

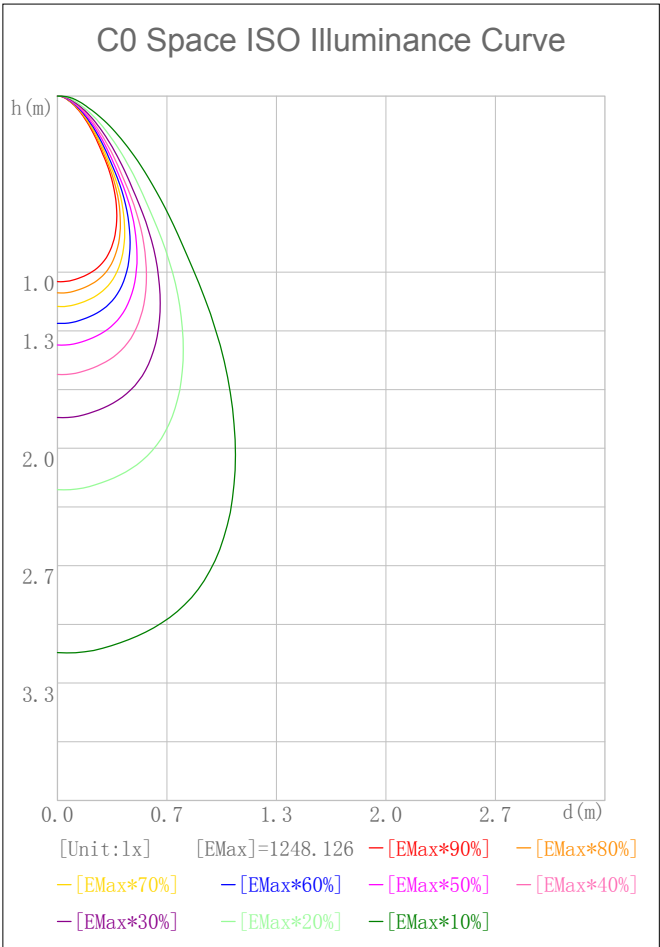
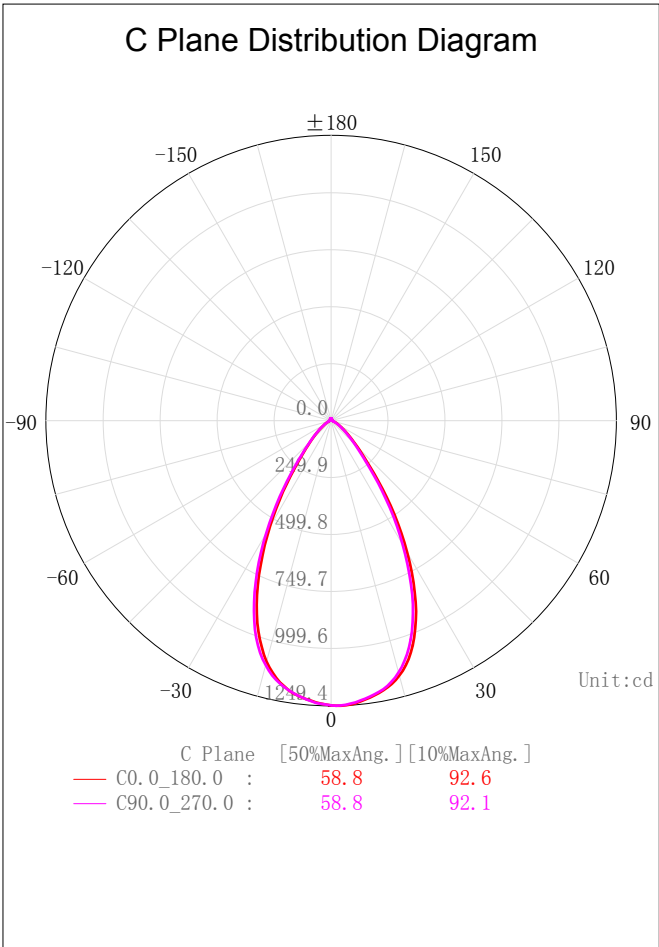
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-01 4000K RA90 60D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/12/24
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(%):

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1280.110	Luminary Flux(lm): 1280.112	Field Angle(10%Imax): 92.6(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1246.407lm 97.37%	
Rated Voltage(V):	Luminary EER(lm/W): 102.903	Up Lumens&Percent: 33.704lm 2.63%	
Tested Power(W): 12.440	Max. Candela(cd): 1249.450	S/MH: C0_a180=0.915 C90_270=0.914	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.6, 0.054	Beam Angle(50%Imax): 58.8(°)	ErP ϕ use(90°): 1103.213lm	
Lamp Size (W*L*H):0.050m*0.050m*0.750m	Left=-27.8°, Right=31.0°	IRF(%): 215.588	



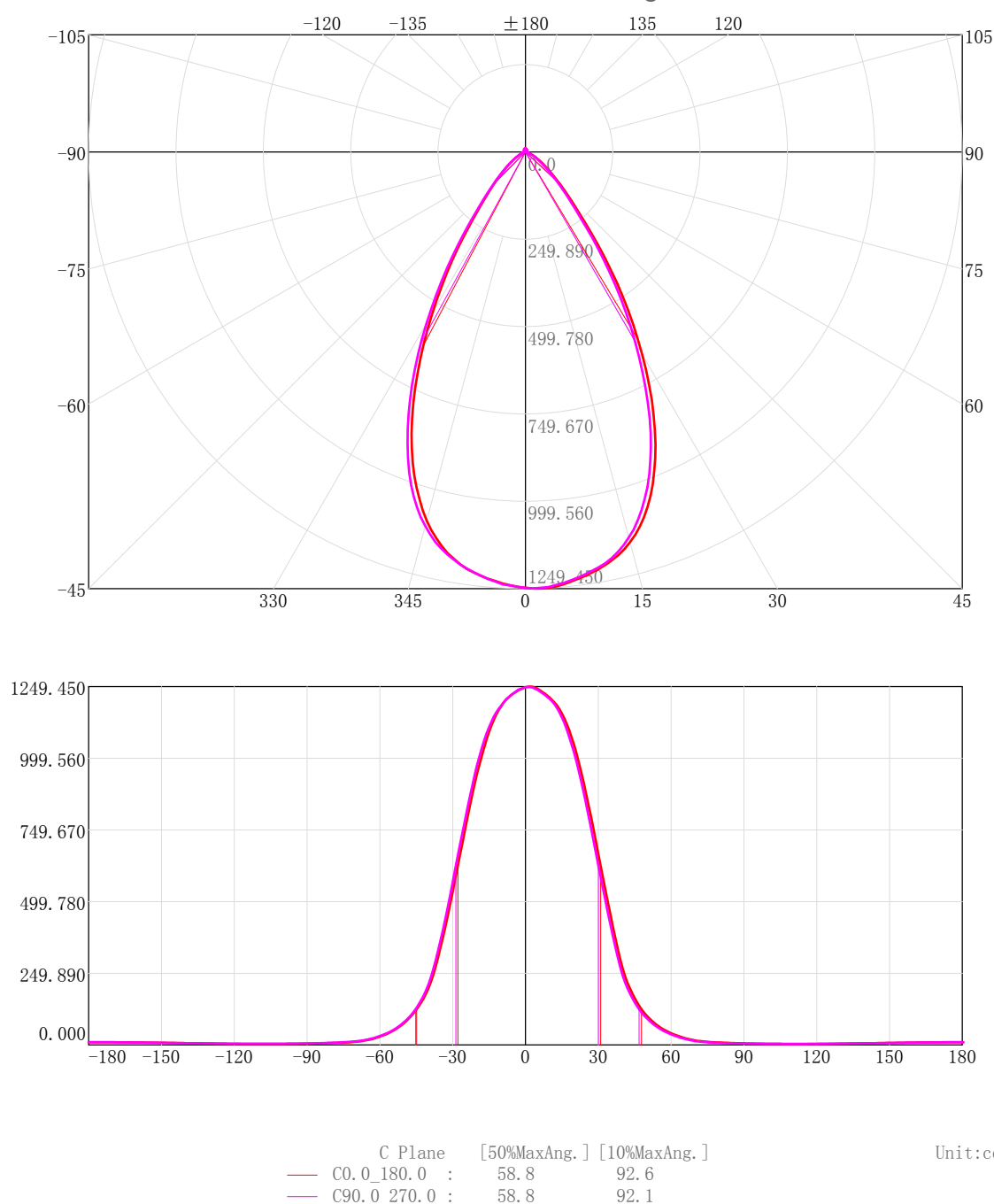
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

C Plane Distribution Diagram



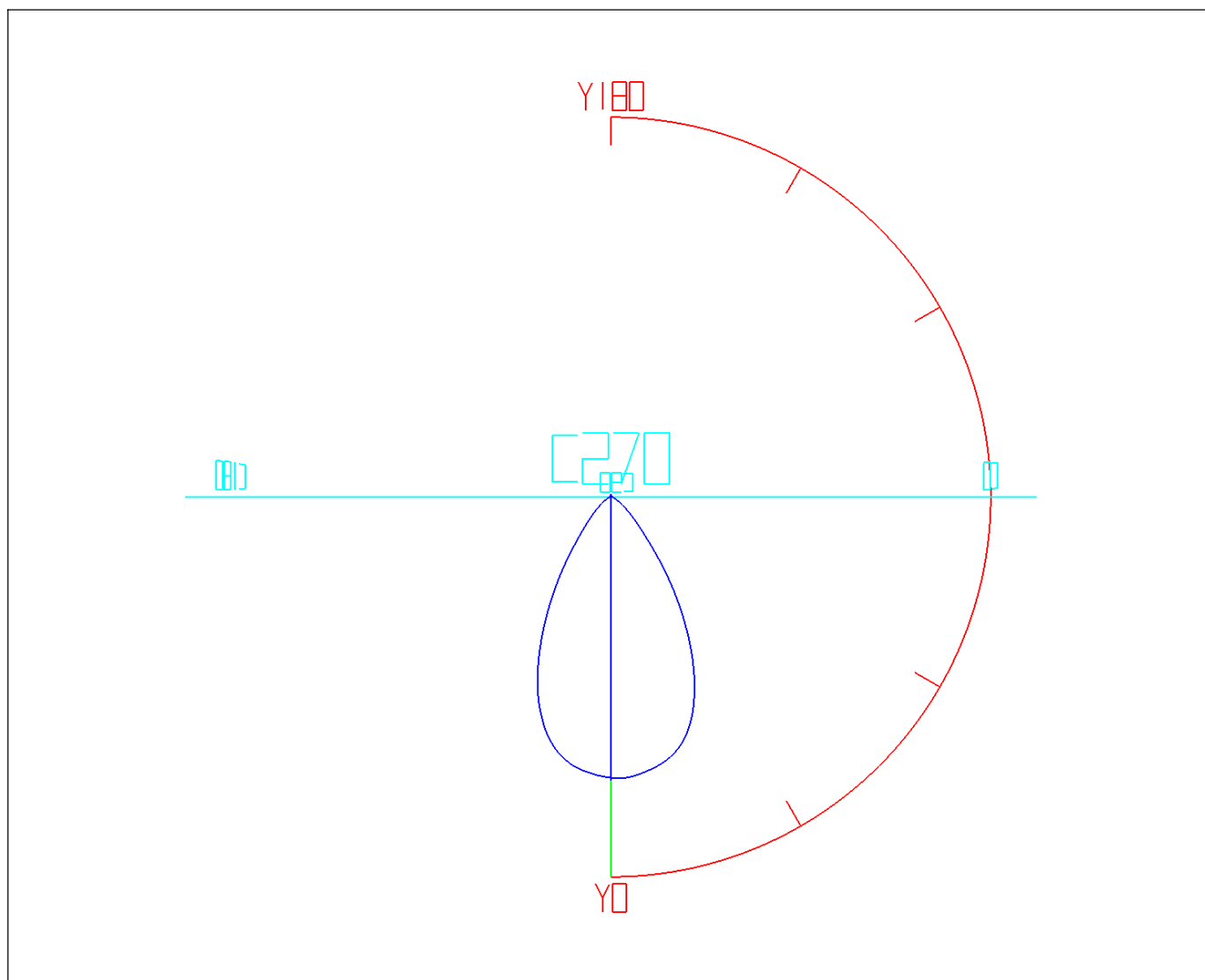
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

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	1.19	1.19	0.09	0.09	47.0-48.0	8.99	1139.77	0.70	89.04
1.0-2.0	3.57	4.77	0.28	0.37	48.0-49.0	8.32	1148.09	0.65	89.69
2.0-3.0	5.95	10.72	0.46	0.84	49.0-50.0	7.69	1155.78	0.60	90.29
3.0-4.0	8.30	19.02	0.65	1.49	50.0-51.0	7.11	1162.89	0.56	90.84
4.0-5.0	10.63	29.64	0.83	2.32	51.0-52.0	6.57	1169.46	0.51	91.36
5.0-6.0	12.92	42.57	1.01	3.33	52.0-53.0	6.07	1175.53	0.47	91.83
6.0-7.0	15.19	57.75	1.19	4.51	53.0-54.0	5.60	1181.14	0.44	92.27
7.0-8.0	17.41	75.17	1.36	5.87	54.0-55.0	5.17	1186.31	0.40	92.67
8.0-9.0	19.60	94.76	1.53	7.40	55.0-56.0	4.77	1191.08	0.37	93.04
9.0-10.0	21.72	116.49	1.70	9.10	56.0-57.0	4.40	1195.48	0.34	93.39
10.0-11.0	23.79	140.28	1.86	10.96	57.0-58.0	4.06	1199.54	0.32	93.71
11.0-12.0	25.78	166.06	2.01	12.97	58.0-59.0	3.75	1203.28	0.29	94.00
12.0-13.0	27.68	193.74	2.16	15.13	59.0-60.0	3.45	1206.73	0.27	94.27
13.0-14.0	29.46	223.20	2.30	17.44	60.0-61.0	3.17	1209.90	0.25	94.52
14.0-15.0	31.12	254.32	2.43	19.87	61.0-62.0	2.91	1212.81	0.23	94.74
15.0-16.0	32.64	286.97	2.55	22.42	62.0-63.0	2.66	1215.47	0.21	94.95
16.0-17.0	34.01	320.97	2.66	25.07	63.0-64.0	2.44	1217.92	0.19	95.14
17.0-18.0	35.19	356.16	2.75	27.82	64.0-65.0	2.24	1220.16	0.18	95.32
18.0-19.0	36.19	392.35	2.83	30.65	65.0-66.0	2.05	1222.21	0.16	95.48
19.0-20.0	37.00	429.36	2.89	33.54	66.0-67.0	1.87	1224.08	0.15	95.62
20.0-21.0	37.60	466.96	2.94	36.48	67.0-68.0	1.70	1225.78	0.13	95.76
21.0-22.0	37.96	504.92	2.97	39.44	68.0-69.0	1.57	1227.36	0.12	95.88
22.0-23.0	38.12	543.03	2.98	42.42	69.0-70.0	1.45	1228.81	0.11	95.99
23.0-24.0	38.08	581.11	2.97	45.40	70.0-71.0	1.34	1230.15	0.11	96.10
24.0-25.0	37.80	618.91	2.95	48.35	71.0-72.0	1.26	1231.42	0.10	96.20
25.0-26.0	37.30	656.21	2.91	51.26	72.0-73.0	1.19	1232.60	0.09	96.29
26.0-27.0	36.62	692.83	2.86	54.12	73.0-74.0	1.12	1233.72	0.09	96.38
27.0-28.0	35.74	728.57	2.79	56.91	74.0-75.0	1.05	1234.77	0.08	96.46
28.0-29.0	34.69	763.27	2.71	59.62	75.0-76.0	1.00	1235.77	0.08	96.54
29.0-30.0	33.47	796.73	2.61	62.24	76.0-77.0	0.95	1236.73	0.07	96.61
30.0-31.0	32.11	828.85	2.51	64.75	77.0-78.0	0.92	1237.64	0.07	96.68
31.0-32.0	30.66	859.51	2.40	67.14	78.0-79.0	0.88	1238.52	0.07	96.75
32.0-33.0	29.10	888.61	2.27	69.42	79.0-80.0	0.85	1239.37	0.07	96.82
33.0-34.0	27.45	916.07	2.14	71.56	80.0-81.0	0.82	1240.20	0.06	96.88
34.0-35.0	25.71	941.77	2.01	73.57	81.0-82.0	0.79	1240.99	0.06	96.94
35.0-36.0	23.90	965.68	1.87	75.44	82.0-83.0	0.77	1241.76	0.06	97.00
36.0-37.0	22.10	987.78	1.73	77.16	83.0-84.0	0.74	1242.50	0.06	97.06
37.0-38.0	20.33	1008.10	1.59	78.75	84.0-85.0	0.72	1243.22	0.06	97.12
38.0-39.0	18.60	1026.70	1.45	80.20	85.0-86.0	0.69	1243.91	0.05	97.17
39.0-40.0	17.00	1043.70	1.33	81.53	86.0-87.0	0.66	1244.57	0.05	97.22
40.0-41.0	15.59	1059.28	1.22	82.75	87.0-88.0	0.64	1245.21	0.05	97.27
41.0-42.0	14.36	1073.64	1.12	83.87	88.0-89.0	0.61	1245.82	0.05	97.32
42.0-43.0	13.27	1086.92	1.04	84.91	89.0-90.0	0.59	1246.41	0.05	97.37
43.0-44.0	12.28	1099.19	0.96	85.87	90.0-91.0	0.57	1246.98	0.04	97.41
44.0-45.0	11.36	1110.55	0.89	86.75	91.0-92.0	0.56	1247.54	0.04	97.46
45.0-46.0	10.51	1121.06	0.82	87.58	92.0-93.0	0.55	1248.08	0.04	97.50
46.0-47.0	9.72	1130.78	0.76	88.33	93.0-94.0	0.53	1248.62	0.04	97.54

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	0.52	1249.14	0.04	97.58	141.0-142.0	0.45	1269.36	0.03	99.16
95.0-96.0	0.51	1249.65	0.04	97.62	142.0-143.0	0.44	1269.80	0.03	99.19
96.0-97.0	0.50	1250.15	0.04	97.66	143.0-144.0	0.44	1270.24	0.03	99.23
97.0-98.0	0.49	1250.64	0.04	97.70	144.0-145.0	0.44	1270.68	0.03	99.26
98.0-99.0	0.48	1251.12	0.04	97.74	145.0-146.0	0.44	1271.12	0.03	99.30
99.0-100.0	0.47	1251.59	0.04	97.77	146.0-147.0	0.43	1271.55	0.03	99.33
100.0-101.0	0.46	1252.05	0.04	97.81	147.0-148.0	0.43	1271.98	0.03	99.37
101.0-102.0	0.45	1252.51	0.04	97.84	148.0-149.0	0.43	1272.41	0.03	99.40
102.0-103.0	0.45	1252.95	0.03	97.88	149.0-150.0	0.42	1272.83	0.03	99.43
103.0-104.0	0.44	1253.39	0.03	97.91	150.0-151.0	0.41	1273.24	0.03	99.46
104.0-105.0	0.43	1253.83	0.03	97.95	151.0-152.0	0.41	1273.65	0.03	99.50
105.0-106.0	0.43	1254.25	0.03	97.98	152.0-153.0	0.40	1274.05	0.03	99.53
106.0-107.0	0.42	1254.67	0.03	98.01	153.0-154.0	0.39	1274.44	0.03	99.56
107.0-108.0	0.42	1255.09	0.03	98.05	154.0-155.0	0.38	1274.83	0.03	99.59
108.0-109.0	0.41	1255.50	0.03	98.08	155.0-156.0	0.37	1275.20	0.03	99.62
109.0-110.0	0.41	1255.91	0.03	98.11	156.0-157.0	0.36	1275.56	0.03	99.64
110.0-111.0	0.41	1256.32	0.03	98.14	157.0-158.0	0.35	1275.92	0.03	99.67
111.0-112.0	0.40	1256.72	0.03	98.17	158.0-159.0	0.34	1276.26	0.03	99.70
112.0-113.0	0.40	1257.12	0.03	98.20	159.0-160.0	0.33	1276.59	0.03	99.73
113.0-114.0	0.40	1257.52	0.03	98.24	160.0-161.0	0.32	1276.91	0.03	99.75
114.0-115.0	0.40	1257.92	0.03	98.27	161.0-162.0	0.31	1277.22	0.02	99.77
115.0-116.0	0.40	1258.32	0.03	98.30	162.0-163.0	0.29	1277.52	0.02	99.80
116.0-117.0	0.40	1258.72	0.03	98.33	163.0-164.0	0.28	1277.80	0.02	99.82
117.0-118.0	0.40	1259.12	0.03	98.36	164.0-165.0	0.27	1278.07	0.02	99.84
118.0-119.0	0.40	1259.52	0.03	98.39	165.0-166.0	0.25	1278.32	0.02	99.86
119.0-120.0	0.40	1259.92	0.03	98.42	166.0-167.0	0.24	1278.56	0.02	99.88
120.0-121.0	0.40	1260.32	0.03	98.45	167.0-168.0	0.22	1278.78	0.02	99.90
121.0-122.0	0.40	1260.73	0.03	98.49	168.0-169.0	0.21	1278.99	0.02	99.91
122.0-123.0	0.41	1261.13	0.03	98.52	169.0-170.0	0.19	1279.18	0.01	99.93
123.0-124.0	0.41	1261.54	0.03	98.55	170.0-171.0	0.17	1279.35	0.01	99.94
124.0-125.0	0.41	1261.96	0.03	98.58	171.0-172.0	0.16	1279.51	0.01	99.95
125.0-126.0	0.42	1262.37	0.03	98.61	172.0-173.0	0.14	1279.65	0.01	99.96
126.0-127.0	0.42	1262.79	0.03	98.65	173.0-174.0	0.12	1279.77	0.01	99.97
127.0-128.0	0.42	1263.21	0.03	98.68	174.0-175.0	0.10	1279.87	0.01	99.98
128.0-129.0	0.42	1263.64	0.03	98.71	175.0-176.0	0.09	1279.96	0.01	99.99
129.0-130.0	0.43	1264.06	0.03	98.75	176.0-177.0	0.07	1280.03	0.01	99.99
130.0-131.0	0.43	1264.49	0.03	98.78	177.0-178.0	0.05	1280.07	0.00	100.00
131.0-132.0	0.43	1264.93	0.03	98.81	178.0-179.0	0.03	1280.10	0.00	100.00
132.0-133.0	0.44	1265.36	0.03	98.85	179.0-180.0	0.01	1280.11	0.00	100.00
133.0-134.0	0.44	1265.80	0.03	98.88					
134.0-135.0	0.44	1266.24	0.03	98.92					
135.0-136.0	0.44	1266.68	0.03	98.95					
136.0-137.0	0.44	1267.13	0.03	98.99					
137.0-138.0	0.44	1267.57	0.03	99.02					
138.0-139.0	0.45	1268.02	0.03	99.06					
139.0-140.0	0.45	1268.46	0.03	99.09					
140.0-141.0	0.45	1268.91	0.03	99.13					

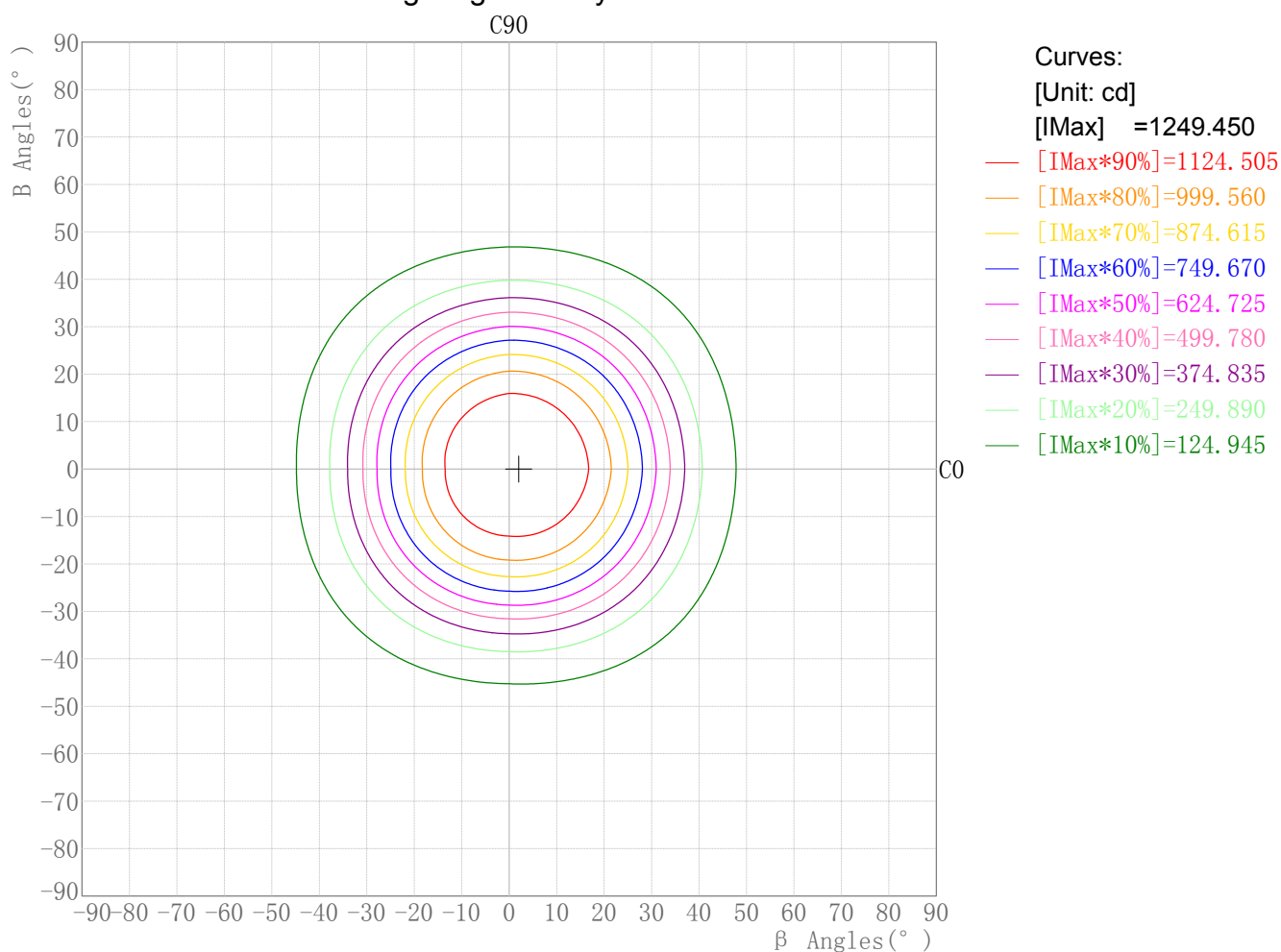
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 1249.45

Maximum Cand.@Angle: H=2.0°,V=0.0°

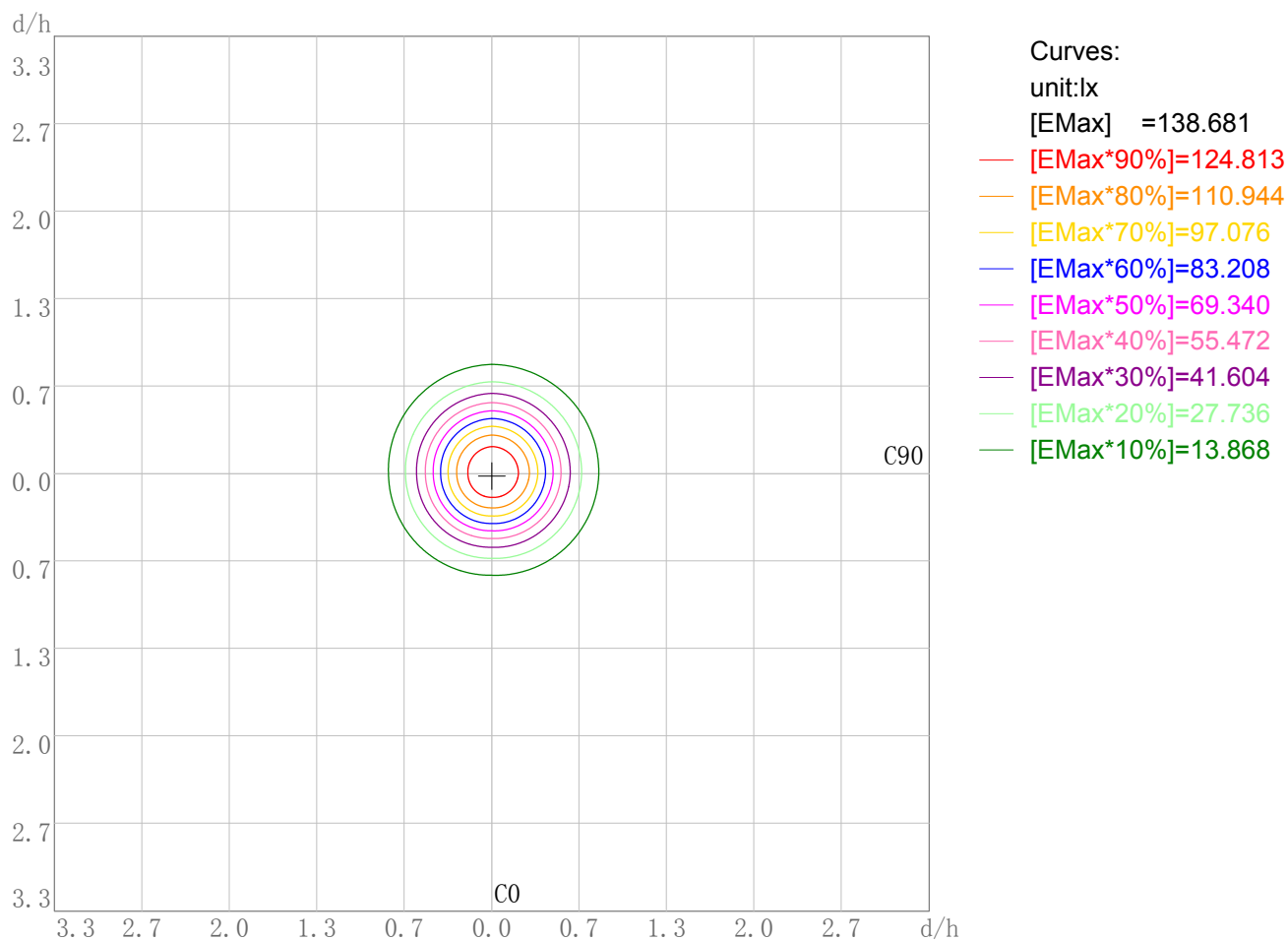
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

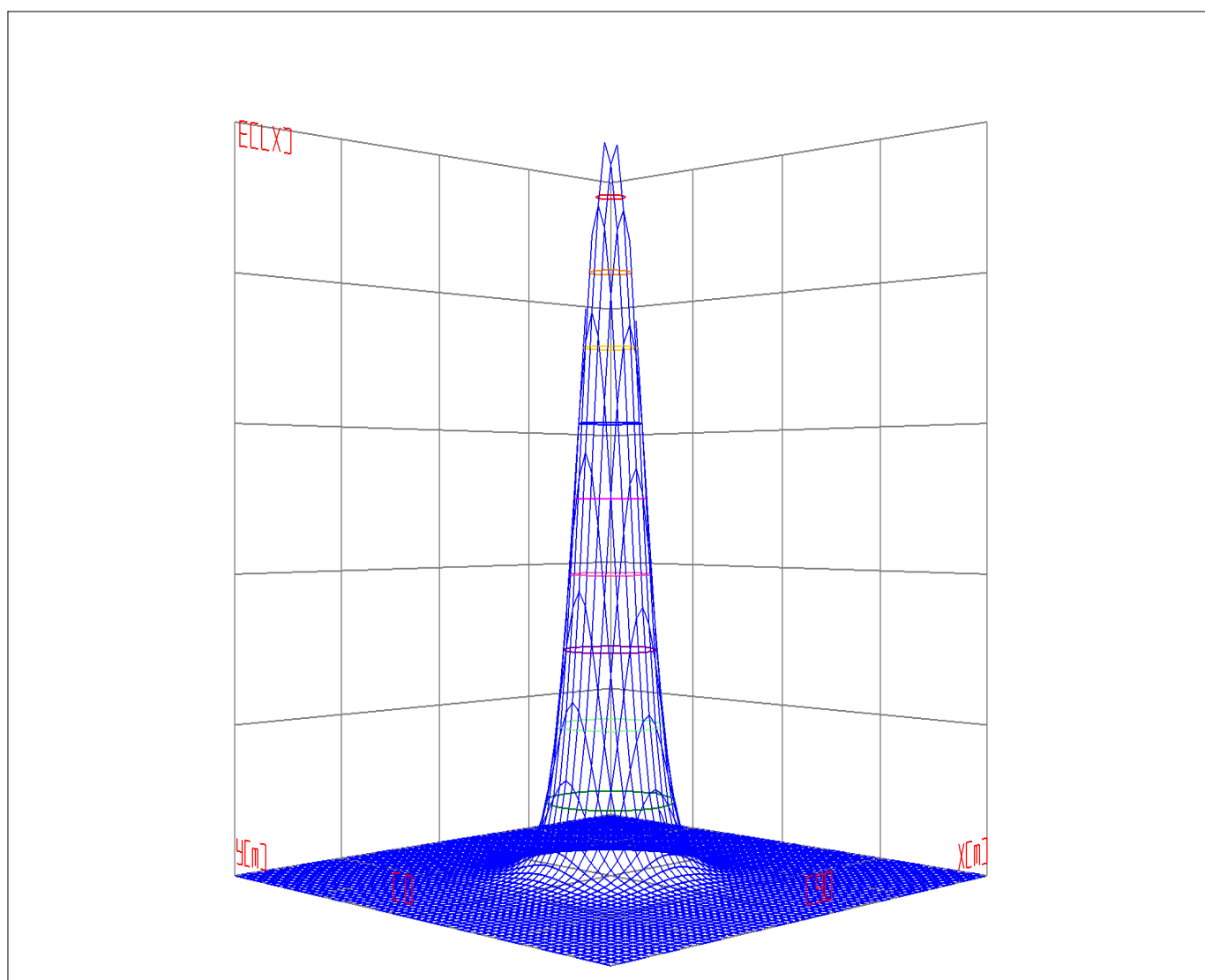
Working Plane Maximum Illuminance(lx): 138.68

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

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K RA90 60D	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: 2019/12/24

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

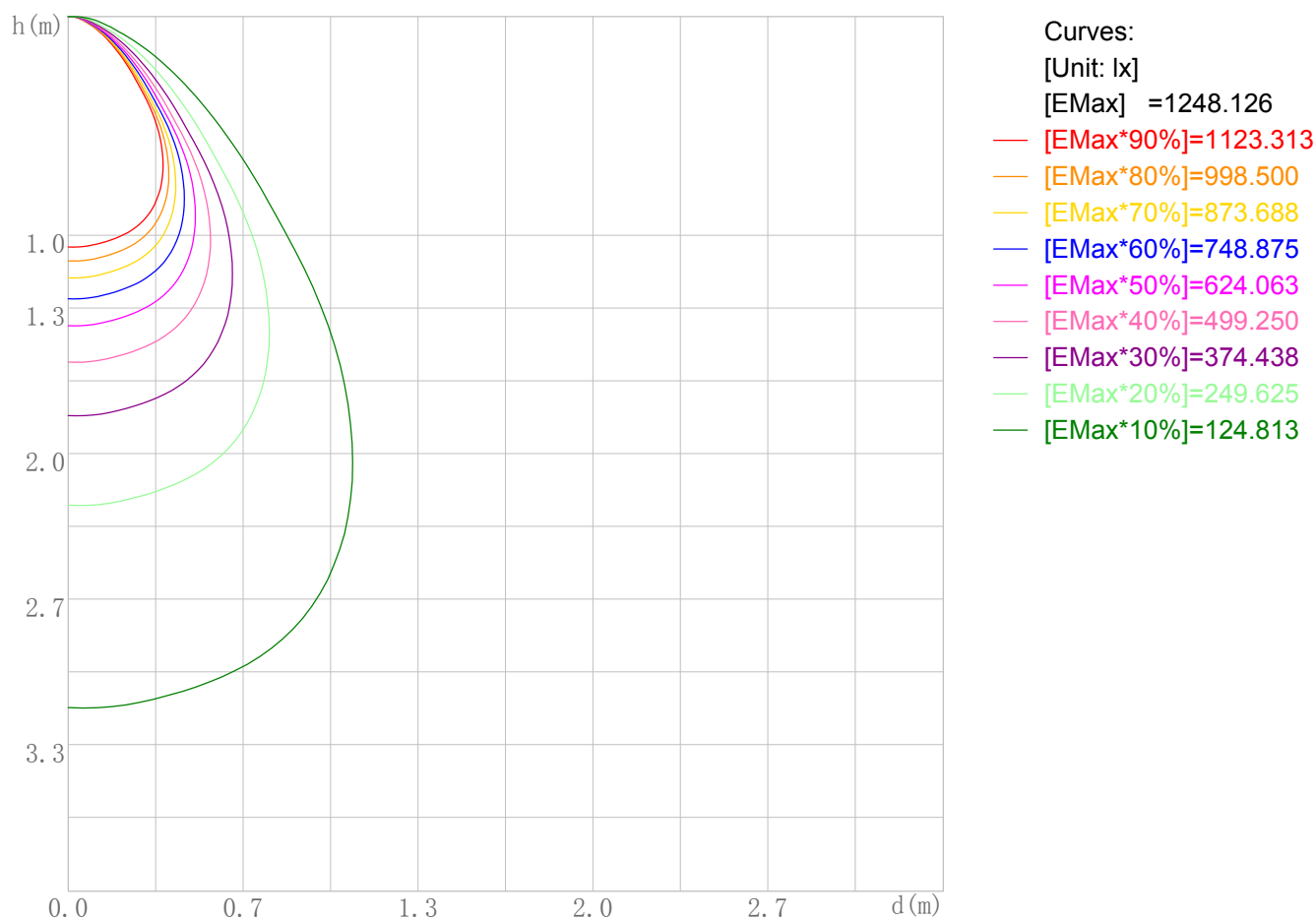
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1248.13lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:1249.450cd,0deg

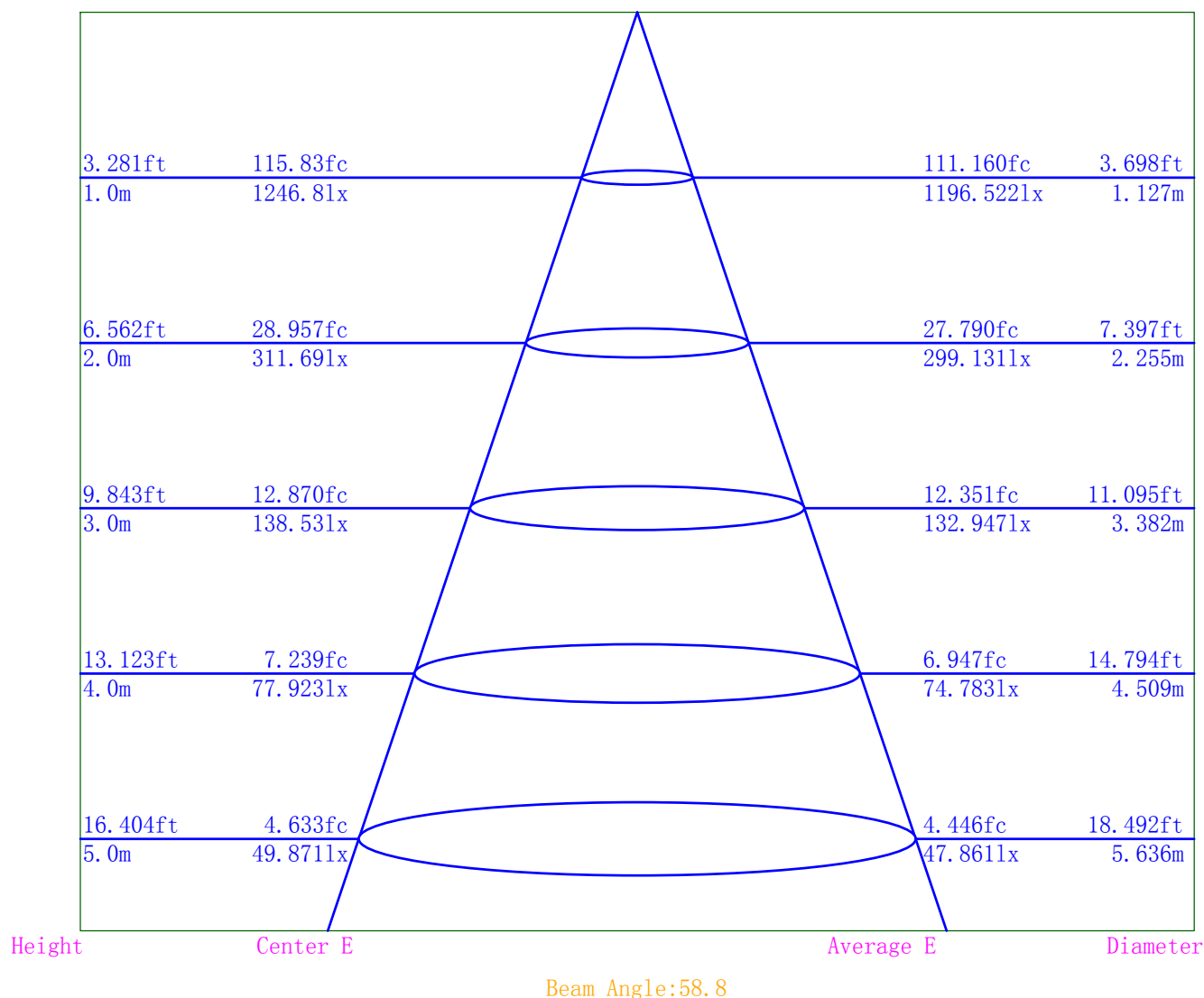
IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

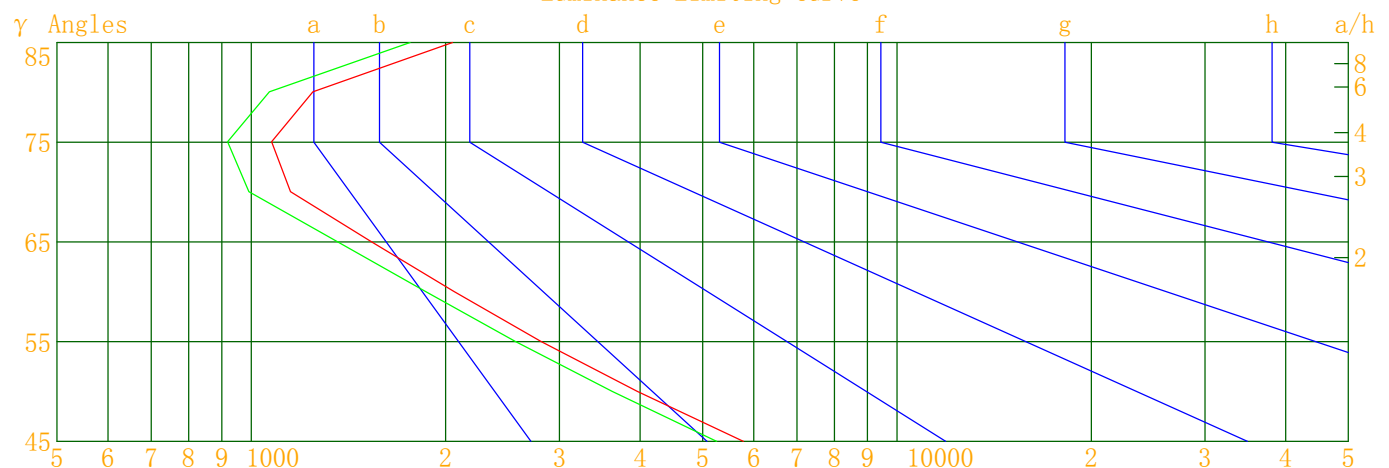
Glare Grade Table

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	5782	3963	2809	2061	1534	1150	1075	1245	2049
C90	5257	3623	2564	1861	1359	991	919	1067	1762

Luminance Limiting Curve



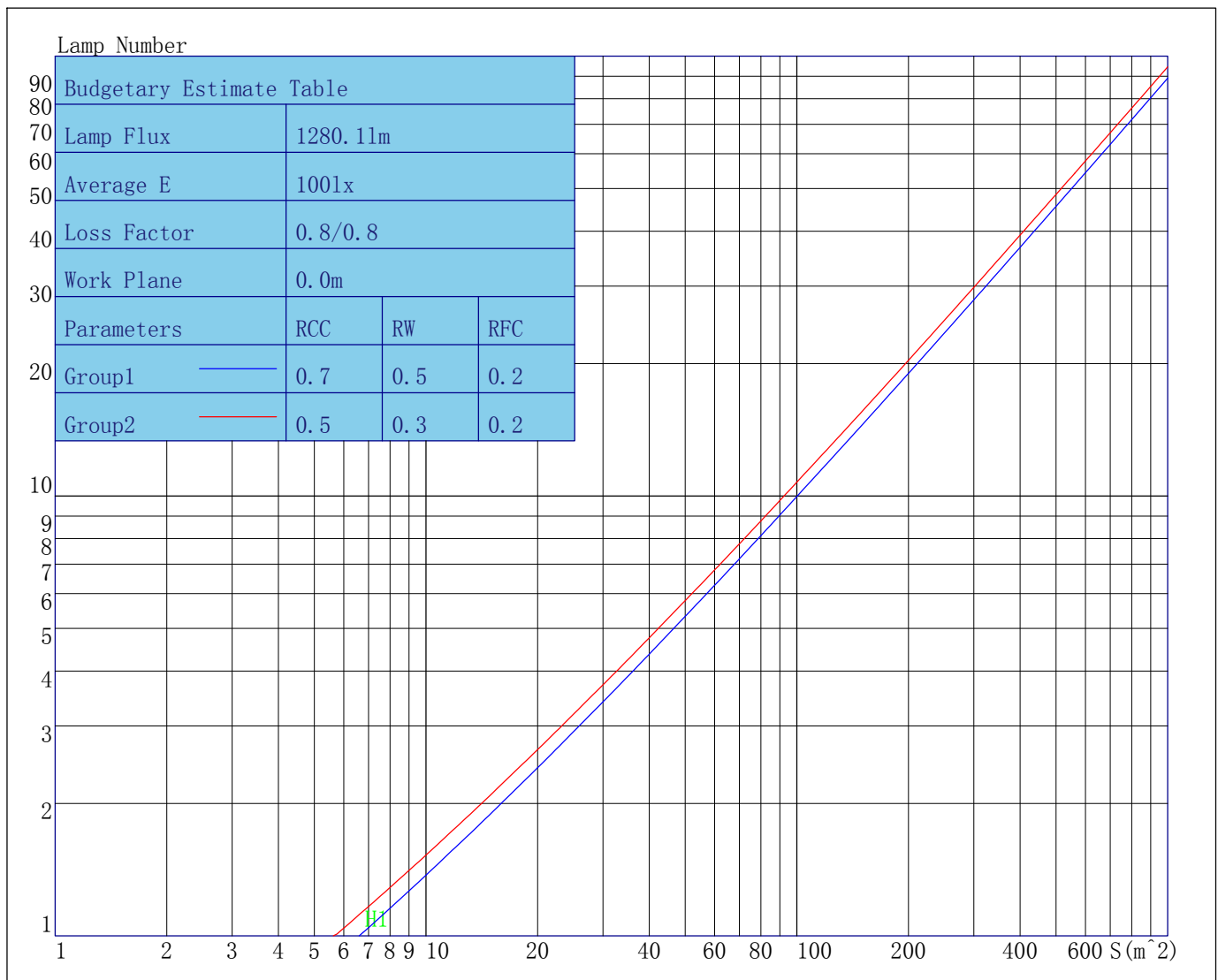
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.750 Area(m²)=0.040000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24



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

Lum. Name: MD10-13-XX-01 4000K 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: 2019/12/24

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	106	104	102	102	100	98	98	96	95	94	93	91	89
2	106	100	96	92	103	98	94	91	95	91	88	91	88	86	88	86	84	82
3	100	93	87	83	97	91	86	82	88	84	80	85	82	79	82	80	77	75
4	94	86	80	75	92	84	79	74	82	77	73	80	75	72	77	74	71	69
5	89	80	73	69	87	79	73	68	76	71	67	75	70	67	73	69	66	64
6	84	74	68	63	82	73	67	63	72	66	62	70	65	62	68	64	61	59
7	80	70	63	59	78	69	63	58	67	62	58	66	61	57	64	60	57	55
8	75	65	59	54	74	65	58	54	63	58	54	62	57	53	61	56	53	52
9	72	61	55	51	70	61	55	51	60	54	50	58	53	50	57	53	50	48
10	68	58	52	48	67	57	51	47	56	51	47	55	50	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	1246.77	1246.77	1246.77	1246.77
γ 1.0	1248.70	1248.41	1243.77	1243.99
γ 2.0	1249.45	1247.49	1240.00	1240.87
γ 3.0	1248.27	1246.17	1236.08	1238.45
γ 4.0	1245.95	1241.66	1230.00	1231.87
γ 5.0	1241.61	1238.12	1225.34	1225.98
γ 6.0	1236.07	1232.30	1219.24	1218.54
γ 7.0	1230.16	1226.44	1212.03	1211.63
γ 8.0	1224.54	1220.25	1204.61	1203.17
γ 9.0	1218.01	1213.51	1194.18	1194.28
γ 10.0	1210.72	1206.28	1181.01	1183.39
γ 11.0	1202.74	1198.01	1168.59	1172.57
γ 12.0	1193.35	1187.41	1152.27	1159.45
γ 13.0	1183.10	1174.28	1133.90	1145.19
γ 14.0	1170.35	1159.50	1114.36	1127.04
γ 15.0	1155.56	1141.69	1091.63	1107.19
γ 16.0	1139.05	1123.38	1066.08	1086.93
γ 17.0	1119.61	1100.11	1037.49	1061.89
γ 18.0	1098.24	1075.77	1008.17	1035.12
γ 19.0	1073.22	1048.56	977.06	1005.46
γ 20.0	1046.30	1019.85	943.55	973.27
γ 21.0	1016.62	988.06	907.07	937.80
γ 22.0	983.62	953.51	869.34	899.88
γ 23.0	950.26	918.20	829.48	861.78
γ 24.0	914.93	880.78	788.88	821.85
γ 25.0	875.78	840.71	746.62	780.36
γ 26.0	835.90	798.95	703.26	739.26
γ 27.0	796.15	756.13	660.62	696.44
γ 28.0	752.96	713.33	618.03	653.73
γ 29.0	710.44	670.48	574.91	610.41
γ 30.0	666.14	627.27	532.63	565.94
γ 31.0	623.55	585.90	491.67	522.82
γ 32.0	580.94	543.92	451.48	481.00
γ 33.0	538.81	502.01	412.85	440.62
γ 34.0	496.66	460.03	376.01	401.38
γ 35.0	454.86	418.83	339.63	363.90
γ 36.0	412.60	379.76	304.80	328.52
γ 37.0	374.35	342.76	272.89	294.53
γ 38.0	336.29	307.26	244.15	263.51
γ 39.0	300.79	273.37	219.04	235.15
γ 40.0	268.46	244.19	197.69	210.54
γ 41.0	241.18	219.67	179.11	189.97
γ 42.0	218.01	198.87	162.54	171.97
γ 43.0	197.85	180.44	147.79	155.64
γ 44.0	179.72	163.73	134.59	141.22
γ 45.0	163.53	148.68	122.72	127.88
γ 46.0	148.57	135.16	111.93	116.34

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	134.97	122.88	102.23	105.82
γ 48.0	122.69	111.82	93.19	96.34
γ 49.0	111.72	101.86	84.61	87.76
γ 50.0	101.89	93.15	76.75	80.03
γ 51.0	92.89	85.04	69.79	72.78
γ 52.0	84.72	77.64	63.54	66.14
γ 53.0	77.39	70.81	57.79	60.21
γ 54.0	70.59	64.51	52.50	54.81
γ 55.0	64.46	58.83	47.72	49.76
γ 56.0	58.98	53.68	43.26	45.42
γ 57.0	53.94	49.04	39.23	41.55
γ 58.0	49.33	44.76	35.64	37.87
γ 59.0	45.12	40.81	32.42	34.51
γ 60.0	41.23	37.23	29.33	31.43
γ 61.0	37.66	33.92	26.44	28.48
γ 62.0	34.36	30.86	23.83	25.75
γ 63.0	31.38	28.01	21.48	23.42
γ 64.0	28.56	25.41	19.39	21.51
γ 65.0	25.92	22.97	17.89	19.48
γ 66.0	23.45	20.63	16.25	18.01
γ 67.0	21.34	18.64	14.31	16.01
γ 68.0	19.43	16.92	13.03	14.78
γ 69.0	17.72	15.32	12.19	13.92
γ 70.0	15.74	13.56	11.47	13.08
γ 71.0	14.55	12.62	10.76	12.31
γ 72.0	13.63	11.79	10.03	11.51
γ 73.0	12.78	11.00	9.37	10.77
γ 74.0	11.92	10.22	8.82	10.14
γ 75.0	11.13	9.51	8.40	9.64
γ 76.0	10.42	8.92	8.04	9.24
γ 77.0	9.85	8.44	7.75	8.86
γ 78.0	9.40	8.05	7.47	8.54
γ 79.0	8.99	7.72	7.21	8.24
γ 80.0	8.65	7.41	6.95	7.94
γ 81.0	8.31	7.14	6.71	7.67
γ 82.0	8.01	6.87	6.47	7.40
γ 83.0	7.70	6.61	6.26	7.15
γ 84.0	7.41	6.38	6.05	6.91
γ 85.0	7.14	6.14	5.84	6.67
γ 86.0	6.89	5.93	5.56	6.41
γ 87.0	6.64	5.70	5.30	6.11
γ 88.0	6.33	5.39	5.10	5.88
γ 89.0	6.02	5.10	4.99	5.72
γ 90.0	5.76	4.89	4.88	5.60
γ 91.0	5.60	4.77	4.78	5.47
γ 92.0	5.45	4.66	4.69	5.35
γ 93.0	5.32	4.55	4.59	5.23

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.19	4.46	4.51	5.13
γ 95.0	5.09	4.36	4.43	5.03
γ 96.0	4.97	4.27	4.35	4.94
γ 97.0	4.87	4.18	4.28	4.85
γ 98.0	4.77	4.11	4.22	4.76
γ 99.0	4.67	4.04	4.17	4.69
γ 100.0	4.58	3.97	4.11	4.61
γ 101.0	4.51	3.90	4.07	4.55
γ 102.0	4.43	3.85	4.02	4.49
γ 103.0	4.37	3.80	3.98	4.43
γ 104.0	4.30	3.76	3.95	4.39
γ 105.0	4.25	3.71	3.93	4.34
γ 106.0	4.20	3.68	3.92	4.31
γ 107.0	4.15	3.65	3.90	4.28
γ 108.0	4.11	3.63	3.90	4.26
γ 109.0	4.07	3.61	3.90	4.25
γ 110.0	4.05	3.61	3.91	4.23
γ 111.0	4.03	3.61	3.93	4.23
γ 112.0	4.02	3.61	3.95	4.24
γ 113.0	4.01	3.62	3.97	4.25
γ 114.0	4.02	3.64	4.01	4.27
γ 115.0	4.02	3.67	4.05	4.30
γ 116.0	4.04	3.69	4.10	4.33
γ 117.0	4.07	3.72	4.16	4.36
γ 118.0	4.09	3.77	4.21	4.42
γ 119.0	4.13	3.83	4.28	4.46
γ 120.0	4.17	3.88	4.36	4.53
γ 121.0	4.21	3.96	4.43	4.59
γ 122.0	4.27	4.02	4.50	4.66
γ 123.0	4.33	4.09	4.60	4.74
γ 124.0	4.40	4.17	4.70	4.82
γ 125.0	4.47	4.26	4.80	4.91
γ 126.0	4.55	4.34	4.90	4.99
γ 127.0	4.64	4.45	5.02	5.09
γ 128.0	4.72	4.54	5.12	5.19
γ 129.0	4.82	4.64	5.23	5.30
γ 130.0	4.92	4.76	5.36	5.40
γ 131.0	5.03	4.86	5.48	5.51
γ 132.0	5.13	4.99	5.61	5.63
γ 133.0	5.24	5.10	5.72	5.74
γ 134.0	5.34	5.21	5.85	5.86
γ 135.0	5.46	5.34	5.98	5.98
γ 136.0	5.59	5.47	6.12	6.11
γ 137.0	5.71	5.60	6.24	6.22
γ 138.0	5.84	5.72	6.37	6.34
γ 139.0	5.97	5.85	6.51	6.46
γ 140.0	6.09	5.99	6.64	6.60

IES Indoor Report

Photometric Filename:MD10-13-XX-01 4000K RA90 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	6.21	6.12	6.78	6.71
γ 142.0	6.34	6.24	6.91	6.84
γ 143.0	6.46	6.38	7.04	6.97
γ 144.0	6.60	6.51	7.17	7.10
γ 145.0	6.73	6.64	7.30	7.22
γ 146.0	6.87	6.78	7.44	7.35
γ 147.0	7.00	6.91	7.55	7.46
γ 148.0	7.13	7.05	7.68	7.59
γ 149.0	7.25	7.17	7.81	7.70
γ 150.0	7.38	7.30	7.92	7.81
γ 151.0	7.51	7.44	8.05	7.92
γ 152.0	7.64	7.56	8.15	8.03
γ 153.0	7.75	7.68	8.26	8.13
γ 154.0	7.87	7.79	8.37	8.24
γ 155.0	8.00	7.93	8.48	8.34
γ 156.0	8.11	8.03	8.57	8.43
γ 157.0	8.22	8.15	8.68	8.53
γ 158.0	8.33	8.26	8.76	8.63
γ 159.0	8.44	8.37	8.87	8.72
γ 160.0	8.55	8.47	8.95	8.81
γ 161.0	8.66	8.58	9.05	8.91
γ 162.0	8.76	8.69	9.13	9.00
γ 163.0	8.86	8.79	9.22	9.07
γ 164.0	8.95	8.89	9.30	9.17
γ 165.0	9.07	8.99	9.39	9.24
γ 166.0	9.15	9.09	9.48	9.33
γ 167.0	9.24	9.17	9.56	9.41
γ 168.0	9.32	9.25	9.63	9.50
γ 169.0	9.41	9.32	9.69	9.56
γ 170.0	9.50	9.41	9.77	9.64
γ 171.0	9.59	9.49	9.84	9.70
γ 172.0	9.66	9.56	9.89	9.77
γ 173.0	9.74	9.63	9.93	9.81
γ 174.0	9.81	9.70	9.98	9.86
γ 175.0	9.86	9.75	10.01	9.91
γ 176.0	9.92	9.81	10.05	9.96
γ 177.0	9.97	9.86	10.07	9.98
γ 178.0	10.02	9.91	10.08	10.00
γ 179.0	10.06	9.94	10.09	10.01
γ 180.0	10.05	10.05	10.05	10.05