	734.18	743.45
γ 23.0	739.67	717.41	702.72	712.06
γ 24.0	708.04	686.19	670.65	678.25
γ 25.0	675.95	653.14	638.11	645.38
γ 26.0	642.29	619.41	603.59	610.87
γ 27.0	608.57	586.00	568.59	576.78
γ 28.0	573.26	551.43	532.90	542.20
γ 29.0	539.13	517.46	497.62	507.89
γ 30.0	503.70	482.11	461.80	473.52
γ 31.0	468.57	447.27	427.67	440.77
γ 32.0	434.20	413.49	393.55	407.08
γ 33.0	400.30	381.16	361.19	373.67
γ 34.0	368.37	349.40	329.93	340.37
γ 35.0	335.84	318.43	299.69	307.80
γ 36.0	304.49	288.21	269.46	277.02
γ 37.0	273.51	259.51	240.37	248.17
γ 38.0	244.55	232.82	213.21	220.76
γ 39.0	219.39	208.82	189.44	195.48
γ 40.0	198.33	188.03	169.14	175.36
γ 41.0	180.13	169.56	152.06	158.13
γ 42.0	163.97	153.73	137.43	142.65
γ 43.0	149.35	139.74	124.24	128.75
γ 44.0	136.30	127.18	112.44	116.46
γ 45.0	124.25	115.84	101.89	105.72
γ 46.0	113.24	105.59	92.36	96.13

IES Indoor Report

Photometric Filename:MD10-13-XX-01 2700K RA90 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	103.31	96.21	83.93	87.48
γ 48.0	94.29	87.59	76.32	79.70
γ 49.0	86.04	79.95	69.39	72.63
γ 50.0	78.65	72.86	62.97	66.18
γ 51.0	71.98	66.48	57.28	60.47
γ 52.0	65.81	60.51	52.13	55.08
γ 53.0	60.07	55.22	47.57	50.28
γ 54.0	54.92	50.26	43.44	45.90
γ 55.0	50.20	45.79	39.56	41.78
γ 56.0	45.77	41.60	35.97	38.14
γ 57.0	41.70	37.84	32.72	34.93
γ 58.0	38.14	34.42	29.73	31.97
γ 59.0	34.90	31.20	27.05	29.21
γ 60.0	31.84	28.29	24.53	26.75
γ 61.0	29.02	25.70	22.27	24.37
γ 62.0	26.38	23.36	20.23	22.22
γ 63.0	23.91	21.09	18.30	20.23
γ 64.0	21.69	18.99	16.42	18.30
γ 65.0	19.73	17.09	14.70	16.71
γ 66.0	17.81	15.59	13.46	15.14
γ 67.0	16.38	14.03	12.45	14.07
γ 68.0	14.71	12.53	11.02	12.57
γ 69.0	13.03	11.13	10.15	11.53
γ 70.0	12.04	10.30	9.55	10.86
γ 71.0	11.25	9.61	8.99	10.25
γ 72.0	10.51	8.92	8.45	9.64
γ 73.0	9.77	8.27	7.90	9.04
γ 74.0	9.10	7.66	7.35	8.48
γ 75.0	8.52	7.15	6.91	8.00
γ 76.0	8.06	6.74	6.56	7.63
γ 77.0	7.70	6.44	6.27	7.30
γ 78.0	7.36	6.16	6.05	7.01
γ 79.0	7.07	5.92	5.83	6.76
γ 80.0	6.80	5.69	5.64	6.52
γ 81.0	6.55	5.47	5.43	6.31
γ 82.0	6.30	5.26	5.24	6.09
γ 83.0	6.07	5.06	5.06	5.88
γ 84.0	5.85	4.87	4.89	5.69
γ 85.0	5.63	4.70	4.72	5.49
γ 86.0	5.42	4.51	4.55	5.29
γ 87.0	5.19	4.30	4.34	5.05
γ 88.0	4.92	4.07	4.13	4.84
γ 89.0	4.70	3.89	3.99	4.67
γ 90.0	4.56	3.78	3.91	4.57
γ 91.0	4.46	3.69	3.81	4.45
γ 92.0	4.33	3.60	3.74	4.35
γ 93.0	4.22	3.52	3.66	4.26

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.13	3.43	3.59	4.17
γ 95.0	4.04	3.37	3.52	4.08
γ 96.0	3.95	3.30	3.46	4.01
γ 97.0	3.87	3.23	3.39	3.92
γ 98.0	3.79	3.17	3.34	3.86
γ 99.0	3.71	3.11	3.29	3.79
γ 100.0	3.64	3.06	3.24	3.73
γ 101.0	3.58	3.02	3.20	3.68
γ 102.0	3.53	2.97	3.17	3.62
γ 103.0	3.47	2.94	3.14	3.57
γ 104.0	3.40	2.90	3.11	3.53
γ 105.0	3.37	2.87	3.09	3.49
γ 106.0	3.33	2.84	3.07	3.46
γ 107.0	3.30	2.83	3.06	3.44
γ 108.0	3.26	2.82	3.05	3.41
γ 109.0	3.24	2.81	3.05	3.39
γ 110.0	3.22	2.80	3.05	3.39
γ 111.0	3.21	2.80	3.06	3.38
γ 112.0	3.21	2.81	3.08	3.38
γ 113.0	3.20	2.82	3.09	3.39
γ 114.0	3.21	2.83	3.12	3.39
γ 115.0	3.21	2.86	3.15	3.41
γ 116.0	3.24	2.88	3.18	3.43
γ 117.0	3.26	2.93	3.22	3.46
γ 118.0	3.28	2.95	3.27	3.49
γ 119.0	3.31	3.00	3.32	3.53
γ 120.0	3.35	3.05	3.37	3.58
γ 121.0	3.39	3.11	3.43	3.63
γ 122.0	3.44	3.16	3.50	3.68
γ 123.0	3.49	3.21	3.57	3.74
γ 124.0	3.56	3.29	3.64	3.81
γ 125.0	3.62	3.35	3.72	3.87
γ 126.0	3.68	3.45	3.79	3.94
γ 127.0	3.76	3.52	3.89	4.01
γ 128.0	3.83	3.59	3.98	4.10
γ 129.0	3.91	3.69	4.07	4.17
γ 130.0	3.98	3.77	4.16	4.25
γ 131.0	4.07	3.86	4.26	4.34
γ 132.0	4.16	3.96	4.36	4.43
γ 133.0	4.25	4.06	4.47	4.53
γ 134.0	4.34	4.15	4.56	4.63
γ 135.0	4.43	4.25	4.68	4.72
γ 136.0	4.54	4.35	4.77	4.82
γ 137.0	4.63	4.47	4.88	4.92
γ 138.0	4.74	4.56	4.99	5.02
γ 139.0	4.84	4.68	5.10	5.11
γ 140.0	4.96	4.78	5.22	5.22

IES Indoor Report

Photometric Filename:MD10-13-XX-01 2700K RA90 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.06	4.90	5.32	5.31
γ 142.0	5.17	5.00	5.42	5.43
γ 143.0	5.27	5.11	5.54	5.53
γ 144.0	5.38	5.22	5.65	5.63
γ 145.0	5.48	5.32	5.75	5.74
γ 146.0	5.59	5.43	5.87	5.83
γ 147.0	5.69	5.55	5.97	5.93
γ 148.0	5.80	5.65	6.08	6.04
γ 149.0	5.89	5.75	6.16	6.13
γ 150.0	5.99	5.85	6.26	6.22
γ 151.0	6.09	5.95	6.36	6.30
γ 152.0	6.18	6.05	6.44	6.39
γ 153.0	6.27	6.15	6.54	6.48
γ 154.0	6.36	6.24	6.63	6.56
γ 155.0	6.45	6.33	6.72	6.65
γ 156.0	6.54	6.42	6.80	6.74
γ 157.0	6.62	6.51	6.89	6.81
γ 158.0	6.72	6.60	6.97	6.89
γ 159.0	6.79	6.68	7.04	6.98
γ 160.0	6.88	6.77	7.13	7.05
γ 161.0	6.95	6.85	7.20	7.13
γ 162.0	7.04	6.95	7.27	7.21
γ 163.0	7.11	7.03	7.35	7.26
γ 164.0	7.20	7.10	7.43	7.34
γ 165.0	7.27	7.18	7.50	7.41
γ 166.0	7.35	7.25	7.56	7.49
γ 167.0	7.42	7.33	7.63	7.54
γ 168.0	7.50	7.41	7.70	7.61
γ 169.0	7.57	7.48	7.74	7.67
γ 170.0	7.63	7.55	7.80	7.72
γ 171.0	7.70	7.60	7.85	7.78
γ 172.0	7.76	7.66	7.91	7.83
γ 173.0	7.82	7.72	7.95	7.87
γ 174.0	7.87	7.77	7.99	7.91
γ 175.0	7.92	7.82	8.02	7.94
γ 176.0	7.96	7.88	8.05	7.97
γ 177.0	8.00	7.92	8.07	8.01
γ 178.0	8.04	7.95	8.10	8.02
γ 179.0	8.07	7.96	8.09	8.04
γ 180.0	8.06	8.06	8.06	8.06