

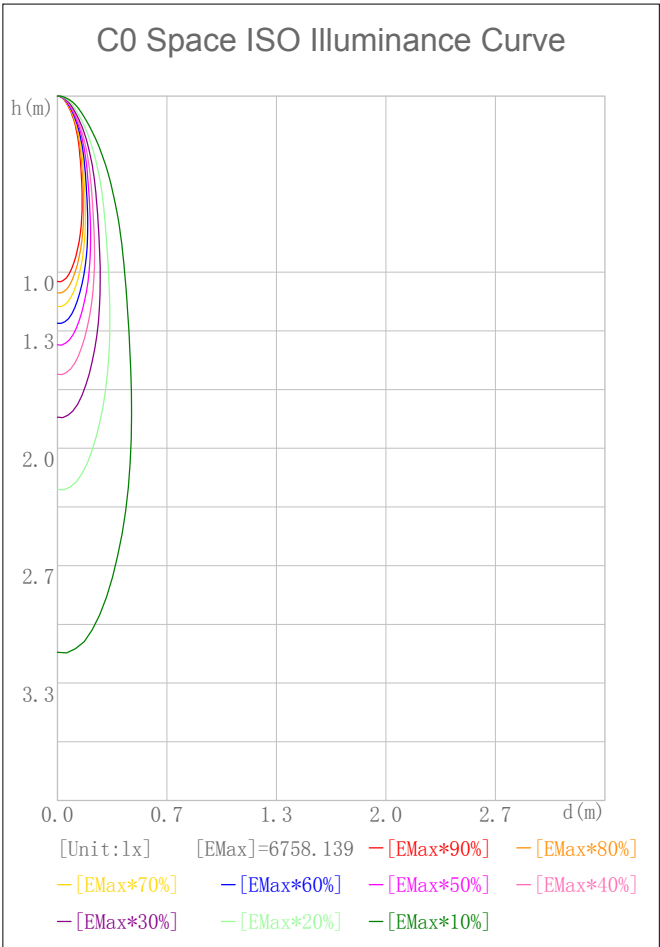
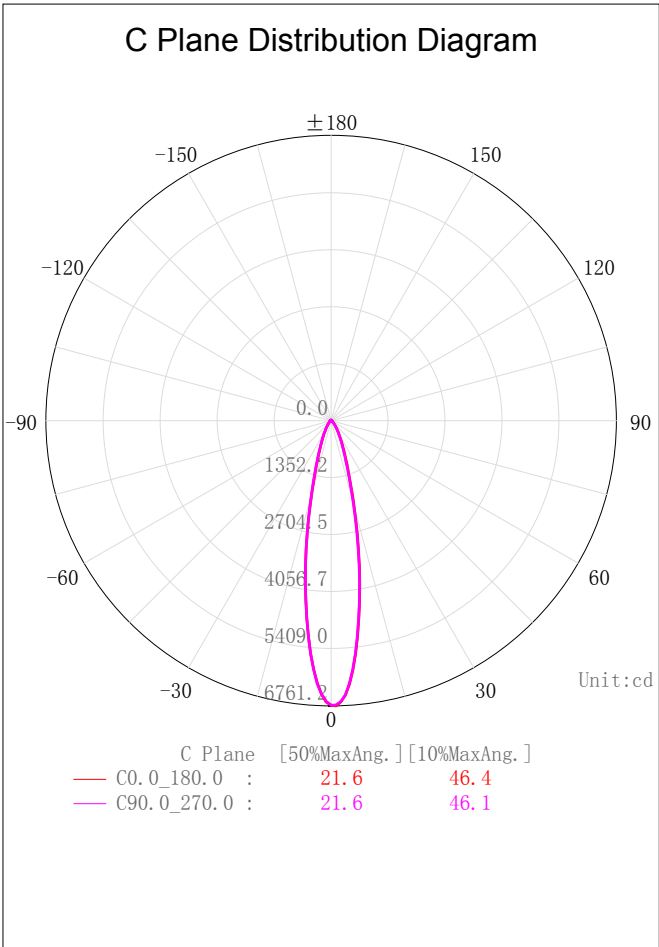
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-18-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/19
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*0.840m	Lum. Area (m2): 0.765	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): 1597.130	Luminary Flux(lm): 1597.127	Field Angle(10%Imax): 46.4(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1557.165lm 97.50%
Rated Voltage(V):	Luminary EER(lm/W): 96.097	Up Lumens&Percent: 39.962lm 2.50%
Tested Power(W): 16.620	Max. Candela(cd): 6761.228	S/MH: C0_a180=0.367 C90_270=0.365
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.2, 0.071, 0.967	Beam Angle(50%Imax): 21.6(°)	ErP Φ use(90°): 1446.291lm
Lamp Size (W*L*H): 0.550m*0.550m*0.840m	Left=-10.3°, Right=11.4°	IRF(%): 898.950



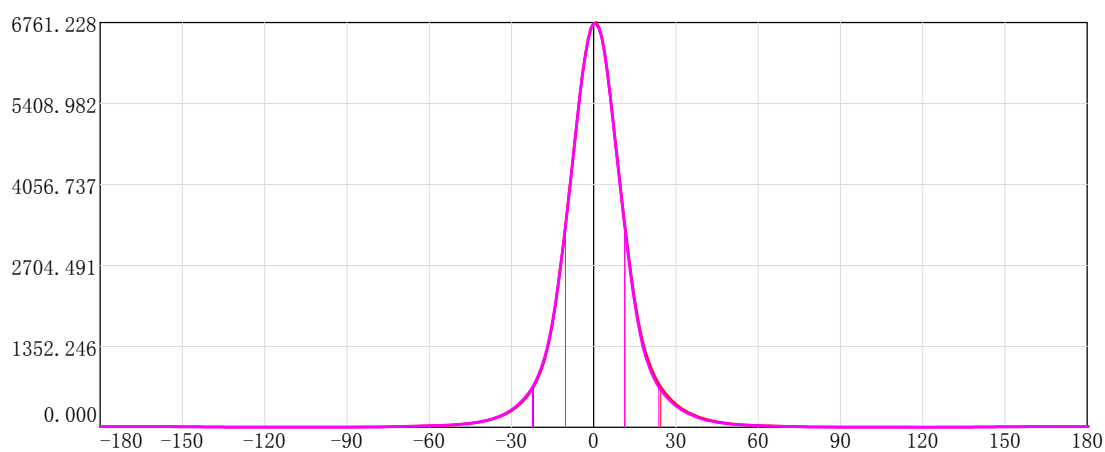
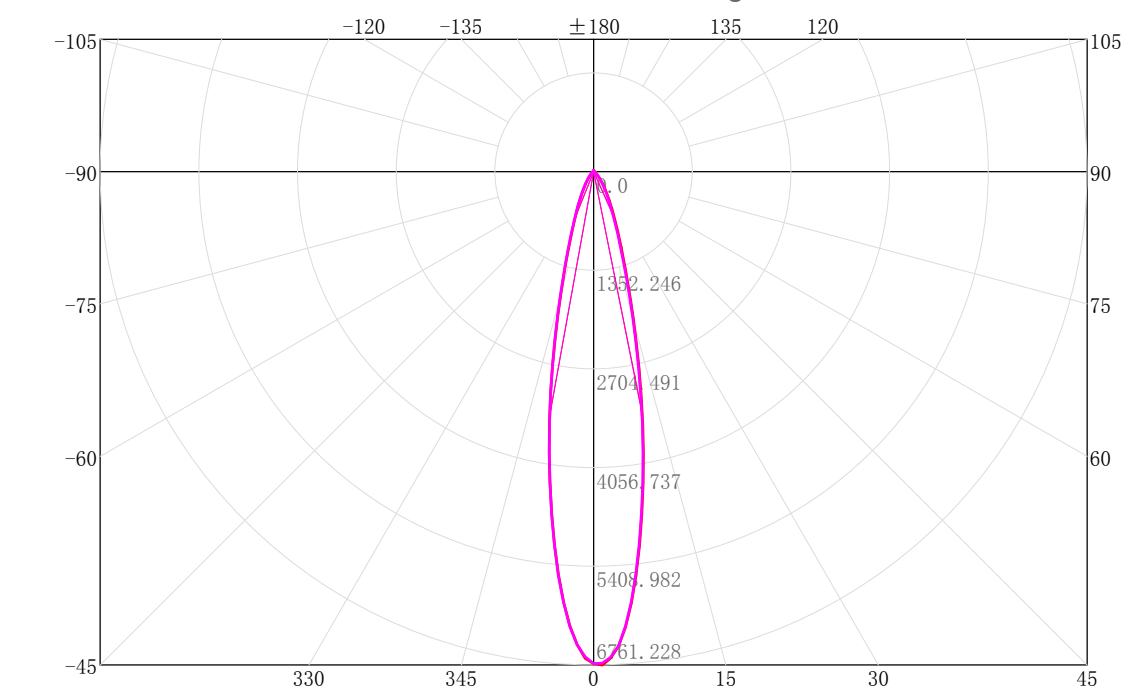
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]
C0.0_180.0 :	21.6	46.4
C90.0_270.0 :	21.6	46.1

Unit:cd

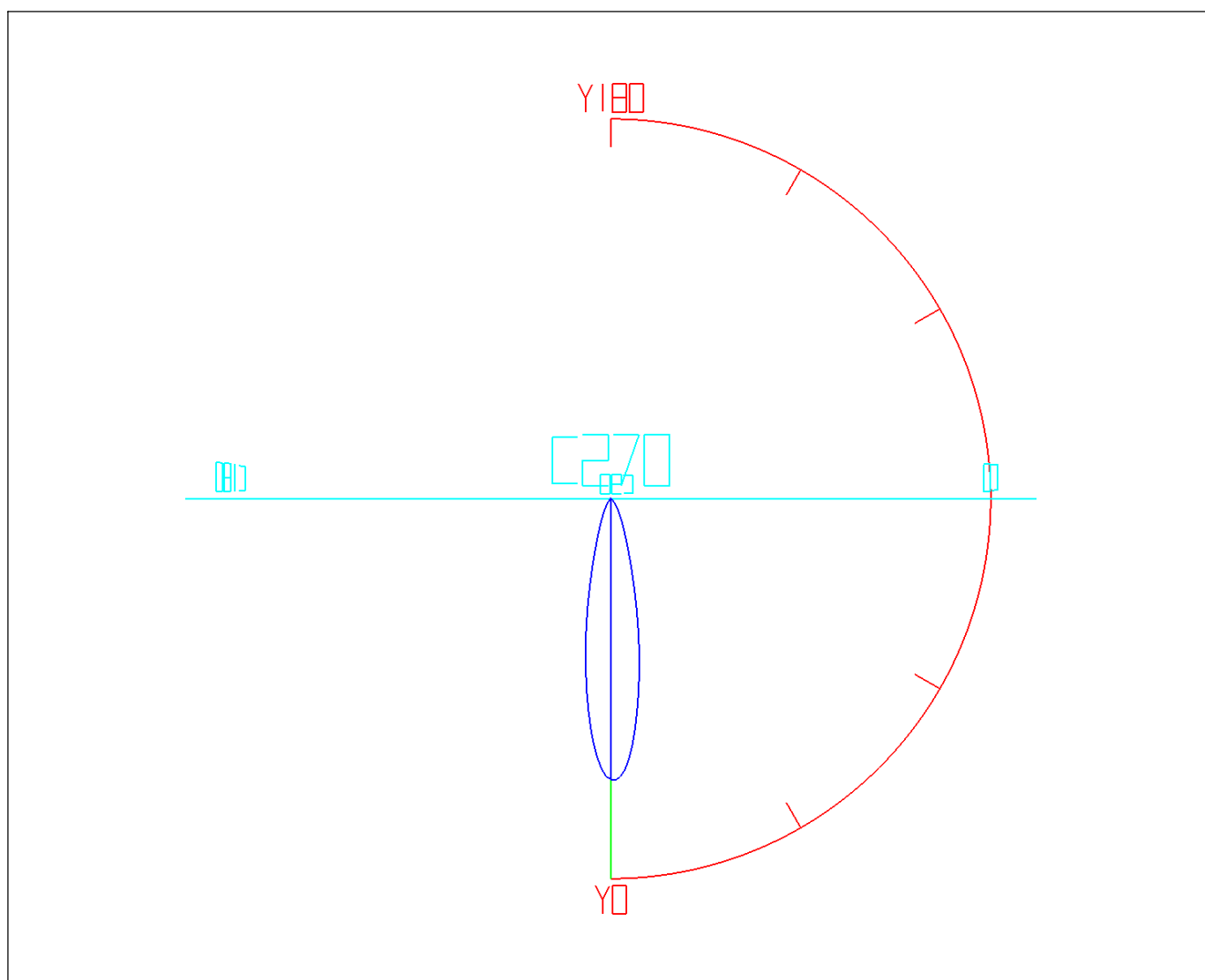
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

## 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	6.43	6.43	0.40	0.40	47.0-48.0	5.25	1469.58	0.33	92.01
1.0-2.0	19.06	25.49	1.19	1.60	48.0-49.0	4.92	1474.50	0.31	92.32
2.0-3.0	30.97	56.46	1.94	3.54	49.0-50.0	4.62	1479.12	0.29	92.61
3.0-4.0	41.69	98.15	2.61	6.15	50.0-51.0	4.36	1483.48	0.27	92.88
4.0-5.0	50.83	148.98	3.18	9.33	51.0-52.0	4.11	1487.59	0.26	93.14
5.0-6.0	58.22	207.20	3.65	12.97	52.0-53.0	3.90	1491.49	0.24	93.39
6.0-7.0	63.77	270.98	3.99	16.97	53.0-54.0	3.70	1495.19	0.23	93.62
7.0-8.0	67.58	338.55	4.23	21.20	54.0-55.0	3.53	1498.72	0.22	93.84
8.0-9.0	69.82	408.38	4.37	25.57	55.0-56.0	3.38	1502.10	0.21	94.05
9.0-10.0	70.58	478.96	4.42	29.99	56.0-57.0	3.23	1505.33	0.20	94.25
10.0-11.0	69.87	548.83	4.37	34.36	57.0-58.0	3.10	1508.42	0.19	94.45
11.0-12.0	67.87	616.70	4.25	38.61	58.0-59.0	2.97	1511.39	0.19	94.63
12.0-13.0	64.82	681.52	4.06	42.67	59.0-60.0	2.85	1514.24	0.18	94.81
13.0-14.0	61.03	742.55	3.82	46.49	60.0-61.0	2.73	1516.97	0.17	94.98
14.0-15.0	56.83	799.38	3.56	50.05	61.0-62.0	2.62	1519.59	0.16	95.15
15.0-16.0	52.57	851.95	3.29	53.34	62.0-63.0	2.52	1522.11	0.16	95.30
16.0-17.0	48.44	900.39	3.03	56.38	63.0-64.0	2.41	1524.52	0.15	95.45
17.0-18.0	44.58	944.97	2.79	59.17	64.0-65.0	2.31	1526.84	0.14	95.60
18.0-19.0	41.09	986.06	2.57	61.74	65.0-66.0	2.21	1529.05	0.14	95.74
19.0-20.0	37.98	1024.04	2.38	64.12	66.0-67.0	2.11	1531.16	0.13	95.87
20.0-21.0	35.21	1059.25	2.20	66.32	67.0-68.0	2.00	1533.15	0.13	95.99
21.0-22.0	32.72	1091.97	2.05	68.37	68.0-69.0	1.88	1535.03	0.12	96.11
22.0-23.0	30.47	1122.44	1.91	70.28	69.0-70.0	1.77	1536.81	0.11	96.22
23.0-24.0	28.45	1150.89	1.78	72.06	70.0-71.0	1.68	1538.49	0.11	96.33
24.0-25.0	26.60	1177.49	1.67	73.73	71.0-72.0	1.59	1540.09	0.10	96.43
25.0-26.0	24.87	1202.36	1.56	75.28	72.0-73.0	1.50	1541.59	0.09	96.52
26.0-27.0	23.25	1225.61	1.46	76.74	73.0-74.0	1.41	1543.01	0.09	96.61
27.0-28.0	21.70	1247.31	1.36	78.10	74.0-75.0	1.32	1544.33	0.08	96.69
28.0-29.0	20.22	1267.52	1.27	79.36	75.0-76.0	1.23	1545.56	0.08	96.77
29.0-30.0	18.81	1286.33	1.18	80.54	76.0-77.0	1.12	1546.68	0.07	96.84
30.0-31.0	17.50	1303.83	1.10	81.64	77.0-78.0	1.02	1547.70	0.06	96.91
31.0-32.0	16.28	1320.11	1.02	82.66	78.0-79.0	0.95	1548.65	0.06	96.96
32.0-33.0	15.15	1335.26	0.95	83.60	79.0-80.0	0.91	1549.56	0.06	97.02
33.0-34.0	14.10	1349.37	0.88	84.49	80.0-81.0	0.88	1550.44	0.05	97.08
34.0-35.0	13.13	1362.49	0.82	85.31	81.0-82.0	0.85	1551.28	0.05	97.13
35.0-36.0	12.21	1374.70	0.76	86.07	82.0-83.0	0.82	1552.11	0.05	97.18
36.0-37.0	11.36	1386.06	0.71	86.78	83.0-84.0	0.79	1552.90	0.05	97.23
37.0-38.0	10.56	1396.62	0.66	87.45	84.0-85.0	0.77	1553.67	0.05	97.28
38.0-39.0	9.82	1406.45	0.62	88.06	85.0-86.0	0.75	1554.42	0.05	97.33
39.0-40.0	9.15	1415.59	0.57	88.63	86.0-87.0	0.72	1555.14	0.05	97.37
40.0-41.0	8.52	1424.11	0.53	89.17	87.0-88.0	0.70	1555.84	0.04	97.41
41.0-42.0	7.93	1432.04	0.50	89.66	88.0-89.0	0.67	1556.51	0.04	97.46
42.0-43.0	7.38	1439.42	0.46	90.13	89.0-90.0	0.65	1557.16	0.04	97.50
43.0-44.0	6.88	1446.31	0.43	90.56	90.0-91.0	0.64	1557.80	0.04	97.54
44.0-45.0	6.42	1452.73	0.40	90.96	91.0-92.0	0.62	1558.42	0.04	97.58
45.0-46.0	6.00	1458.72	0.38	91.33	92.0-93.0	0.61	1559.03	0.04	97.61
46.0-47.0	5.60	1464.33	0.35	91.69	93.0-94.0	0.59	1559.62	0.04	97.65

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	0.58	1560.20	0.04	97.69	141.0-142.0	0.56	1581.98	0.04	99.05
95.0-96.0	0.57	1560.77	0.04	97.72	142.0-143.0	0.57	1582.56	0.04	99.09
96.0-97.0	0.55	1561.32	0.03	97.76	143.0-144.0	0.58	1583.14	0.04	99.12
97.0-98.0	0.54	1561.86	0.03	97.79	144.0-145.0	0.59	1583.73	0.04	99.16
98.0-99.0	0.53	1562.39	0.03	97.82	145.0-146.0	0.60	1584.33	0.04	99.20
99.0-100.0	0.52	1562.91	0.03	97.86	146.0-147.0	0.60	1584.93	0.04	99.24
100.0-101.0	0.51	1563.42	0.03	97.89	147.0-148.0	0.60	1585.53	0.04	99.27
101.0-102.0	0.50	1563.92	0.03	97.92	148.0-149.0	0.61	1586.14	0.04	99.31
102.0-103.0	0.49	1564.42	0.03	97.95	149.0-150.0	0.60	1586.74	0.04	99.35
103.0-104.0	0.49	1564.90	0.03	97.98	150.0-151.0	0.60	1587.34	0.04	99.39
104.0-105.0	0.48	1565.38	0.03	98.01	151.0-152.0	0.59	1587.93	0.04	99.42
105.0-106.0	0.47	1565.85	0.03	98.04	152.0-153.0	0.59	1588.52	0.04	99.46
106.0-107.0	0.47	1566.32	0.03	98.07	153.0-154.0	0.58	1589.10	0.04	99.50
107.0-108.0	0.46	1566.78	0.03	98.10	154.0-155.0	0.56	1589.66	0.04	99.53
108.0-109.0	0.46	1567.24	0.03	98.13	155.0-156.0	0.55	1590.21	0.03	99.57
109.0-110.0	0.45	1567.69	0.03	98.16	156.0-157.0	0.54	1590.75	0.03	99.60
110.0-111.0	0.45	1568.13	0.03	98.18	157.0-158.0	0.52	1591.27	0.03	99.63
111.0-112.0	0.44	1568.57	0.03	98.21	158.0-159.0	0.50	1591.77	0.03	99.66
112.0-113.0	0.43	1569.00	0.03	98.24	159.0-160.0	0.48	1592.25	0.03	99.69
113.0-114.0	0.43	1569.43	0.03	98.27	160.0-161.0	0.46	1592.72	0.03	99.72
114.0-115.0	0.43	1569.86	0.03	98.29	161.0-162.0	0.44	1593.16	0.03	99.75
115.0-116.0	0.42	1570.28	0.03	98.32	162.0-163.0	0.42	1593.58	0.03	99.78
116.0-117.0	0.41	1570.69	0.03	98.34	163.0-164.0	0.40	1593.99	0.03	99.80
117.0-118.0	0.41	1571.10	0.03	98.37	164.0-165.0	0.38	1594.36	0.02	99.83
118.0-119.0	0.41	1571.52	0.03	98.40	165.0-166.0	0.36	1594.72	0.02	99.85
119.0-120.0	0.41	1571.92	0.03	98.42	166.0-167.0	0.33	1595.05	0.02	99.87
120.0-121.0	0.41	1572.33	0.03	98.45	167.0-168.0	0.31	1595.36	0.02	99.89
121.0-122.0	0.40	1572.73	0.03	98.47	168.0-169.0	0.28	1595.64	0.02	99.91
122.0-123.0	0.40	1573.14	0.03	98.50	169.0-170.0	0.26	1595.90	0.02	99.92
123.0-124.0	0.40	1573.54	0.03	98.52	170.0-171.0	0.23	1596.14	0.01	99.94
124.0-125.0	0.41	1573.94	0.03	98.55	171.0-172.0	0.21	1596.34	0.01	99.95
125.0-126.0	0.41	1574.35	0.03	98.57	172.0-173.0	0.18	1596.53	0.01	99.96
126.0-127.0	0.41	1574.77	0.03	98.60	173.0-174.0	0.16	1596.69	0.01	99.97
127.0-128.0	0.42	1575.18	0.03	98.63	174.0-175.0	0.13	1596.82	0.01	99.98
128.0-129.0	0.42	1575.60	0.03	98.65	175.0-176.0	0.11	1596.93	0.01	99.99
129.0-130.0	0.43	1576.03	0.03	98.68	176.0-177.0	0.09	1597.02	0.01	99.99
130.0-131.0	0.44	1576.47	0.03	98.71	177.0-178.0	0.06	1597.08	0.00	100.00
131.0-132.0	0.45	1576.91	0.03	98.73	178.0-179.0	0.04	1597.11	0.00	100.00
132.0-133.0	0.45	1577.37	0.03	98.76	179.0-180.0	0.01	1597.13	0.00	100.00
133.0-134.0	0.46	1577.83	0.03	98.79					
134.0-135.0	0.48	1578.31	0.03	98.82					
135.0-136.0	0.49	1578.79	0.03	98.85					
136.0-137.0	0.50	1579.29	0.03	98.88					
137.0-138.0	0.51	1579.80	0.03	98.92					
138.0-139.0	0.52	1580.33	0.03	98.95					
139.0-140.0	0.54	1580.87	0.03	98.98					
140.0-141.0	0.55	1581.42	0.03	99.02					

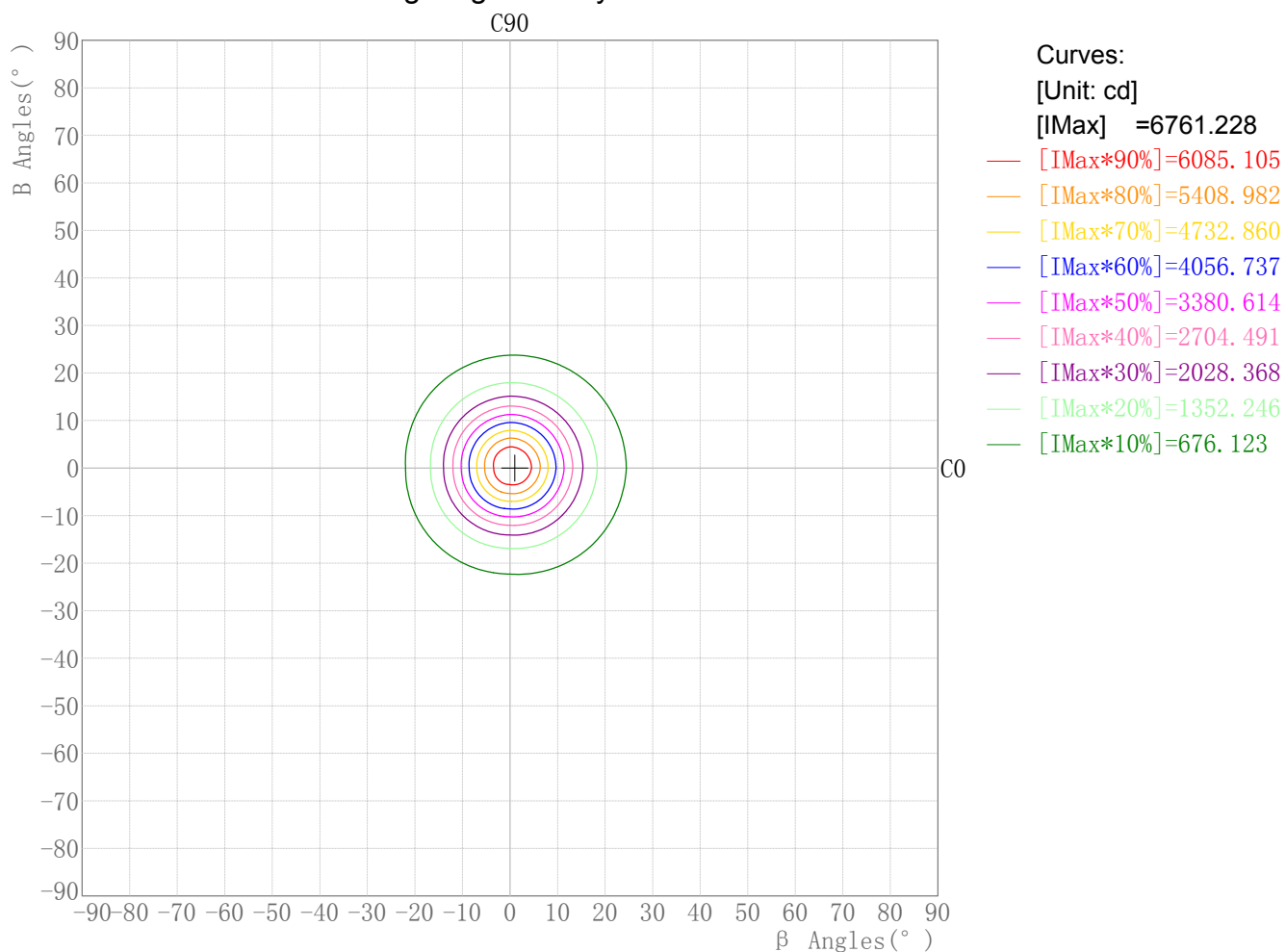
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

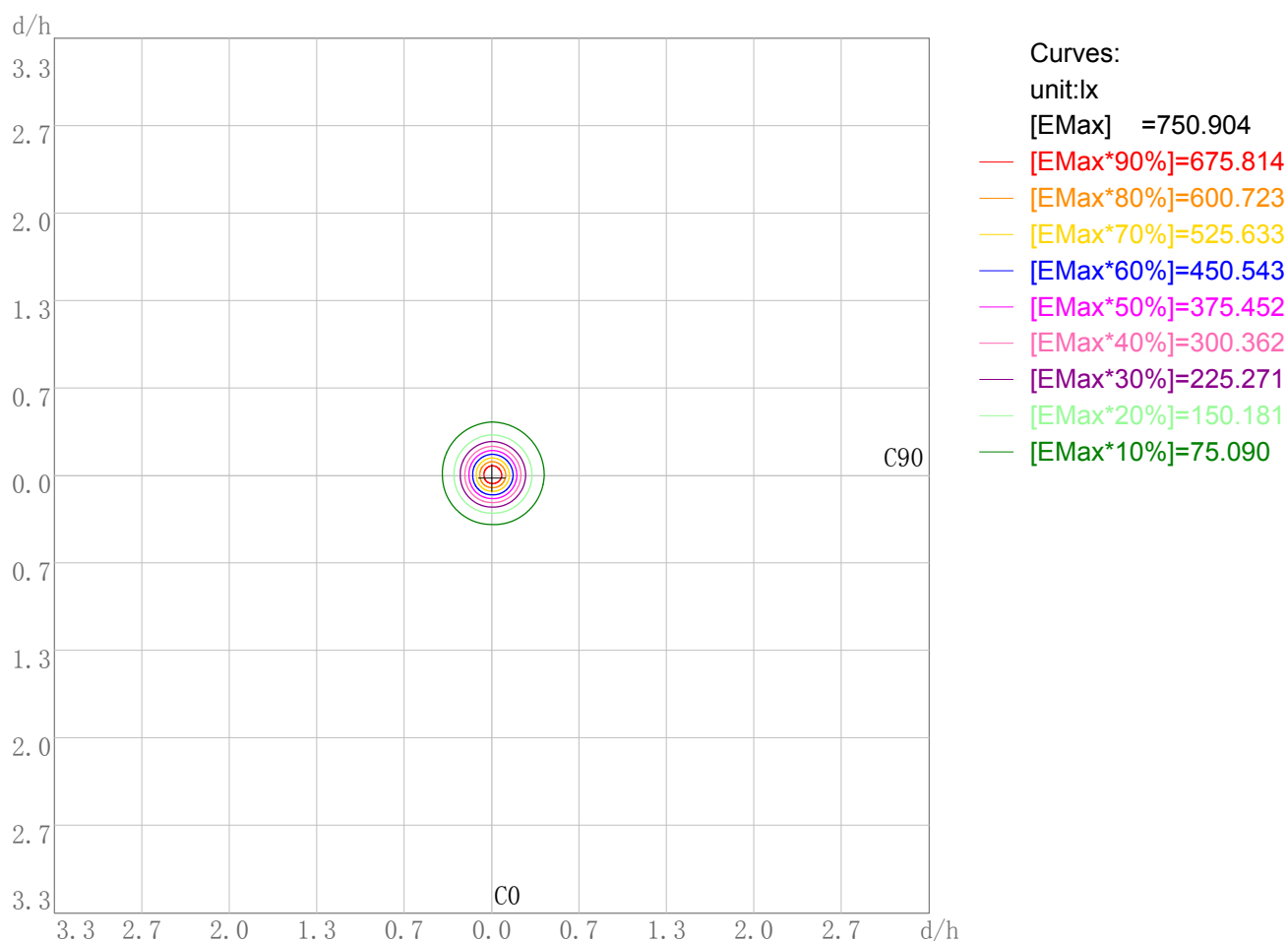
### ISO Lighting Intensity Curve



## Plane ISO-Illuminance Diagram

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 750.90

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

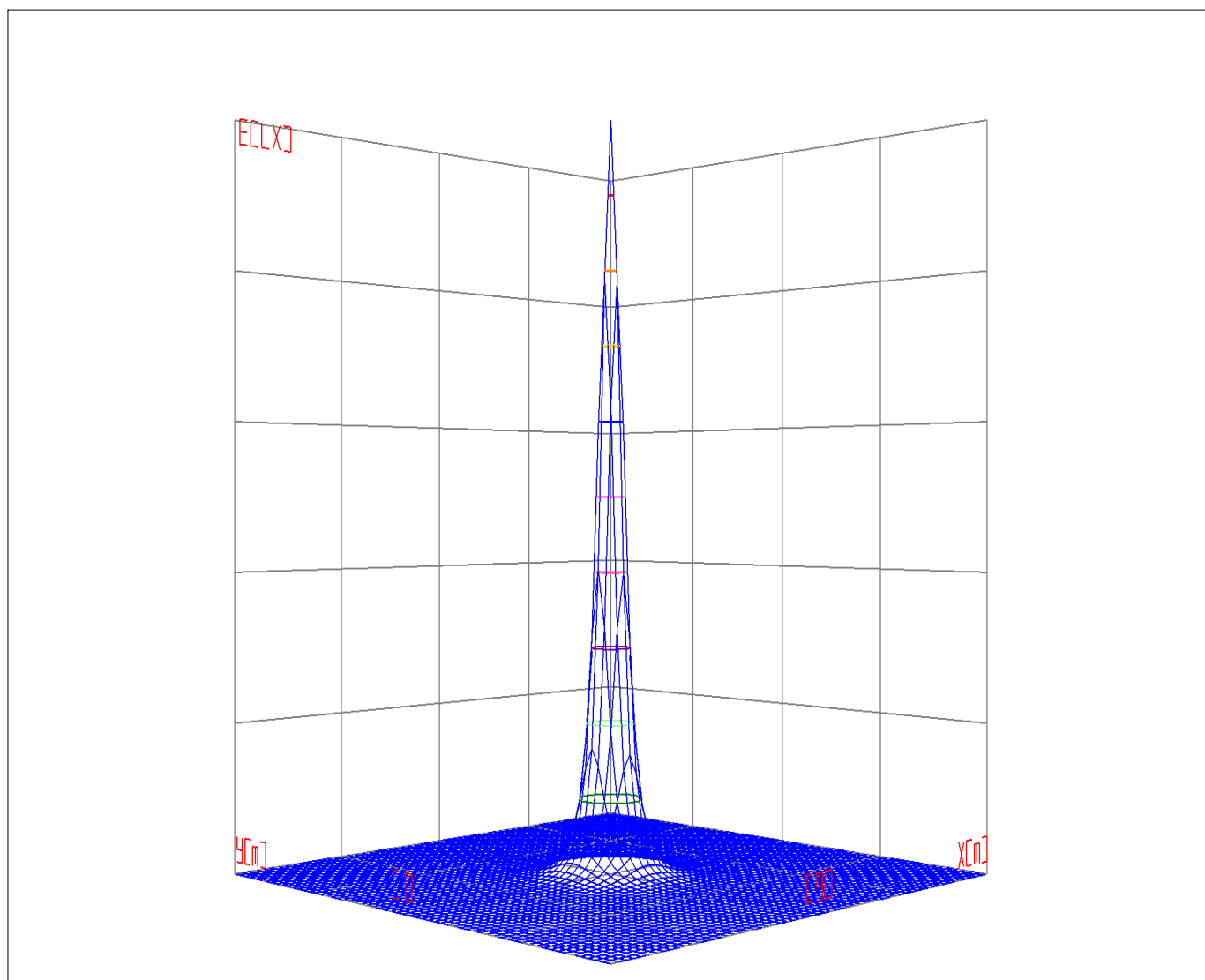
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

## 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



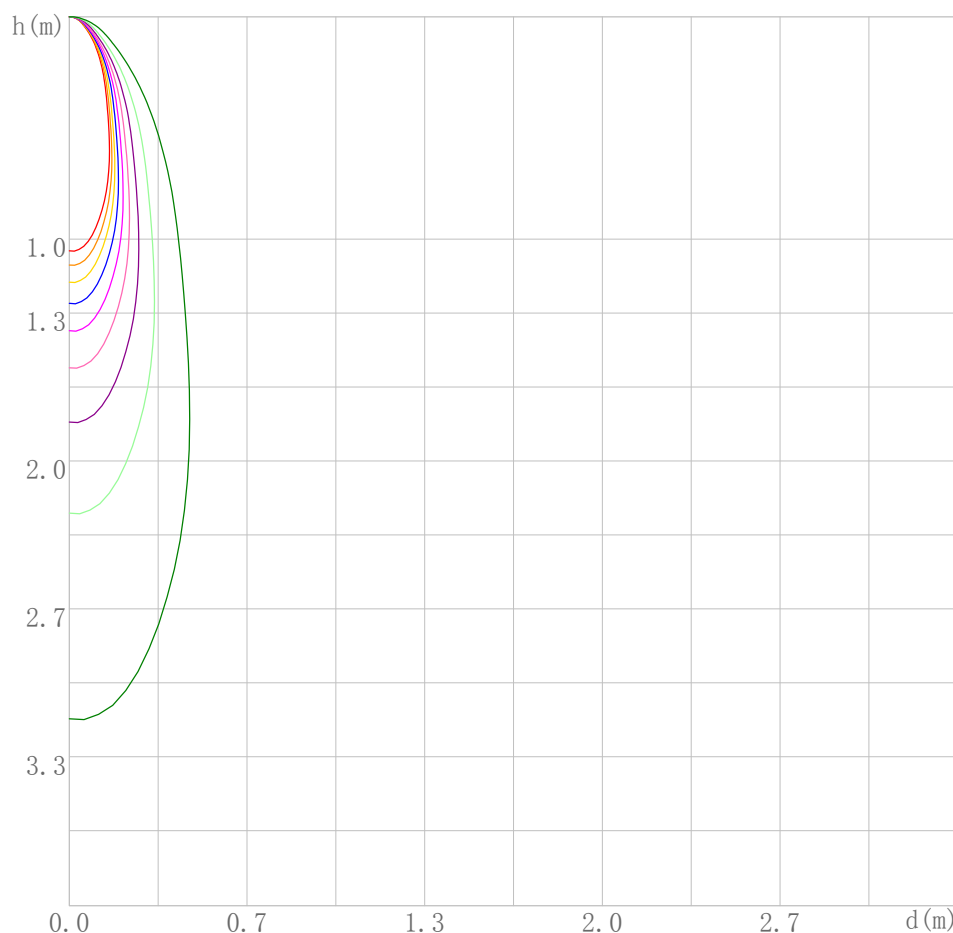
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## Space ISO Illuminance Diagram

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

## Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =6758.139

— [EMax\*90%]=6082.325

— [EMax\*80%]=5406.511

— [EMax\*70%]=4730.697

— [EMax\*60%]=4054.884

— [EMax\*50%]=3379.070

— [EMax\*40%]=2703.256

— [EMax\*30%]=2027.442

— [EMax\*20%]=1351.628

— [EMax\*10%]=675.814

Space Plane Maximum Illuminance and @Angle:6758.14lx,1.0deg

Plane Maximum Lighting Intensity and @Angle:6761.228cd,0deg

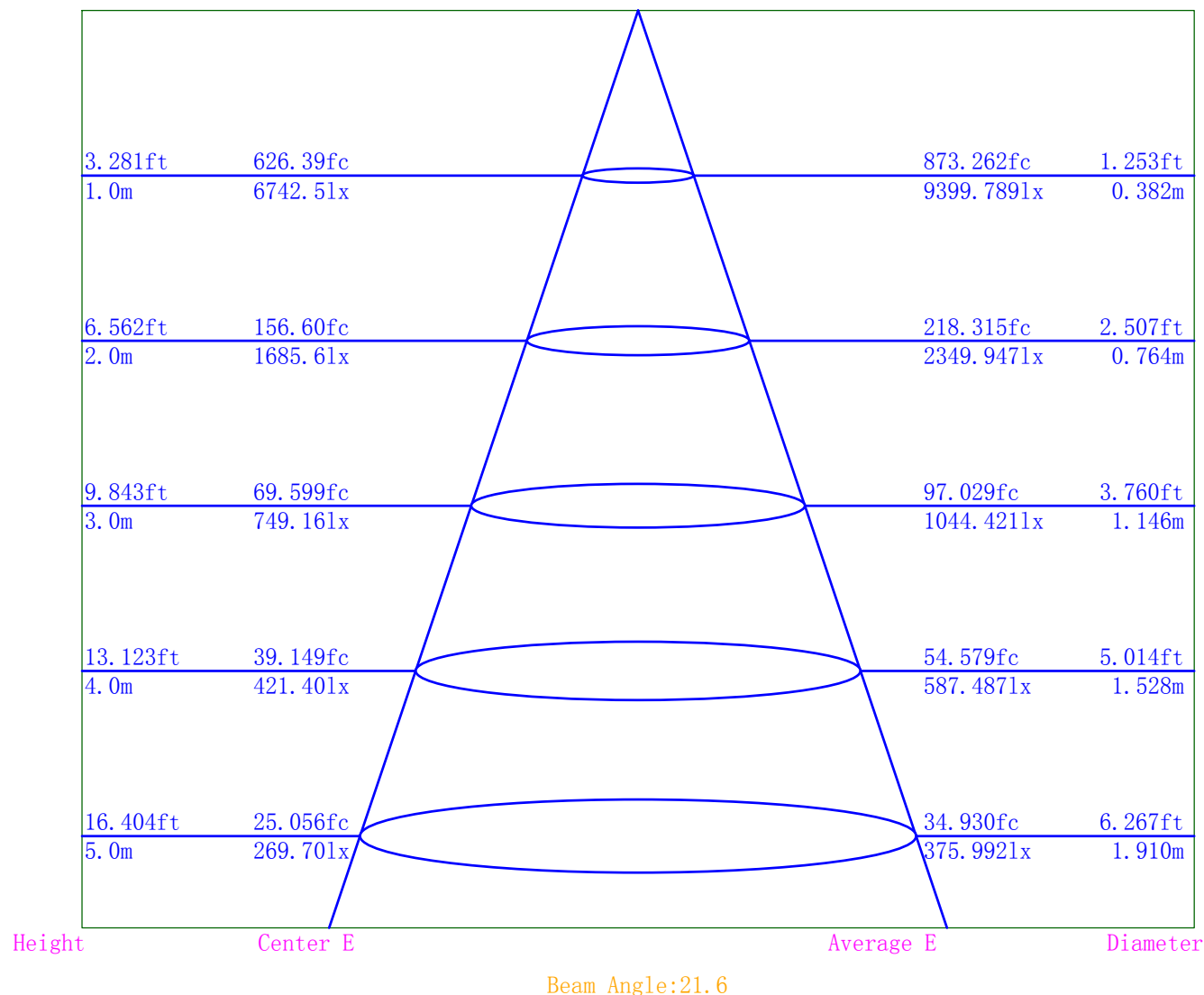
# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19

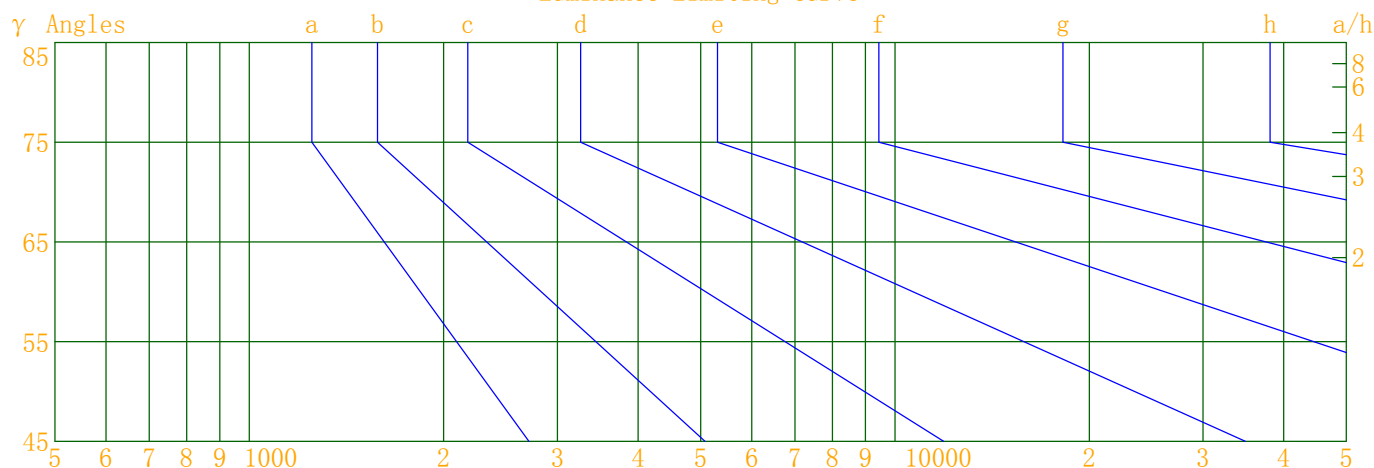
Glare Grade Table

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	175	126	98	84	76	70	67	67	112
C90	159	114	90	78	70	64	60	59	100

Luminance Limiting Curve



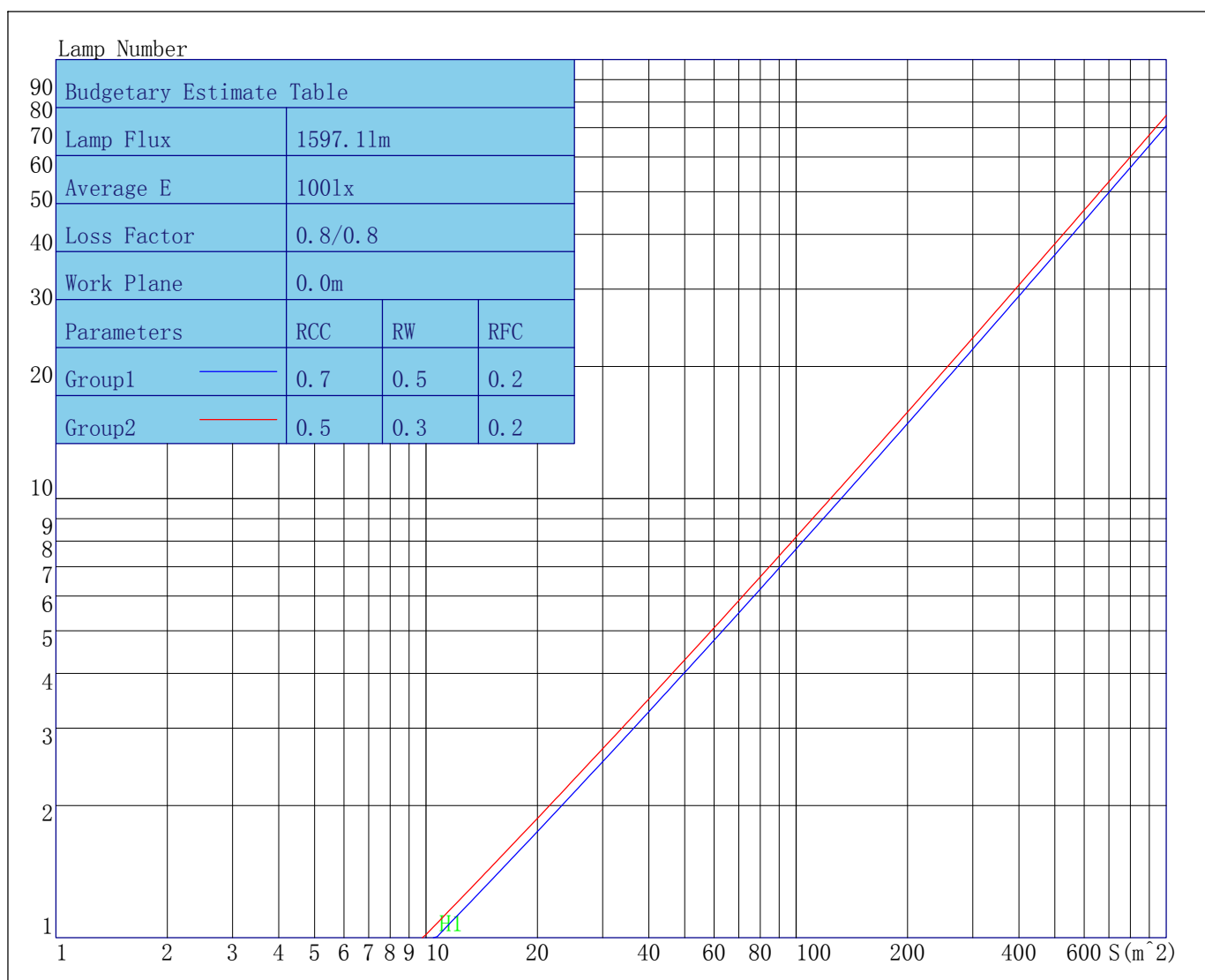
Luminous Size: Length(m)=0.550 Width(m)=0.550 Height(m)=0.840 Area(m^2)=0.764500  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-18-XX-01 3000K RA90 15D	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: 2019/12/19



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 3000K RA90 15D	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: 2019/12/19

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	105	105	105	100	100	100	97
1	113	111	108	106	111	108	106	104	104	102	101	100	98	97	96	95	94	92
2	109	104	100	97	106	102	99	96	99	96	94	95	93	91	92	91	89	87
3	104	98	94	91	102	97	93	90	94	91	88	91	89	86	89	87	85	83
4	100	93	89	85	98	92	88	84	90	86	83	88	84	82	86	83	81	79
5	96	89	84	80	95	88	83	80	86	82	79	84	81	78	83	80	77	76
6	93	85	80	77	91	84	80	76	83	79	76	81	78	75	80	77	74	73
7	89	82	77	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	71	69	68
9	84	76	71	68	83	75	71	68	74	70	67	73	70	67	72	69	67	65
10	81	73	69	65	80	73	68	65	72	68	65	71	67	65	70	67	64	63

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) with Y values, and 5 columns for Vewed crosswise and Vewed endwise glare ratings. 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	6742.47	6742.47	6742.47	6742.47
γ 1.0	6761.23	6736.25	6669.04	6649.17
γ 2.0	6670.10	6656.90	6486.39	6483.87
γ 3.0	6513.27	6510.51	6228.78	6242.70
γ 4.0	6255.98	6242.37	5909.31	5915.58
γ 5.0	5932.77	5917.02	5543.95	5549.71
γ 6.0	5555.44	5538.37	5133.88	5140.33
γ 7.0	5157.74	5127.37	4720.52	4724.65
γ 8.0	4740.28	4710.42	4294.33	4295.33
γ 9.0	4334.60	4303.98	3896.07	3886.24
γ 10.0	3928.95	3892.59	3482.37	3474.12
γ 11.0	3525.60	3489.56	3087.21	3088.34
γ 12.0	3135.61	3095.21	2701.13	2712.42
γ 13.0	2769.00	2721.60	2344.08	2369.50
γ 14.0	2424.89	2374.68	2019.56	2048.72
γ 15.0	2117.12	2064.06	1737.14	1771.86
γ 16.0	1844.91	1787.43	1497.02	1531.50
γ 17.0	1607.71	1550.42	1294.60	1328.32
γ 18.0	1409.36	1346.24	1122.75	1155.89
γ 19.0	1241.95	1180.30	978.82	1011.81
γ 20.0	1100.10	1039.31	859.52	888.75
γ 21.0	979.59	921.48	759.45	786.35
γ 22.0	875.45	818.41	673.26	698.41
γ 23.0	786.67	732.42	600.33	623.96
γ 24.0	707.82	658.51	537.21	558.73
γ 25.0	639.50	593.35	481.94	501.96
γ 26.0	578.33	536.36	432.36	450.88
γ 27.0	523.53	485.90	388.11	405.59
γ 28.0	472.87	439.75	348.20	364.05
γ 29.0	427.97	398.27	312.63	327.19
γ 30.0	386.44	359.79	280.56	293.96
γ 31.0	350.68	325.92	252.53	264.85
γ 32.0	317.71	295.18	227.79	238.67
γ 33.0	288.76	267.71	205.88	215.51
γ 34.0	262.60	242.73	186.34	194.46
γ 35.0	238.73	220.70	168.72	176.24
γ 36.0	217.29	199.61	152.92	159.88
γ 37.0	197.94	181.27	138.59	145.37
γ 38.0	180.07	164.33	125.88	132.21
γ 39.0	163.93	149.60	114.69	120.68
γ 40.0	149.28	135.90	104.88	110.03
γ 41.0	136.19	123.87	95.74	100.77
γ 42.0	124.14	112.70	87.61	92.07
γ 43.0	113.28	102.95	79.99	84.49
γ 44.0	103.63	94.03	73.45	77.62
γ 45.0	94.75	85.96	67.58	71.54
γ 46.0	86.69	78.50	62.22	66.07

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	79.45	72.03	57.61	61.08
γ 48.0	72.98	66.09	53.52	56.54
γ 49.0	67.09	60.78	49.72	52.53
γ 50.0	61.85	56.06	46.54	48.85
γ 51.0	57.07	51.96	43.60	45.86
γ 52.0	53.01	48.03	40.97	43.07
γ 53.0	49.30	44.74	38.55	40.61
γ 54.0	45.89	41.84	36.53	38.48
γ 55.0	43.03	39.47	34.57	36.63
γ 56.0	40.43	37.08	32.88	34.73
γ 57.0	38.05	35.10	31.35	33.06
γ 58.0	35.83	33.11	29.79	31.51
γ 59.0	33.93	31.33	28.33	30.11
γ 60.0	32.08	29.67	27.00	28.69
γ 61.0	30.39	28.15	25.73	27.23
γ 62.0	28.75	26.67	24.55	26.11
γ 63.0	27.35	25.38	23.32	24.84
γ 64.0	25.94	23.93	22.24	23.80
γ 65.0	24.67	22.75	21.04	22.68
γ 66.0	23.38	21.62	19.94	21.33
γ 67.0	22.02	20.40	18.83	20.19
γ 68.0	20.80	19.17	17.58	18.69
γ 69.0	19.25	18.01	16.33	17.65
γ 70.0	18.24	16.61	15.44	16.70
γ 71.0	17.18	15.61	14.54	15.88
γ 72.0	16.24	14.66	13.61	14.93
γ 73.0	15.22	13.74	12.71	14.02
γ 74.0	14.23	12.87	11.79	13.05
γ 75.0	13.28	11.96	10.92	12.18
γ 76.0	12.28	11.03	9.90	11.09
γ 77.0	11.15	9.94	8.89	9.98
γ 78.0	9.98	8.94	8.21	9.17
γ 79.0	9.35	8.17	7.98	8.90
γ 80.0	8.93	7.85	7.63	8.56
γ 81.0	8.59	7.59	7.38	8.27
γ 82.0	8.37	7.26	7.18	7.97
γ 83.0	8.00	7.11	6.91	7.64
γ 84.0	7.73	6.86	6.71	7.38
γ 85.0	7.48	6.65	6.50	7.22
γ 86.0	7.26	6.45	6.16	6.92
γ 87.0	7.03	6.19	6.02	6.71
γ 88.0	6.75	5.95	5.77	6.45
γ 89.0	6.53	5.84	5.63	6.24
γ 90.0	6.32	5.62	5.50	6.05
γ 91.0	6.19	5.49	5.35	5.88
γ 92.0	6.05	5.41	5.24	5.75
γ 93.0	5.99	5.28	5.04	5.55



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.86	5.15	4.91	5.38
γ 95.0	5.74	5.17	4.81	5.28
γ 96.0	5.65	4.96	4.75	5.21
γ 97.0	5.47	4.96	4.61	5.05
γ 98.0	5.38	4.80	4.50	4.97
γ 99.0	5.31	4.80	4.46	4.89
γ 100.0	5.23	4.72	4.34	4.81
γ 101.0	5.09	4.61	4.31	4.72
γ 102.0	5.13	4.54	4.25	4.66
γ 103.0	5.07	4.49	4.23	4.60
γ 104.0	4.96	4.47	4.14	4.54
γ 105.0	4.86	4.42	4.15	4.50
γ 106.0	4.82	4.37	4.12	4.44
γ 107.0	4.80	4.34	4.14	4.39
γ 108.0	4.79	4.31	4.14	4.45
γ 109.0	4.68	4.26	4.07	4.34
γ 110.0	4.60	4.29	4.13	4.40
γ 111.0	4.55	4.20	4.20	4.34
γ 112.0	4.50	4.12	4.19	4.34
γ 113.0	4.42	4.13	4.15	4.37
γ 114.0	4.37	4.10	4.22	4.36
γ 115.0	4.40	4.09	4.20	4.38
γ 116.0	4.30	3.97	4.21	4.39
γ 117.0	4.25	4.02	4.32	4.36
γ 118.0	4.28	3.98	4.29	4.45
γ 119.0	4.27	4.01	4.34	4.47
γ 120.0	4.24	3.97	4.41	4.51
γ 121.0	4.19	3.93	4.53	4.54
γ 122.0	4.17	4.00	4.55	4.59
γ 123.0	4.20	3.97	4.70	4.66
γ 124.0	4.27	3.98	4.77	4.75
γ 125.0	4.23	4.12	4.87	4.87
γ 126.0	4.38	4.20	5.00	4.93
γ 127.0	4.43	4.31	5.13	5.11
γ 128.0	4.53	4.42	5.21	5.20
γ 129.0	4.59	4.52	5.43	5.36
γ 130.0	4.74	4.70	5.58	5.53
γ 131.0	4.91	4.86	5.83	5.76
γ 132.0	5.03	5.01	6.05	5.90
γ 133.0	5.24	5.24	6.28	6.13
γ 134.0	5.45	5.44	6.51	6.34
γ 135.0	5.77	5.65	6.79	6.66
γ 136.0	5.89	5.93	7.10	6.89
γ 137.0	6.22	6.19	7.37	7.27
γ 138.0	6.45	6.46	7.68	7.56
γ 139.0	6.78	6.80	8.06	7.91
γ 140.0	7.13	7.16	8.48	8.21

# IES Indoor Report

Photometric Filename:MD10-18-XX-01 3000K RA90 15D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	7.47	7.50	8.83	8.60
γ 142.0	7.79	7.83	9.16	8.89
γ 143.0	8.16	8.12	9.48	9.28
γ 144.0	8.48	8.49	9.88	9.61
γ 145.0	8.75	8.85	10.22	9.96
γ 146.0	9.17	9.17	10.48	10.27
γ 147.0	9.50	9.52	10.83	10.55
γ 148.0	9.84	9.81	11.13	10.83
γ 149.0	10.19	10.19	11.44	11.14
γ 150.0	10.48	10.42	11.62	11.34
γ 151.0	10.73	10.73	11.86	11.62
γ 152.0	11.04	10.90	12.11	11.77
γ 153.0	11.29	11.18	12.30	11.98
γ 154.0	11.48	11.44	12.46	12.13
γ 155.0	11.66	11.60	12.60	12.26
γ 156.0	11.90	11.77	12.66	12.40
γ 157.0	12.06	11.85	12.90	12.52
γ 158.0	12.24	12.01	12.91	12.59
γ 159.0	12.36	12.04	13.04	12.73
γ 160.0	12.49	12.19	13.13	12.71
γ 161.0	12.57	12.31	13.26	12.83
γ 162.0	12.72	12.48	13.22	12.81
γ 163.0	12.74	12.50	13.24	12.84
γ 164.0	12.77	12.57	13.34	12.94
γ 165.0	12.85	12.65	13.33	12.97
γ 166.0	12.90	12.73	13.35	12.91
γ 167.0	12.87	12.73	13.31	12.87
γ 168.0	12.99	12.82	13.28	12.86
γ 169.0	12.89	12.80	13.25	12.85
γ 170.0	12.91	12.78	13.17	12.87
γ 171.0	12.93	12.86	13.17	12.64
γ 172.0	13.02	12.84	13.15	12.63
γ 173.0	12.79	12.72	13.00	12.59
γ 174.0	12.81	12.74	13.00	12.71
γ 175.0	12.81	12.82	12.95	12.53
γ 176.0	12.77	12.69	12.93	12.57
γ 177.0	12.83	12.73	12.90	12.56
γ 178.0	12.92	12.76	12.98	12.67
γ 179.0	12.83	12.68	12.91	12.62
γ 180.0	12.82	12.82	12.82	12.82