

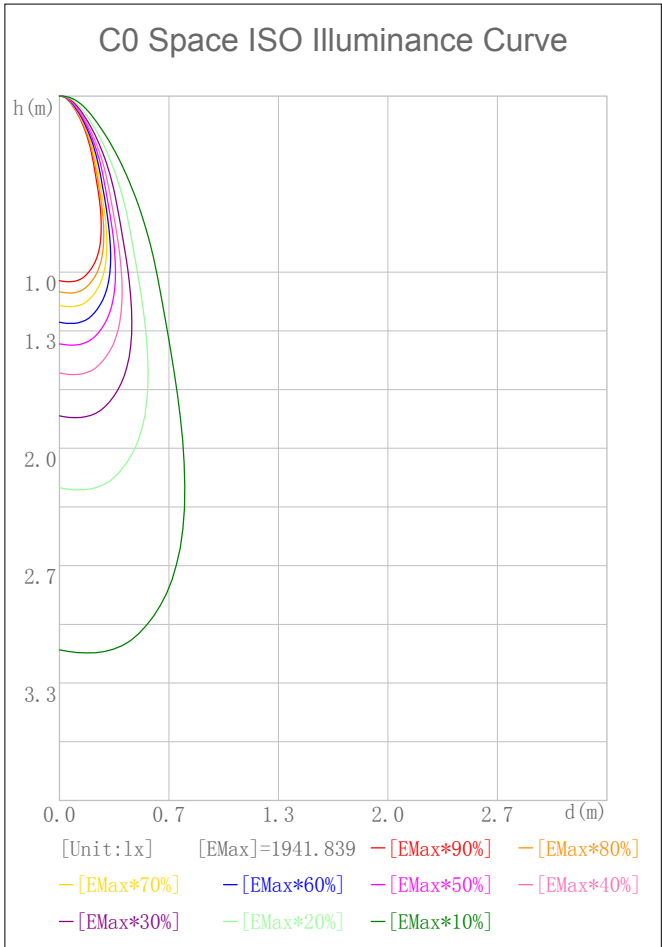
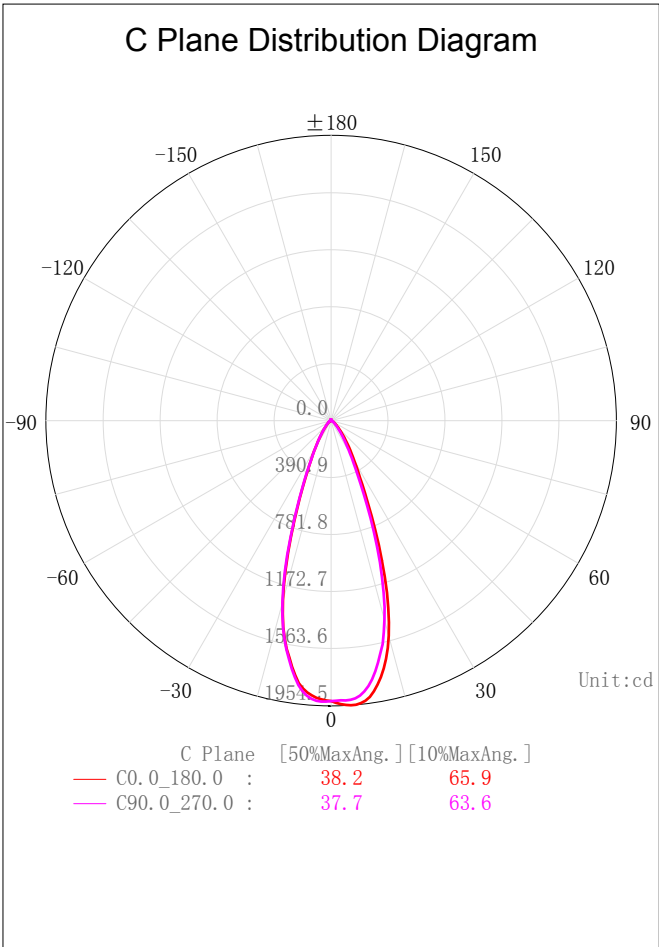
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-SL-03 4000K RA97 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2020/01/03
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*0.650m	Lum. Area (m2): 0.572	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): 973.200	Luminary Flux(lm): 973.201	Field Angle(10%Imax): 65.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 949.276lm 97.54%
Rated Voltage(V):	Luminary EER(lm/W): 75.325	Up Lumens&Percent: 23.925lm 2.46%
Tested Power(W): 12.920	Max. Candela(cd): 1954.481	S/MH: C0_a180=0.644 C90_270=0.630
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=4.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.0, 0.056	Beam Angle(50%Imax): 38.2(°)	ErP Φ use(90°): 872.311lm
Lamp Size (W*L*H): 0.498m*0.498m*0.650m	Left=-17.8°, Right=20.4°	IRF(%): 420.481



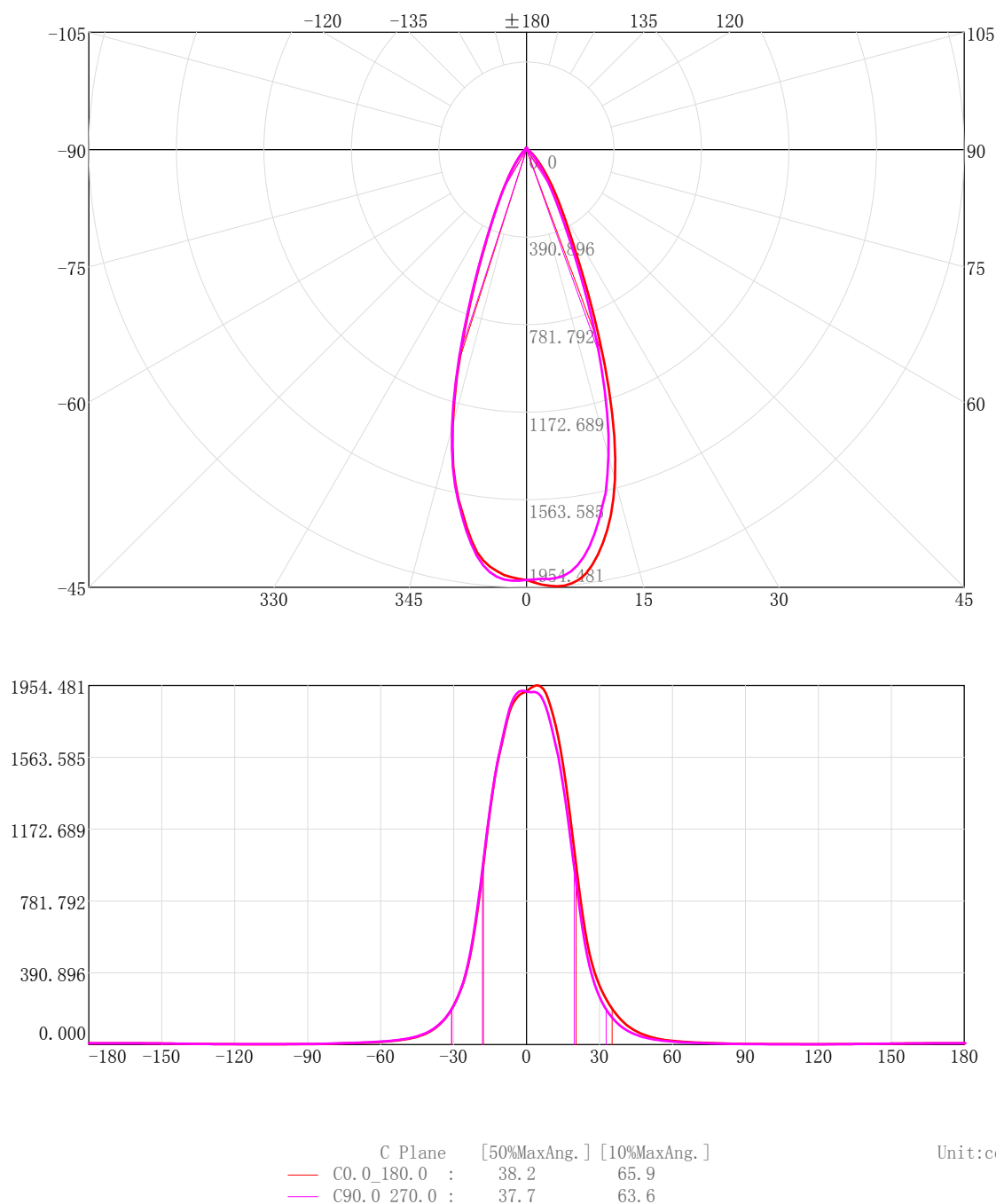
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 36D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

C Plane Distribution Diagram



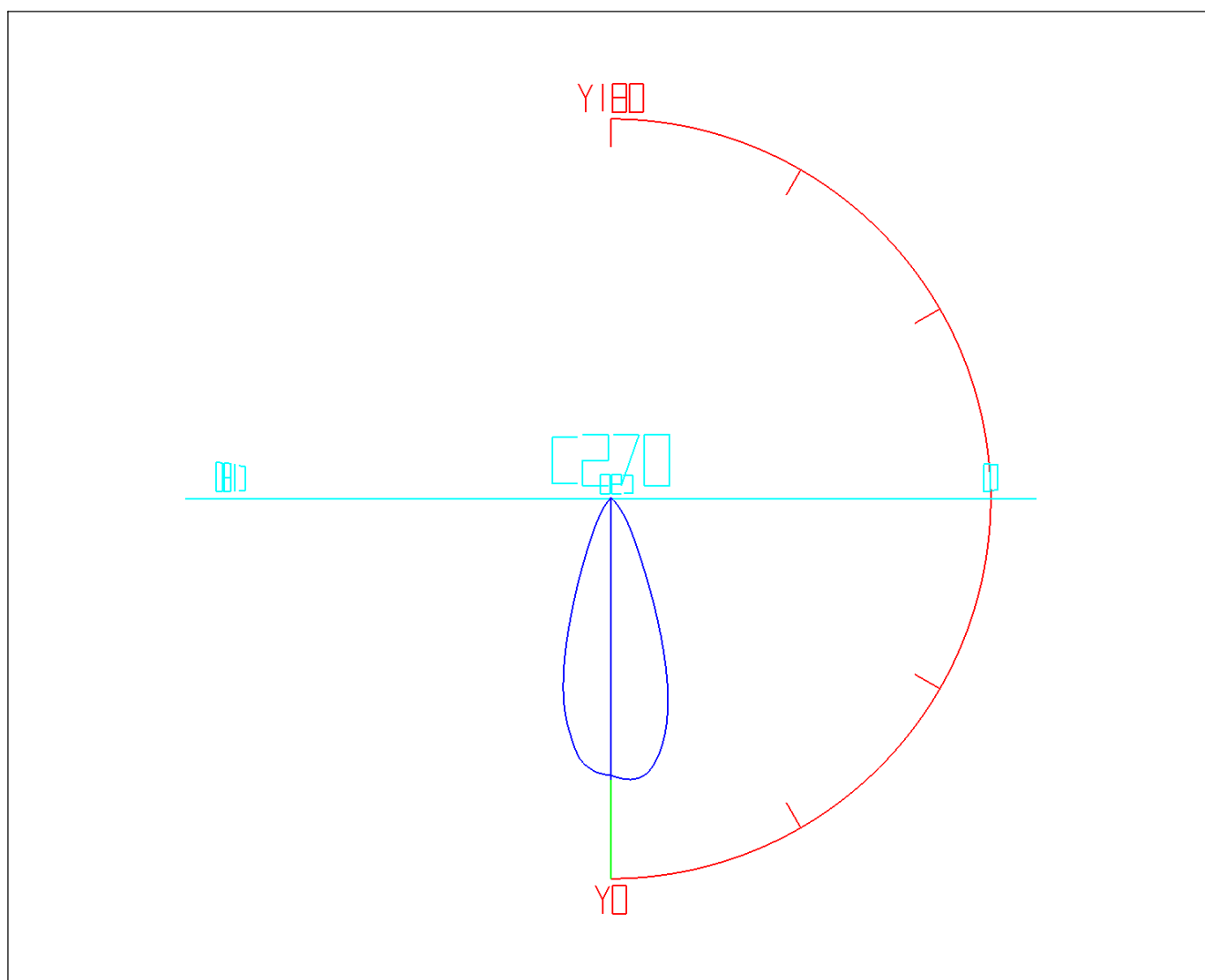
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 36D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

## 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

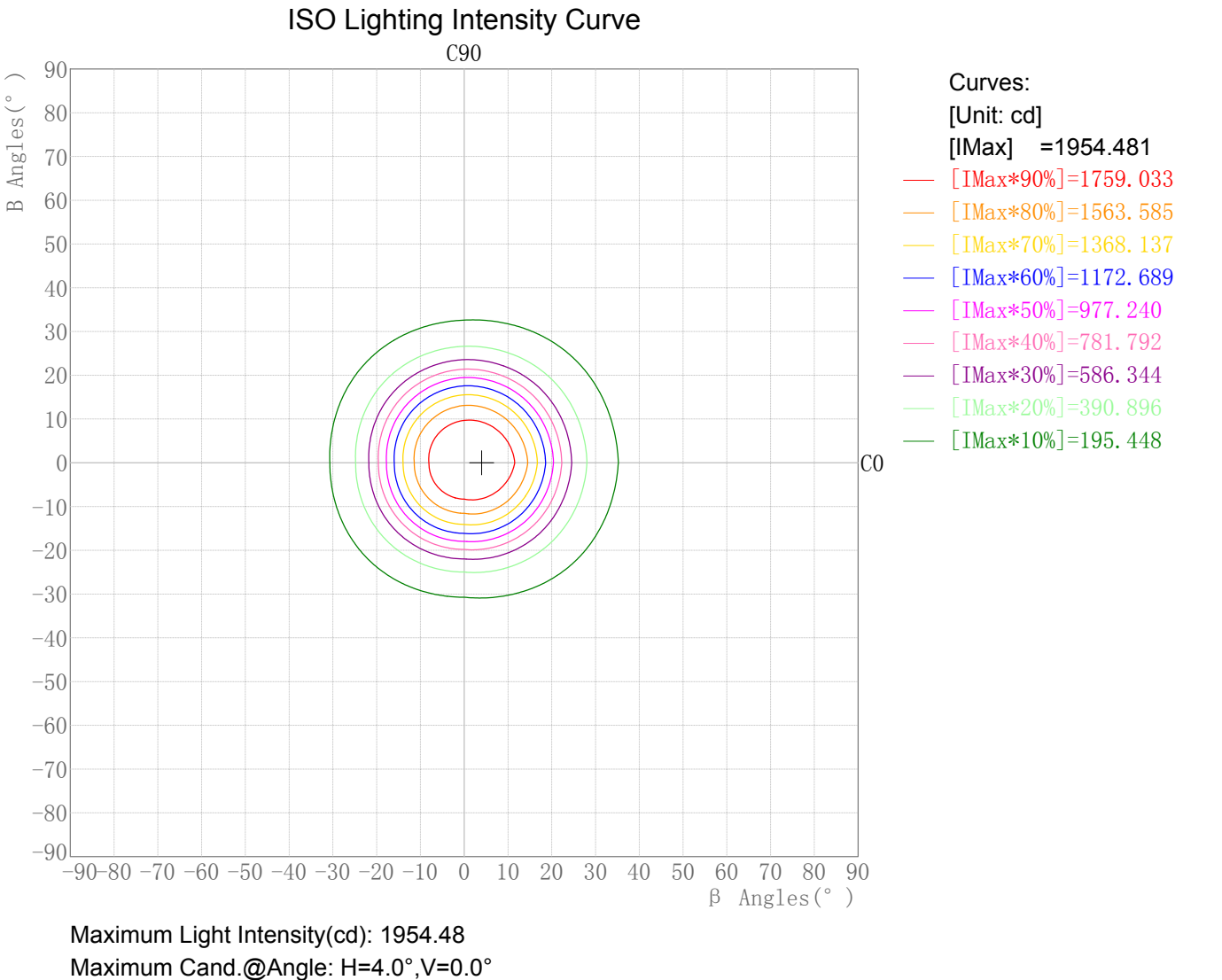
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.84	1.84	0.19	0.19	47.0-48.0	3.51	893.79	0.36	91.84
1.0-2.0	5.52	7.36	0.57	0.76	48.0-49.0	3.27	897.07	0.34	92.18
2.0-3.0	9.20	16.56	0.95	1.70	49.0-50.0	3.06	900.13	0.31	92.49
3.0-4.0	12.86	29.42	1.32	3.02	50.0-51.0	2.86	902.99	0.29	92.79
4.0-5.0	16.45	45.86	1.69	4.71	51.0-52.0	2.68	905.67	0.28	93.06
5.0-6.0	19.94	65.80	2.05	6.76	52.0-53.0	2.52	908.19	0.26	93.32
6.0-7.0	23.26	89.06	2.39	9.15	53.0-54.0	2.36	910.55	0.24	93.56
7.0-8.0	26.35	115.41	2.71	11.86	54.0-55.0	2.23	912.78	0.23	93.79
8.0-9.0	29.14	144.55	2.99	14.85	55.0-56.0	2.10	914.88	0.22	94.01
9.0-10.0	31.64	176.19	3.25	18.10	56.0-57.0	1.99	916.87	0.20	94.21
10.0-11.0	33.86	210.05	3.48	21.58	57.0-58.0	1.89	918.76	0.19	94.41
11.0-12.0	35.77	245.82	3.68	25.26	58.0-59.0	1.79	920.55	0.18	94.59
12.0-13.0	37.32	283.14	3.84	29.09	59.0-60.0	1.70	922.26	0.18	94.77
13.0-14.0	38.40	321.54	3.95	33.04	60.0-61.0	1.62	923.88	0.17	94.93
14.0-15.0	38.91	360.45	4.00	37.04	61.0-62.0	1.55	925.43	0.16	95.09
15.0-16.0	38.91	399.36	4.00	41.04	62.0-63.0	1.48	926.91	0.15	95.24
16.0-17.0	38.32	437.67	3.94	44.97	63.0-64.0	1.41	928.32	0.15	95.39
17.0-18.0	37.14	474.81	3.82	48.79	64.0-65.0	1.35	929.67	0.14	95.53
18.0-19.0	35.48	510.29	3.65	52.43	65.0-66.0	1.29	930.96	0.13	95.66
19.0-20.0	33.46	543.75	3.44	55.87	66.0-67.0	1.24	932.20	0.13	95.79
20.0-21.0	31.20	574.95	3.21	59.08	67.0-68.0	1.19	933.39	0.12	95.91
21.0-22.0	28.82	603.77	2.96	62.04	68.0-69.0	1.14	934.54	0.12	96.03
22.0-23.0	26.42	630.19	2.71	64.75	69.0-70.0	1.10	935.63	0.11	96.14
23.0-24.0	24.10	654.29	2.48	67.23	70.0-71.0	1.05	936.68	0.11	96.25
24.0-25.0	21.96	676.25	2.26	69.49	71.0-72.0	1.01	937.69	0.10	96.35
25.0-26.0	20.05	696.30	2.06	71.55	72.0-73.0	0.96	938.65	0.10	96.45
26.0-27.0	18.35	714.66	1.89	73.43	73.0-74.0	0.92	939.57	0.09	96.54
27.0-28.0	16.86	731.52	1.73	75.17	74.0-75.0	0.88	940.46	0.09	96.64
28.0-29.0	15.55	747.07	1.60	76.76	75.0-76.0	0.84	941.30	0.09	96.72
29.0-30.0	14.37	761.44	1.48	78.24	76.0-77.0	0.80	942.10	0.08	96.80
30.0-31.0	13.28	774.72	1.36	79.61	77.0-78.0	0.76	942.86	0.08	96.88
31.0-32.0	12.29	787.01	1.26	80.87	78.0-79.0	0.73	943.59	0.07	96.96
32.0-33.0	11.36	798.36	1.17	82.03	79.0-80.0	0.69	944.27	0.07	97.03
33.0-34.0	10.49	808.86	1.08	83.11	80.0-81.0	0.65	944.92	0.07	97.09
34.0-35.0	9.69	818.54	1.00	84.11	81.0-82.0	0.61	945.53	0.06	97.16
35.0-36.0	8.94	827.48	0.92	85.03	82.0-83.0	0.57	946.10	0.06	97.21
36.0-37.0	8.24	835.72	0.85	85.87	83.0-84.0	0.53	946.63	0.05	97.27
37.0-38.0	7.60	843.32	0.78	86.65	84.0-85.0	0.50	947.13	0.05	97.32
38.0-39.0	7.00	850.33	0.72	87.37	85.0-86.0	0.47	947.60	0.05	97.37
39.0-40.0	6.46	856.79	0.66	88.04	86.0-87.0	0.45	948.04	0.05	97.42
40.0-41.0	5.96	862.74	0.61	88.65	87.0-88.0	0.43	948.47	0.04	97.46
41.0-42.0	5.51	868.25	0.57	89.22	88.0-89.0	0.41	948.88	0.04	97.50
42.0-43.0	5.09	873.34	0.52	89.74	89.0-90.0	0.40	949.28	0.04	97.54
43.0-44.0	4.72	878.06	0.48	90.22	90.0-91.0	0.39	949.66	0.04	97.58
44.0-45.0	4.38	882.44	0.45	90.67	91.0-92.0	0.38	950.04	0.04	97.62
45.0-46.0	4.06	886.50	0.42	91.09	92.0-93.0	0.37	950.41	0.04	97.66
46.0-47.0	3.78	890.28	0.39	91.48	93.0-94.0	0.36	950.78	0.04	97.70

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	0.35	951.13	0.04	97.73	141.0-142.0	0.33	964.51	0.03	99.11
95.0-96.0	0.35	951.48	0.04	97.77	142.0-143.0	0.34	964.84	0.03	99.14
96.0-97.0	0.34	951.82	0.03	97.80	143.0-144.0	0.34	965.18	0.03	99.18
97.0-98.0	0.33	952.15	0.03	97.84	144.0-145.0	0.34	965.52	0.04	99.21
98.0-99.0	0.33	952.47	0.03	97.87	145.0-146.0	0.34	965.86	0.04	99.25
99.0-100.0	0.32	952.79	0.03	97.90	146.0-147.0	0.34	966.21	0.04	99.28
100.0-101.0	0.31	953.11	0.03	97.94	147.0-148.0	0.34	966.55	0.04	99.32
101.0-102.0	0.31	953.41	0.03	97.97	148.0-149.0	0.34	966.89	0.04	99.35
102.0-103.0	0.30	953.72	0.03	98.00	149.0-150.0	0.34	967.23	0.03	99.39
103.0-104.0	0.30	954.01	0.03	98.03	150.0-151.0	0.34	967.57	0.03	99.42
104.0-105.0	0.29	954.30	0.03	98.06	151.0-152.0	0.33	967.90	0.03	99.46
105.0-106.0	0.29	954.59	0.03	98.09	152.0-153.0	0.33	968.23	0.03	99.49
106.0-107.0	0.28	954.87	0.03	98.12	153.0-154.0	0.33	968.56	0.03	99.52
107.0-108.0	0.28	955.15	0.03	98.15	154.0-155.0	0.32	968.88	0.03	99.56
108.0-109.0	0.27	955.42	0.03	98.17	155.0-156.0	0.31	969.19	0.03	99.59
109.0-110.0	0.27	955.69	0.03	98.20	156.0-157.0	0.31	969.50	0.03	99.62
110.0-111.0	0.27	955.96	0.03	98.23	157.0-158.0	0.30	969.79	0.03	99.65
111.0-112.0	0.26	956.22	0.03	98.26	158.0-159.0	0.29	970.08	0.03	99.68
112.0-113.0	0.26	956.48	0.03	98.28	159.0-160.0	0.28	970.36	0.03	99.71
113.0-114.0	0.26	956.74	0.03	98.31	160.0-161.0	0.27	970.63	0.03	99.74
114.0-115.0	0.26	956.99	0.03	98.33	161.0-162.0	0.26	970.88	0.03	99.76
115.0-116.0	0.25	957.25	0.03	98.36	162.0-163.0	0.24	971.13	0.03	99.79
116.0-117.0	0.25	957.50	0.03	98.39	163.0-164.0	0.23	971.36	0.02	99.81
117.0-118.0	0.25	957.75	0.03	98.41	164.0-165.0	0.22	971.58	0.02	99.83
118.0-119.0	0.25	958.00	0.03	98.44	165.0-166.0	0.21	971.79	0.02	99.85
119.0-120.0	0.25	958.25	0.03	98.46	166.0-167.0	0.19	971.98	0.02	99.87
120.0-121.0	0.25	958.50	0.03	98.49	167.0-168.0	0.18	972.16	0.02	99.89
121.0-122.0	0.25	958.75	0.03	98.51	168.0-169.0	0.16	972.32	0.02	99.91
122.0-123.0	0.25	959.00	0.03	98.54	169.0-170.0	0.15	972.47	0.02	99.93
123.0-124.0	0.25	959.25	0.03	98.57	170.0-171.0	0.14	972.61	0.01	99.94
124.0-125.0	0.26	959.51	0.03	98.59	171.0-172.0	0.12	972.73	0.01	99.95
125.0-126.0	0.26	959.76	0.03	98.62	172.0-173.0	0.11	972.84	0.01	99.96
126.0-127.0	0.26	960.02	0.03	98.65	173.0-174.0	0.09	972.94	0.01	99.97
127.0-128.0	0.26	960.29	0.03	98.67	174.0-175.0	0.08	973.02	0.01	99.98
128.0-129.0	0.27	960.56	0.03	98.70	175.0-176.0	0.07	973.08	0.01	99.99
129.0-130.0	0.27	960.83	0.03	98.73	176.0-177.0	0.05	973.13	0.01	99.99
130.0-131.0	0.28	961.11	0.03	98.76	177.0-178.0	0.04	973.17	0.00	100.00
131.0-132.0	0.28	961.39	0.03	98.79	178.0-179.0	0.02	973.19	0.00	100.00
132.0-133.0	0.29	961.68	0.03	98.82	179.0-180.0	0.01	973.20	0.00	100.00
133.0-134.0	0.29	961.97	0.03	98.85					
134.0-135.0	0.30	962.27	0.03	98.88					
135.0-136.0	0.30	962.58	0.03	98.91					
136.0-137.0	0.31	962.89	0.03	98.94					
137.0-138.0	0.32	963.20	0.03	98.97					
138.0-139.0	0.32	963.52	0.03	99.01					
139.0-140.0	0.32	963.85	0.03	99.04					
140.0-141.0	0.33	964.17	0.03	99.07					

Rectangle ISO Lighting Intensity Diagram

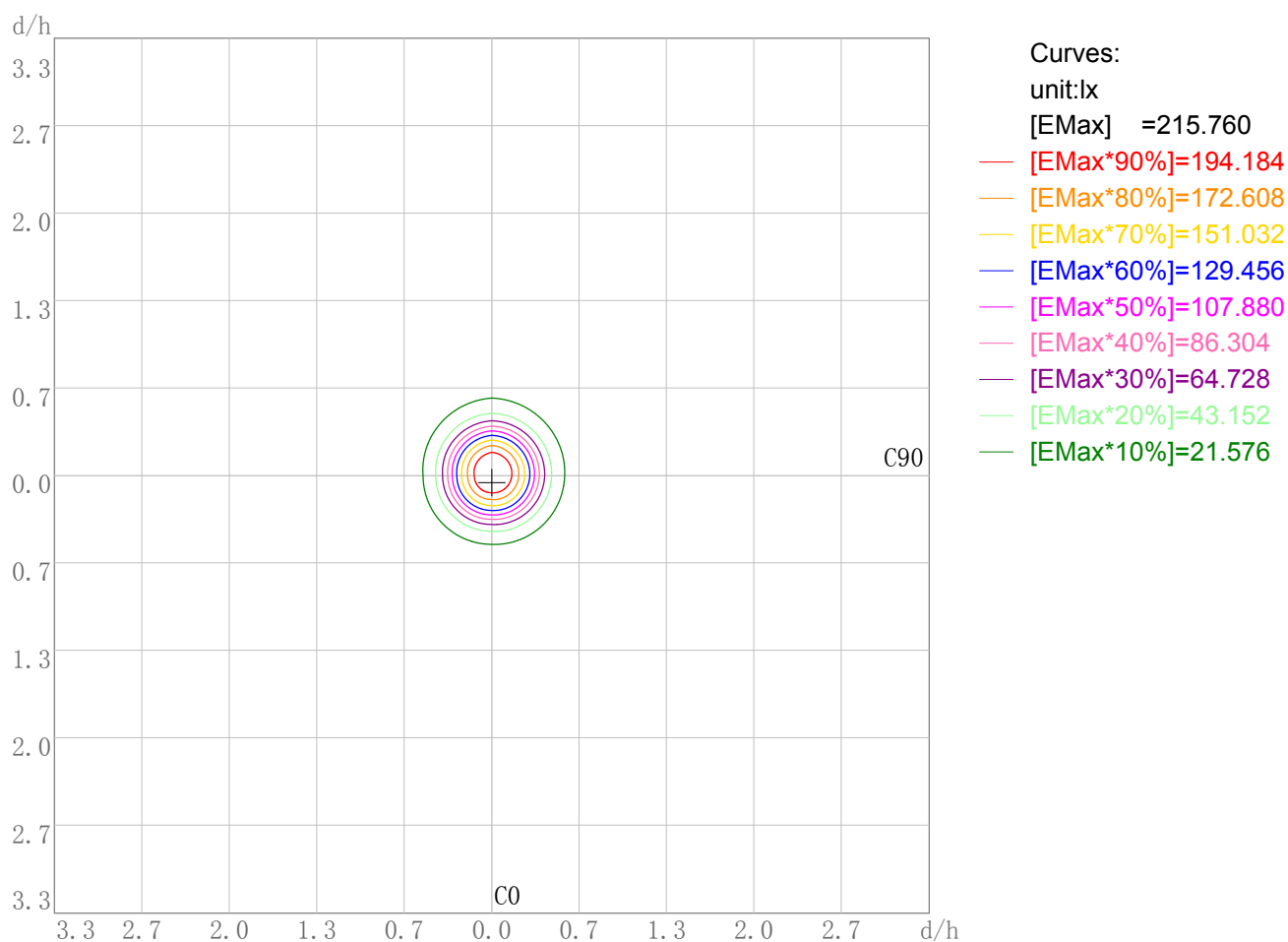
Lum. Name: MD10-13-SL-03 4000K RA97 36D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/01/03



## Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

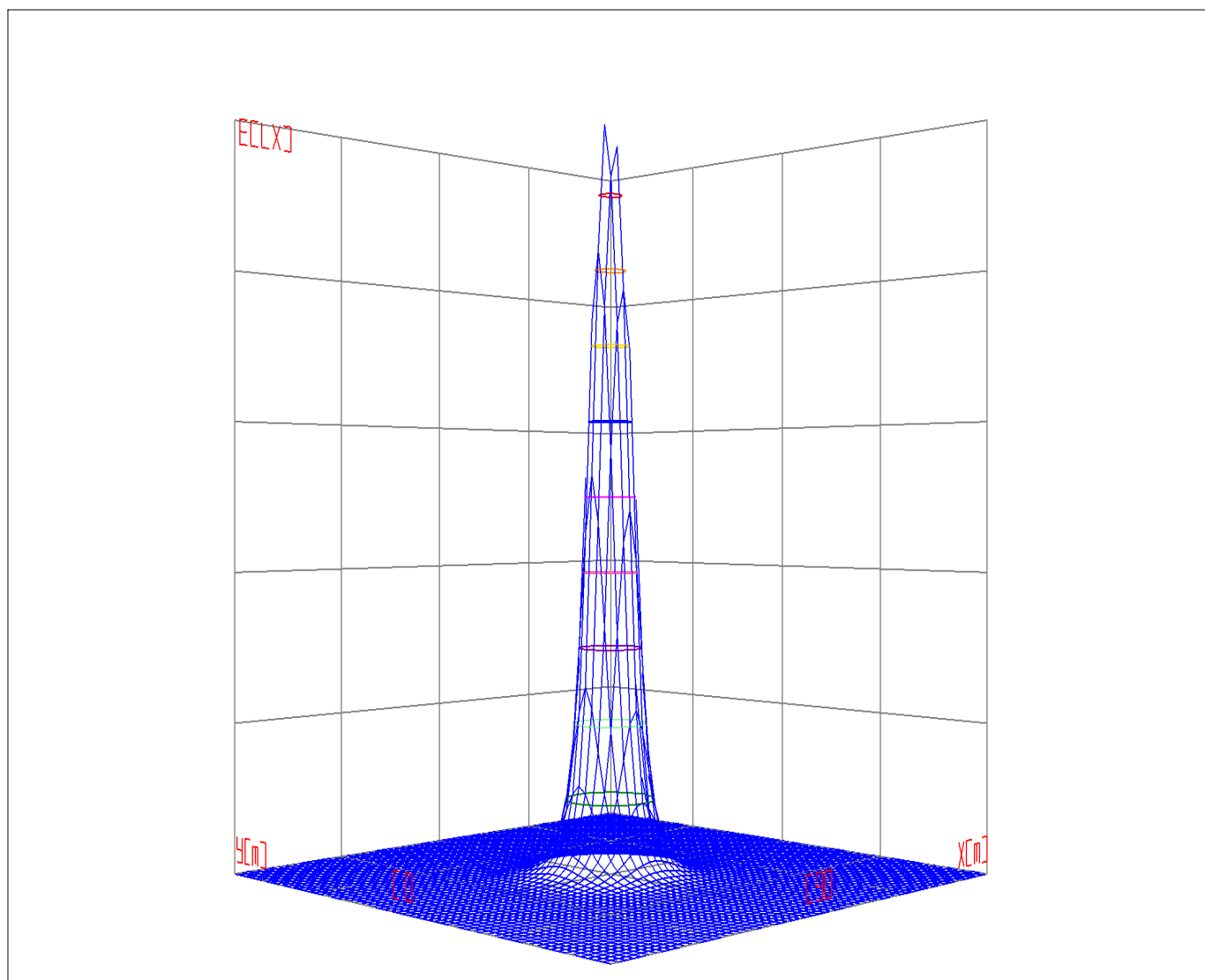
Working Plane Maximum Illuminance(lx): 215.76

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

### 3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

### 3D Plane Illuminance Modal



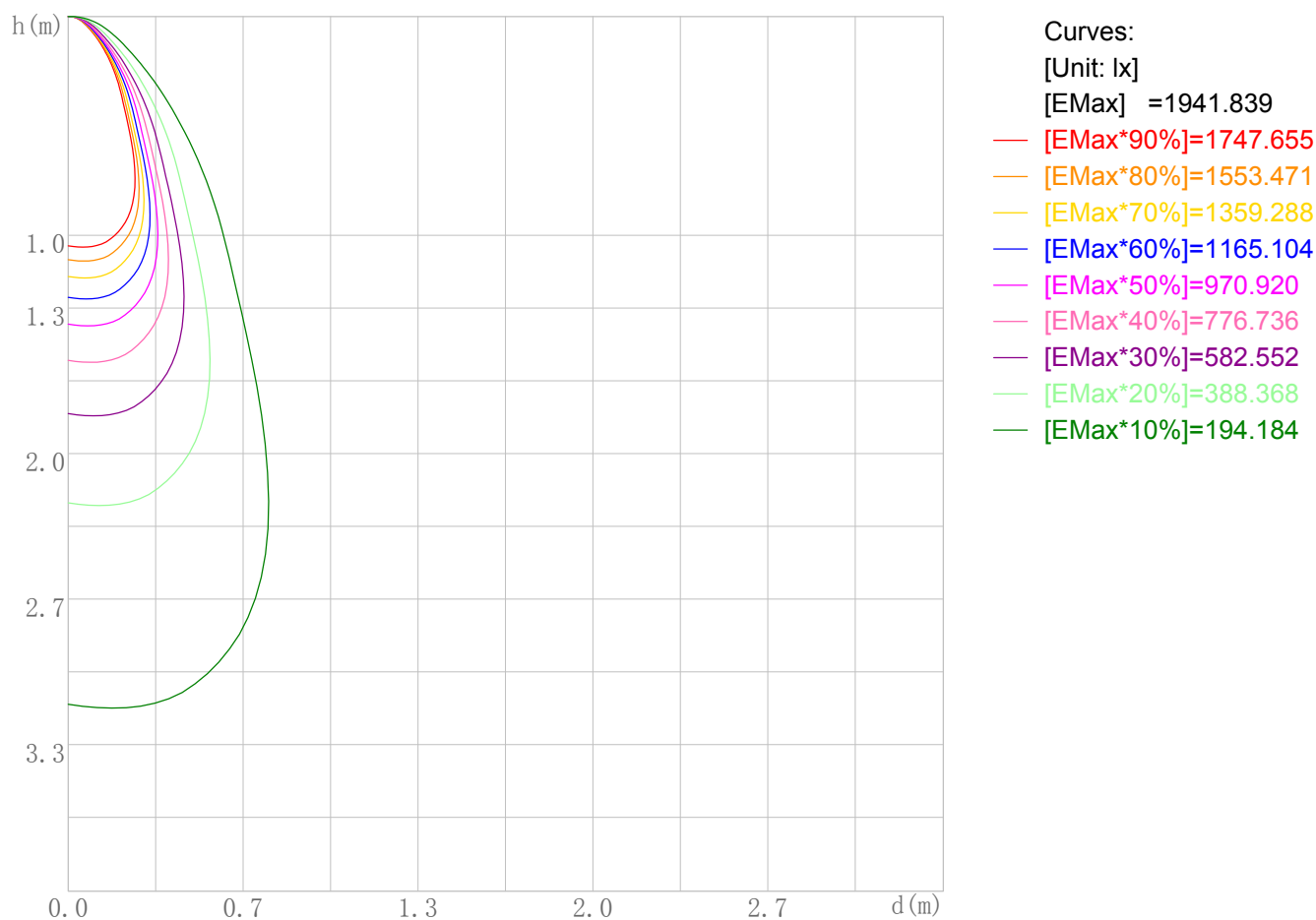
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0



## Space ISO Illuminance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

## Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1941.84lx,3.0deg

Plane Maximum Lighting Intensity and @Angle:1954.481cd,0deg

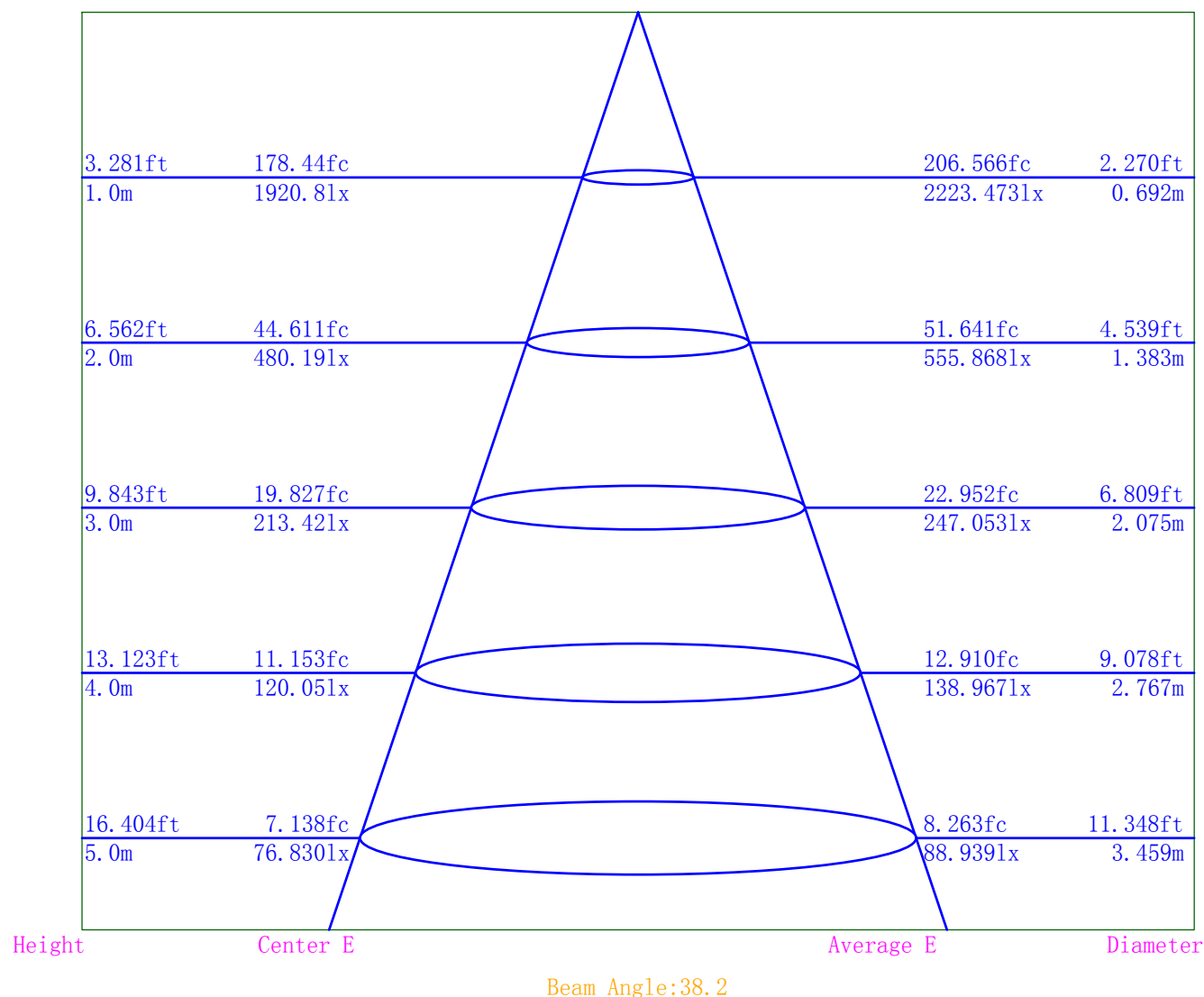
# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 36D.IES

## Illuminance-Distance Diagram

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 36D.IES

## Indoor Luminance Limiting Curves

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

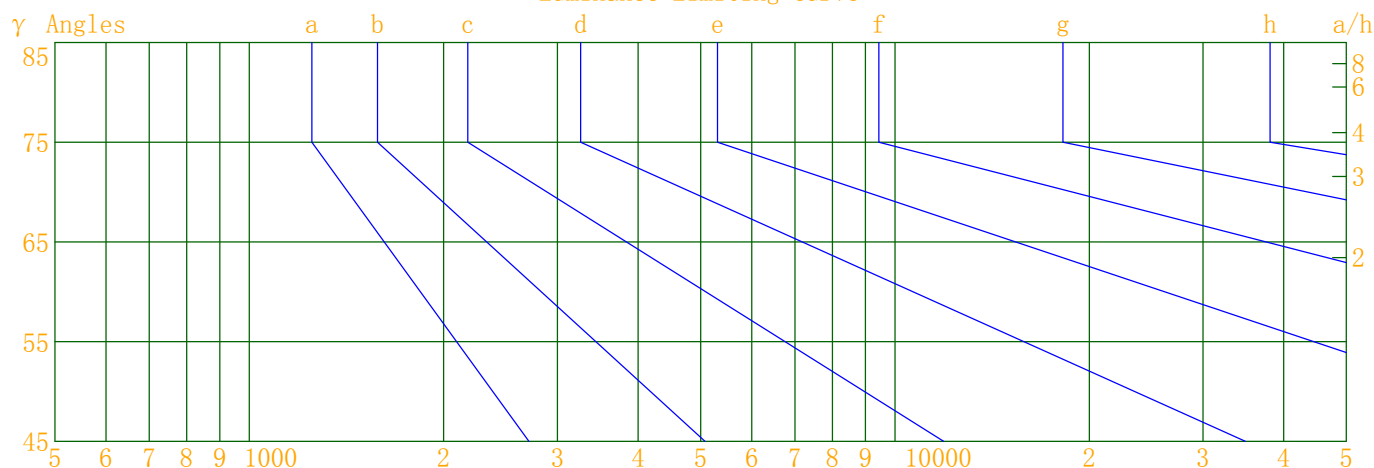
Glare Grade Table

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	183	126	92	74	65	61	63	71	103
C90	135	94	71	58	52	50	52	59	84

Luminance Limiting Curve



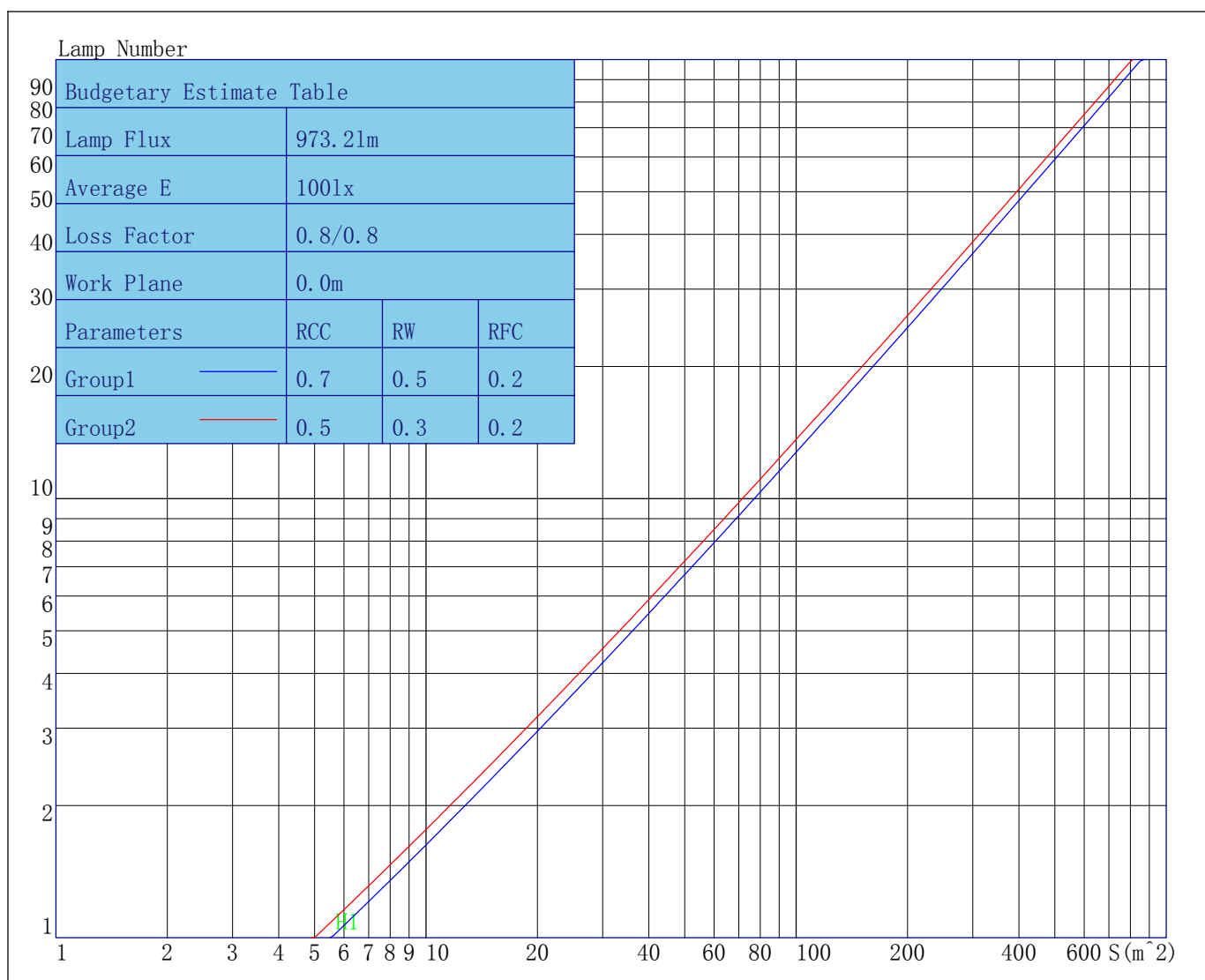
Luminous Size: Length(m)=0.498 Width(m)=0.498 Height(m)=0.650 Area(m^2)=0.571704  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:MD10-13-SL-03 4000K RA97 36D.IES

## Indoor Budgetary Estimate Table

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03



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-SL-03 4000K RA97 36D.IES

## Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-SL-03 4000K RA97 36D	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: 2020/01/03

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	98
1	113	110	108	105	110	108	106	104	103	102	100	99	98	97	95	94	93	91
2	108	103	99	96	105	101	97	94	97	95	92	94	92	90	91	89	88	86
3	103	97	92	88	101	95	91	87	92	89	86	89	86	84	87	84	82	81
4	98	91	86	82	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	94	86	81	77	92	85	80	76	83	79	75	81	77	75	79	76	74	72
6	90	82	76	72	88	81	76	72	79	75	71	78	74	71	76	73	70	69
7	86	78	72	68	85	77	72	68	76	71	68	74	70	67	73	69	67	65
8	83	74	69	65	82	74	68	65	72	68	64	71	67	64	70	66	64	62
9	80	71	66	62	78	70	65	62	69	65	62	68	64	61	67	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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), and a section for variations with observer position at spacings (S).

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	1920.75	1920.75	1920.75	1920.75
γ 1.0	1932.88	1919.00	1916.57	1925.07
γ 2.0	1943.16	1917.20	1910.29	1925.17
γ 3.0	1949.84	1919.74	1902.06	1921.93
γ 4.0	1954.48	1916.65	1886.48	1910.64
γ 5.0	1953.51	1909.14	1868.82	1892.55
γ 6.0	1946.17	1894.01	1844.78	1864.74
γ 7.0	1933.42	1869.21	1811.58	1826.36
γ 8.0	1910.84	1836.33	1762.23	1776.01
γ 9.0	1877.00	1794.04	1707.11	1720.59
γ 10.0	1836.06	1743.51	1646.49	1659.86
γ 11.0	1789.09	1688.06	1591.41	1598.52
γ 12.0	1734.76	1626.94	1525.53	1533.97
γ 13.0	1675.08	1571.48	1453.11	1459.52
γ 14.0	1604.38	1493.76	1365.77	1375.54
γ 15.0	1524.77	1413.76	1273.85	1285.80
γ 16.0	1437.96	1328.34	1171.17	1186.24
γ 17.0	1341.29	1232.50	1063.83	1080.37
γ 18.0	1238.06	1130.51	951.19	972.51
γ 19.0	1129.85	1026.94	842.72	865.07
γ 20.0	1019.01	924.04	741.41	762.68
γ 21.0	911.83	821.07	651.12	668.85
γ 22.0	809.12	723.53	567.99	583.73
γ 23.0	713.80	632.87	495.38	509.33
γ 24.0	627.88	551.57	433.14	444.98
γ 25.0	553.76	482.35	380.96	389.20
γ 26.0	490.71	422.44	336.39	341.83
γ 27.0	436.96	371.34	299.18	301.81
γ 28.0	392.75	328.59	266.19	267.57
γ 29.0	355.22	291.78	237.62	238.12
γ 30.0	322.01	260.15	211.46	211.98
γ 31.0	293.00	232.63	188.79	189.12
γ 32.0	266.53	208.47	167.90	168.92
γ 33.0	242.30	186.76	149.99	151.16
γ 34.0	220.05	167.38	133.60	135.54
γ 35.0	199.52	150.29	119.38	121.73
γ 36.0	180.53	134.83	106.70	109.69
γ 37.0	163.80	121.14	95.54	98.93
γ 38.0	148.10	108.83	85.57	89.00
γ 39.0	133.95	98.05	76.99	80.33
γ 40.0	120.91	88.46	69.36	72.68
γ 41.0	109.30	79.99	62.70	65.89
γ 42.0	99.06	72.45	56.70	60.05
γ 43.0	89.77	65.80	51.41	54.81
γ 44.0	81.48	59.86	46.79	50.07
γ 45.0	74.09	54.54	42.78	45.94
γ 46.0	67.35	49.58	39.12	42.22

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	61.37	45.17	36.01	38.94
γ 48.0	55.81	41.14	33.27	35.98
γ 49.0	50.84	37.64	30.84	33.44
γ 50.0	46.34	34.57	28.63	31.18
γ 51.0	42.31	31.82	26.72	29.15
γ 52.0	38.66	29.37	24.97	27.10
γ 53.0	35.48	27.19	23.31	25.29
γ 54.0	32.54	25.22	21.86	23.68
γ 55.0	30.07	23.44	20.58	22.23
γ 56.0	27.78	21.85	19.32	20.94
γ 57.0	25.85	20.37	18.19	19.79
γ 58.0	24.11	18.98	17.15	18.75
γ 59.0	22.58	17.73	16.22	17.78
γ 60.0	21.17	16.64	15.31	16.86
γ 61.0	19.90	15.66	14.53	16.02
γ 62.0	18.69	14.73	13.79	15.19
γ 63.0	17.56	13.94	13.14	14.46
γ 64.0	16.52	13.20	12.52	13.78
γ 65.0	15.60	12.52	11.94	13.15
γ 66.0	14.74	11.90	11.37	12.54
γ 67.0	13.97	11.34	10.87	12.01
γ 68.0	13.23	10.78	10.35	11.45
γ 69.0	12.59	10.27	9.88	10.95
γ 70.0	11.95	9.79	9.42	10.46
γ 71.0	11.36	9.32	8.98	9.99
γ 72.0	10.80	8.89	8.54	9.54
γ 73.0	10.27	8.47	8.13	9.10
γ 74.0	9.77	8.06	7.73	8.66
γ 75.0	9.28	7.67	7.34	8.25
γ 76.0	8.80	7.27	6.95	7.84
γ 77.0	8.36	6.91	6.59	7.44
γ 78.0	7.93	6.53	6.22	7.06
γ 79.0	7.50	6.20	5.87	6.67
γ 80.0	7.09	5.86	5.48	6.28
γ 81.0	6.67	5.53	5.11	5.87
γ 82.0	6.26	5.16	4.71	5.46
γ 83.0	5.84	4.77	4.42	5.14
γ 84.0	5.47	4.45	4.12	4.82
γ 85.0	5.14	4.18	3.87	4.57
γ 86.0	4.83	3.91	3.66	4.31
γ 87.0	4.57	3.71	3.47	4.12
γ 88.0	4.32	3.49	3.35	4.00
γ 89.0	4.17	3.36	3.26	3.89
γ 90.0	4.06	3.28	3.19	3.80
γ 91.0	3.96	3.19	3.11	3.71
γ 92.0	3.87	3.13	3.04	3.62
γ 93.0	3.79	3.07	2.98	3.55



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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.70	3.01	2.92	3.47
γ 95.0	3.62	2.96	2.87	3.38
γ 96.0	3.55	2.89	2.82	3.32
γ 97.0	3.48	2.84	2.77	3.26
γ 98.0	3.40	2.79	2.73	3.19
γ 99.0	3.34	2.73	2.69	3.14
γ 100.0	3.27	2.69	2.65	3.09
γ 101.0	3.22	2.66	2.62	3.04
γ 102.0	3.15	2.62	2.59	3.00
γ 103.0	3.11	2.58	2.57	2.96
γ 104.0	3.05	2.54	2.53	2.92
γ 105.0	3.00	2.50	2.52	2.88
γ 106.0	2.95	2.47	2.50	2.85
γ 107.0	2.91	2.45	2.49	2.82
γ 108.0	2.87	2.42	2.48	2.80
γ 109.0	2.83	2.38	2.48	2.78
γ 110.0	2.79	2.36	2.48	2.77
γ 111.0	2.75	2.33	2.48	2.75
γ 112.0	2.72	2.31	2.48	2.75
γ 113.0	2.70	2.30	2.50	2.74
γ 114.0	2.67	2.30	2.51	2.75
γ 115.0	2.65	2.29	2.54	2.74
γ 116.0	2.64	2.29	2.55	2.75
γ 117.0	2.64	2.29	2.59	2.76
γ 118.0	2.63	2.29	2.61	2.78
γ 119.0	2.63	2.31	2.66	2.80
γ 120.0	2.63	2.33	2.71	2.84
γ 121.0	2.64	2.35	2.76	2.88
γ 122.0	2.66	2.38	2.81	2.92
γ 123.0	2.69	2.41	2.88	2.97
γ 124.0	2.72	2.45	2.96	3.04
γ 125.0	2.75	2.51	3.04	3.10
γ 126.0	2.80	2.57	3.13	3.18
γ 127.0	2.85	2.63	3.23	3.27
γ 128.0	2.92	2.71	3.33	3.36
γ 129.0	2.99	2.79	3.46	3.46
γ 130.0	3.08	2.88	3.58	3.57
γ 131.0	3.15	2.99	3.72	3.69
γ 132.0	3.26	3.10	3.84	3.81
γ 133.0	3.36	3.21	3.98	3.94
γ 134.0	3.47	3.33	4.13	4.07
γ 135.0	3.60	3.48	4.27	4.21
γ 136.0	3.72	3.61	4.42	4.36
γ 137.0	3.86	3.76	4.59	4.50
γ 138.0	4.01	3.91	4.74	4.65
γ 139.0	4.14	4.06	4.90	4.80
γ 140.0	4.30	4.22	5.07	4.96

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	4.45	4.39	5.23	5.12
γ 142.0	4.60	4.54	5.38	5.27
γ 143.0	4.77	4.71	5.54	5.43
γ 144.0	4.92	4.88	5.71	5.59
γ 145.0	5.09	5.04	5.87	5.74
γ 146.0	5.24	5.19	6.01	5.91
γ 147.0	5.40	5.36	6.17	6.05
γ 148.0	5.58	5.51	6.30	6.20
γ 149.0	5.72	5.67	6.45	6.33
γ 150.0	5.88	5.82	6.58	6.45
γ 151.0	6.02	5.97	6.72	6.59
γ 152.0	6.16	6.10	6.84	6.72
γ 153.0	6.29	6.24	6.97	6.83
γ 154.0	6.45	6.37	7.08	6.94
γ 155.0	6.57	6.50	7.19	7.04
γ 156.0	6.70	6.61	7.27	7.14
γ 157.0	6.81	6.74	7.37	7.21
γ 158.0	6.93	6.84	7.46	7.29
γ 159.0	7.02	6.94	7.53	7.34
γ 160.0	7.11	7.02	7.58	7.40
γ 161.0	7.21	7.09	7.62	7.44
γ 162.0	7.27	7.15	7.66	7.48
γ 163.0	7.32	7.22	7.68	7.50
γ 164.0	7.38	7.27	7.70	7.51
γ 165.0	7.41	7.31	7.71	7.52
γ 166.0	7.45	7.33	7.70	7.53
γ 167.0	7.48	7.37	7.71	7.53
γ 168.0	7.51	7.38	7.71	7.54
γ 169.0	7.54	7.41	7.71	7.54
γ 170.0	7.56	7.41	7.72	7.55
γ 171.0	7.58	7.43	7.73	7.55
γ 172.0	7.61	7.45	7.76	7.57
γ 173.0	7.64	7.46	7.77	7.58
γ 174.0	7.68	7.50	7.80	7.60
γ 175.0	7.71	7.53	7.80	7.62
γ 176.0	7.74	7.54	7.81	7.64
γ 177.0	7.77	7.59	7.84	7.66
γ 178.0	7.80	7.63	7.86	7.70
γ 179.0	7.83	7.64	7.87	7.69
γ 180.0	7.80	7.80	7.80	7.80