

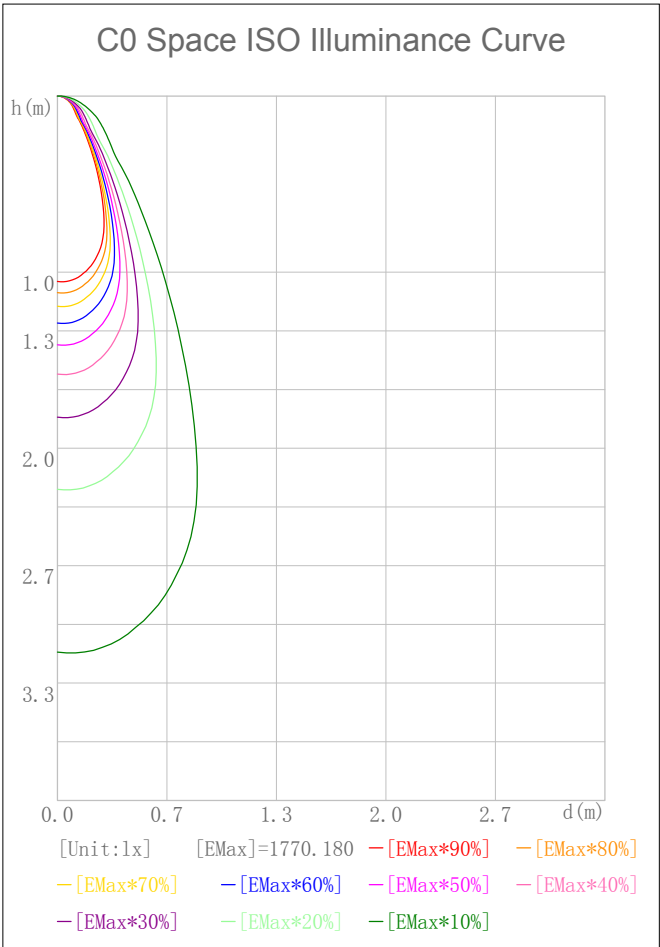
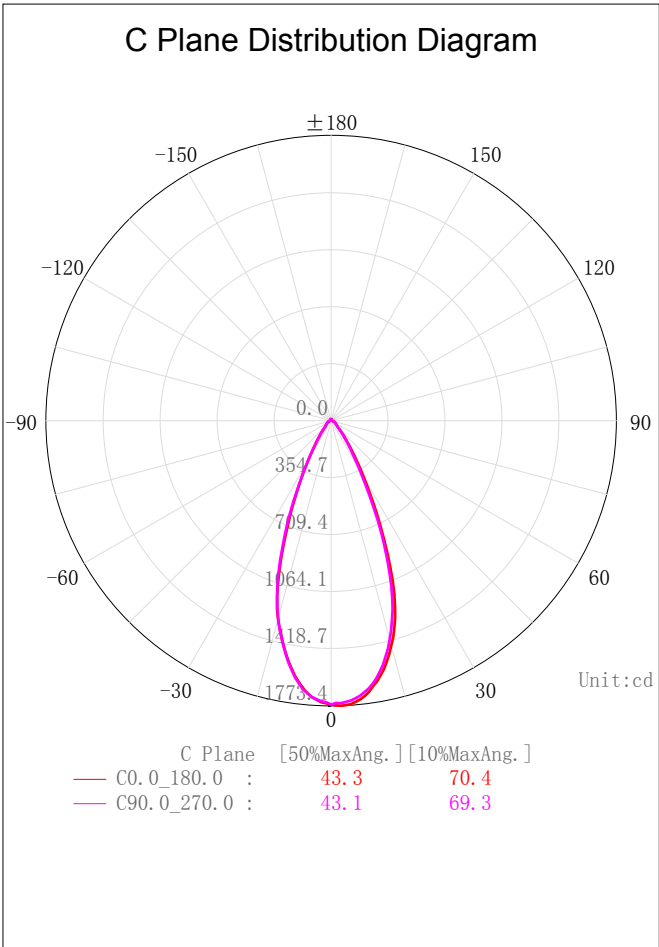
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-05 4000K RA90 38D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2020/01/06
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*0.090m		Lum. Area (m2):0.293	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): 1086.590	Luminary Flux(lm): 1086.589	Field Angle(10%Imax): 70.4(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1057.295lm 97.30%	
Rated Voltage(V):	Luminary EER(lm/W): 86.927	Up Lumens&Percent: 29.294lm 2.70%	
Tested Power(W): 12.500	Max. Candela(cd): 1773.419	S/MH: C0_a180=0.714 C90_270=0.706	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.2, 0.054, 0.948	Beam Angle(50%Imax): 43.3(°)	ErP Φ use(90°): 955.940lm	
Lamp Size (W*L*H):0.498m*0.498m*0.090m	Left=-20.2°, Right=23.1°	IRF(%): 354.514	



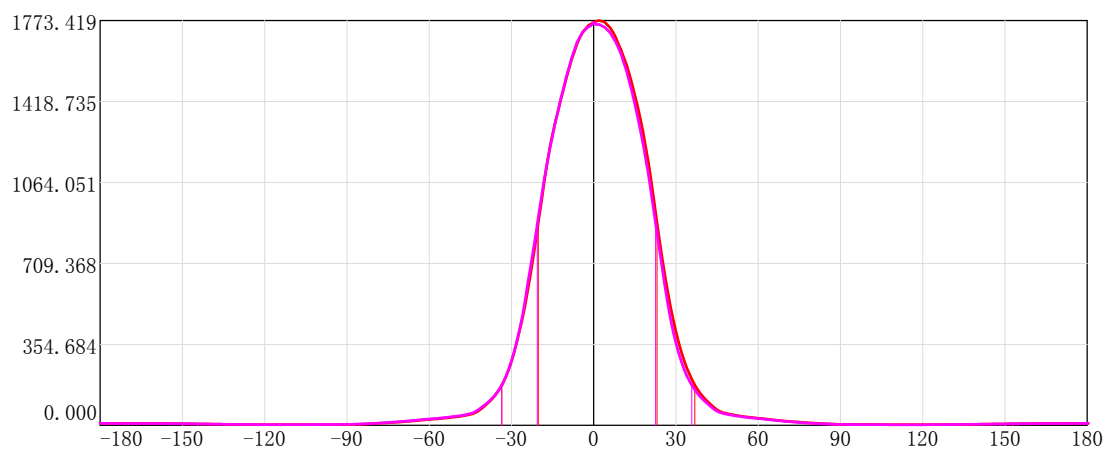
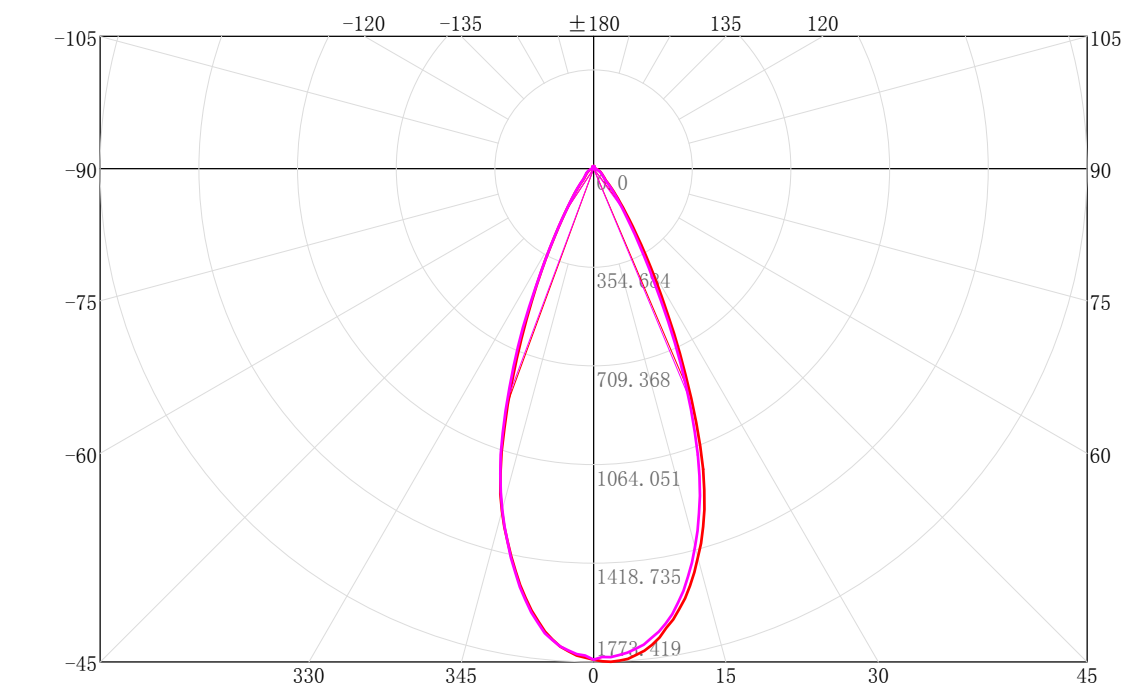
IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

C Plane Distribution Diagram



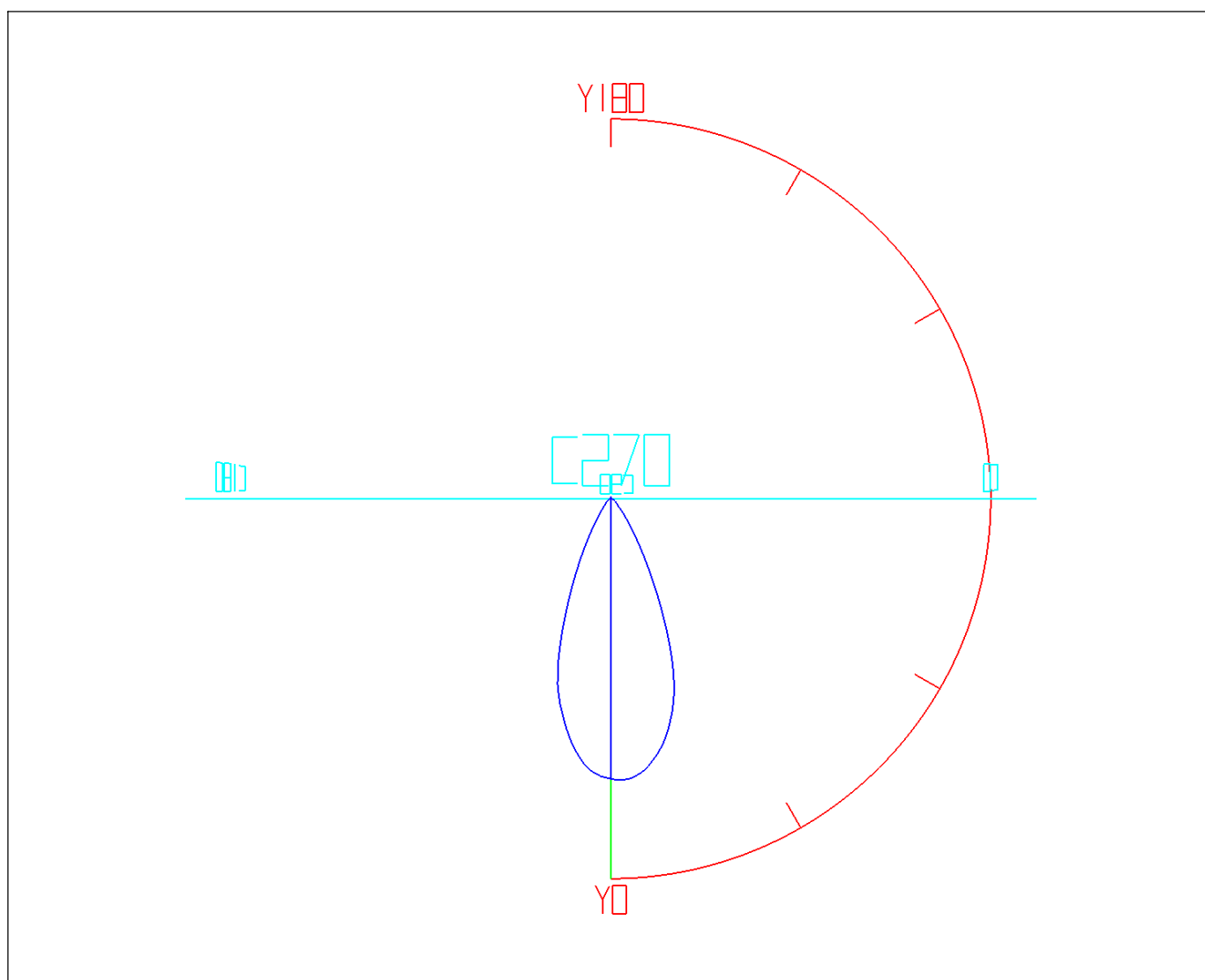
C Plane	[50%MaxAng.]	[10%MaxAng.]
C0.0_180.0 :	43.3	70.4
C90.0_270.0 :	43.1	69.3

Unit:cd

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

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

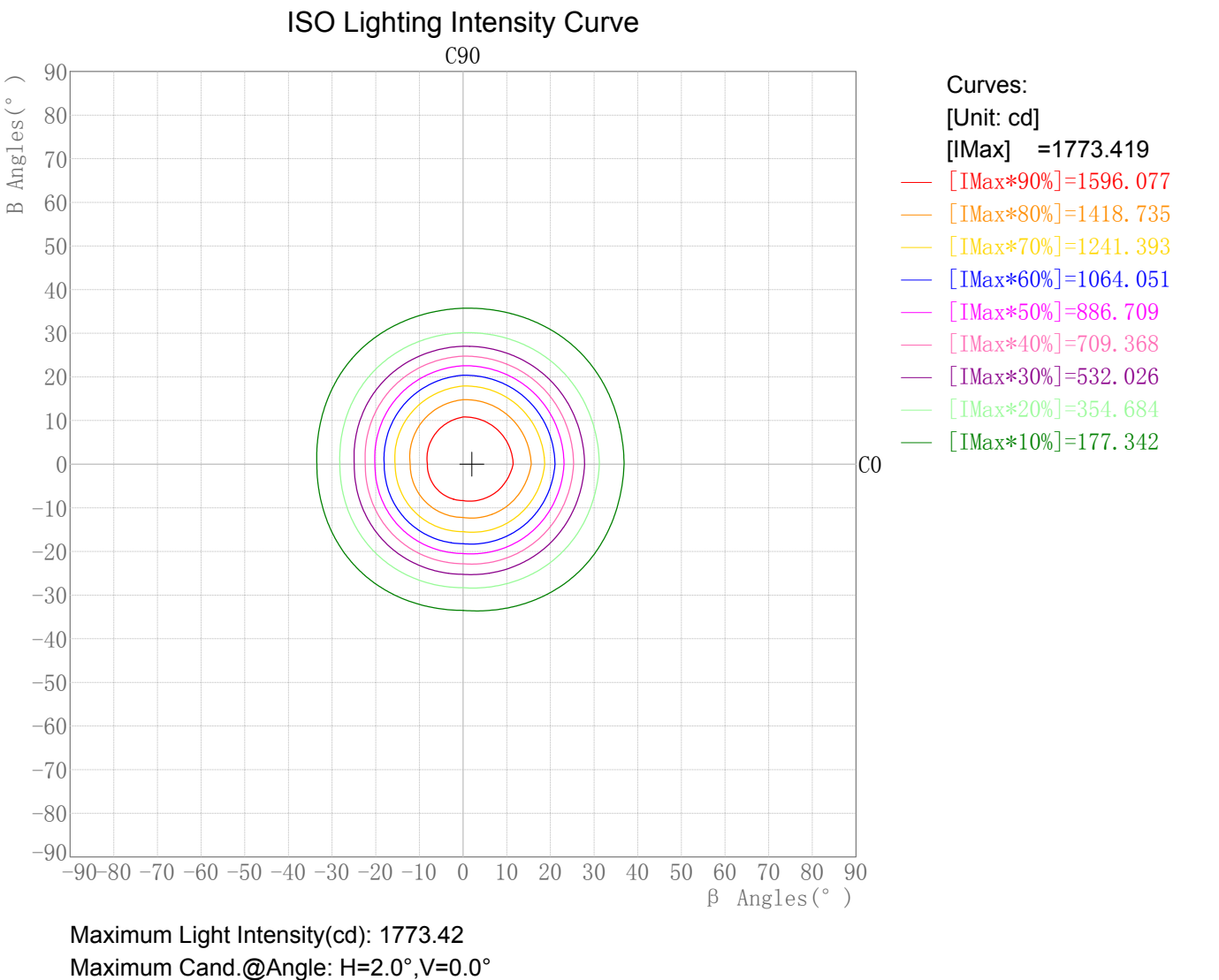
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.69	1.69	0.16	0.16	47.0-48.0	3.94	974.29	0.36	89.67
1.0-2.0	5.05	6.73	0.46	0.62	48.0-49.0	3.80	978.10	0.35	90.02
2.0-3.0	8.38	15.11	0.77	1.39	49.0-50.0	3.68	981.77	0.34	90.35
3.0-4.0	11.67	26.78	1.07	2.46	50.0-51.0	3.56	985.34	0.33	90.68
4.0-5.0	14.88	41.67	1.37	3.83	51.0-52.0	3.46	988.80	0.32	91.00
5.0-6.0	18.00	59.67	1.66	5.49	52.0-53.0	3.36	992.16	0.31	91.31
6.0-7.0	20.98	80.65	1.93	7.42	53.0-54.0	3.27	995.44	0.30	91.61
7.0-8.0	23.80	104.44	2.19	9.61	54.0-55.0	3.19	998.62	0.29	91.90
8.0-9.0	26.44	130.89	2.43	12.05	55.0-56.0	3.10	1001.73	0.29	92.19
9.0-10.0	28.90	159.79	2.66	14.71	56.0-57.0	3.02	1004.74	0.28	92.47
10.0-11.0	31.15	190.94	2.87	17.57	57.0-58.0	2.94	1007.69	0.27	92.74
11.0-12.0	33.16	224.10	3.05	20.62	58.0-59.0	2.87	1010.56	0.26	93.00
12.0-13.0	34.94	259.05	3.22	23.84	59.0-60.0	2.80	1013.36	0.26	93.26
13.0-14.0	36.49	295.53	3.36	27.20	60.0-61.0	2.73	1016.09	0.25	93.51
14.0-15.0	37.76	333.29	3.48	30.67	61.0-62.0	2.65	1018.74	0.24	93.76
15.0-16.0	38.75	372.04	3.57	34.24	62.0-63.0	2.56	1021.30	0.24	93.99
16.0-17.0	39.38	411.42	3.62	37.86	63.0-64.0	2.46	1023.76	0.23	94.22
17.0-18.0	39.61	451.03	3.65	41.51	64.0-65.0	2.36	1026.11	0.22	94.43
18.0-19.0	39.37	490.41	3.62	45.13	65.0-66.0	2.25	1028.36	0.21	94.64
19.0-20.0	38.66	529.07	3.56	48.69	66.0-67.0	2.14	1030.51	0.20	94.84
20.0-21.0	37.52	566.59	3.45	52.14	67.0-68.0	2.04	1032.55	0.19	95.03
21.0-22.0	36.01	602.60	3.31	55.46	68.0-69.0	1.95	1034.50	0.18	95.21
22.0-23.0	34.27	636.87	3.15	58.61	69.0-70.0	1.85	1036.35	0.17	95.38
23.0-24.0	32.31	669.19	2.97	61.59	70.0-71.0	1.76	1038.11	0.16	95.54
24.0-25.0	30.14	699.32	2.77	64.36	71.0-72.0	1.67	1039.78	0.15	95.69
25.0-26.0	27.82	727.14	2.56	66.92	72.0-73.0	1.58	1041.36	0.15	95.84
26.0-27.0	25.50	752.64	2.35	69.27	73.0-74.0	1.50	1042.86	0.14	95.98
27.0-28.0	23.26	775.90	2.14	71.41	74.0-75.0	1.42	1044.28	0.13	96.11
28.0-29.0	21.16	797.07	1.95	73.35	75.0-76.0	1.34	1045.62	0.12	96.23
29.0-30.0	19.21	816.28	1.77	75.12	76.0-77.0	1.26	1046.88	0.12	96.35
30.0-31.0	17.41	833.69	1.60	76.73	77.0-78.0	1.19	1048.07	0.11	96.45
31.0-32.0	15.76	849.45	1.45	78.18	78.0-79.0	1.12	1049.18	0.10	96.56
32.0-33.0	14.27	863.71	1.31	79.49	79.0-80.0	1.04	1050.23	0.10	96.65
33.0-34.0	12.92	876.64	1.19	80.68	80.0-81.0	0.98	1051.20	0.09	96.74
34.0-35.0	11.73	888.37	1.08	81.76	81.0-82.0	0.91	1052.11	0.08	96.83
35.0-36.0	10.68	899.05	0.98	82.74	82.0-83.0	0.84	1052.95	0.08	96.90
36.0-37.0	9.75	908.80	0.90	83.64	83.0-84.0	0.78	1053.73	0.07	96.98
37.0-38.0	8.92	917.72	0.82	84.46	84.0-85.0	0.72	1054.45	0.07	97.04
38.0-39.0	8.18	925.90	0.75	85.21	85.0-86.0	0.66	1055.11	0.06	97.10
39.0-40.0	7.50	933.39	0.69	85.90	86.0-87.0	0.60	1055.71	0.06	97.16
40.0-41.0	6.85	940.25	0.63	86.53	87.0-88.0	0.56	1056.27	0.05	97.21
41.0-42.0	6.24	946.48	0.57	87.11	88.0-89.0	0.52	1056.79	0.05	97.26
42.0-43.0	5.65	952.13	0.52	87.63	89.0-90.0	0.50	1057.29	0.05	97.30
43.0-44.0	5.11	957.24	0.47	88.10	90.0-91.0	0.49	1057.78	0.05	97.35
44.0-45.0	4.67	961.90	0.43	88.52	91.0-92.0	0.48	1058.26	0.04	97.39
45.0-46.0	4.34	966.24	0.40	88.92	92.0-93.0	0.47	1058.73	0.04	97.44
46.0-47.0	4.11	970.35	0.38	89.30	93.0-94.0	0.46	1059.19	0.04	97.48

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	0.45	1059.64	0.04	97.52	141.0-142.0	0.39	1076.67	0.04	99.09
95.0-96.0	0.44	1060.08	0.04	97.56	142.0-143.0	0.40	1077.06	0.04	99.12
96.0-97.0	0.43	1060.52	0.04	97.60	143.0-144.0	0.40	1077.46	0.04	99.16
97.0-98.0	0.42	1060.94	0.04	97.64	144.0-145.0	0.40	1077.86	0.04	99.20
98.0-99.0	0.42	1061.36	0.04	97.68	145.0-146.0	0.40	1078.26	0.04	99.23
99.0-100.0	0.41	1061.77	0.04	97.72	146.0-147.0	0.40	1078.65	0.04	99.27
100.0-101.0	0.40	1062.17	0.04	97.75	147.0-148.0	0.39	1079.05	0.04	99.31
101.0-102.0	0.39	1062.56	0.04	97.79	148.0-149.0	0.39	1079.44	0.04	99.34
102.0-103.0	0.39	1062.95	0.04	97.82	149.0-150.0	0.39	1079.83	0.04	99.38
103.0-104.0	0.38	1063.33	0.04	97.86	150.0-151.0	0.39	1080.21	0.04	99.41
104.0-105.0	0.37	1063.70	0.03	97.89	151.0-152.0	0.38	1080.59	0.04	99.45
105.0-106.0	0.37	1064.07	0.03	97.93	152.0-153.0	0.38	1080.97	0.03	99.48
106.0-107.0	0.36	1064.43	0.03	97.96	153.0-154.0	0.37	1081.34	0.03	99.52
107.0-108.0	0.36	1064.79	0.03	97.99	154.0-155.0	0.36	1081.70	0.03	99.55
108.0-109.0	0.35	1065.14	0.03	98.03	155.0-156.0	0.35	1082.05	0.03	99.58
109.0-110.0	0.35	1065.49	0.03	98.06	156.0-157.0	0.34	1082.40	0.03	99.61
110.0-111.0	0.34	1065.83	0.03	98.09	157.0-158.0	0.33	1082.73	0.03	99.64
111.0-112.0	0.34	1066.17	0.03	98.12	158.0-159.0	0.32	1083.05	0.03	99.67
112.0-113.0	0.34	1066.51	0.03	98.15	159.0-160.0	0.31	1083.37	0.03	99.70
113.0-114.0	0.33	1066.84	0.03	98.18	160.0-161.0	0.30	1083.67	0.03	99.73
114.0-115.0	0.33	1067.17	0.03	98.21	161.0-162.0	0.29	1083.96	0.03	99.76
115.0-116.0	0.33	1067.50	0.03	98.24	162.0-163.0	0.27	1084.23	0.03	99.78
116.0-117.0	0.33	1067.83	0.03	98.27	163.0-164.0	0.26	1084.49	0.02	99.81
117.0-118.0	0.33	1068.15	0.03	98.30	164.0-165.0	0.25	1084.74	0.02	99.83
118.0-119.0	0.32	1068.48	0.03	98.33	165.0-166.0	0.23	1084.97	0.02	99.85
119.0-120.0	0.32	1068.80	0.03	98.36	166.0-167.0	0.22	1085.19	0.02	99.87
120.0-121.0	0.33	1069.13	0.03	98.39	167.0-168.0	0.20	1085.39	0.02	99.89
121.0-122.0	0.33	1069.45	0.03	98.42	168.0-169.0	0.19	1085.58	0.02	99.91
122.0-123.0	0.33	1069.78	0.03	98.45	169.0-170.0	0.17	1085.75	0.02	99.92
123.0-124.0	0.33	1070.11	0.03	98.48	170.0-171.0	0.16	1085.91	0.01	99.94
124.0-125.0	0.33	1070.45	0.03	98.51	171.0-172.0	0.14	1086.05	0.01	99.95
125.0-126.0	0.34	1070.78	0.03	98.55	172.0-173.0	0.13	1086.18	0.01	99.96
126.0-127.0	0.34	1071.12	0.03	98.58	173.0-174.0	0.11	1086.28	0.01	99.97
127.0-128.0	0.34	1071.46	0.03	98.61	174.0-175.0	0.09	1086.38	0.01	99.98
128.0-129.0	0.35	1071.81	0.03	98.64	175.0-176.0	0.08	1086.45	0.01	99.99
129.0-130.0	0.35	1072.16	0.03	98.67	176.0-177.0	0.06	1086.51	0.01	99.99
130.0-131.0	0.35	1072.51	0.03	98.70	177.0-178.0	0.04	1086.55	0.00	100.00
131.0-132.0	0.36	1072.87	0.03	98.74	178.0-179.0	0.03	1086.58	0.00	100.00
132.0-133.0	0.36	1073.23	0.03	98.77	179.0-180.0	0.01	1086.59	0.00	100.00
133.0-134.0	0.37	1073.60	0.03	98.80					
134.0-135.0	0.37	1073.97	0.03	98.84					
135.0-136.0	0.37	1074.34	0.03	98.87					
136.0-137.0	0.38	1074.72	0.03	98.91					
137.0-138.0	0.38	1075.11	0.04	98.94					
138.0-139.0	0.39	1075.49	0.04	98.98					
139.0-140.0	0.39	1075.88	0.04	99.01					
140.0-141.0	0.39	1076.27	0.04	99.05					

Rectangle ISO Lighting Intensity Diagram

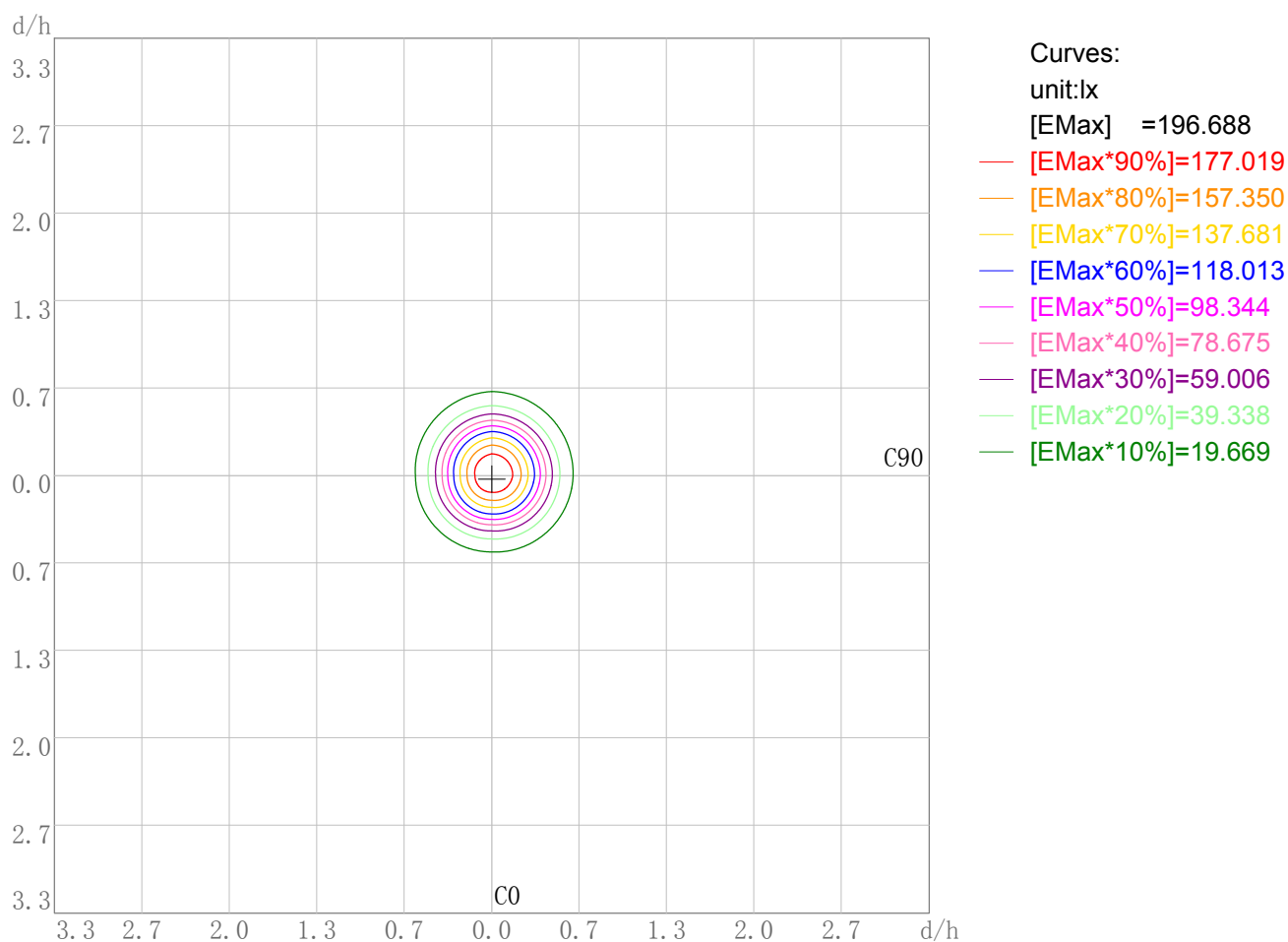
Lum. Name:MD10-13-XX-05 4000K RA90 38D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06



Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 196.69

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

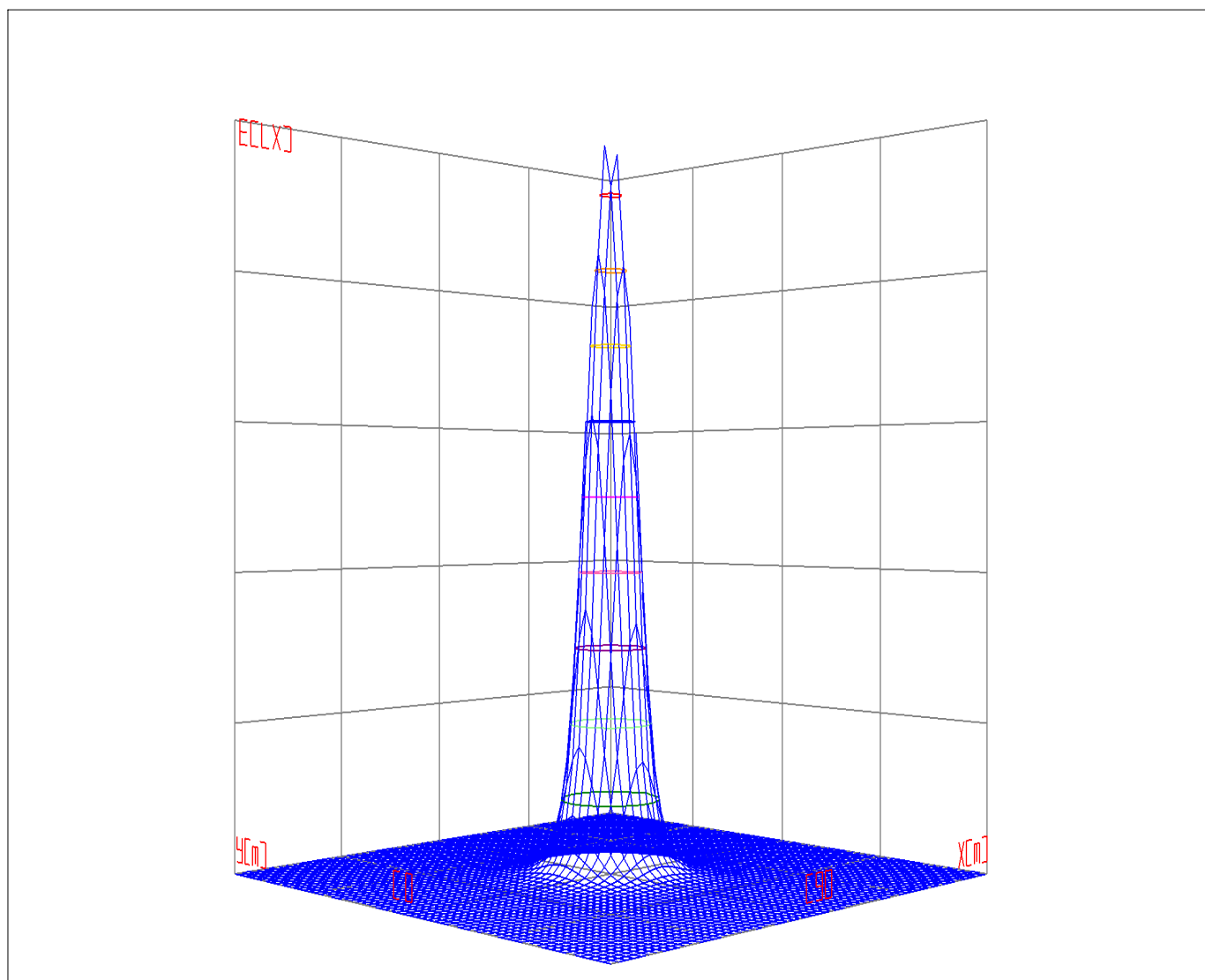
IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

3D Plane Illuminance Modal

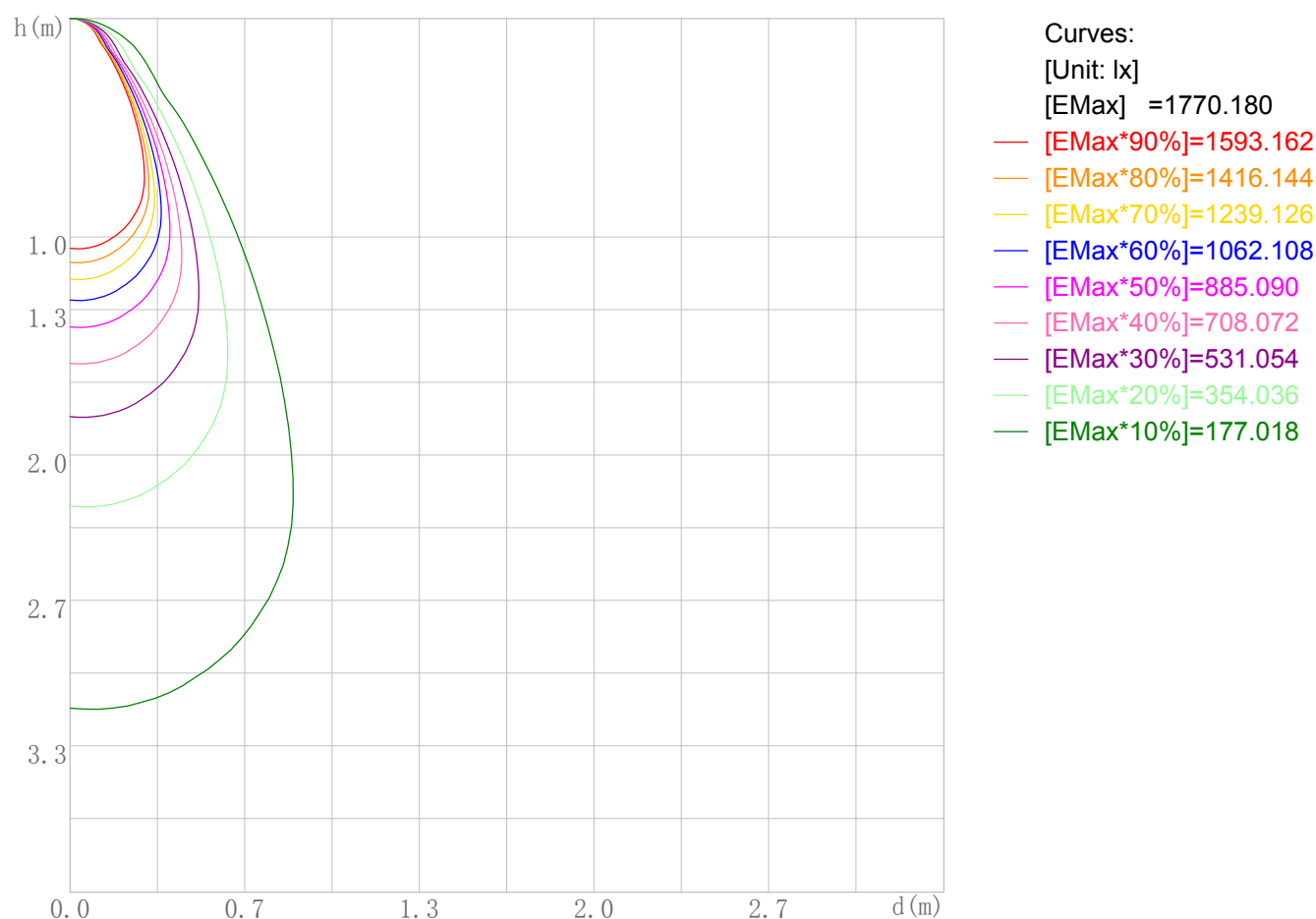


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1770.18lx,2.0deg

Plane Maximum Lighting Intensity and @Angle:1773.419cd,0deg

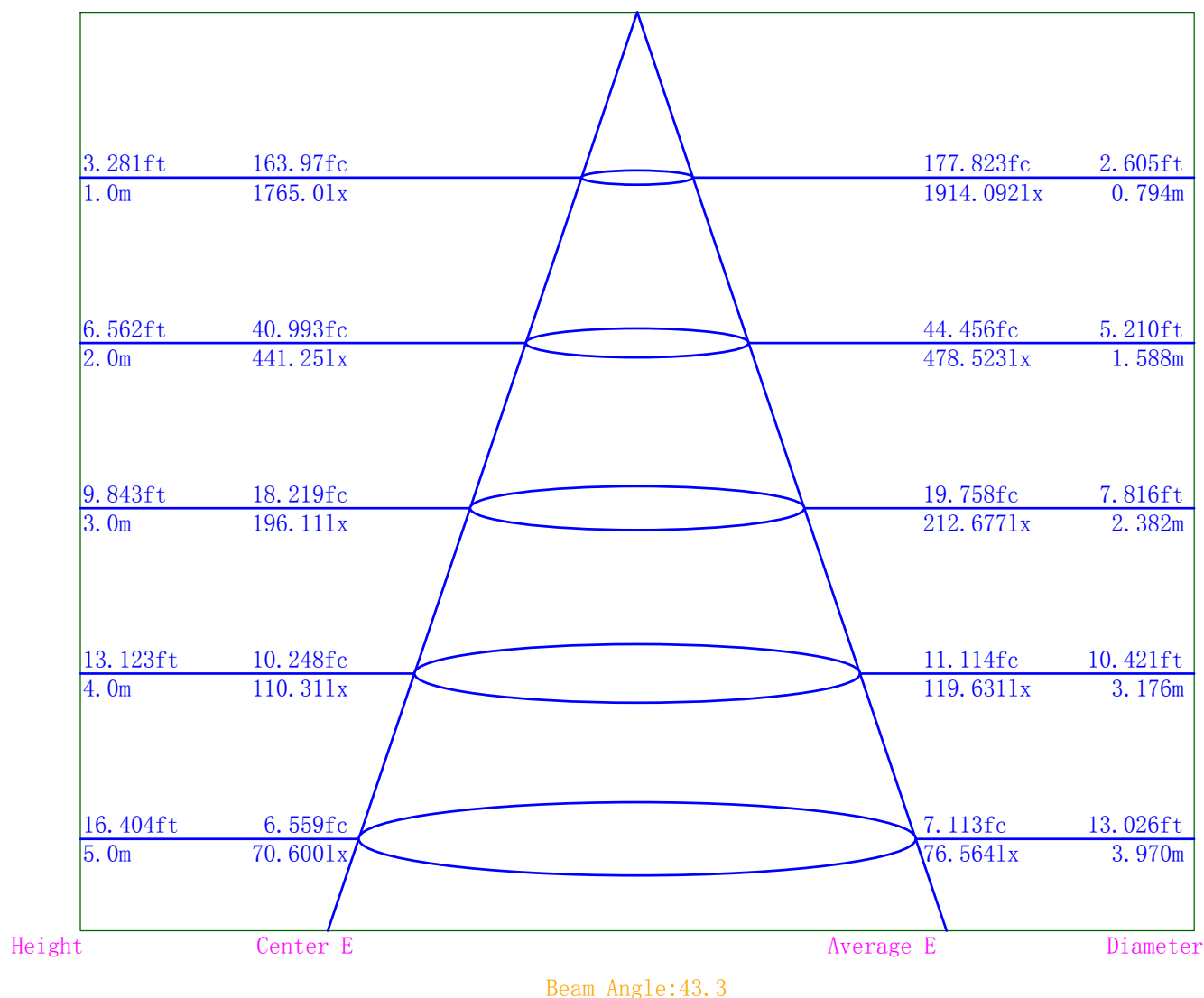
IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06

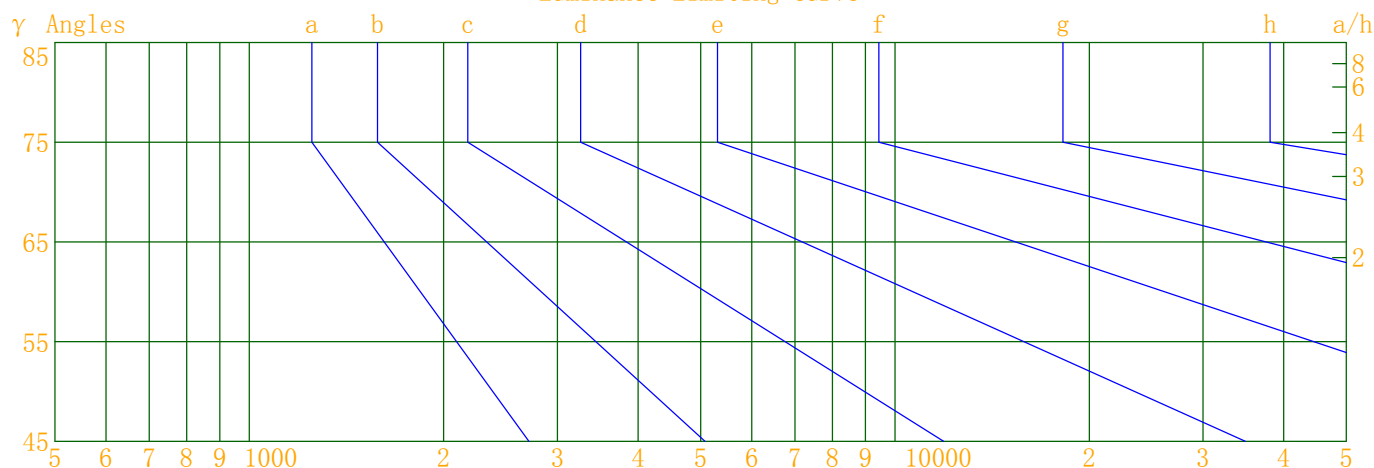
Glare Grade Table

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	331	258	230	217	205	192	190	207	286
C90	301	241	218	207	194	178	172	183	243

Luminance Limiting Curve



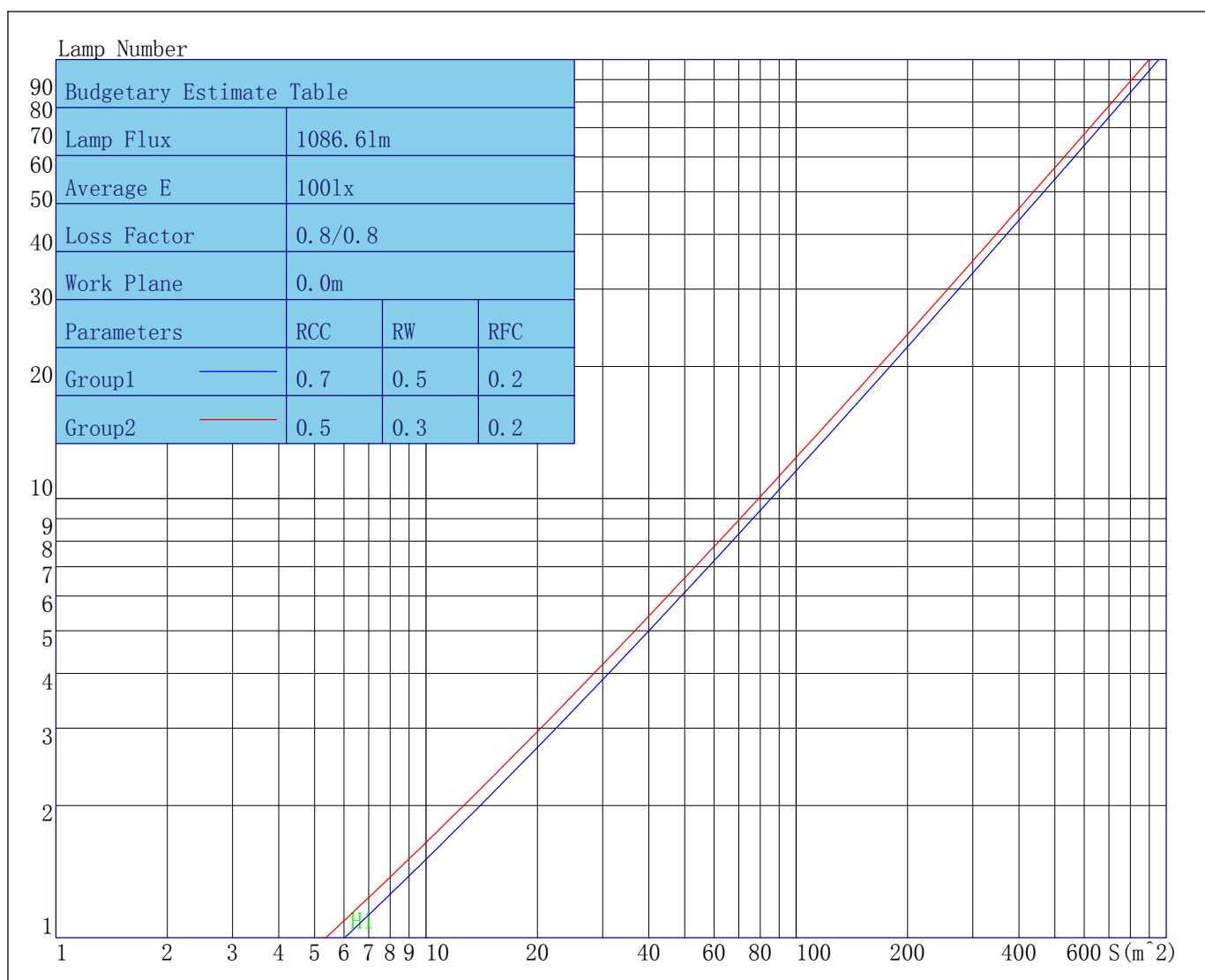
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.090 Area(m^2)=0.292824
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-05 4000K RA90 38D	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: 2020/01/06



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-05 4000K RA90 38D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/06

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	110	107	105	110	107	105	103	103	101	99	98	97	96	94	93	92	90
2	107	102	98	94	104	100	96	93	96	93	90	93	90	88	90	88	86	84
3	102	95	90	86	99	93	89	85	90	87	83	88	84	82	85	82	80	78
4	97	89	84	79	95	88	83	79	85	81	78	83	79	76	81	78	75	74
5	92	84	78	74	90	83	77	73	81	76	73	79	75	72	77	74	71	69
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	73	70	67	65
7	84	75	69	65	83	74	69	65	73	68	64	71	67	64	70	66	63	62
8	80	71	66	62	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	65	59	56	73	64	59	55	63	58	55	62	58	55	61	57	55	53

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=2H to X=12H, Y=2H to Y=12H) showing Unified Glare Rating (UGR) values. Includes a section for Variations with the observer position at spacings and a 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	1764.99	1764.99	1764.99	1764.99
γ 1.0	1770.60	1755.27	1757.74	1750.25
γ 2.0	1773.42	1756.82	1750.92	1745.54
γ 3.0	1770.84	1750.48	1736.41	1733.98
γ 4.0	1766.49	1743.93	1721.93	1721.24
γ 5.0	1754.25	1732.41	1699.06	1700.37
γ 6.0	1741.91	1720.03	1672.65	1679.16
γ 7.0	1723.87	1699.90	1637.51	1644.82
γ 8.0	1701.15	1680.52	1603.51	1610.32
γ 9.0	1671.18	1654.98	1561.86	1568.33
γ 10.0	1645.45	1625.89	1519.54	1527.03
γ 11.0	1612.13	1589.11	1472.57	1477.19
γ 12.0	1579.00	1551.19	1424.10	1429.56
γ 13.0	1538.42	1505.28	1374.47	1376.28
γ 14.0	1494.91	1459.72	1327.41	1325.23
γ 15.0	1446.46	1407.20	1274.07	1268.27
γ 16.0	1400.66	1354.18	1216.74	1209.36
γ 17.0	1345.68	1295.03	1146.03	1147.80
γ 18.0	1288.38	1236.38	1069.56	1081.29
γ 19.0	1220.66	1167.40	984.74	1004.18
γ 20.0	1149.75	1095.06	902.40	925.21
γ 21.0	1068.78	1014.57	816.66	843.69
γ 22.0	984.55	933.36	737.88	768.83
γ 23.0	897.33	850.51	663.91	696.31
γ 24.0	813.55	770.38	594.26	625.57
γ 25.0	733.23	690.17	526.40	548.48
γ 26.0	658.53	609.97	468.14	479.33
γ 27.0	585.89	533.21	414.22	419.62
γ 28.0	520.75	467.41	364.68	369.33
γ 29.0	463.37	410.00	318.56	321.49
γ 30.0	411.71	361.10	278.82	281.00
γ 31.0	363.72	317.09	243.78	245.29
γ 32.0	321.86	279.65	214.10	214.63
γ 33.0	284.50	246.10	188.03	188.11
γ 34.0	251.91	217.07	165.99	166.40
γ 35.0	222.68	192.54	146.72	148.11
γ 36.0	197.15	171.97	130.24	132.61
γ 37.0	174.52	154.08	116.19	118.89
γ 38.0	155.43	138.29	104.21	107.25
γ 39.0	138.65	124.36	93.05	96.85
γ 40.0	124.54	112.08	82.58	87.58
γ 41.0	111.65	100.68	72.59	78.19
γ 42.0	100.04	90.20	63.81	69.43
γ 43.0	88.60	79.52	56.54	61.58
γ 44.0	77.74	70.13	51.50	55.72
γ 45.0	68.48	62.37	48.07	51.59
γ 46.0	61.73	56.96	45.67	48.76

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	57.11	53.32	43.37	46.29
γ 48.0	53.95	50.47	41.38	44.20
γ 49.0	51.14	47.76	39.50	42.19
γ 50.0	48.49	45.35	37.98	40.52
γ 51.0	46.03	43.22	36.49	38.92
γ 52.0	43.95	41.36	35.14	37.50
γ 53.0	41.97	39.63	33.77	36.10
γ 54.0	40.28	38.10	32.49	34.80
γ 55.0	38.58	36.56	31.23	33.46
γ 56.0	37.09	35.10	30.13	32.30
γ 57.0	35.57	33.75	29.03	31.16
γ 58.0	34.20	32.53	28.08	30.19
γ 59.0	32.90	31.35	27.13	29.24
γ 60.0	31.71	30.26	26.20	28.36
γ 61.0	30.52	29.19	25.16	27.34
γ 62.0	29.40	28.05	24.08	26.29
γ 63.0	28.15	26.75	22.83	25.02
γ 64.0	26.88	25.44	21.71	23.79
γ 65.0	25.42	24.00	20.58	22.58
γ 66.0	24.05	22.67	19.51	21.47
γ 67.0	22.71	21.37	18.46	20.36
γ 68.0	21.53	20.15	17.51	19.29
γ 69.0	20.34	18.97	16.53	18.27
γ 70.0	19.22	17.87	15.64	17.30
γ 71.0	18.16	16.79	14.76	16.36
γ 72.0	17.15	15.81	13.95	15.48
γ 73.0	16.16	14.84	13.12	14.59
γ 74.0	15.26	13.94	12.36	13.78
γ 75.0	14.38	13.06	11.60	12.97
γ 76.0	13.54	12.24	10.89	12.22
γ 77.0	12.74	11.45	10.19	11.45
γ 78.0	11.97	10.70	9.52	10.74
γ 79.0	11.21	9.97	8.86	10.04
γ 80.0	10.52	9.29	8.23	9.36
γ 81.0	9.83	8.62	7.62	8.70
γ 82.0	9.17	7.98	7.02	8.07
γ 83.0	8.52	7.35	6.43	7.44
γ 84.0	7.91	6.76	5.90	6.85
γ 85.0	7.30	6.21	5.35	6.27
γ 86.0	6.72	5.67	4.86	5.75
γ 87.0	6.18	5.15	4.46	5.28
γ 88.0	5.67	4.69	4.26	5.00
γ 89.0	5.24	4.38	4.16	4.85
γ 90.0	5.03	4.23	4.08	4.75
γ 91.0	4.90	4.15	4.00	4.64
γ 92.0	4.79	4.05	3.92	4.53
γ 93.0	4.69	3.98	3.85	4.43

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	4.58	3.91	3.78	4.37
γ 95.0	4.49	3.84	3.72	4.27
γ 96.0	4.41	3.76	3.66	4.20
γ 97.0	4.32	3.70	3.61	4.13
γ 98.0	4.24	3.63	3.56	4.06
γ 99.0	4.16	3.57	3.51	4.00
γ 100.0	4.08	3.52	3.46	3.94
γ 101.0	4.01	3.45	3.42	3.88
γ 102.0	3.94	3.40	3.39	3.84
γ 103.0	3.88	3.35	3.36	3.78
γ 104.0	3.82	3.30	3.33	3.74
γ 105.0	3.75	3.26	3.31	3.71
γ 106.0	3.70	3.21	3.28	3.67
γ 107.0	3.64	3.18	3.26	3.63
γ 108.0	3.60	3.15	3.24	3.60
γ 109.0	3.56	3.12	3.24	3.58
γ 110.0	3.52	3.08	3.24	3.57
γ 111.0	3.48	3.07	3.23	3.54
γ 112.0	3.45	3.05	3.24	3.54
γ 113.0	3.43	3.03	3.25	3.53
γ 114.0	3.41	3.03	3.27	3.54
γ 115.0	3.39	3.02	3.29	3.54
γ 116.0	3.37	3.03	3.31	3.56
γ 117.0	3.37	3.03	3.36	3.58
γ 118.0	3.38	3.04	3.40	3.61
γ 119.0	3.38	3.06	3.45	3.65
γ 120.0	3.40	3.09	3.51	3.69
γ 121.0	3.42	3.13	3.58	3.75
γ 122.0	3.46	3.16	3.65	3.81
γ 123.0	3.49	3.22	3.73	3.87
γ 124.0	3.53	3.27	3.81	3.94
γ 125.0	3.58	3.34	3.91	4.02
γ 126.0	3.64	3.41	4.01	4.12
γ 127.0	3.72	3.50	4.11	4.20
γ 128.0	3.79	3.59	4.23	4.31
γ 129.0	3.87	3.68	4.34	4.42
γ 130.0	3.97	3.78	4.46	4.54
γ 131.0	4.07	3.89	4.60	4.65
γ 132.0	4.17	3.99	4.74	4.78
γ 133.0	4.28	4.11	4.88	4.90
γ 134.0	4.40	4.23	5.03	5.03
γ 135.0	4.52	4.37	5.18	5.16
γ 136.0	4.66	4.51	5.33	5.31
γ 137.0	4.78	4.65	5.48	5.46
γ 138.0	4.92	4.80	5.64	5.61
γ 139.0	5.07	4.94	5.80	5.76
γ 140.0	5.22	5.09	5.97	5.91

IES Indoor Report

Photometric Filename:MD10-13-XX-05 4000K RA90 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.37	5.24	6.12	6.05
γ 142.0	5.52	5.41	6.28	6.21
γ 143.0	5.68	5.57	6.43	6.35
γ 144.0	5.84	5.74	6.59	6.51
γ 145.0	6.00	5.89	6.75	6.65
γ 146.0	6.16	6.05	6.91	6.80
γ 147.0	6.31	6.19	7.05	6.95
γ 148.0	6.45	6.35	7.20	7.08
γ 149.0	6.61	6.50	7.34	7.21
γ 150.0	6.77	6.65	7.49	7.35
γ 151.0	6.92	6.80	7.62	7.48
γ 152.0	7.06	6.94	7.76	7.60
γ 153.0	7.19	7.10	7.88	7.71
γ 154.0	7.34	7.22	8.00	7.83
γ 155.0	7.46	7.35	8.09	7.91
γ 156.0	7.60	7.47	8.19	8.01
γ 157.0	7.72	7.59	8.29	8.09
γ 158.0	7.82	7.70	8.38	8.18
γ 159.0	7.92	7.80	8.44	8.23
γ 160.0	8.02	7.88	8.50	8.29
γ 161.0	8.10	7.98	8.55	8.34
γ 162.0	8.18	8.06	8.61	8.39
γ 163.0	8.24	8.13	8.64	8.42
γ 164.0	8.32	8.19	8.68	8.47
γ 165.0	8.38	8.25	8.70	8.49
γ 166.0	8.44	8.28	8.75	8.52
γ 167.0	8.48	8.35	8.77	8.55
γ 168.0	8.54	8.39	8.81	8.59
γ 169.0	8.58	8.43	8.84	8.61
γ 170.0	8.62	8.47	8.87	8.64
γ 171.0	8.68	8.52	8.88	8.66
γ 172.0	8.73	8.53	8.92	8.69
γ 173.0	8.77	8.58	8.95	8.70
γ 174.0	8.80	8.62	8.98	8.72
γ 175.0	8.85	8.66	8.99	8.76
γ 176.0	8.89	8.71	9.00	8.78
γ 177.0	8.94	8.74	9.02	8.82
γ 178.0	8.95	8.78	9.04	8.83
γ 179.0	8.99	8.79	9.06	8.85
γ 180.0	8.95	8.95	8.95	8.95