

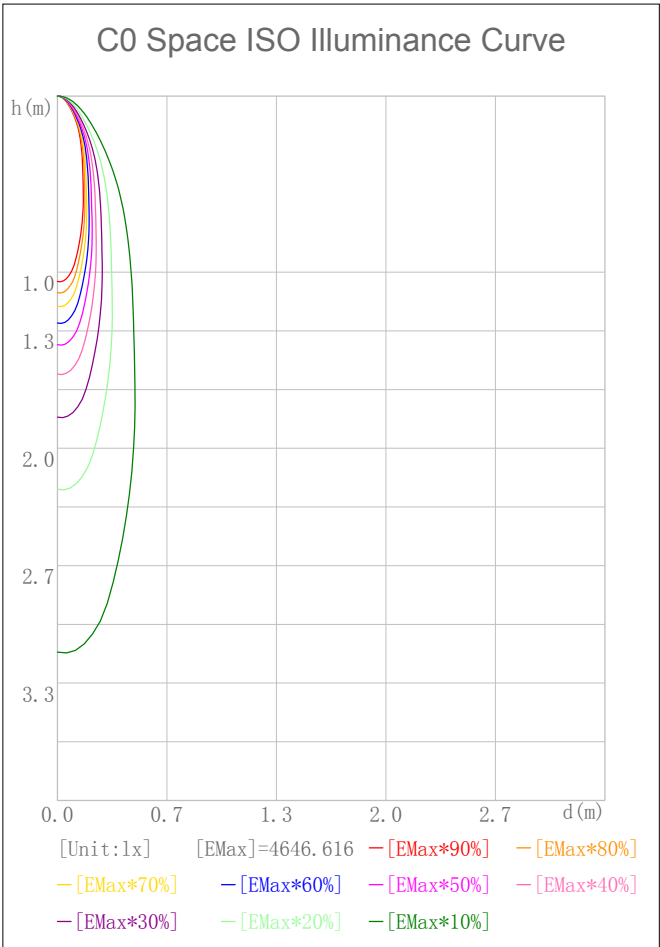
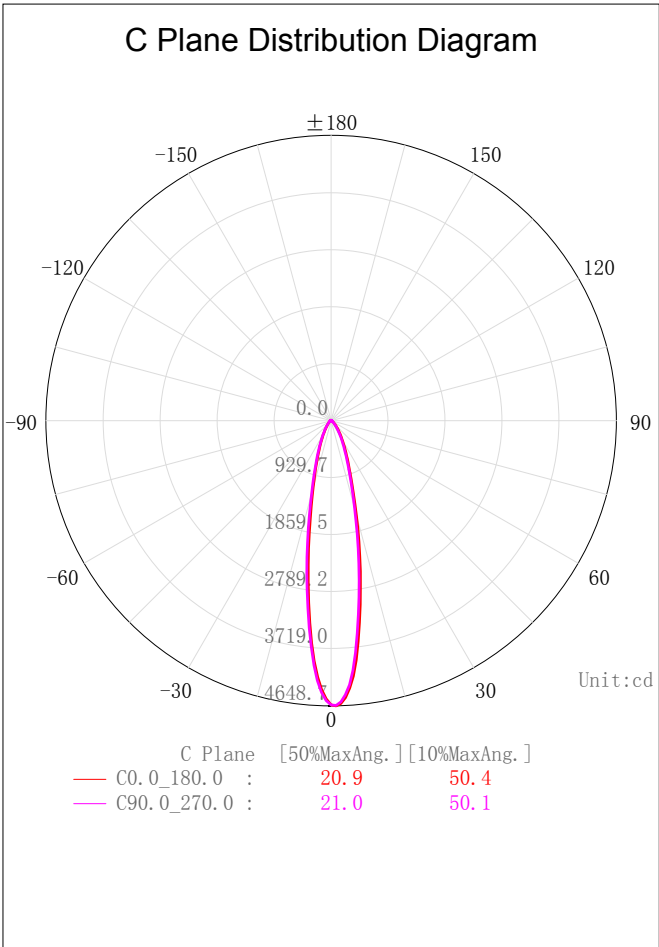
Indoor Luminaire Photometric Data

Description Information

Luminary Name: MD10-13-XX-03 4000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2019/12/23
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*0.650m	Lum. Area (m2):0.035	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

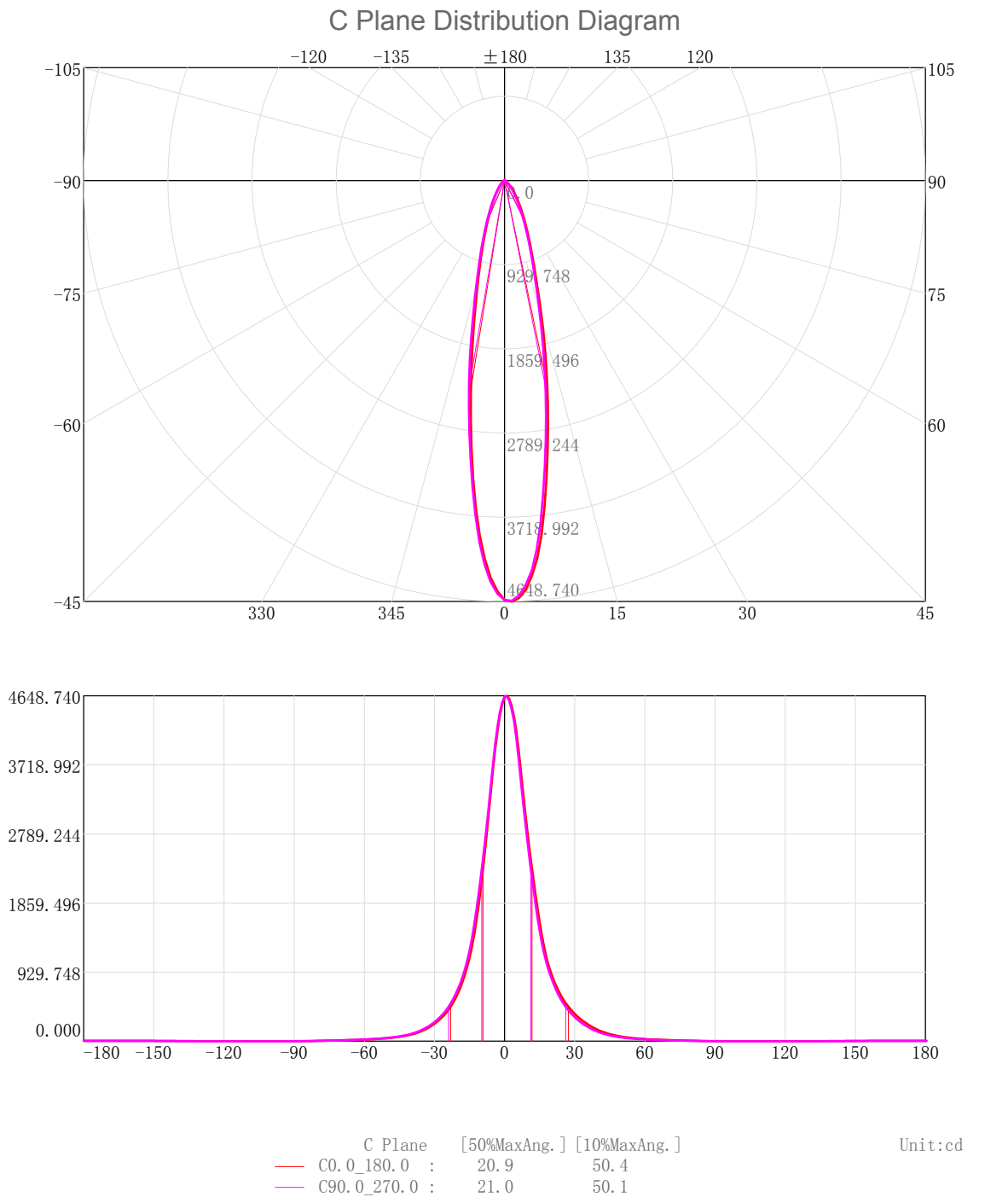
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1177.950	Luminary Flux(lm): 1177.950	Field Angle(10%Imax): 50.4(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1170.291lm 99.35%
Rated Voltage(V):	Luminary EER(lm/W): 94.843	Up Lumens&Percent: 7.658lm 0.65%
Tested Power(W): 12.420	Max. Candela(cd): 4648.740	S/MH: C0_a180=0.355 C90_270=0.356
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):240.2, 0.054	Beam Angle(50%Imax): 20.9(°)	ErP Φ use(90°): 1068.426lm
Lamp Size (W*L*H):0.050m*0.050m*0.650m	Left=-9.2°, Right=11.7°	IRF(%): 804.960



2D Plane Light Intensity Distribution Curve

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23



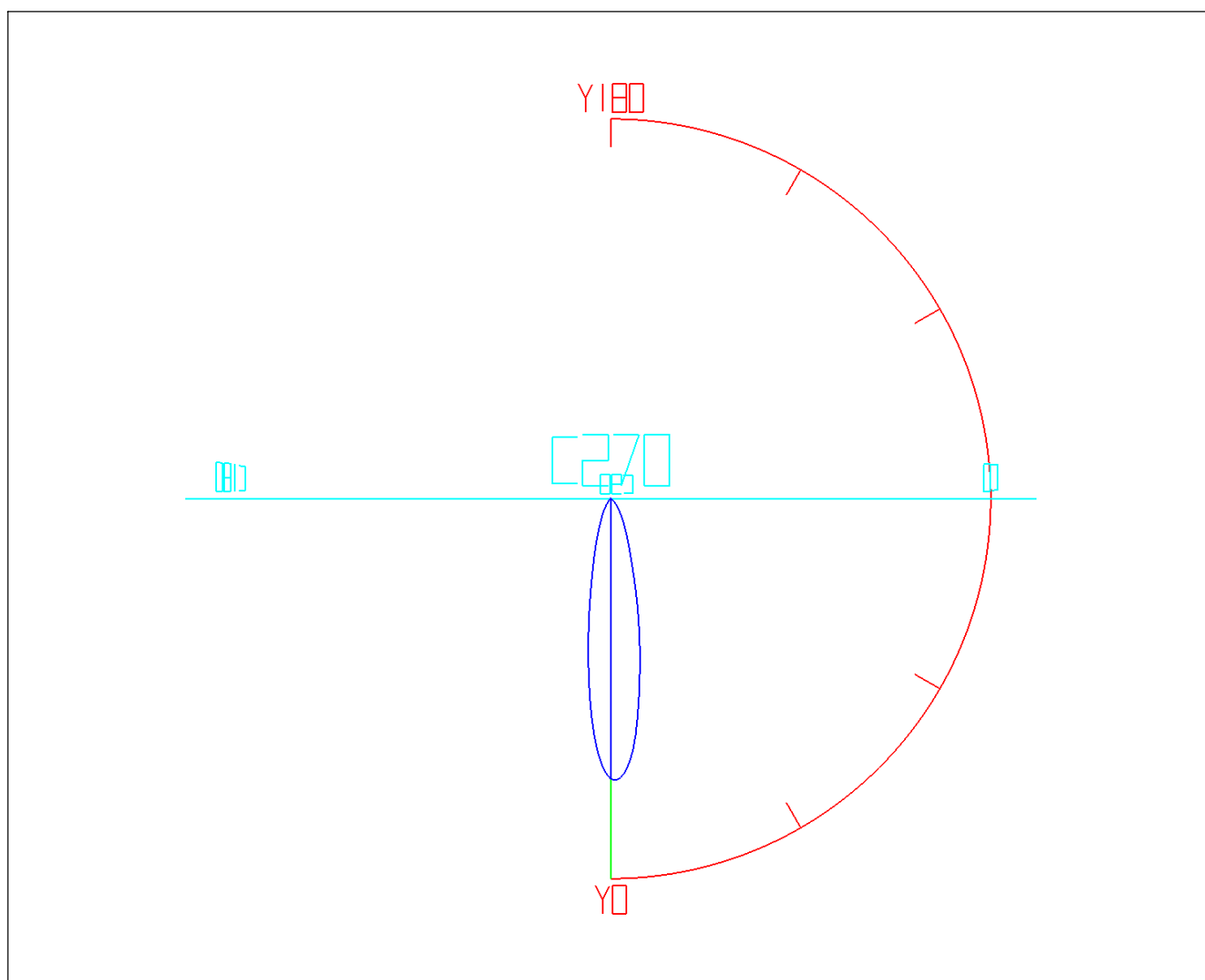
IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

3D Light Intensity Distribution Modal

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

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

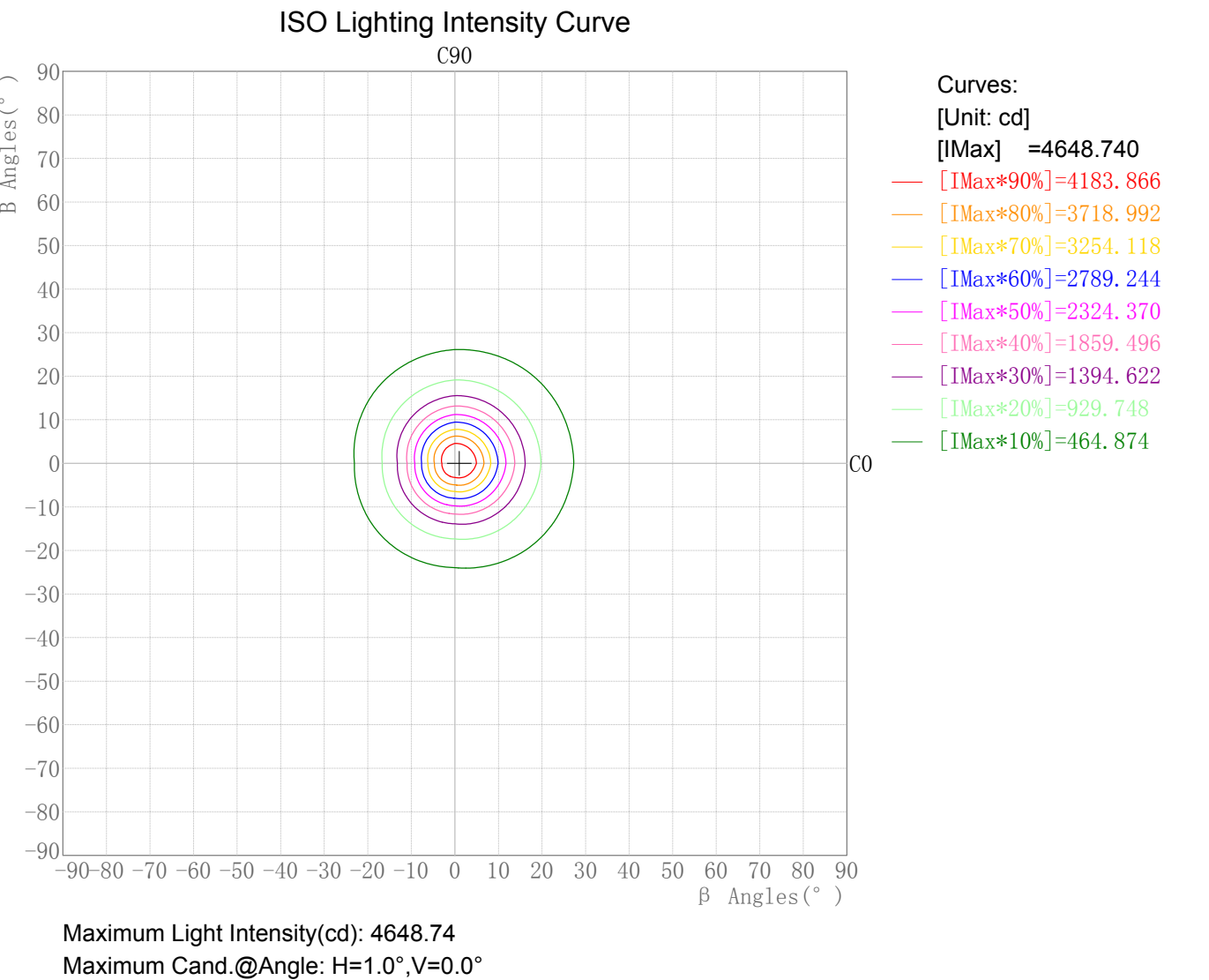
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	4.42	4.42	0.37	0.37	47.0-48.0	4.95	1097.18	0.42	93.14
1.0-2.0	13.06	17.48	1.11	1.48	48.0-49.0	4.64	1101.83	0.39	93.54
2.0-3.0	21.18	38.66	1.80	3.28	49.0-50.0	4.36	1106.19	0.37	93.91
3.0-4.0	28.47	67.13	2.42	5.70	50.0-51.0	4.10	1110.29	0.35	94.26
4.0-5.0	34.64	101.77	2.94	8.64	51.0-52.0	3.87	1114.16	0.33	94.58
5.0-6.0	39.45	141.22	3.35	11.99	52.0-53.0	3.65	1117.81	0.31	94.89
6.0-7.0	42.86	184.08	3.64	15.63	53.0-54.0	3.45	1121.26	0.29	95.19
7.0-8.0	45.05	229.13	3.82	19.45	54.0-55.0	3.26	1124.52	0.28	95.46
8.0-9.0	46.26	275.39	3.93	23.38	55.0-56.0	3.09	1127.61	0.26	95.73
9.0-10.0	46.63	322.02	3.96	27.34	56.0-57.0	2.93	1130.54	0.25	95.97
10.0-11.0	46.23	368.26	3.92	31.26	57.0-58.0	2.77	1133.31	0.24	96.21
11.0-12.0	45.16	413.42	3.83	35.10	58.0-59.0	2.63	1135.94	0.22	96.43
12.0-13.0	43.59	457.00	3.70	38.80	59.0-60.0	2.49	1138.43	0.21	96.64
13.0-14.0	41.69	498.70	3.54	42.34	60.0-61.0	2.36	1140.78	0.20	96.84
14.0-15.0	39.63	538.32	3.36	45.70	61.0-62.0	2.23	1143.02	0.19	97.03
15.0-16.0	37.50	575.82	3.18	48.88	62.0-63.0	2.11	1145.13	0.18	97.21
16.0-17.0	35.43	611.25	3.01	51.89	63.0-64.0	2.00	1147.12	0.17	97.38
17.0-18.0	33.47	644.72	2.84	54.73	64.0-65.0	1.89	1149.01	0.16	97.54
18.0-19.0	31.63	676.35	2.69	57.42	65.0-66.0	1.79	1150.80	0.15	97.70
19.0-20.0	29.91	706.26	2.54	59.96	66.0-67.0	1.69	1152.49	0.14	97.84
20.0-21.0	28.28	734.54	2.40	62.36	67.0-68.0	1.60	1154.09	0.14	97.97
21.0-22.0	26.73	761.27	2.27	64.63	68.0-69.0	1.51	1155.60	0.13	98.10
22.0-23.0	25.26	786.53	2.14	66.77	69.0-70.0	1.43	1157.03	0.12	98.22
23.0-24.0	23.86	810.40	2.03	68.80	70.0-71.0	1.35	1158.38	0.11	98.34
24.0-25.0	22.53	832.93	1.91	70.71	71.0-72.0	1.27	1159.65	0.11	98.45
25.0-26.0	21.26	854.18	1.80	72.51	72.0-73.0	1.19	1160.84	0.10	98.55
26.0-27.0	20.05	874.23	1.70	74.22	73.0-74.0	1.11	1161.95	0.09	98.64
27.0-28.0	18.90	893.13	1.60	75.82	74.0-75.0	1.04	1162.99	0.09	98.73
28.0-29.0	17.81	910.94	1.51	77.33	75.0-76.0	0.97	1163.96	0.08	98.81
29.0-30.0	16.75	927.70	1.42	78.76	76.0-77.0	0.90	1164.85	0.08	98.89
30.0-31.0	15.75	943.44	1.34	80.09	77.0-78.0	0.83	1165.68	0.07	98.96
31.0-32.0	14.78	958.23	1.26	81.35	78.0-79.0	0.76	1166.44	0.06	99.02
32.0-33.0	13.86	972.09	1.18	82.52	79.0-80.0	0.69	1167.13	0.06	99.08
33.0-34.0	12.98	985.07	1.10	83.63	80.0-81.0	0.62	1167.75	0.05	99.13
34.0-35.0	12.13	997.20	1.03	84.66	81.0-82.0	0.54	1168.29	0.05	99.18
35.0-36.0	11.32	1008.52	0.96	85.62	82.0-83.0	0.47	1168.76	0.04	99.22
36.0-37.0	10.55	1019.07	0.90	86.51	83.0-84.0	0.39	1169.15	0.03	99.25
37.0-38.0	9.83	1028.90	0.83	87.35	84.0-85.0	0.32	1169.47	0.03	99.28
38.0-39.0	9.16	1038.06	0.78	88.12	85.0-86.0	0.25	1169.73	0.02	99.30
39.0-40.0	8.53	1046.59	0.72	88.85	86.0-87.0	0.20	1169.93	0.02	99.32
40.0-41.0	7.95	1054.54	0.67	89.52	87.0-88.0	0.15	1170.08	0.01	99.33
41.0-42.0	7.40	1061.94	0.63	90.15	88.0-89.0	0.12	1170.19	0.01	99.34
42.0-43.0	6.90	1068.84	0.59	90.74	89.0-90.0	0.10	1170.29	0.01	99.35
43.0-44.0	6.45	1075.29	0.55	91.28	90.0-91.0	0.08	1170.38	0.01	99.36
44.0-45.0	6.03	1081.32	0.51	91.80	91.0-92.0	0.07	1170.45	0.01	99.36
45.0-46.0	5.64	1086.96	0.48	92.28	92.0-93.0	0.06	1170.51	0.01	99.37
46.0-47.0	5.28	1092.24	0.45	92.72	93.0-94.0	0.05	1170.56	0.00	99.37

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	0.04	1170.60	0.00	99.38	141.0-142.0	0.16	1171.91	0.01	99.49
95.0-96.0	0.04	1170.64	0.00	99.38	142.0-143.0	0.17	1172.08	0.01	99.50
96.0-97.0	0.03	1170.67	0.00	99.38	143.0-144.0	0.19	1172.27	0.02	99.52
97.0-98.0	0.02	1170.69	0.00	99.38	144.0-145.0	0.20	1172.46	0.02	99.53
98.0-99.0	0.02	1170.71	0.00	99.39	145.0-146.0	0.21	1172.67	0.02	99.55
99.0-100.0	0.01	1170.72	0.00	99.39	146.0-147.0	0.21	1172.88	0.02	99.57
100.0-101.0	0.01	1170.73	0.00	99.39	147.0-148.0	0.22	1173.11	0.02	99.59
101.0-102.0	0.01	1170.74	0.00	99.39	148.0-149.0	0.23	1173.33	0.02	99.61
102.0-103.0	0.00	1170.74	0.00	99.39	149.0-150.0	0.23	1173.56	0.02	99.63
103.0-104.0	0.00	1170.75	0.00	99.39	150.0-151.0	0.23	1173.79	0.02	99.65
104.0-105.0	0.00	1170.75	0.00	99.39	151.0-152.0	0.23	1174.03	0.02	99.67
105.0-106.0	0.00	1170.75	0.00	99.39	152.0-153.0	0.23	1174.26	0.02	99.69
106.0-107.0	0.00	1170.75	0.00	99.39	153.0-154.0	0.23	1174.50	0.02	99.71
107.0-108.0	0.00	1170.75	0.00	99.39	154.0-155.0	0.23	1174.73	0.02	99.73
108.0-109.0	0.00	1170.75	0.00	99.39	155.0-156.0	0.23	1174.95	0.02	99.75
109.0-110.0	0.00	1170.75	0.00	99.39	156.0-157.0	0.22	1175.18	0.02	99.76
110.0-111.0	0.00	1170.75	0.00	99.39	157.0-158.0	0.22	1175.40	0.02	99.78
111.0-112.0	0.00	1170.75	0.00	99.39	158.0-159.0	0.21	1175.61	0.02	99.80
112.0-113.0	0.00	1170.75	0.00	99.39	159.0-160.0	0.21	1175.81	0.02	99.82
113.0-114.0	0.00	1170.75	0.00	99.39	160.0-161.0	0.20	1176.01	0.02	99.84
114.0-115.0	0.00	1170.75	0.00	99.39	161.0-162.0	0.19	1176.21	0.02	99.85
115.0-116.0	0.00	1170.75	0.00	99.39	162.0-163.0	0.18	1176.39	0.02	99.87
116.0-117.0	0.00	1170.75	0.00	99.39	163.0-164.0	0.17	1176.56	0.01	99.88
117.0-118.0	0.00	1170.75	0.00	99.39	164.0-165.0	0.16	1176.73	0.01	99.90
118.0-119.0	0.00	1170.75	0.00	99.39	165.0-166.0	0.16	1176.88	0.01	99.91
119.0-120.0	0.00	1170.75	0.00	99.39	166.0-167.0	0.15	1177.03	0.01	99.92
120.0-121.0	0.00	1170.75	0.00	99.39	167.0-168.0	0.14	1177.17	0.01	99.93
121.0-122.0	0.00	1170.75	0.00	99.39	168.0-169.0	0.12	1177.29	0.01	99.94
122.0-123.0	0.00	1170.75	0.00	99.39	169.0-170.0	0.11	1177.41	0.01	99.95
123.0-124.0	0.00	1170.75	0.00	99.39	170.0-171.0	0.10	1177.51	0.01	99.96
124.0-125.0	0.00	1170.76	0.00	99.39	171.0-172.0	0.09	1177.60	0.01	99.97
125.0-126.0	0.01	1170.76	0.00	99.39	172.0-173.0	0.08	1177.68	0.01	99.98
126.0-127.0	0.01	1170.77	0.00	99.39	173.0-174.0	0.07	1177.75	0.01	99.98
127.0-128.0	0.01	1170.78	0.00	99.39	174.0-175.0	0.06	1177.81	0.01	99.99
128.0-129.0	0.02	1170.80	0.00	99.39	175.0-176.0	0.05	1177.86	0.00	99.99
129.0-130.0	0.02	1170.82	0.00	99.39	176.0-177.0	0.04	1177.90	0.00	100.00
130.0-131.0	0.03	1170.85	0.00	99.40	177.0-178.0	0.03	1177.93	0.00	100.00
131.0-132.0	0.03	1170.88	0.00	99.40	178.0-179.0	0.02	1177.94	0.00	100.00
132.0-133.0	0.04	1170.92	0.00	99.40	179.0-180.0	0.01	1177.95	0.00	100.00
133.0-134.0	0.05	1170.98	0.00	99.41					
134.0-135.0	0.07	1171.05	0.01	99.41					
135.0-136.0	0.08	1171.13	0.01	99.42					
136.0-137.0	0.10	1171.23	0.01	99.43					
137.0-138.0	0.11	1171.34	0.01	99.44					
138.0-139.0	0.12	1171.46	0.01	99.45					
139.0-140.0	0.14	1171.60	0.01	99.46					
140.0-141.0	0.15	1171.75	0.01	99.47					

Rectangle ISO Lighting Intensity Diagram

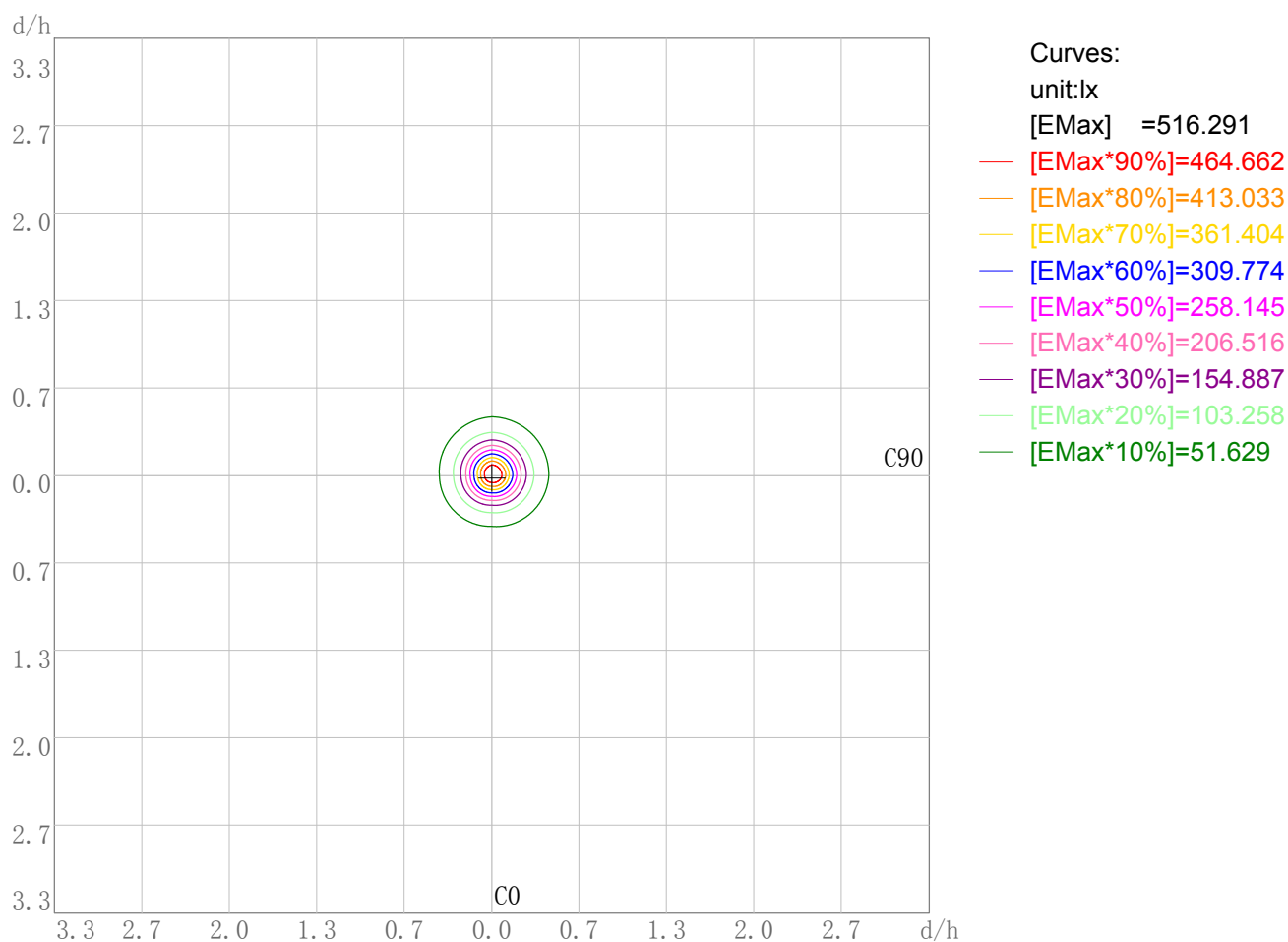
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Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/23



Plane ISO-Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 516.29

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

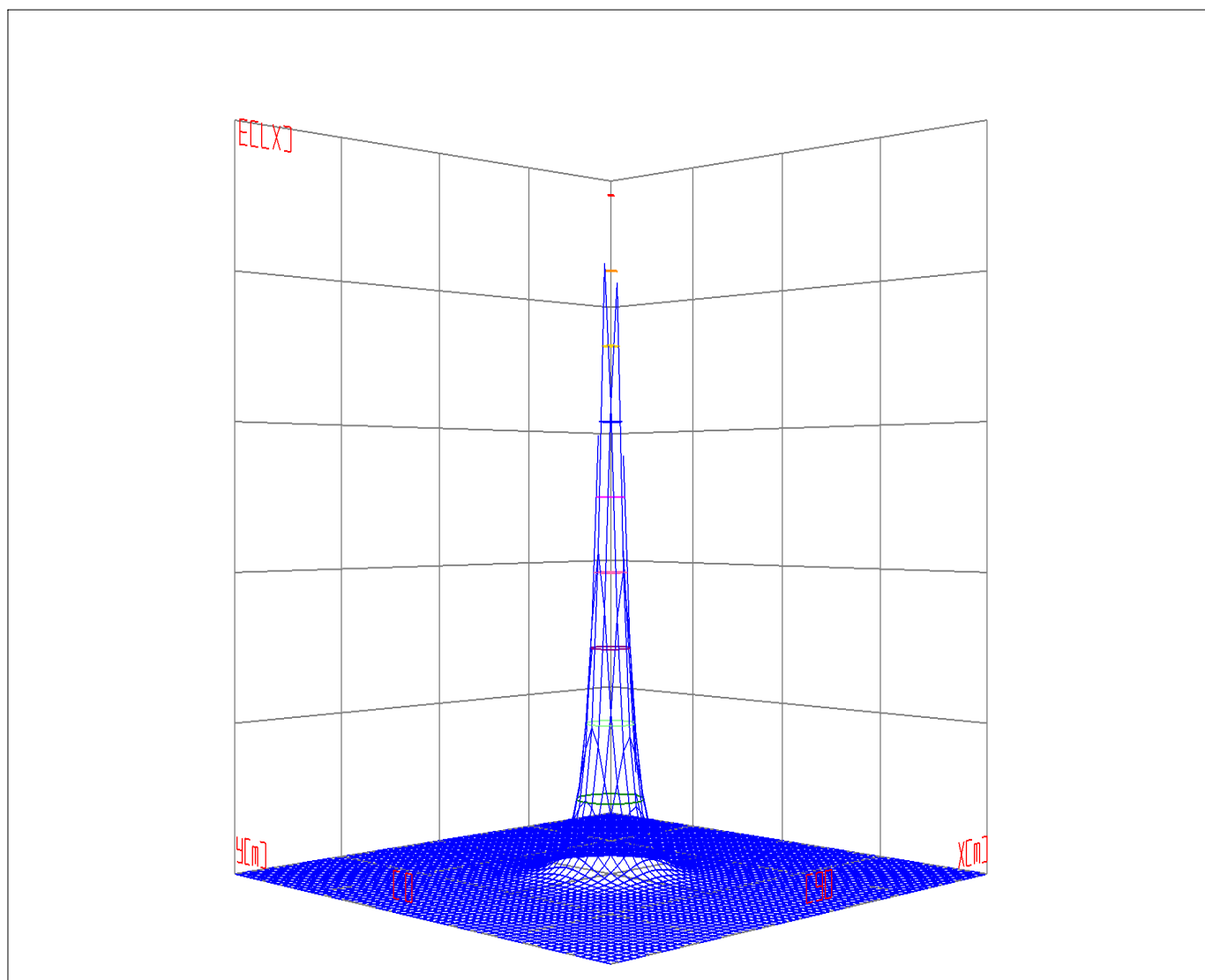
IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

3D Plane Illuminance Modal

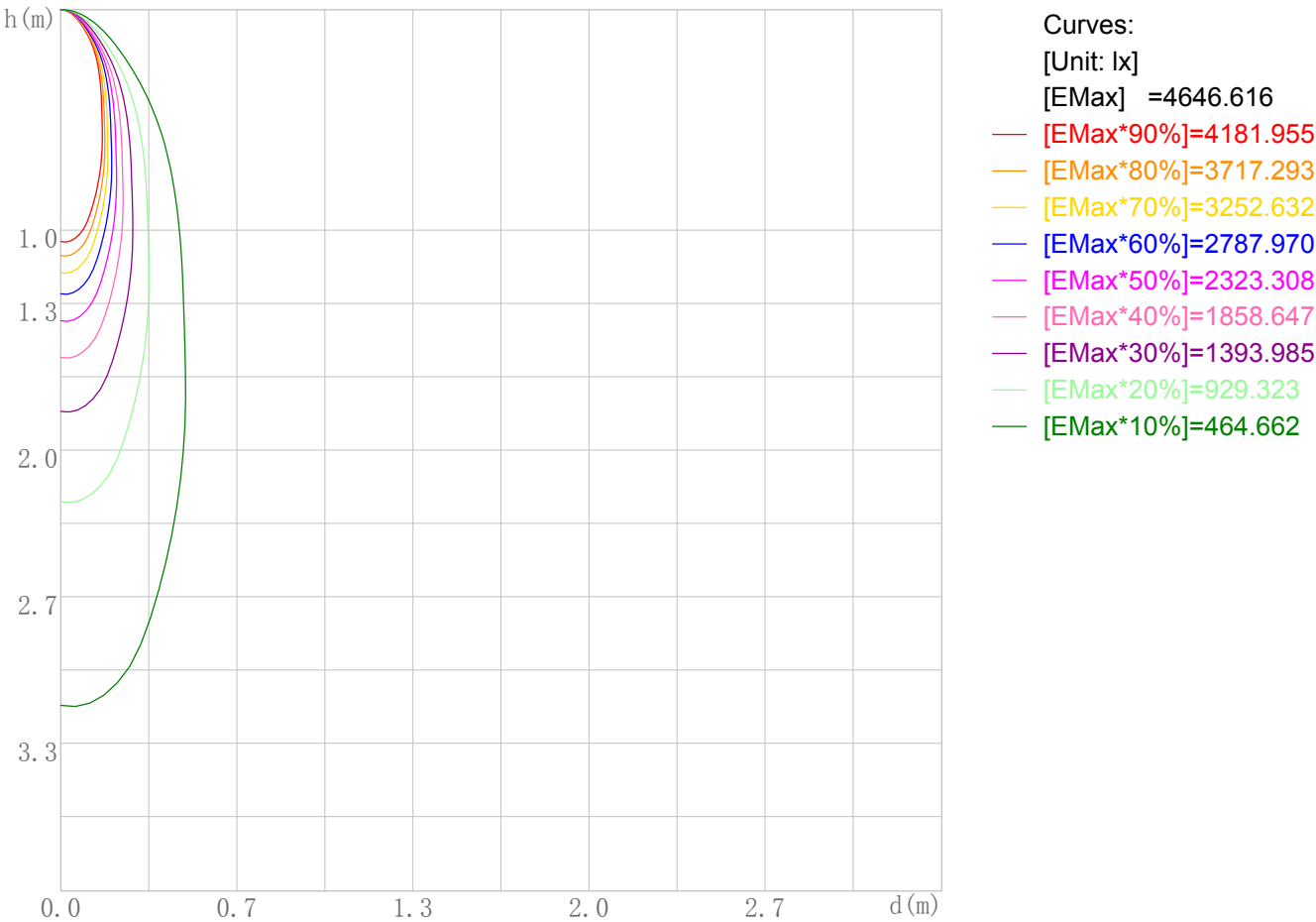


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:4646.62lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:4648.740cd,0deg

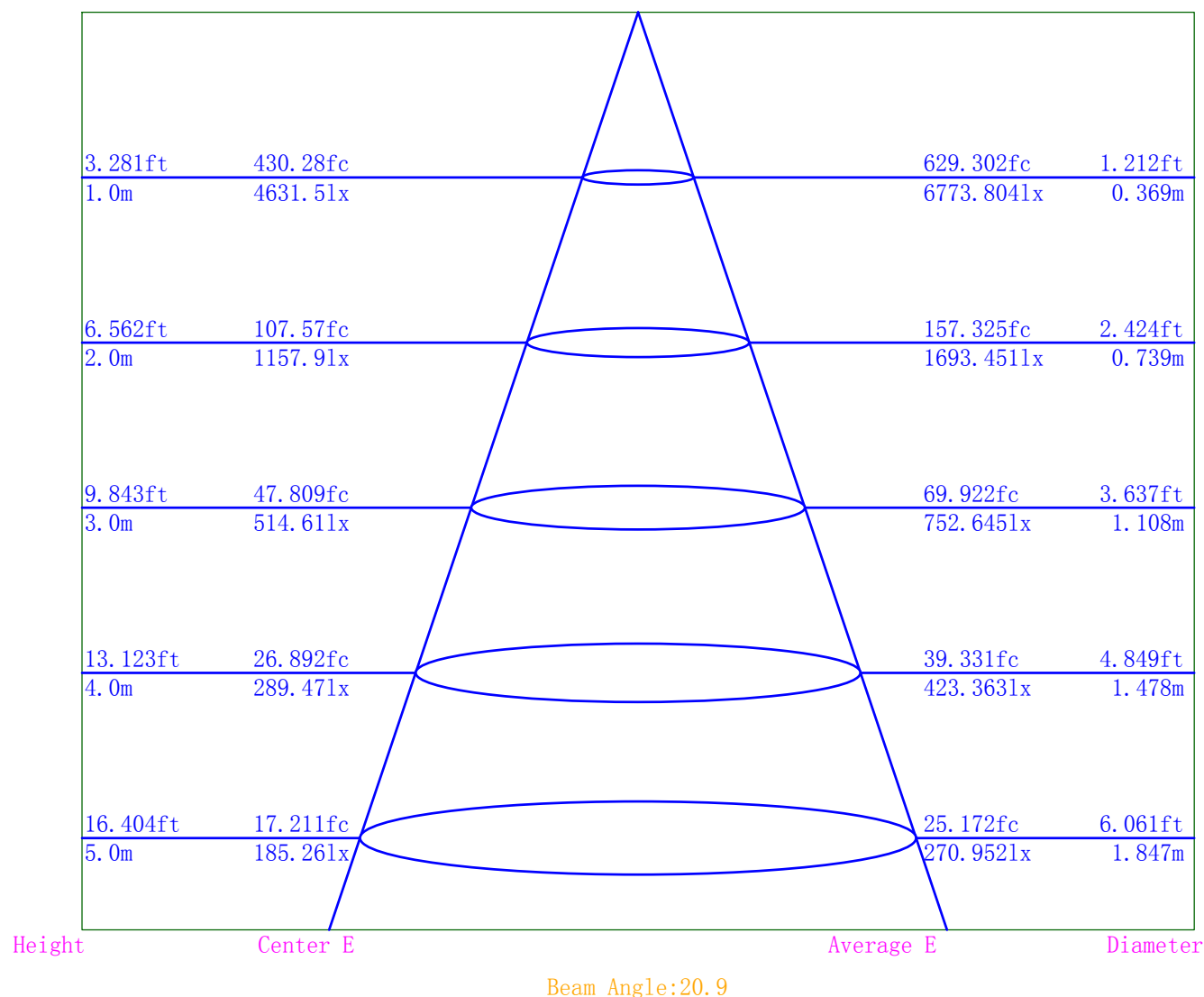
IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

Illuminance-Distance Diagram

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

Illuminance-Distance Curve



IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

Indoor Luminance Limiting Curves

Lum. Name: MD10-13-XX-03 4000K RA90 15D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality peatment
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/12/23

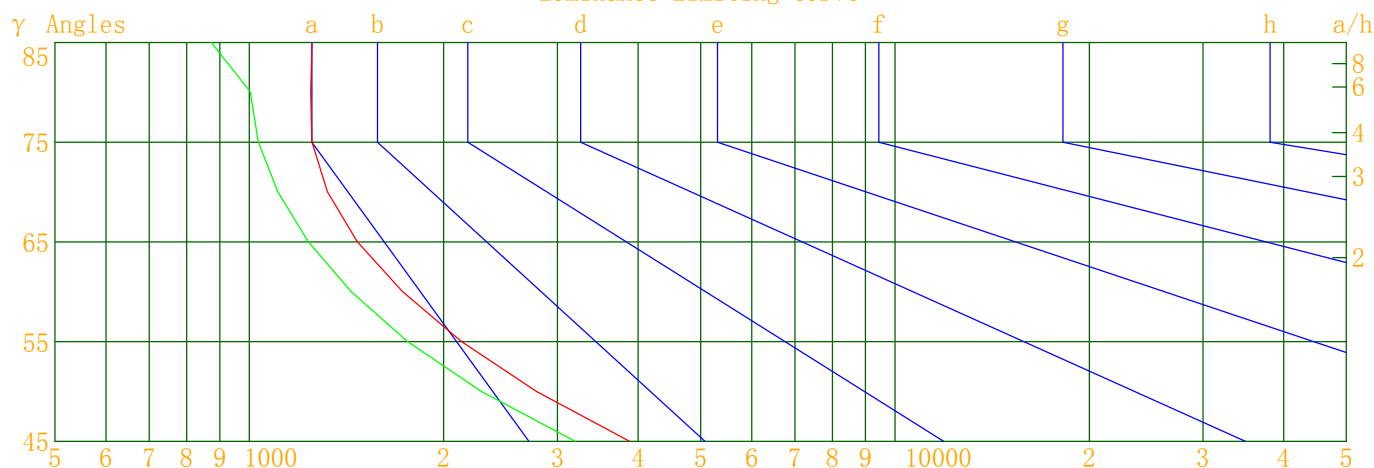
Glare Grade Table

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	3881	2784	2130	1726	1469	1321	1250	1245	1250
C90	3198	2288	1757	1438	1234	1107	1032	1003	873

Luminance Limiting Curve



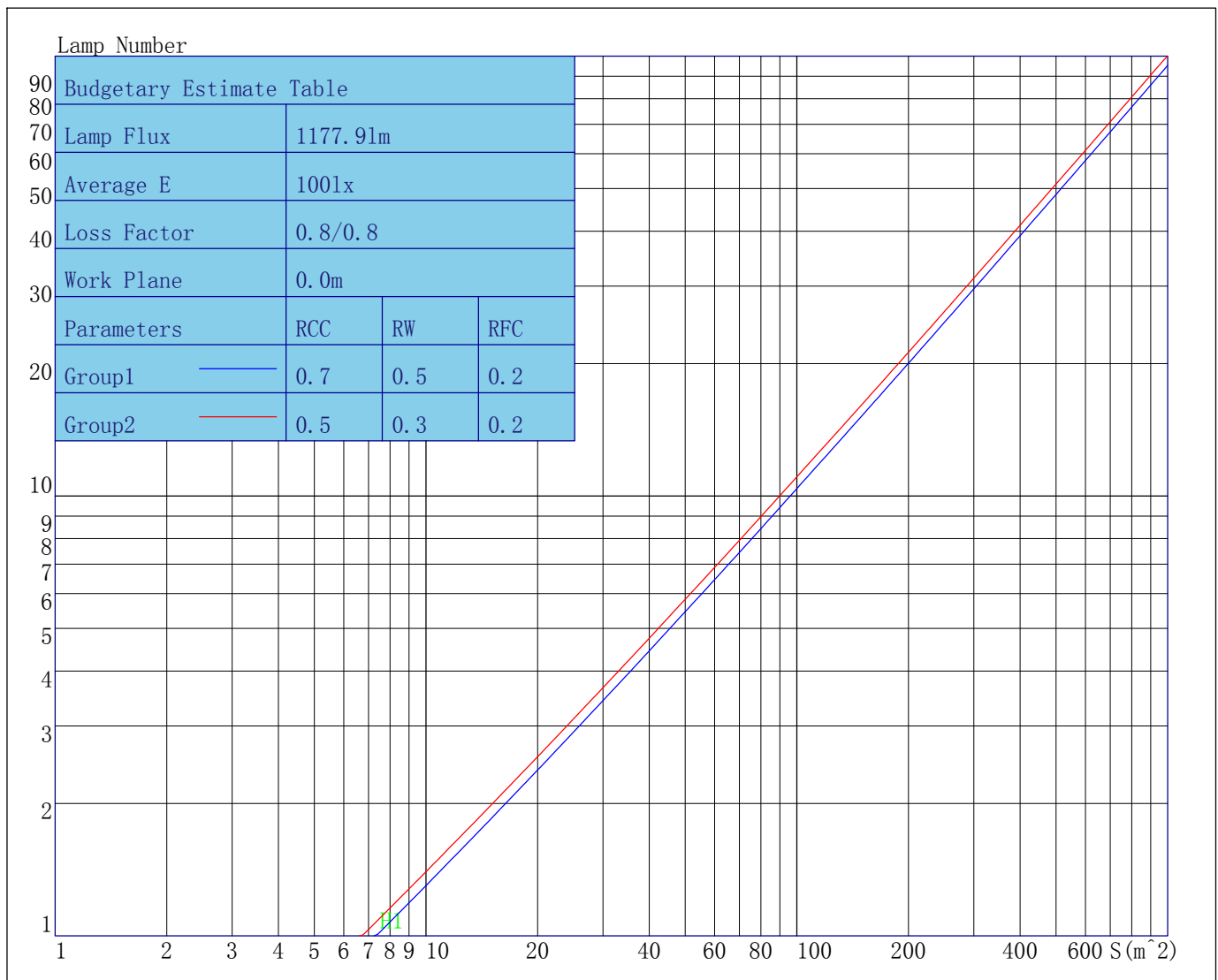
Luminous Size: Length(m)=0.050 Width(m)=0.050 Height(m)=0.650 Area(m^2)=0.035000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

Indoor Budgetary Estimate Table

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23



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-XX-03 4000K RA90 15D.IES

Indoor Coefficient of Utilization Table

Lum. Name: MD10-13-XX-03 4000K 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: 2019/12/23

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	111	109	107	111	109	107	105	105	103	102	101	100	98	97	96	95	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	89	87	85	83
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75
6	92	84	79	75	91	83	78	75	82	78	74	80	77	74	79	76	73	72
7	88	80	75	72	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64
10	80	71	67	63	79	71	66	63	70	66	63	69	66	63	69	65	63	61

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	4631.53	4631.53	4631.53	4631.53
γ 1.0	4648.74	4639.65	4534.55	4561.15
γ 2.0	4610.98	4584.28	4387.83	4431.82
γ 3.0	4517.20	4472.25	4182.84	4241.55
γ 4.0	4368.94	4314.10	3928.10	3997.18
γ 5.0	4177.37	4086.15	3633.88	3700.53
γ 6.0	3920.11	3802.98	3313.98	3393.98
γ 7.0	3623.49	3492.78	2991.52	3083.74
γ 8.0	3323.80	3192.03	2676.51	2793.46
γ 9.0	3034.06	2911.67	2382.92	2517.24
γ 10.0	2762.36	2639.80	2107.76	2256.80
γ 11.0	2501.69	2376.82	1855.77	2006.26
γ 12.0	2255.74	2129.59	1628.96	1770.69
γ 13.0	2023.74	1895.65	1428.72	1557.62
γ 14.0	1805.76	1680.85	1263.45	1373.05
γ 15.0	1601.50	1486.71	1121.71	1212.48
γ 16.0	1417.25	1315.97	1002.12	1079.54
γ 17.0	1254.78	1170.67	895.73	964.38
γ 18.0	1117.67	1048.98	802.03	864.86
γ 19.0	1003.00	942.84	717.10	776.03
γ 20.0	905.20	850.71	642.94	698.24
γ 21.0	821.06	768.64	576.86	627.77
γ 22.0	746.93	694.92	519.27	565.81
γ 23.0	680.85	629.22	468.15	510.87
γ 24.0	621.02	570.48	423.42	461.97
γ 25.0	568.23	517.51	382.70	417.96
γ 26.0	520.44	470.08	346.58	378.40
γ 27.0	476.70	428.51	314.25	342.77
γ 28.0	437.74	390.44	285.09	311.04
γ 29.0	401.07	355.90	258.83	282.39
γ 30.0	368.94	324.39	234.49	256.20
γ 31.0	338.80	295.70	212.55	232.51
γ 32.0	311.14	269.85	192.63	210.96
γ 33.0	285.72	245.67	174.60	191.61
γ 34.0	262.00	223.63	157.97	173.98
γ 35.0	239.82	203.46	143.20	158.09
γ 36.0	219.24	184.92	129.84	143.69
γ 37.0	200.22	168.00	117.78	130.78
γ 38.0	182.67	152.73	106.97	119.06
γ 39.0	166.61	138.80	97.51	108.61
γ 40.0	151.81	126.17	89.48	99.19
γ 41.0	138.40	114.71	82.25	90.79
γ 42.0	126.04	104.25	75.56	83.25
γ 43.0	114.91	95.01	69.68	76.76
γ 44.0	104.87	86.58	64.35	71.09
γ 45.0	96.05	79.14	59.54	65.64
γ 46.0	87.87	72.26	55.32	60.87

IES Indoor Report

Photometric Filename:MD10-13-XX-03 4000K RA90 15D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	80.54	66.15	51.40	56.53
γ 48.0	74.05	60.68	47.78	52.54
γ 49.0	67.88	55.89	44.58	48.85
γ 50.0	62.63	51.47	41.69	45.52
γ 51.0	57.86	47.54	38.89	42.46
γ 52.0	53.55	44.03	36.48	39.68
γ 53.0	49.55	40.84	34.32	37.12
γ 54.0	45.99	37.86	32.29	34.89
γ 55.0	42.76	35.28	30.28	32.87
γ 56.0	39.98	32.96	28.37	31.01
γ 57.0	37.28	30.78	26.61	29.20
γ 58.0	34.73	28.70	24.99	27.56
γ 59.0	32.41	26.89	23.47	26.05
γ 60.0	30.21	25.16	22.09	24.53
γ 61.0	28.23	23.61	20.81	23.00
γ 62.0	26.38	22.14	19.49	21.60
γ 63.0	24.74	20.73	18.23	20.24
γ 64.0	23.11	19.50	17.19	18.98
γ 65.0	21.73	18.25	16.10	17.86
γ 66.0	20.34	17.09	15.13	16.87
γ 67.0	19.11	16.10	14.13	15.82
γ 68.0	17.92	15.08	13.23	14.97
γ 69.0	16.78	14.16	12.39	14.04
γ 70.0	15.81	13.25	11.61	13.19
γ 71.0	14.78	12.44	10.76	12.38
γ 72.0	13.87	11.64	10.03	11.58
γ 73.0	13.02	10.90	9.35	10.73
γ 74.0	12.12	10.10	8.56	9.96
γ 75.0	11.32	9.35	7.87	9.23
γ 76.0	10.53	8.72	7.28	8.55
γ 77.0	9.69	7.95	6.65	7.91
γ 78.0	9.01	7.31	6.01	7.20
γ 79.0	8.26	6.75	5.50	6.54
γ 80.0	7.57	6.10	4.78	5.90
γ 81.0	6.87	5.49	4.02	5.02
γ 82.0	6.23	4.80	3.38	4.36
γ 83.0	5.33	3.93	2.69	3.73
γ 84.0	4.56	3.18	2.16	3.11
γ 85.0	3.81	2.66	1.63	2.45
γ 86.0	3.17	1.94	1.07	1.91
γ 87.0	2.47	1.49	0.81	1.55
γ 88.0	1.87	0.97	0.51	1.33
γ 89.0	1.61	0.66	0.35	1.20
γ 90.0	1.51	0.60	0.19	1.01
γ 91.0	1.26	0.53	0.19	0.90
γ 92.0	1.17	0.38	0.03	0.85
γ 93.0	1.03	0.26	0.00	0.70

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.97	0.19	0.00	0.59
γ 95.0	0.80	0.11	0.00	0.57
γ 96.0	0.73	0.05	0.00	0.36
γ 97.0	0.63	0.00	0.00	0.29
γ 98.0	0.48	0.00	0.00	0.17
γ 99.0	0.47	0.00	0.00	0.13
γ 100.0	0.40	0.00	0.00	0.10
γ 101.0	0.27	0.00	0.00	0.00
γ 102.0	0.23	0.00	0.00	0.00
γ 103.0	0.13	0.00	0.00	0.00
γ 104.0	0.12	0.00	0.00	0.00
γ 105.0	0.13	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.05
γ 125.0	0.00	0.00	0.00	0.15
γ 126.0	0.00	0.00	0.08	0.27
γ 127.0	0.00	0.00	0.20	0.17
γ 128.0	0.00	0.00	0.32	0.40
γ 129.0	0.00	0.00	0.38	0.46
γ 130.0	0.00	0.00	0.58	0.62
γ 131.0	0.00	0.00	0.77	0.75
γ 132.0	0.08	0.00	0.86	0.90
γ 133.0	0.10	0.09	1.14	1.11
γ 134.0	0.31	0.27	1.22	1.25
γ 135.0	0.51	0.50	1.48	1.55
γ 136.0	0.64	0.66	1.70	1.67
γ 137.0	0.84	0.86	1.97	1.81
γ 138.0	1.00	1.04	2.13	2.14
γ 139.0	1.23	1.21	2.44	2.36
γ 140.0	1.48	1.48	2.60	2.55

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.60	1.68	2.90	2.76
γ 142.0	1.91	1.92	3.13	3.04
γ 143.0	2.15	2.18	3.37	3.23
γ 144.0	2.34	2.45	3.60	3.51
γ 145.0	2.58	2.63	3.80	3.73
γ 146.0	2.88	2.88	4.11	3.94
γ 147.0	3.03	3.13	4.22	4.12
γ 148.0	3.35	3.37	4.41	4.32
γ 149.0	3.47	3.55	4.59	4.48
γ 150.0	3.73	3.74	4.78	4.66
γ 151.0	3.87	3.95	5.00	4.84
γ 152.0	4.08	4.12	5.06	4.92
γ 153.0	4.30	4.24	5.10	5.09
γ 154.0	4.48	4.39	5.27	5.25
γ 155.0	4.63	4.55	5.33	5.28
γ 156.0	4.77	4.70	5.48	5.36
γ 157.0	4.88	4.76	5.55	5.41
γ 158.0	5.02	4.86	5.63	5.50
γ 159.0	5.11	5.00	5.64	5.53
γ 160.0	5.22	5.15	5.74	5.58
γ 161.0	5.35	5.17	5.79	5.67
γ 162.0	5.43	5.20	5.85	5.64
γ 163.0	5.52	5.24	5.86	5.71
γ 164.0	5.50	5.31	5.85	5.74
γ 165.0	5.63	5.36	5.91	5.71
γ 166.0	5.67	5.50	5.92	5.72
γ 167.0	5.68	5.57	5.86	5.75
γ 168.0	5.74	5.57	5.83	5.66
γ 169.0	5.79	5.58	5.87	5.70
γ 170.0	5.82	5.62	5.91	5.63
γ 171.0	5.79	5.59	5.85	5.68
γ 172.0	5.77	5.63	5.82	5.59
γ 173.0	5.74	5.60	5.82	5.57
γ 174.0	5.78	5.59	5.73	5.61
γ 175.0	5.77	5.54	5.76	5.64
γ 176.0	5.81	5.56	5.66	5.62
γ 177.0	5.77	5.55	5.73	5.64
γ 178.0	5.77	5.59	5.71	5.62
γ 179.0	5.73	5.57	5.73	5.64
γ 180.0	5.74	5.74	5.74	5.74