

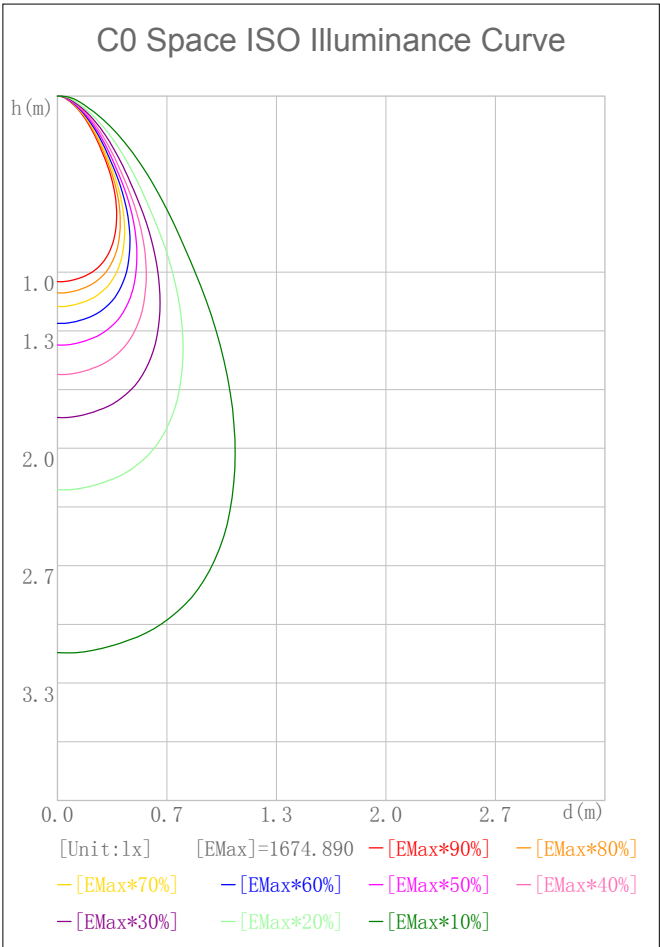
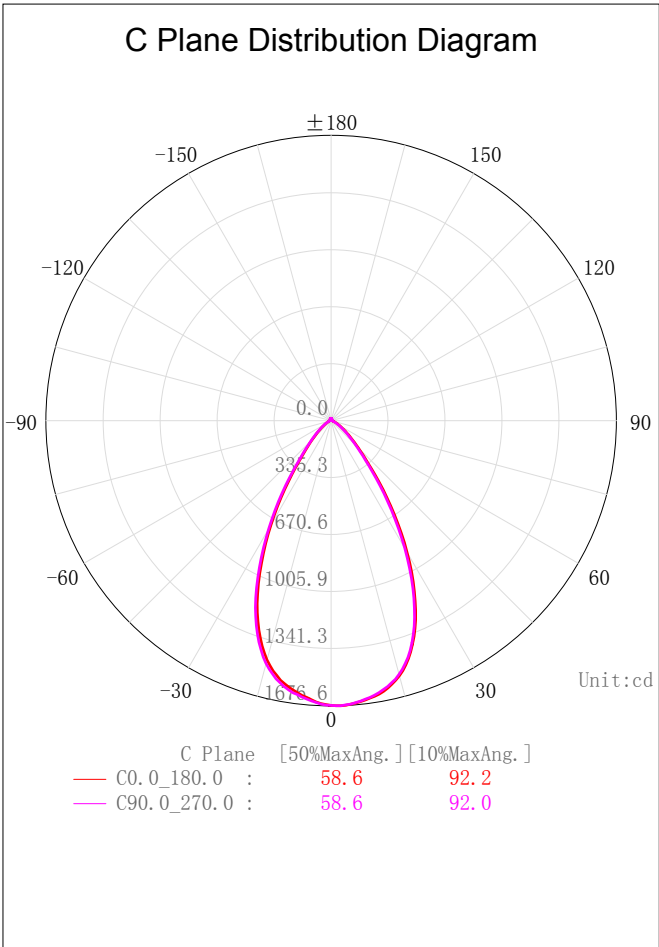
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-18-XX-01 4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/27
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):0.550m*0.550m*0.850m	Lum. Area (m2):0.770	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

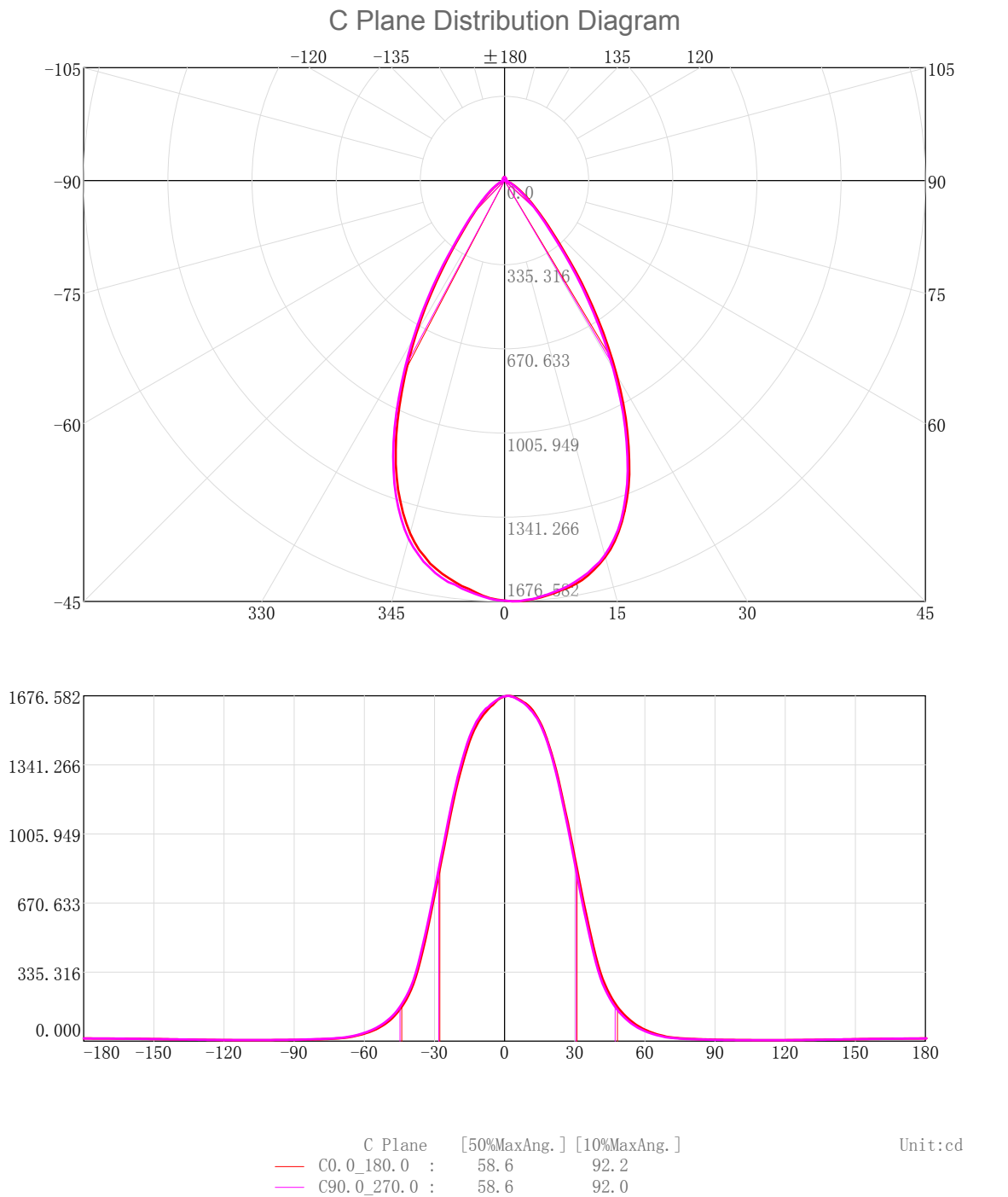
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1709.230	Luminary Flux(lm): 1709.228	Field Angle(10%Imax): 92.2(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1663.545lm 97.33%
Rated Voltage(V):	Luminary EER(lm/W): 102.288	Up Lumens&Percent: 45.683lm 2.67%
Tested Power(W): 16.710	Max. Candela(cd): 1676.582	S/MH: C0_a180=0.911 C90_270=0.913
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.4, 0.071	Beam Angle(50%Imax): 58.6(°)	ErP ϕ use(90°): 1477.020lm
Lamp Size (W*L*H):0.550m*0.550m*0.850m	Left=-27.6°, Right=31.0°	IRF(%): 215.377



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-18-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: 2019/12/27



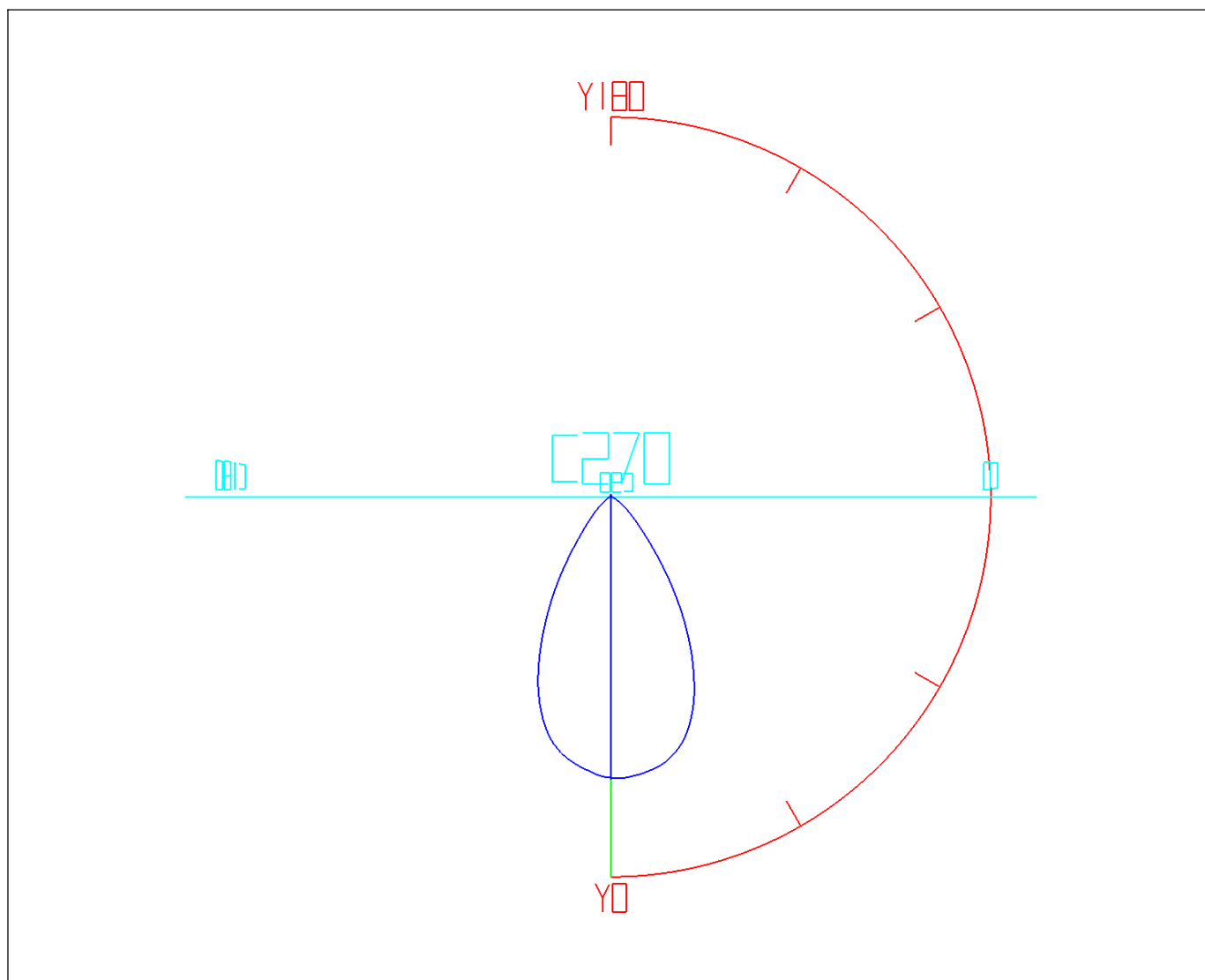
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-18-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: 2019/12/27

## 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

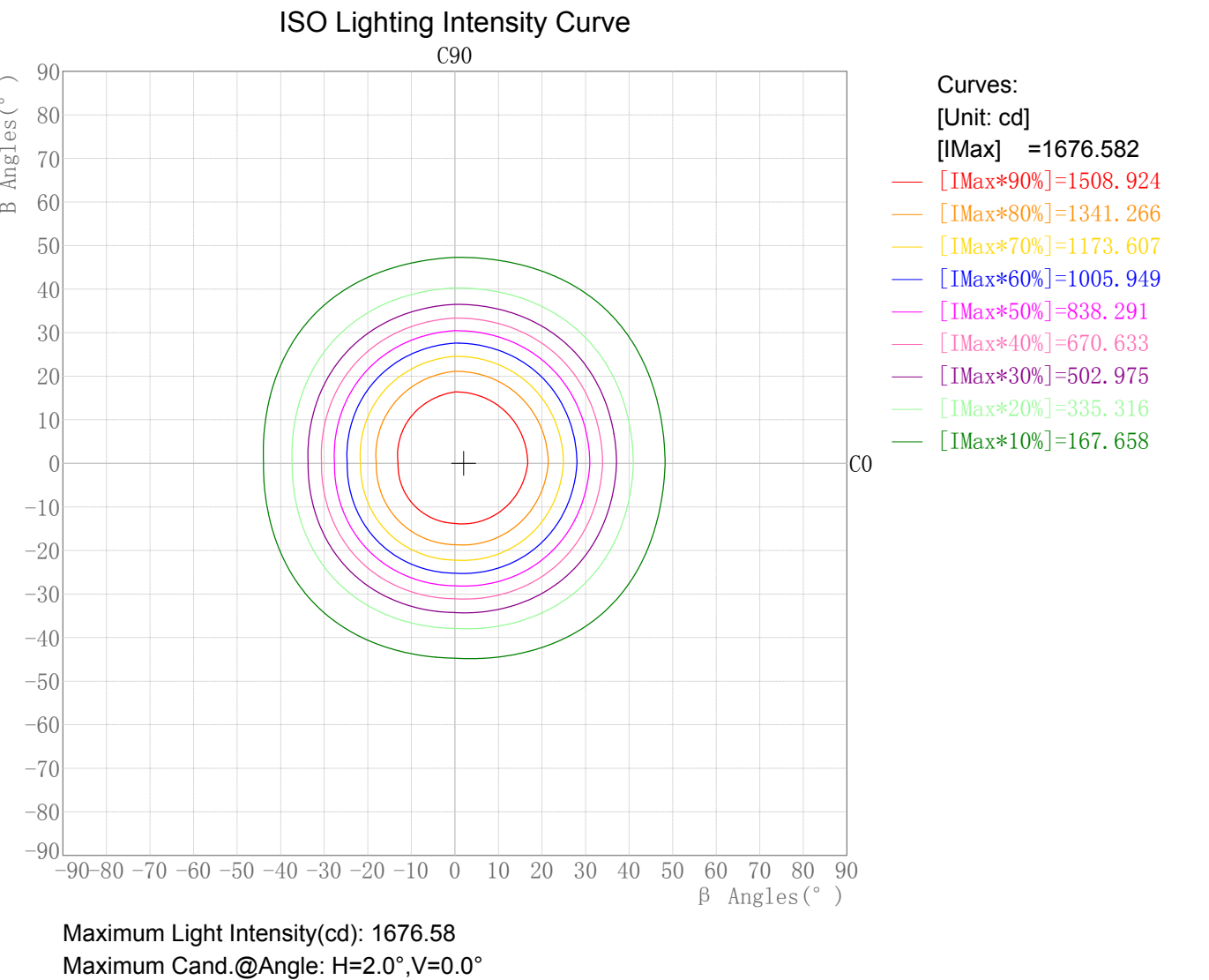
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.60	1.60	0.09	0.09	47.0-48.0	11.95	1522.51	0.70	89.08
1.0-2.0	4.80	6.40	0.28	0.37	48.0-49.0	11.05	1533.56	0.65	89.72
2.0-3.0	7.98	14.38	0.47	0.84	49.0-50.0	10.22	1543.78	0.60	90.32
3.0-4.0	11.13	25.50	0.65	1.49	50.0-51.0	9.44	1553.22	0.55	90.87
4.0-5.0	14.24	39.74	0.83	2.33	51.0-52.0	8.73	1561.95	0.51	91.38
5.0-6.0	17.31	57.05	1.01	3.34	52.0-53.0	8.06	1570.01	0.47	91.86
6.0-7.0	20.34	77.40	1.19	4.53	53.0-54.0	7.45	1577.46	0.44	92.29
7.0-8.0	23.33	100.72	1.36	5.89	54.0-55.0	6.86	1584.32	0.40	92.69
8.0-9.0	26.26	126.99	1.54	7.43	55.0-56.0	6.32	1590.65	0.37	93.06
9.0-10.0	29.12	156.11	1.70	9.13	56.0-57.0	5.82	1596.47	0.34	93.40
10.0-11.0	31.88	187.99	1.87	11.00	57.0-58.0	5.36	1601.83	0.31	93.72
11.0-12.0	34.54	222.53	2.02	13.02	58.0-59.0	4.93	1606.76	0.29	94.00
12.0-13.0	37.07	259.59	2.17	15.19	59.0-60.0	4.54	1611.30	0.27	94.27
13.0-14.0	39.46	299.06	2.31	17.50	60.0-61.0	4.17	1615.47	0.24	94.51
14.0-15.0	41.70	340.76	2.44	19.94	61.0-62.0	3.83	1619.31	0.22	94.74
15.0-16.0	43.73	384.49	2.56	22.49	62.0-63.0	3.51	1622.81	0.21	94.94
16.0-17.0	45.54	430.03	2.66	25.16	63.0-64.0	3.20	1626.02	0.19	95.13
17.0-18.0	47.12	477.15	2.76	27.92	64.0-65.0	2.92	1628.94	0.17	95.30
18.0-19.0	48.45	525.60	2.83	30.75	65.0-66.0	2.68	1631.62	0.16	95.46
19.0-20.0	49.52	575.11	2.90	33.65	66.0-67.0	2.46	1634.08	0.14	95.60
20.0-21.0	50.29	625.41	2.94	36.59	67.0-68.0	2.24	1636.32	0.13	95.73
21.0-22.0	50.81	676.21	2.97	39.56	68.0-69.0	2.04	1638.36	0.12	95.85
22.0-23.0	51.03	727.24	2.99	42.55	69.0-70.0	1.88	1640.24	0.11	95.96
23.0-24.0	50.91	778.14	2.98	45.53	70.0-71.0	1.76	1642.00	0.10	96.07
24.0-25.0	50.47	828.62	2.95	48.48	71.0-72.0	1.66	1643.66	0.10	96.16
25.0-26.0	49.78	878.40	2.91	51.39	72.0-73.0	1.56	1645.22	0.09	96.25
26.0-27.0	48.85	927.25	2.86	54.25	73.0-74.0	1.47	1646.69	0.09	96.34
27.0-28.0	47.68	974.93	2.79	57.04	74.0-75.0	1.39	1648.08	0.08	96.42
28.0-29.0	46.28	1021.21	2.71	59.75	75.0-76.0	1.32	1649.40	0.08	96.50
29.0-30.0	44.67	1065.88	2.61	62.36	76.0-77.0	1.26	1650.66	0.07	96.57
30.0-31.0	42.87	1108.75	2.51	64.87	77.0-78.0	1.21	1651.87	0.07	96.64
31.0-32.0	40.88	1149.62	2.39	67.26	78.0-79.0	1.17	1653.04	0.07	96.71
32.0-33.0	38.72	1188.34	2.27	69.53	79.0-80.0	1.13	1654.17	0.07	96.78
33.0-34.0	36.46	1224.81	2.13	71.66	80.0-81.0	1.09	1655.26	0.06	96.84
34.0-35.0	34.13	1258.93	2.00	73.65	81.0-82.0	1.06	1656.32	0.06	96.90
35.0-36.0	31.74	1290.67	1.86	75.51	82.0-83.0	1.02	1657.34	0.06	96.96
36.0-37.0	29.36	1320.03	1.72	77.23	83.0-84.0	0.99	1658.32	0.06	97.02
37.0-38.0	27.01	1347.04	1.58	78.81	84.0-85.0	0.96	1659.28	0.06	97.08
38.0-39.0	24.76	1371.80	1.45	80.26	85.0-86.0	0.92	1660.20	0.05	97.13
39.0-40.0	22.70	1394.50	1.33	81.59	86.0-87.0	0.89	1661.09	0.05	97.18
40.0-41.0	20.85	1415.35	1.22	82.81	87.0-88.0	0.85	1661.94	0.05	97.23
41.0-42.0	19.18	1434.53	1.12	83.93	88.0-89.0	0.82	1662.75	0.05	97.28
42.0-43.0	17.68	1452.21	1.03	84.96	89.0-90.0	0.79	1663.54	0.05	97.33
43.0-44.0	16.34	1468.55	0.96	85.92	90.0-91.0	0.77	1664.31	0.05	97.37
44.0-45.0	15.11	1483.66	0.88	86.80	91.0-92.0	0.75	1665.07	0.04	97.42
45.0-46.0	13.98	1497.63	0.82	87.62	92.0-93.0	0.74	1665.80	0.04	97.46
46.0-47.0	12.92	1510.56	0.76	88.38	93.0-94.0	0.72	1666.52	0.04	97.50

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	0.70	1667.23	0.04	97.54	141.0-142.0	0.60	1694.67	0.04	99.15
95.0-96.0	0.69	1667.92	0.04	97.58	142.0-143.0	0.60	1695.27	0.04	99.18
96.0-97.0	0.68	1668.59	0.04	97.62	143.0-144.0	0.60	1695.87	0.04	99.22
97.0-98.0	0.66	1669.25	0.04	97.66	144.0-145.0	0.60	1696.46	0.03	99.25
98.0-99.0	0.65	1669.90	0.04	97.70	145.0-146.0	0.59	1697.06	0.03	99.29
99.0-100.0	0.64	1670.54	0.04	97.74	146.0-147.0	0.59	1697.64	0.03	99.32
100.0-101.0	0.63	1671.17	0.04	97.77	147.0-148.0	0.58	1698.23	0.03	99.36
101.0-102.0	0.62	1671.78	0.04	97.81	148.0-149.0	0.58	1698.80	0.03	99.39
102.0-103.0	0.61	1672.39	0.04	97.84	149.0-150.0	0.57	1699.37	0.03	99.42
103.0-104.0	0.60	1672.98	0.03	97.88	150.0-151.0	0.56	1699.93	0.03	99.46
104.0-105.0	0.59	1673.57	0.03	97.91	151.0-152.0	0.55	1700.48	0.03	99.49
105.0-106.0	0.58	1674.15	0.03	97.95	152.0-153.0	0.54	1701.03	0.03	99.52
106.0-107.0	0.57	1674.73	0.03	97.98	153.0-154.0	0.53	1701.56	0.03	99.55
107.0-108.0	0.57	1675.29	0.03	98.01	154.0-155.0	0.52	1702.08	0.03	99.58
108.0-109.0	0.56	1675.85	0.03	98.05	155.0-156.0	0.51	1702.58	0.03	99.61
109.0-110.0	0.56	1676.41	0.03	98.08	156.0-157.0	0.49	1703.08	0.03	99.64
110.0-111.0	0.55	1676.96	0.03	98.11	157.0-158.0	0.48	1703.56	0.03	99.67
111.0-112.0	0.55	1677.51	0.03	98.14	158.0-159.0	0.46	1704.02	0.03	99.70
112.0-113.0	0.55	1678.06	0.03	98.18	159.0-160.0	0.45	1704.47	0.03	99.72
113.0-114.0	0.54	1678.60	0.03	98.21	160.0-161.0	0.43	1704.90	0.03	99.75
114.0-115.0	0.54	1679.14	0.03	98.24	161.0-162.0	0.42	1705.32	0.02	99.77
115.0-116.0	0.54	1679.69	0.03	98.27	162.0-163.0	0.40	1705.72	0.02	99.79
116.0-117.0	0.54	1680.23	0.03	98.30	163.0-164.0	0.38	1706.10	0.02	99.82
117.0-118.0	0.54	1680.77	0.03	98.34	164.0-165.0	0.36	1706.46	0.02	99.84
118.0-119.0	0.54	1681.32	0.03	98.37	165.0-166.0	0.34	1706.80	0.02	99.86
119.0-120.0	0.55	1681.86	0.03	98.40	166.0-167.0	0.32	1707.13	0.02	99.88
120.0-121.0	0.55	1682.41	0.03	98.43	167.0-168.0	0.30	1707.43	0.02	99.89
121.0-122.0	0.55	1682.96	0.03	98.46	168.0-169.0	0.28	1707.71	0.02	99.91
122.0-123.0	0.55	1683.51	0.03	98.50	169.0-170.0	0.26	1707.97	0.02	99.93
123.0-124.0	0.56	1684.07	0.03	98.53	170.0-171.0	0.24	1708.20	0.01	99.94
124.0-125.0	0.56	1684.63	0.03	98.56	171.0-172.0	0.21	1708.41	0.01	99.95
125.0-126.0	0.56	1685.20	0.03	98.59	172.0-173.0	0.19	1708.60	0.01	99.96
126.0-127.0	0.57	1685.77	0.03	98.63	173.0-174.0	0.16	1708.77	0.01	99.97
127.0-128.0	0.57	1686.34	0.03	98.66	174.0-175.0	0.14	1708.91	0.01	99.98
128.0-129.0	0.58	1686.91	0.03	98.69	175.0-176.0	0.12	1709.02	0.01	99.99
129.0-130.0	0.58	1687.49	0.03	98.73	176.0-177.0	0.09	1709.11	0.01	99.99
130.0-131.0	0.58	1688.08	0.03	98.76	177.0-178.0	0.06	1709.18	0.00	100.00
131.0-132.0	0.59	1688.66	0.03	98.80	178.0-179.0	0.04	1709.22	0.00	100.00
132.0-133.0	0.59	1689.26	0.03	98.83	179.0-180.0	0.01	1709.23	0.00	100.00
133.0-134.0	0.59	1689.85	0.03	98.87					
134.0-135.0	0.60	1690.45	0.03	98.90					
135.0-136.0	0.60	1691.05	0.04	98.94					
136.0-137.0	0.60	1691.65	0.04	98.97					
137.0-138.0	0.60	1692.25	0.04	99.01					
138.0-139.0	0.60	1692.85	0.04	99.04					
139.0-140.0	0.60	1693.46	0.04	99.08					
140.0-141.0	0.60	1694.06	0.04	99.11					

Rectangle ISO Lighting Intensity Diagram

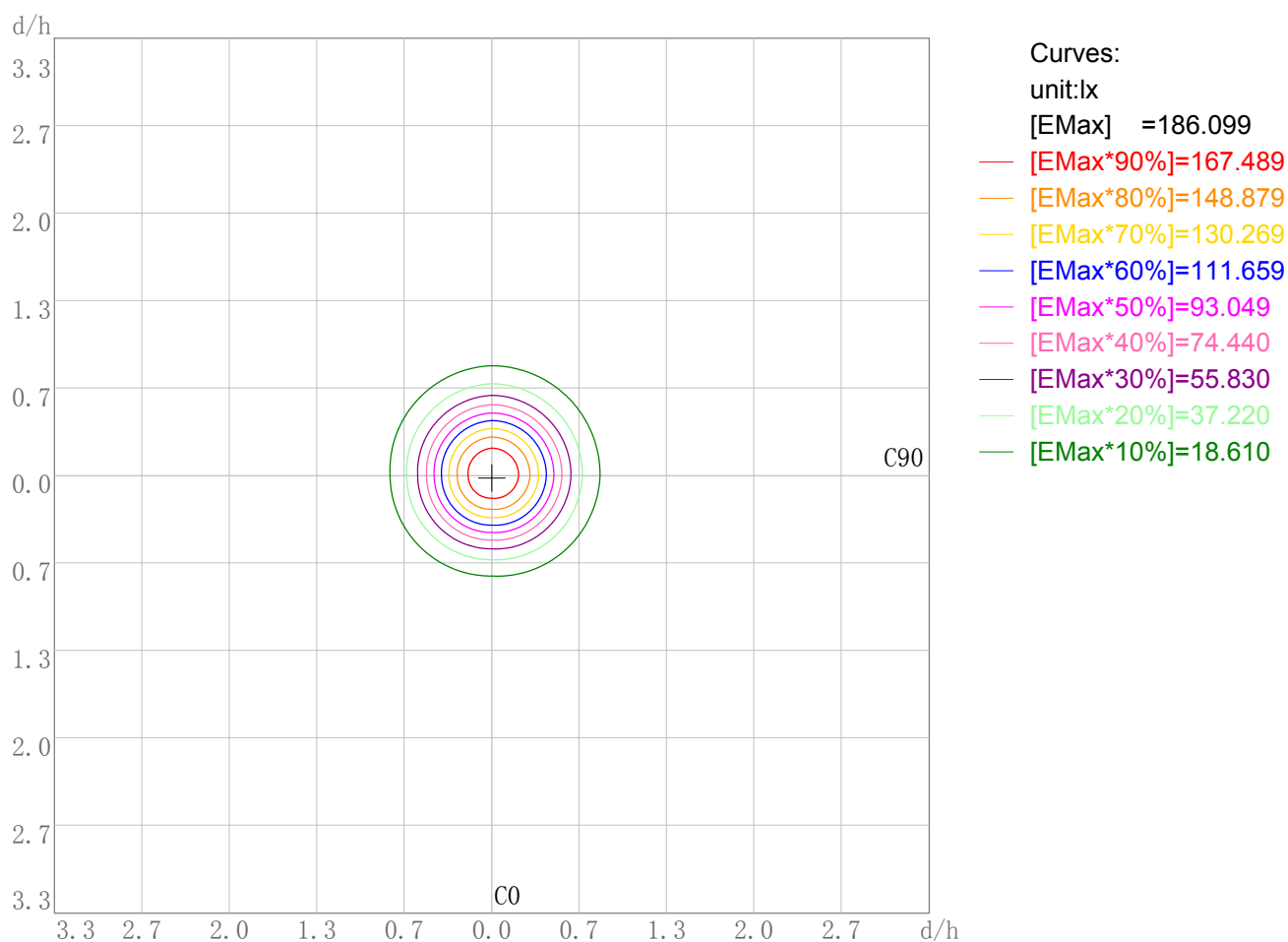
Lum. Name: MD10-18-XX-01 4000K RA90 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/27



## Plane ISO-Illuminance Diagram

Lum. Name: MD10-18-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: 2019/12/27

## Plane ISO-Illuminance Curve



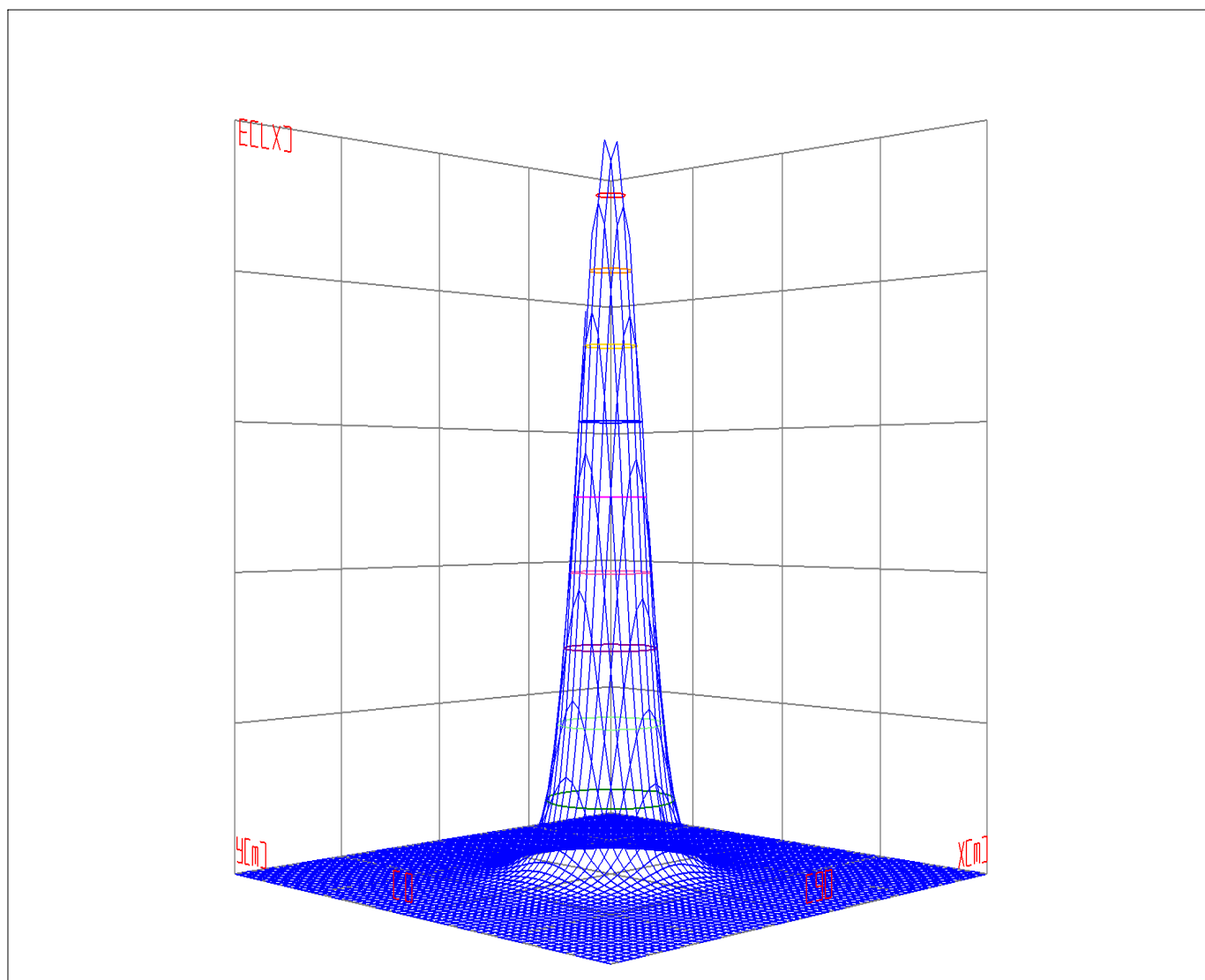
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-18-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: 2019/12/27

## 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



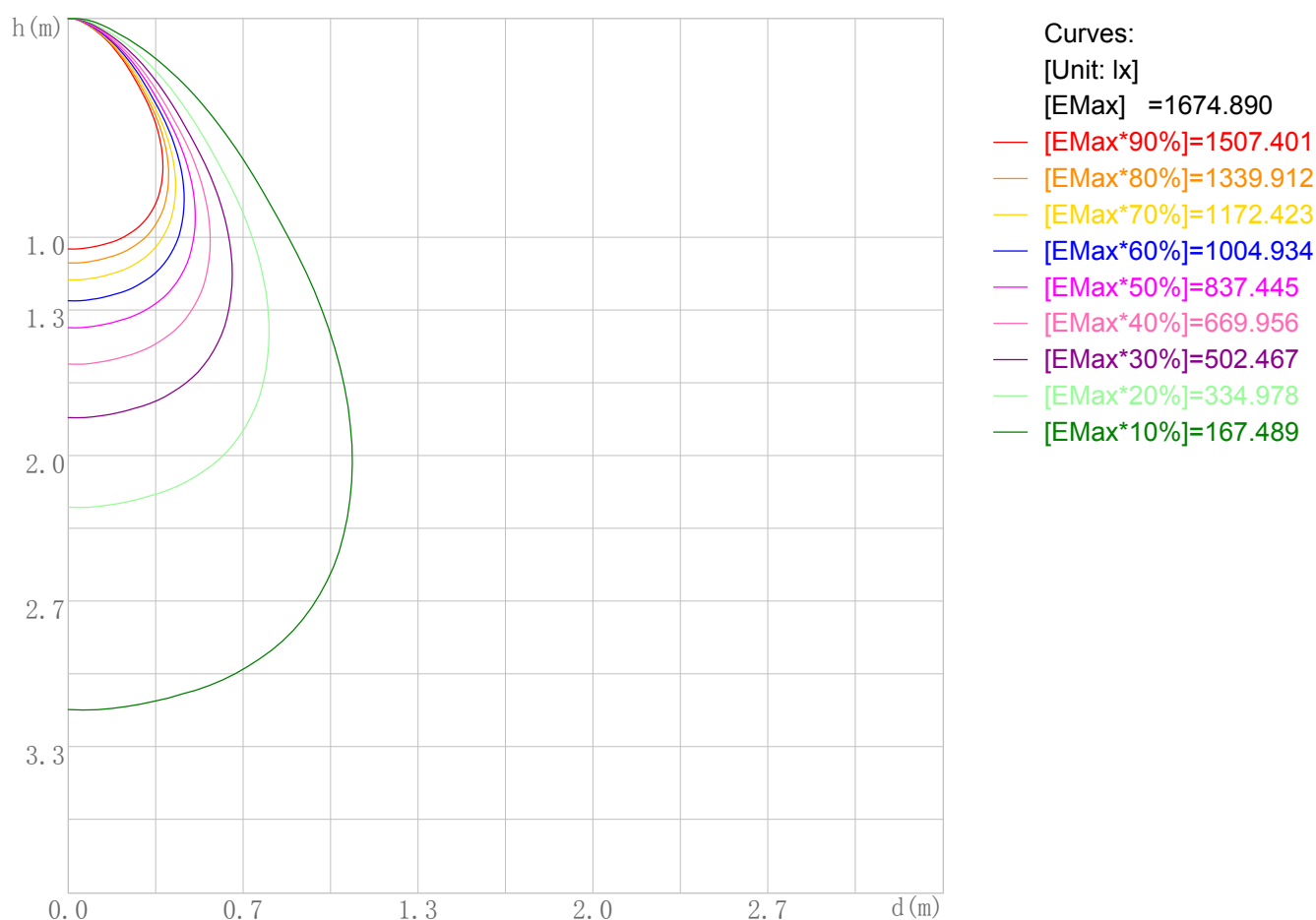
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-18-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: 2019/12/27

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1674.89lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1676.582cd,0deg

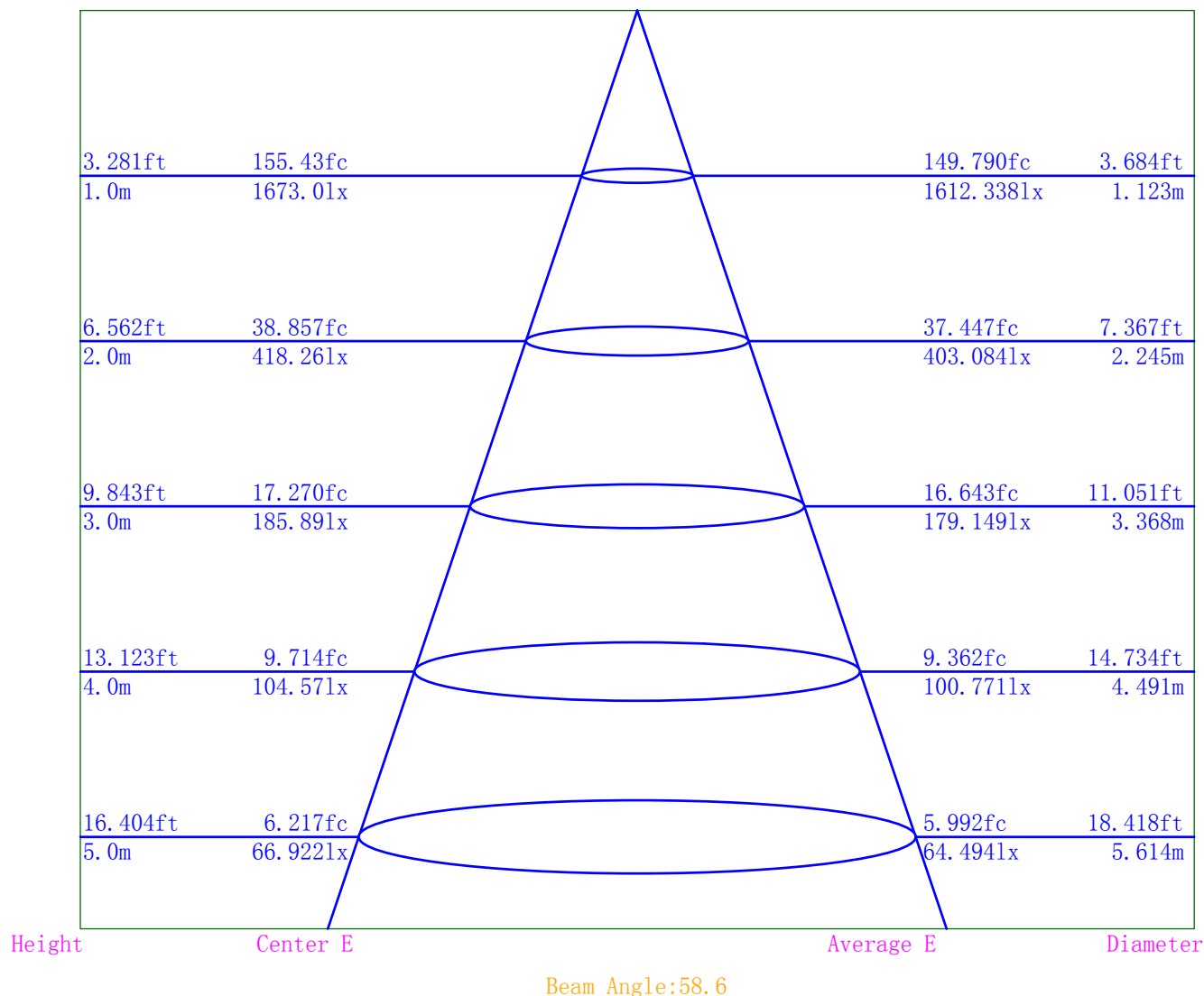
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-18-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: 2019/12/27

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID, Lamp Name, Lamp Catalog, Test Lab, Manufacture, Test Machine, Test Date.

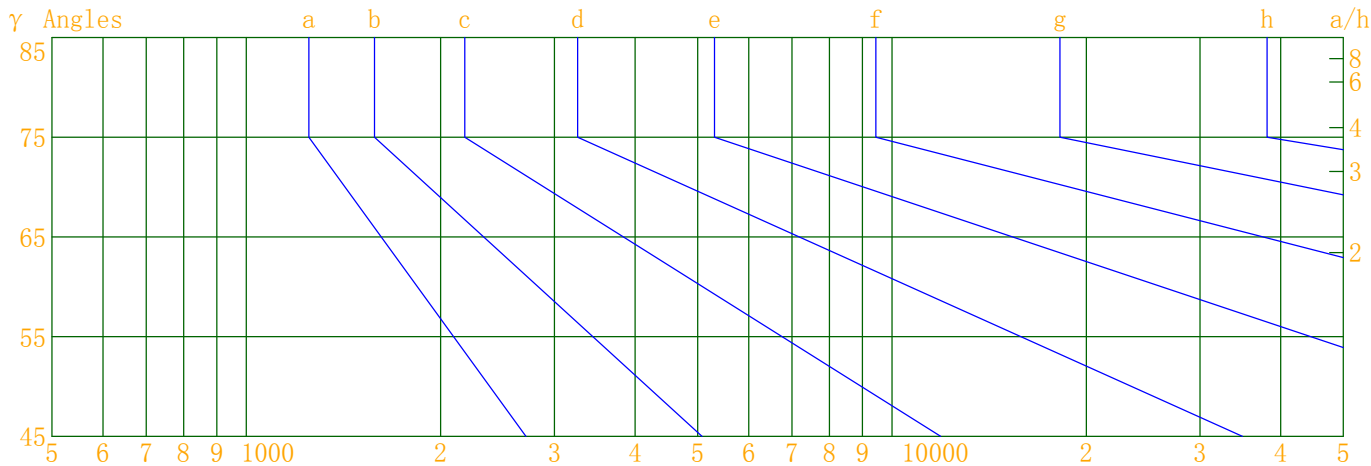
Glare Grade Table

Table with 10 columns: GI, Quality, and 8 columns for Using Illuminance (a-h).

Luminance Table

Table with 10 columns: Gama(deg), 45, 50, 55, 60, 65, 70, 75, 80, 85.

Luminance Limiting Curve



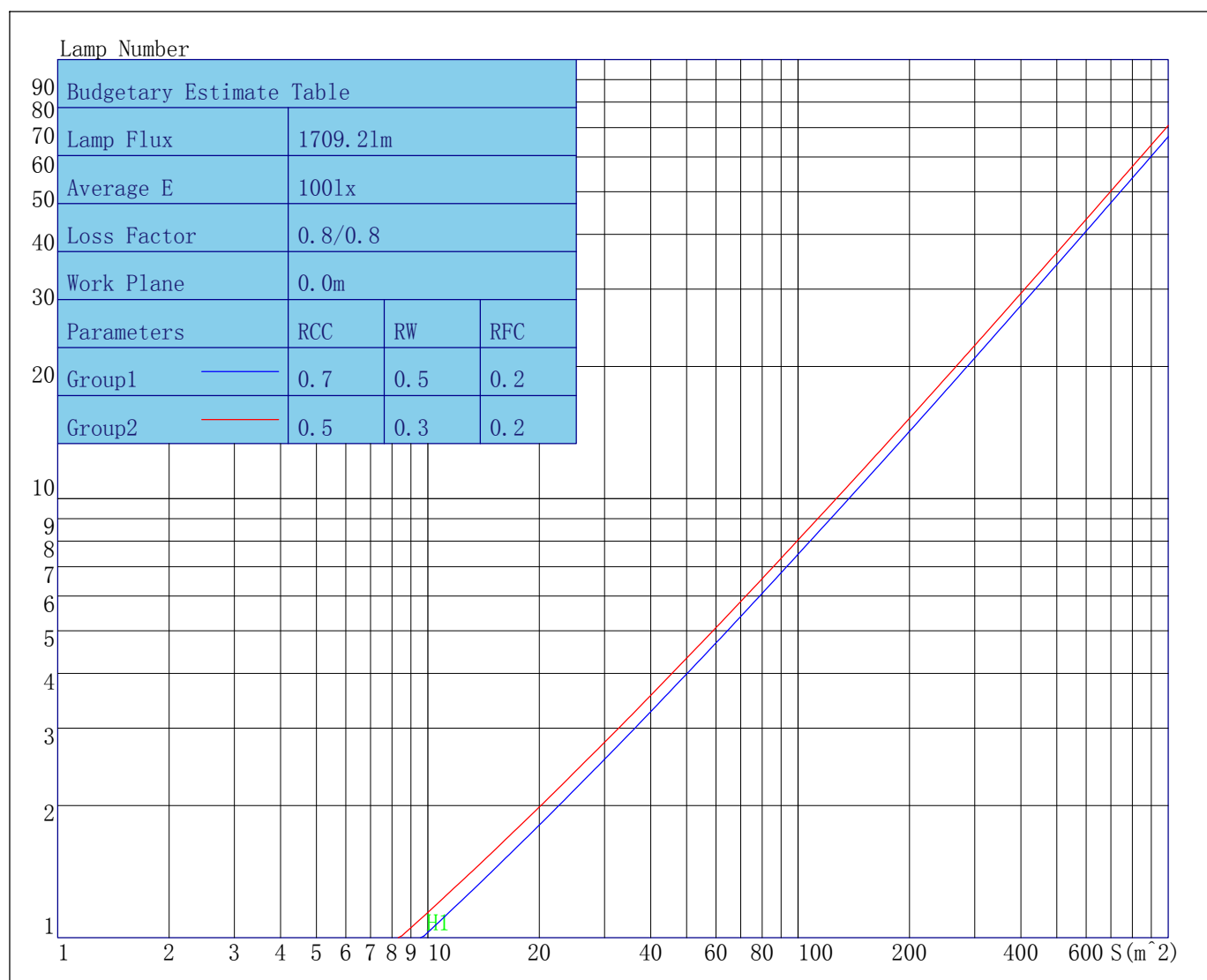
Luminous Size: Length(m)=0.550 Width(m)=0.550 Height(m)=0.850 Area(m^2)=0.770000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-18-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: 2019/12/27



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: MD10-18-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: 2019/12/27

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	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	73	69	87	79	73	68	77	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	54	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 surfaces (Ceiling, Wall, Floor) and room sizes (X, Y) at various heights (H), plus a section 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	1673.04	1673.04	1673.04	1673.04
γ 1.0	1675.66	1675.65	1669.17	1671.29
γ 2.0	1676.58	1675.89	1664.05	1666.38
γ 3.0	1674.35	1671.78	1655.73	1658.83
γ 4.0	1670.12	1669.65	1644.12	1650.72
γ 5.0	1665.95	1662.79	1632.35	1641.97
γ 6.0	1659.99	1657.01	1623.81	1633.31
γ 7.0	1654.07	1649.21	1611.36	1621.27
γ 8.0	1645.89	1642.63	1598.64	1614.29
γ 9.0	1640.14	1633.66	1585.70	1600.95
γ 10.0	1630.97	1622.62	1570.16	1586.90
γ 11.0	1620.33	1609.64	1553.76	1568.81
γ 12.0	1606.29	1597.07	1531.36	1551.55
γ 13.0	1589.34	1580.28	1510.13	1527.43
γ 14.0	1571.38	1565.38	1483.65	1504.18
γ 15.0	1551.44	1543.51	1454.45	1476.21
γ 16.0	1528.61	1519.74	1419.55	1444.83
γ 17.0	1501.58	1491.92	1383.61	1407.79
γ 18.0	1470.36	1462.74	1343.15	1369.35
γ 19.0	1436.67	1427.54	1302.37	1327.42
γ 20.0	1399.07	1388.47	1256.36	1283.41
γ 21.0	1359.60	1346.68	1209.16	1233.89
γ 22.0	1317.74	1303.07	1157.48	1185.29
γ 23.0	1272.07	1255.78	1104.53	1131.49
γ 24.0	1221.25	1203.98	1047.60	1076.52
γ 25.0	1169.86	1150.46	990.42	1018.80
γ 26.0	1116.39	1096.49	932.75	960.15
γ 27.0	1063.29	1040.44	875.44	902.10
γ 28.0	1007.51	982.75	817.86	844.24
γ 29.0	951.44	923.65	760.69	787.34
γ 30.0	893.03	865.24	705.03	731.39
γ 31.0	836.73	805.54	649.52	675.20
γ 32.0	778.35	747.63	593.72	620.56
γ 33.0	721.45	689.67	539.42	566.45
γ 34.0	665.59	634.19	487.24	515.56
γ 35.0	610.72	579.72	437.55	464.84
γ 36.0	558.22	527.93	391.46	416.97
γ 37.0	508.29	477.64	348.74	371.30
γ 38.0	459.17	429.90	310.78	330.38
γ 39.0	413.40	385.02	277.80	295.30
γ 40.0	370.95	344.79	249.86	266.40
γ 41.0	333.93	309.10	225.53	241.40
γ 42.0	301.47	278.35	203.59	218.66
γ 43.0	273.63	251.84	183.79	198.01
γ 44.0	248.80	229.04	166.58	179.58
γ 45.0	226.54	207.98	151.23	163.06
γ 46.0	206.41	189.03	137.16	148.06

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	188.14	171.89	124.43	134.70
γ 48.0	171.49	156.42	112.97	122.79
γ 49.0	156.70	141.95	102.38	111.73
γ 50.0	143.17	129.38	92.96	101.80
γ 51.0	130.71	117.73	84.44	92.75
γ 52.0	119.20	107.07	76.90	84.64
γ 53.0	109.08	97.31	70.02	77.24
γ 54.0	99.50	88.28	63.68	70.61
γ 55.0	90.78	79.91	57.96	64.43
γ 56.0	82.47	72.62	52.83	58.83
γ 57.0	74.92	65.89	48.19	53.72
γ 58.0	68.10	59.75	44.02	48.96
γ 59.0	61.93	54.13	40.21	44.72
γ 60.0	56.38	49.22	36.71	40.83
γ 61.0	51.45	44.67	33.38	37.22
γ 62.0	46.63	40.46	30.50	33.88
γ 63.0	42.26	36.51	27.67	30.74
γ 64.0	38.13	32.90	25.03	28.02
γ 65.0	34.46	29.69	22.72	25.35
γ 66.0	31.26	27.08	20.84	23.44
γ 67.0	28.37	24.63	18.85	21.28
γ 68.0	26.07	21.64	17.01	19.06
γ 69.0	22.81	19.35	15.96	17.82
γ 70.0	20.44	17.96	15.04	16.84
γ 71.0	19.02	16.80	14.15	15.88
γ 72.0	17.82	15.71	13.29	14.92
γ 73.0	16.70	14.64	12.44	14.02
γ 74.0	15.61	13.64	11.72	13.20
γ 75.0	14.57	12.72	11.15	12.56
γ 76.0	13.69	11.96	10.69	12.02
γ 77.0	12.97	11.39	10.30	11.54
γ 78.0	12.40	10.87	9.94	11.13
γ 79.0	11.87	10.45	9.60	10.74
γ 80.0	11.41	10.03	9.28	10.38
γ 81.0	10.98	9.66	8.96	10.04
γ 82.0	10.56	9.30	8.66	9.72
γ 83.0	10.17	8.95	8.38	9.39
γ 84.0	9.80	8.64	8.10	9.10
γ 85.0	9.46	8.32	7.82	8.80
γ 86.0	9.11	8.03	7.45	8.45
γ 87.0	8.78	7.71	7.12	8.06
γ 88.0	8.40	7.32	6.89	7.74
γ 89.0	7.99	6.99	6.74	7.54
γ 90.0	7.68	6.76	6.60	7.37
γ 91.0	7.48	6.59	6.46	7.21
γ 92.0	7.28	6.45	6.35	7.07
γ 93.0	7.12	6.30	6.24	6.91



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	6.94	6.18	6.12	6.78
γ 95.0	6.79	6.05	6.01	6.65
γ 96.0	6.64	5.93	5.93	6.53
γ 97.0	6.50	5.81	5.83	6.42
γ 98.0	6.37	5.70	5.75	6.33
γ 99.0	6.25	5.60	5.68	6.23
γ 100.0	6.15	5.51	5.61	6.15
γ 101.0	6.04	5.43	5.54	6.06
γ 102.0	5.94	5.34	5.50	6.00
γ 103.0	5.84	5.27	5.45	5.93
γ 104.0	5.76	5.20	5.41	5.87
γ 105.0	5.69	5.16	5.39	5.83
γ 106.0	5.62	5.12	5.36	5.79
γ 107.0	5.57	5.07	5.35	5.76
γ 108.0	5.51	5.04	5.34	5.73
γ 109.0	5.46	5.01	5.35	5.72
γ 110.0	5.43	5.00	5.36	5.71
γ 111.0	5.40	4.99	5.38	5.72
γ 112.0	5.39	4.99	5.41	5.73
γ 113.0	5.38	5.00	5.45	5.75
γ 114.0	5.38	5.03	5.50	5.79
γ 115.0	5.40	5.05	5.55	5.83
γ 116.0	5.42	5.08	5.63	5.86
γ 117.0	5.45	5.12	5.70	5.94
γ 118.0	5.49	5.19	5.78	6.00
γ 119.0	5.53	5.25	5.88	6.08
γ 120.0	5.59	5.31	5.97	6.15
γ 121.0	5.66	5.40	6.07	6.24
γ 122.0	5.74	5.49	6.19	6.35
γ 123.0	5.81	5.59	6.29	6.44
γ 124.0	5.91	5.69	6.42	6.56
γ 125.0	6.01	5.80	6.55	6.69
γ 126.0	6.11	5.93	6.70	6.82
γ 127.0	6.21	6.05	6.83	6.94
γ 128.0	6.33	6.18	7.00	7.08
γ 129.0	6.45	6.30	7.14	7.22
γ 130.0	6.59	6.44	7.29	7.37
γ 131.0	6.73	6.59	7.47	7.52
γ 132.0	6.87	6.74	7.63	7.68
γ 133.0	7.02	6.89	7.81	7.83
γ 134.0	7.17	7.05	7.98	8.00
γ 135.0	7.33	7.21	8.15	8.16
γ 136.0	7.49	7.38	8.32	8.32
γ 137.0	7.67	7.55	8.50	8.48
γ 138.0	7.83	7.72	8.68	8.66
γ 139.0	8.01	7.91	8.87	8.83
γ 140.0	8.17	8.07	9.05	9.00

# IES Indoor Report

Photometric Filename:MD10-18-XX-01 4000K RA90 60D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	8.35	8.25	9.22	9.17
γ 142.0	8.53	8.42	9.40	9.35
γ 143.0	8.71	8.60	9.59	9.51
γ 144.0	8.89	8.80	9.76	9.69
γ 145.0	9.07	8.97	9.93	9.85
γ 146.0	9.25	9.14	10.12	10.01
γ 147.0	9.41	9.33	10.28	10.18
γ 148.0	9.60	9.51	10.47	10.32
γ 149.0	9.79	9.68	10.61	10.49
γ 150.0	9.95	9.85	10.76	10.63
γ 151.0	10.12	10.04	10.90	10.79
γ 152.0	10.27	10.19	11.08	10.93
γ 153.0	10.47	10.35	11.22	11.06
γ 154.0	10.63	10.51	11.35	11.19
γ 155.0	10.79	10.68	11.50	11.34
γ 156.0	10.94	10.83	11.64	11.48
γ 157.0	11.09	10.98	11.76	11.60
γ 158.0	11.24	11.13	11.90	11.72
γ 159.0	11.39	11.27	12.02	11.85
γ 160.0	11.55	11.43	12.14	11.98
γ 161.0	11.69	11.56	12.27	12.11
γ 162.0	11.82	11.72	12.37	12.21
γ 163.0	11.96	11.86	12.50	12.33
γ 164.0	12.10	11.99	12.62	12.44
γ 165.0	12.22	12.12	12.72	12.56
γ 166.0	12.34	12.24	12.83	12.66
γ 167.0	12.48	12.36	12.93	12.78
γ 168.0	12.59	12.48	13.03	12.87
γ 169.0	12.73	12.59	13.11	12.97
γ 170.0	12.86	12.71	13.19	13.05
γ 171.0	12.96	12.80	13.27	13.13
γ 172.0	13.08	12.92	13.35	13.21
γ 173.0	13.18	13.02	13.41	13.28
γ 174.0	13.28	13.11	13.48	13.35
γ 175.0	13.35	13.19	13.52	13.39
γ 176.0	13.44	13.27	13.57	13.45
γ 177.0	13.49	13.34	13.60	13.49
γ 178.0	13.59	13.41	13.63	13.53
γ 179.0	13.62	13.46	13.65	13.53
γ 180.0	13.60	13.60	13.60	13.60