

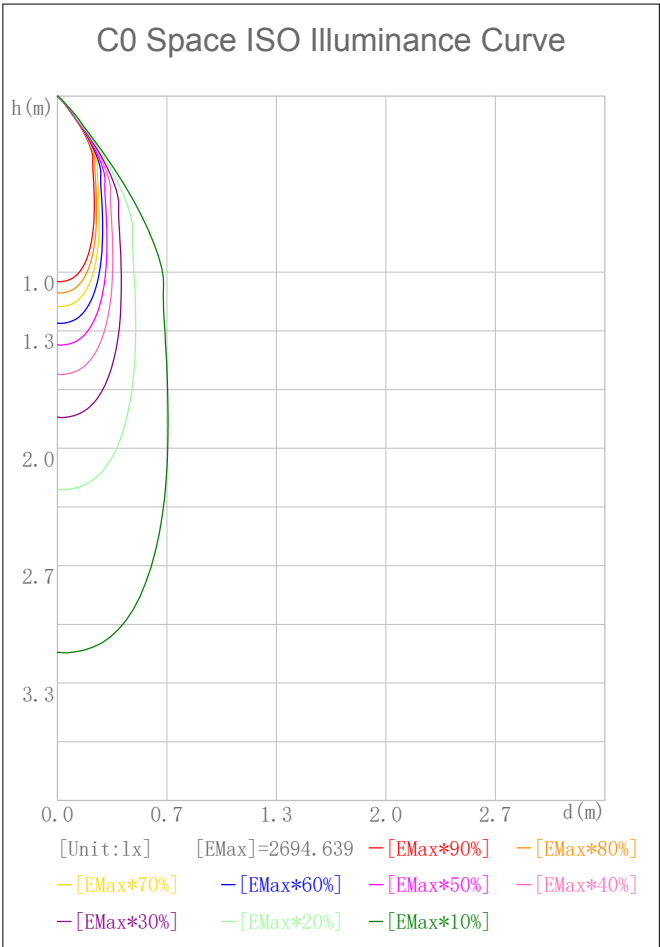
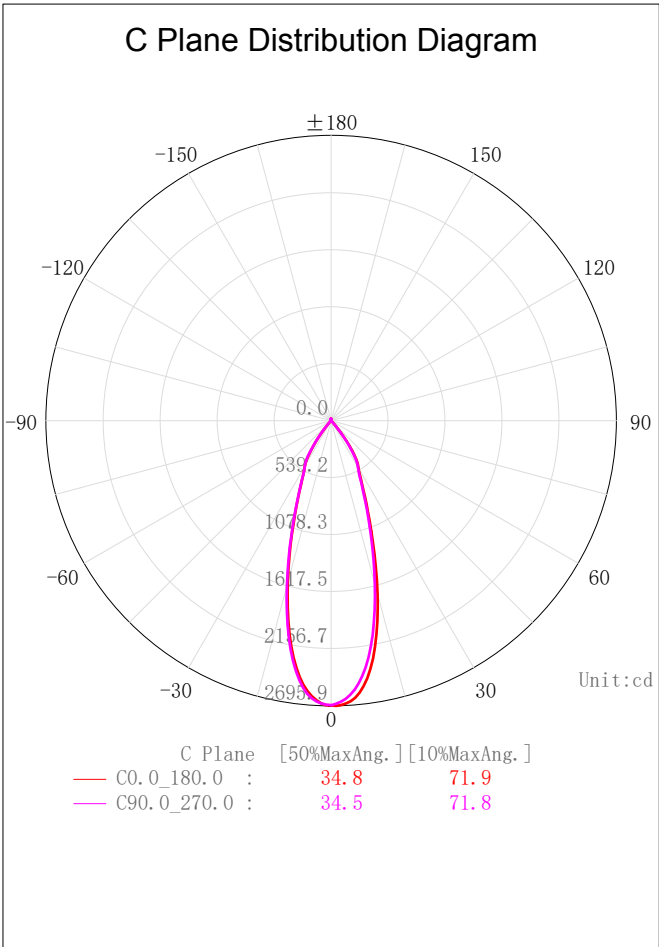
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2018/07/20
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.050m*0.050m*0.000m		Lum. Area (m2):0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

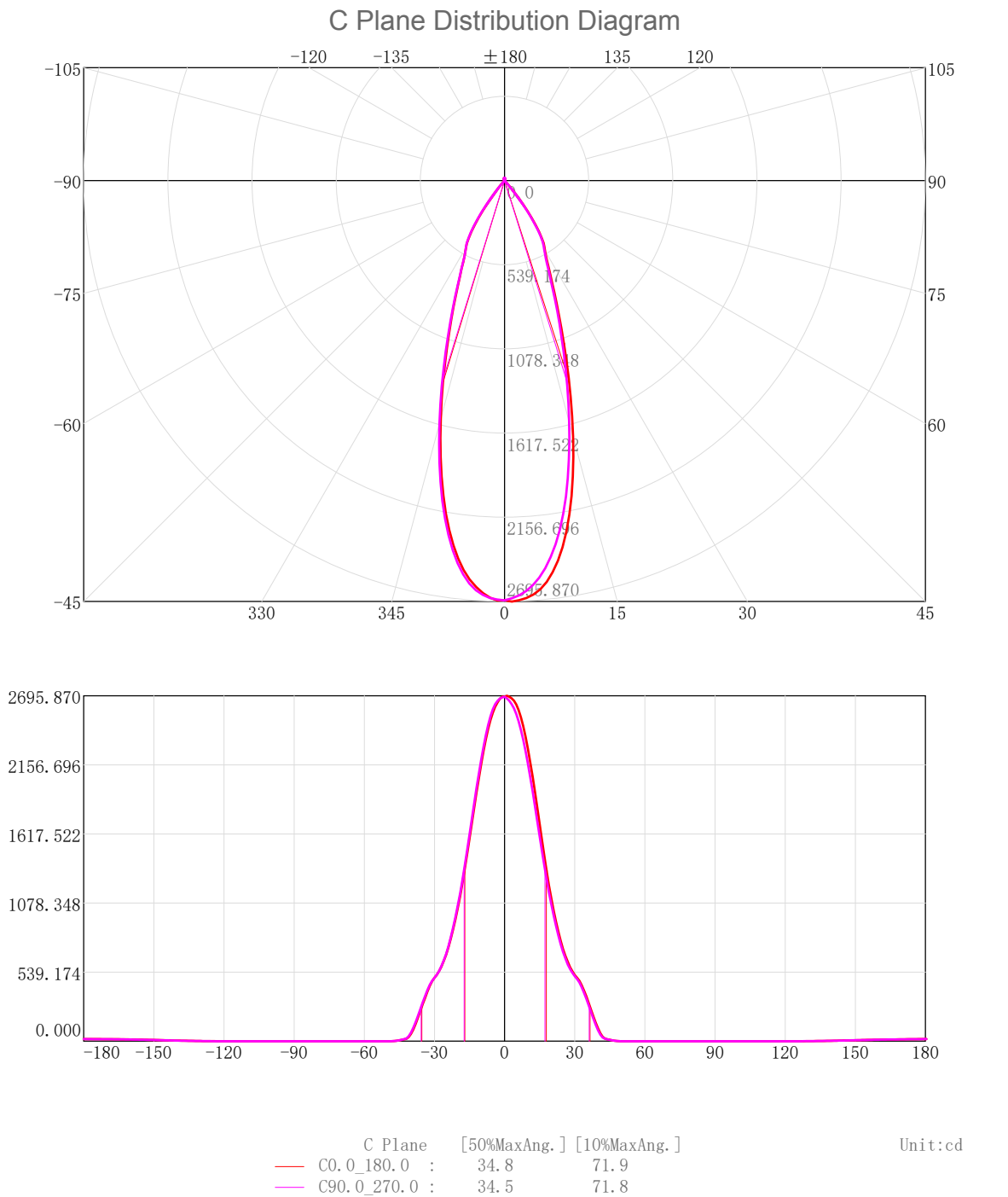
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminary Flux(lm): 1223.792	Field Angle(10%Imax): 71.9(°)	
Rated Power(W):	Luminary Efficiency: 122.38%	Down Lumens&Percent: 1206.492lm 98.59%	
Rated Voltage(V):	Luminary EER(lm/W): 96.286	Up Lumens&Percent: 17.299lm 1.41%	
Tested Power(W): 12.710	Max. Candela(cd): 2695.870	S/MH: C0_a180=0.574 C90_270=0.567	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):220.0, 0.106, 0.544	Beam Angle(50%Imax): 34.8(°)	ErP Φ use(90°): 1196.866lm	
Lamp Size (W*L*H):0.050m*0.050m*0.000m	Left=-17.0°, Right=17.8°	IRF(%): 438.996	



2D Plane Light Intensity Distribution Curve

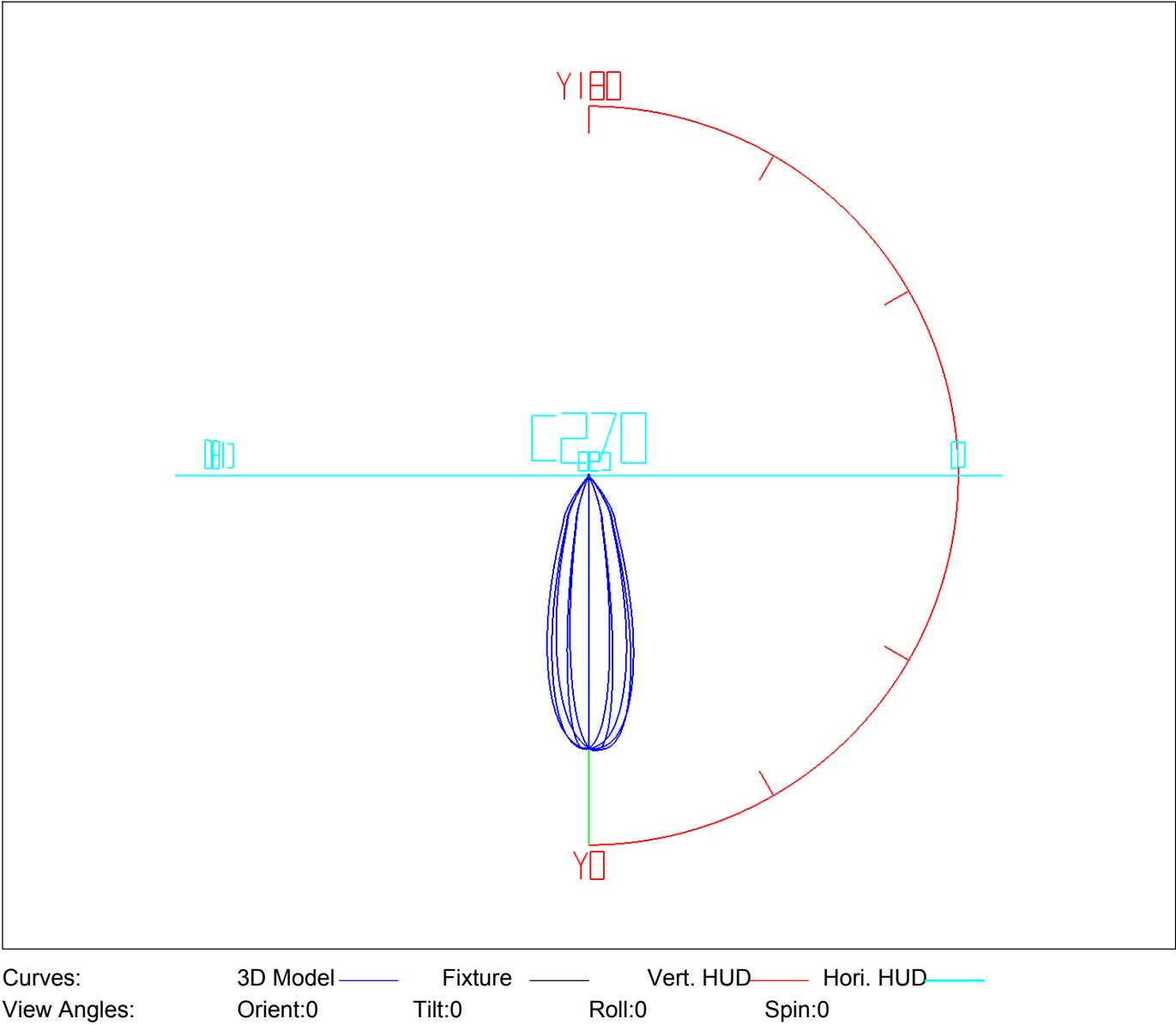
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20

3D Light Intensity Distribution Modal



Zonal Flux Tabulation

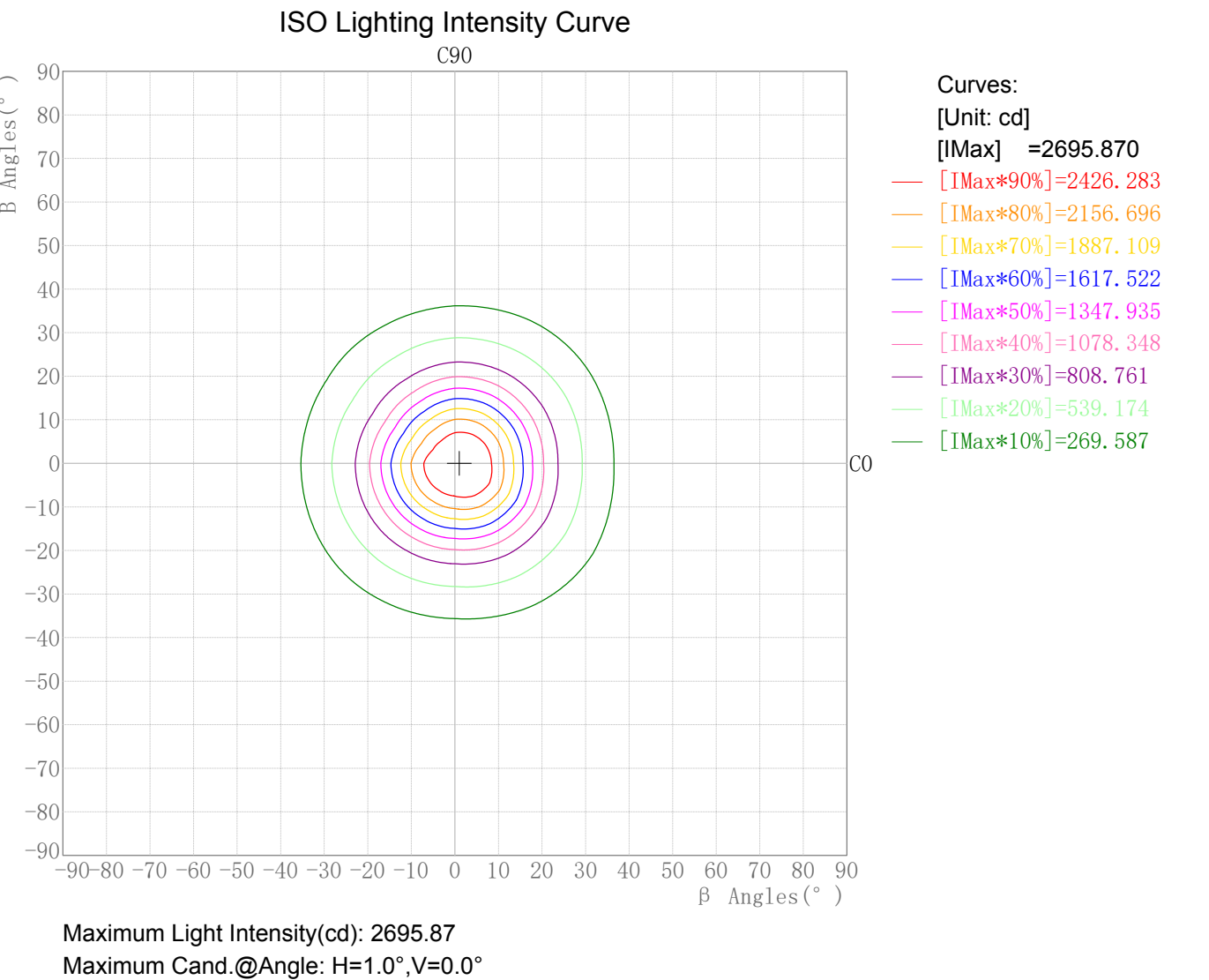
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.57	2.57	0.26	0.26	47.0-48.0	0.20	1206.38	0.02	120.64
1.0-2.0	7.68	10.25	0.77	1.03	48.0-49.0	0.08	1206.47	0.01	120.65
2.0-3.0	12.72	22.97	1.27	2.30	49.0-50.0	0.02	1206.49	0.00	120.65
3.0-4.0	17.63	40.60	1.76	4.06	50.0-51.0	0.00	1206.49	0.00	120.65
4.0-5.0	22.36	62.96	2.24	6.30	51.0-52.0	0.00	1206.49	0.00	120.65
5.0-6.0	26.83	89.79	2.68	8.98	52.0-53.0	0.00	1206.49	0.00	120.65
6.0-7.0	30.96	120.76	3.10	12.08	53.0-54.0	0.00	1206.49	0.00	120.65
7.0-8.0	34.68	155.44	3.47	15.54	54.0-55.0	0.00	1206.49	0.00	120.65
8.0-9.0	37.94	193.38	3.79	19.34	55.0-56.0	0.00	1206.49	0.00	120.65
9.0-10.0	40.69	234.07	4.07	23.41	56.0-57.0	0.00	1206.49	0.00	120.65
10.0-11.0	42.89	276.96	4.29	27.70	57.0-58.0	0.00	1206.49	0.00	120.65
11.0-12.0	44.51	321.47	4.45	32.15	58.0-59.0	0.00	1206.49	0.00	120.65
12.0-13.0	45.57	367.04	4.56	36.70	59.0-60.0	0.00	1206.49	0.00	120.65
13.0-14.0	46.11	413.15	4.61	41.31	60.0-61.0	0.00	1206.49	0.00	120.65
14.0-15.0	46.16	459.31	4.62	45.93	61.0-62.0	0.00	1206.49	0.00	120.65
15.0-16.0	45.78	505.09	4.58	50.51	62.0-63.0	0.00	1206.49	0.00	120.65
16.0-17.0	45.01	550.10	4.50	55.01	63.0-64.0	0.00	1206.49	0.00	120.65
17.0-18.0	43.89	593.99	4.39	59.40	64.0-65.0	0.00	1206.49	0.00	120.65
18.0-19.0	42.51	636.50	4.25	63.65	65.0-66.0	0.00	1206.49	0.00	120.65
19.0-20.0	40.98	677.48	4.10	67.75	66.0-67.0	0.00	1206.49	0.00	120.65
20.0-21.0	39.39	716.87	3.94	71.69	67.0-68.0	0.00	1206.49	0.00	120.65
21.0-22.0	37.80	754.67	3.78	75.47	68.0-69.0	0.00	1206.49	0.00	120.65
22.0-23.0	36.19	790.86	3.62	79.09	69.0-70.0	0.00	1206.49	0.00	120.65
23.0-24.0	34.56	825.42	3.46	82.54	70.0-71.0	0.00	1206.49	0.00	120.65
24.0-25.0	33.01	858.42	3.30	85.84	71.0-72.0	0.00	1206.49	0.00	120.65
25.0-26.0	31.62	890.05	3.16	89.00	72.0-73.0	0.00	1206.49	0.00	120.65
26.0-27.0	30.40	920.44	3.04	92.04	73.0-74.0	0.00	1206.49	0.00	120.65
27.0-28.0	29.33	949.78	2.93	94.98	74.0-75.0	0.00	1206.49	0.00	120.65
28.0-29.0	28.51	978.28	2.85	97.83	75.0-76.0	0.00	1206.49	0.00	120.65
29.0-30.0	27.89	1006.17	2.79	100.62	76.0-77.0	0.00	1206.49	0.00	120.65
30.0-31.0	27.33	1033.50	2.73	103.35	77.0-78.0	0.00	1206.49	0.00	120.65
31.0-32.0	26.56	1060.06	2.66	106.01	78.0-79.0	0.00	1206.49	0.00	120.65
32.0-33.0	25.31	1085.37	2.53	108.54	79.0-80.0	0.00	1206.49	0.00	120.65
33.0-34.0	23.52	1108.89	2.35	110.89	80.0-81.0	0.00	1206.49	0.00	120.65
34.0-35.0	21.24	1130.13	2.12	113.01	81.0-82.0	0.00	1206.49	0.00	120.65
35.0-36.0	18.59	1148.72	1.86	114.87	82.0-83.0	0.00	1206.49	0.00	120.65
36.0-37.0	15.70	1164.42	1.57	116.44	83.0-84.0	0.00	1206.49	0.00	120.65
37.0-38.0	12.72	1177.14	1.27	117.71	84.0-85.0	0.00	1206.49	0.00	120.65
38.0-39.0	9.76	1186.90	0.98	118.69	85.0-86.0	0.00	1206.49	0.00	120.65
39.0-40.0	6.99	1193.89	0.70	119.39	86.0-87.0	0.00	1206.49	0.00	120.65
40.0-41.0	4.62	1198.52	0.46	119.85	87.0-88.0	0.00	1206.49	0.00	120.65
41.0-42.0	2.84	1201.36	0.28	120.14	88.0-89.0	0.00	1206.49	0.00	120.65
42.0-43.0	1.75	1203.11	0.18	120.31	89.0-90.0	0.00	1206.49	0.00	120.65
43.0-44.0	1.20	1204.31	0.12	120.43	90.0-91.0	0.00	1206.49	0.00	120.65
44.0-45.0	0.88	1205.19	0.09	120.52	91.0-92.0	0.00	1206.49	0.00	120.65
45.0-46.0	0.61	1205.80	0.06	120.58	92.0-93.0	0.00	1206.49	0.00	120.65
46.0-47.0	0.38	1206.18	0.04	120.62	93.0-94.0	0.00	1206.49	0.00	120.65

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	0.00	1206.49	0.00	120.65	141.0-142.0	0.35	1209.71	0.04	120.97
95.0-96.0	0.00	1206.49	0.00	120.65	142.0-143.0	0.37	1210.09	0.04	121.01
96.0-97.0	0.00	1206.49	0.00	120.65	143.0-144.0	0.39	1210.48	0.04	121.05
97.0-98.0	0.00	1206.49	0.00	120.65	144.0-145.0	0.41	1210.89	0.04	121.09
98.0-99.0	0.00	1206.49	0.00	120.65	145.0-146.0	0.43	1211.32	0.04	121.13
99.0-100.0	0.00	1206.49	0.00	120.65	146.0-147.0	0.44	1211.76	0.04	121.18
100.0-101.0	0.00	1206.49	0.00	120.65	147.0-148.0	0.46	1212.22	0.05	121.22
101.0-102.0	0.00	1206.49	0.00	120.65	148.0-149.0	0.47	1212.70	0.05	121.27
102.0-103.0	0.00	1206.49	0.00	120.65	149.0-150.0	0.48	1213.18	0.05	121.32
103.0-104.0	0.00	1206.49	0.00	120.65	150.0-151.0	0.50	1213.68	0.05	121.37
104.0-105.0	0.00	1206.49	0.00	120.65	151.0-152.0	0.50	1214.18	0.05	121.42
105.0-106.0	0.00	1206.49	0.00	120.65	152.0-153.0	0.51	1214.69	0.05	121.47
106.0-107.0	0.00	1206.49	0.00	120.65	153.0-154.0	0.51	1215.20	0.05	121.52
107.0-108.0	0.00	1206.49	0.00	120.65	154.0-155.0	0.51	1215.72	0.05	121.57
108.0-109.0	0.00	1206.49	0.00	120.65	155.0-156.0	0.51	1216.23	0.05	121.62
109.0-110.0	0.00	1206.49	0.00	120.65	156.0-157.0	0.51	1216.74	0.05	121.67
110.0-111.0	0.00	1206.49	0.00	120.65	157.0-158.0	0.51	1217.25	0.05	121.72
111.0-112.0	0.00	1206.49	0.00	120.65	158.0-159.0	0.50	1217.74	0.05	121.77
112.0-113.0	0.00	1206.49	0.00	120.65	159.0-160.0	0.49	1218.24	0.05	121.82
113.0-114.0	0.00	1206.49	0.00	120.65	160.0-161.0	0.48	1218.72	0.05	121.87
114.0-115.0	0.00	1206.49	0.00	120.65	161.0-162.0	0.47	1219.18	0.05	121.92
115.0-116.0	0.00	1206.49	0.00	120.65	162.0-163.0	0.45	1219.64	0.05	121.96
116.0-117.0	0.00	1206.49	0.00	120.65	163.0-164.0	0.44	1220.08	0.04	122.01
117.0-118.0	0.00	1206.49	0.00	120.65	164.0-165.0	0.42	1220.50	0.04	122.05
118.0-119.0	0.00	1206.49	0.00	120.65	165.0-166.0	0.40	1220.90	0.04	122.09
119.0-120.0	0.00	1206.49	0.00	120.65	166.0-167.0	0.38	1221.28	0.04	122.13
120.0-121.0	0.00	1206.49	0.00	120.65	167.0-168.0	0.36	1221.63	0.04	122.16
121.0-122.0	0.00	1206.50	0.00	120.65	168.0-169.0	0.33	1221.96	0.03	122.20
122.0-123.0	0.01	1206.50	0.00	120.65	169.0-170.0	0.31	1222.27	0.03	122.23
123.0-124.0	0.02	1206.52	0.00	120.65	170.0-171.0	0.28	1222.55	0.03	122.26
124.0-125.0	0.03	1206.54	0.00	120.65	171.0-172.0	0.25	1222.80	0.03	122.28
125.0-126.0	0.04	1206.58	0.00	120.66	172.0-173.0	0.23	1223.03	0.02	122.30
126.0-127.0	0.05	1206.63	0.01	120.66	173.0-174.0	0.20	1223.23	0.02	122.32
127.0-128.0	0.07	1206.70	0.01	120.67	174.0-175.0	0.17	1223.40	0.02	122.34
128.0-129.0	0.09	1206.79	0.01	120.68	175.0-176.0	0.14	1223.54	0.01	122.35
129.0-130.0	0.10	1206.89	0.01	120.69	176.0-177.0	0.11	1223.65	0.01	122.36
130.0-131.0	0.12	1207.02	0.01	120.70	177.0-178.0	0.08	1223.73	0.01	122.37
131.0-132.0	0.14	1207.16	0.01	120.72	178.0-179.0	0.05	1223.78	0.00	122.38
132.0-133.0	0.16	1207.32	0.02	120.73	179.0-180.0	0.02	1223.79	0.00	122.38
133.0-134.0	0.18	1207.50	0.02	120.75					
134.0-135.0	0.20	1207.70	0.02	120.77					
135.0-136.0	0.22	1207.92	0.02	120.79					
136.0-137.0	0.24	1208.16	0.02	120.82					
137.0-138.0	0.27	1208.43	0.03	120.84					
138.0-139.0	0.29	1208.72	0.03	120.87					
139.0-140.0	0.31	1209.03	0.03	120.90					
140.0-141.0	0.33	1209.36	0.03	120.94					

Rectangle ISO Lighting Intensity Diagram

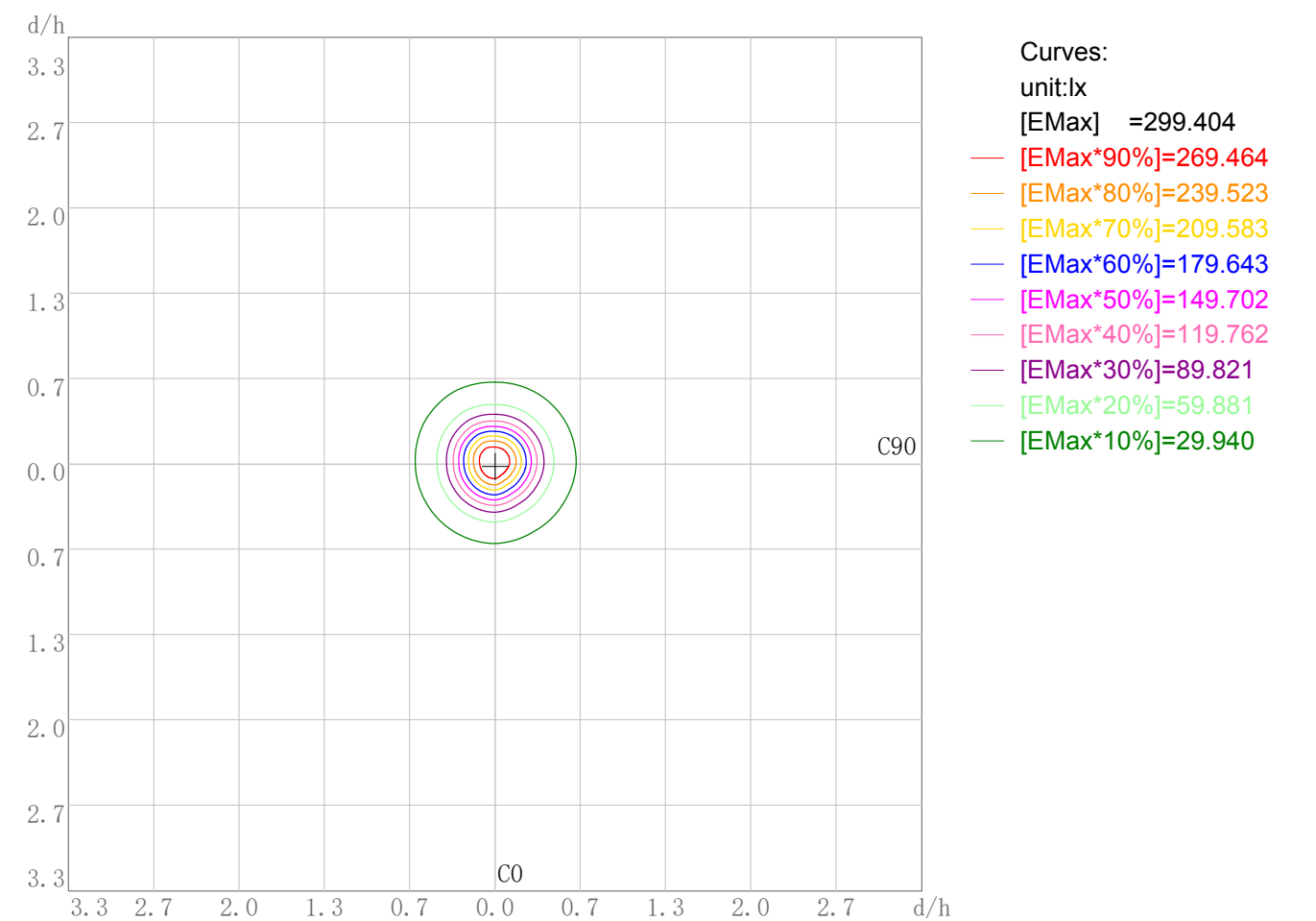
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20

Plane ISO-Illuminance Curve

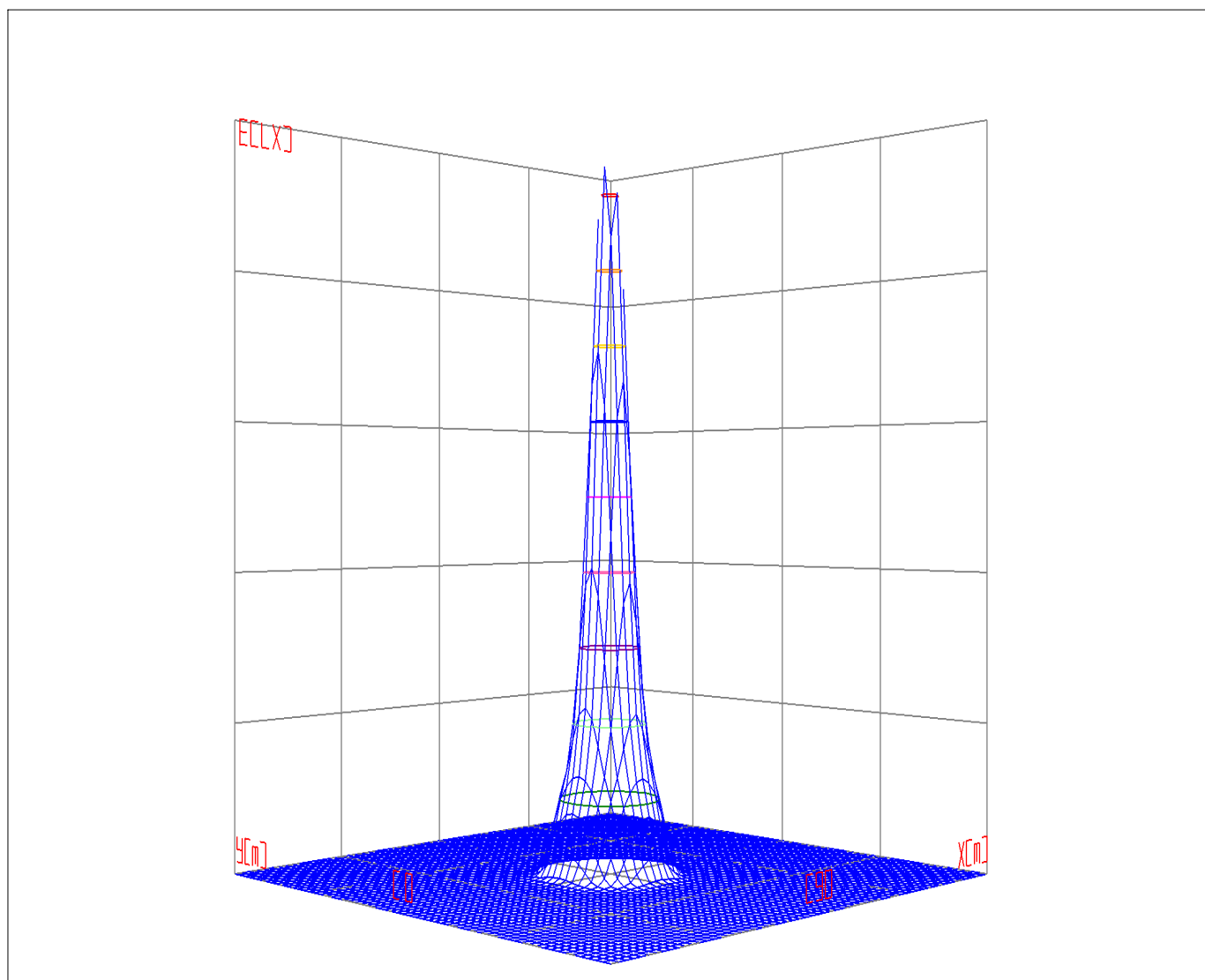


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 299.40
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20

3D Plane Illuminance Modal

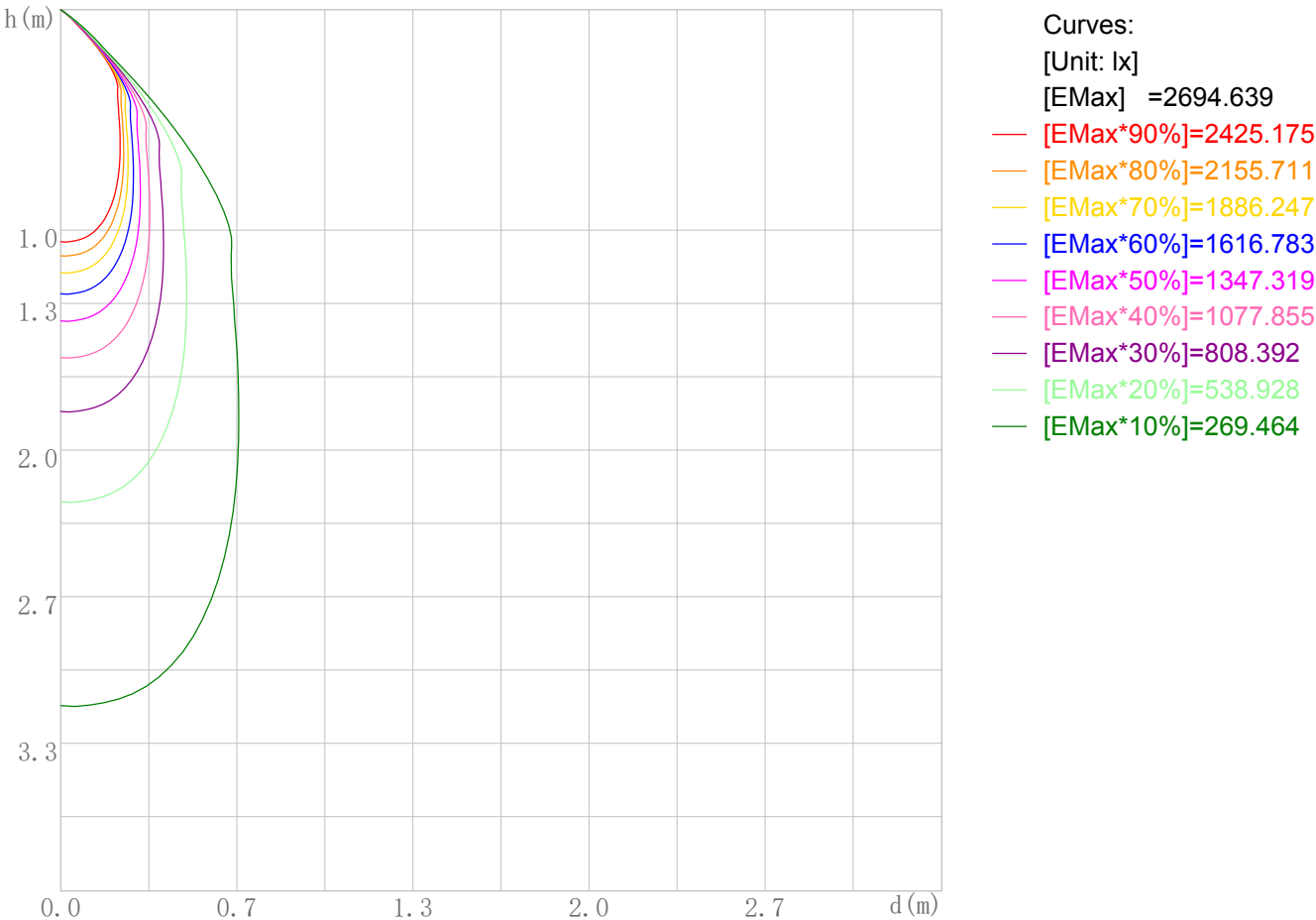


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20

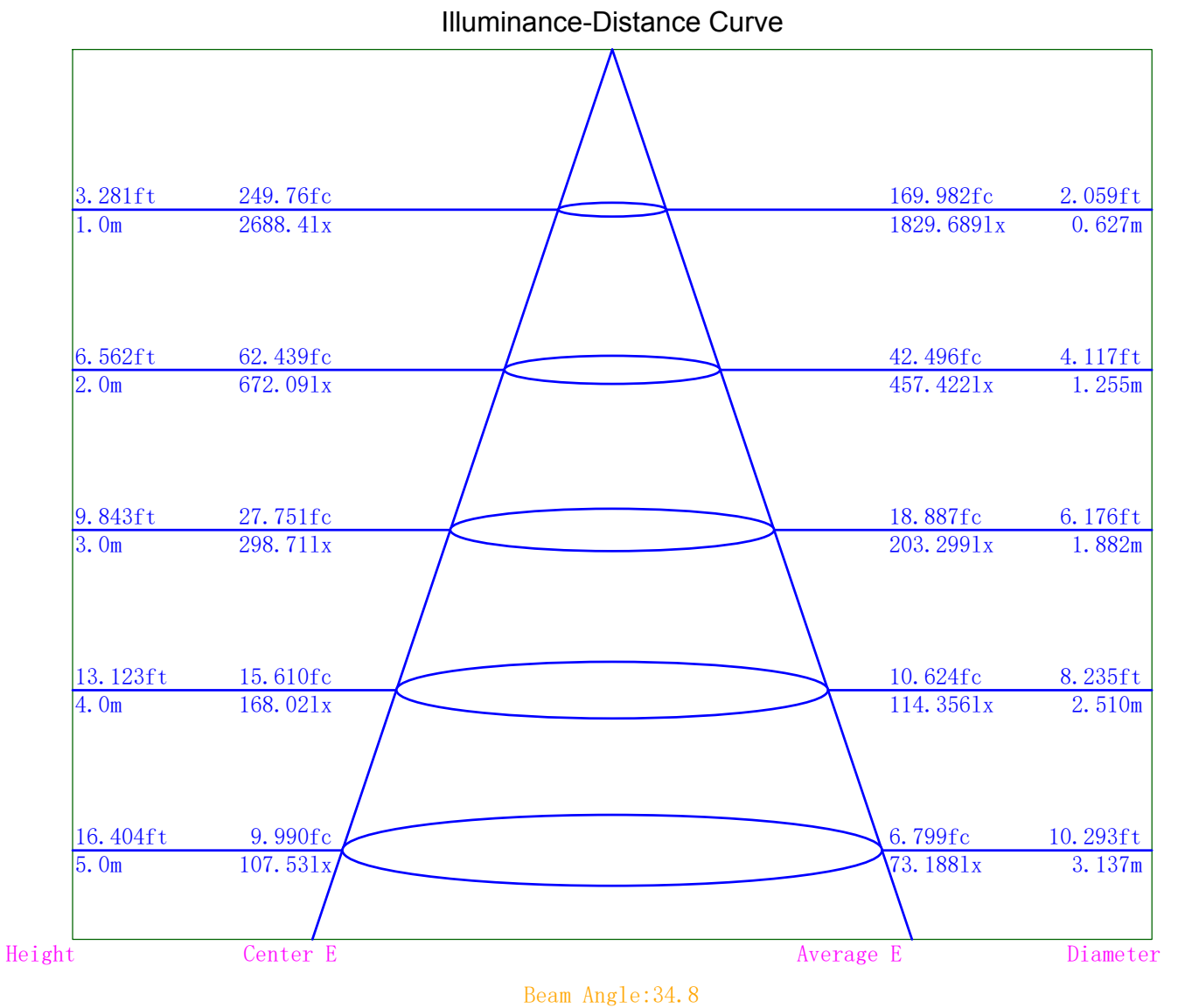
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2694.64lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:2695.870cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20

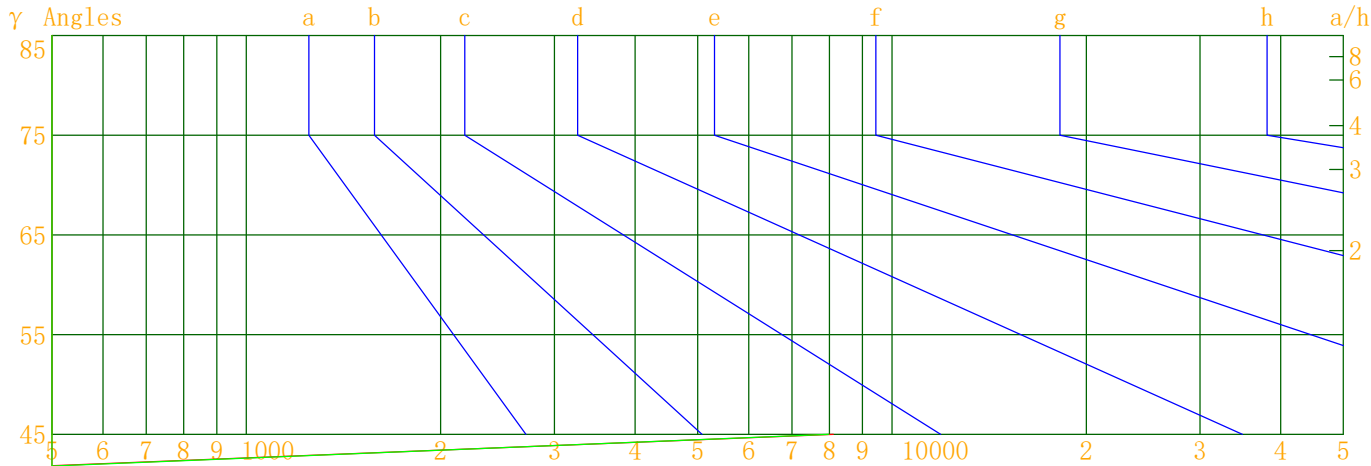
Glare Grade Table

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	8109	98	0	0	0	0	0	0	0
C90	7980	105	0	0	0	0	0	0	0

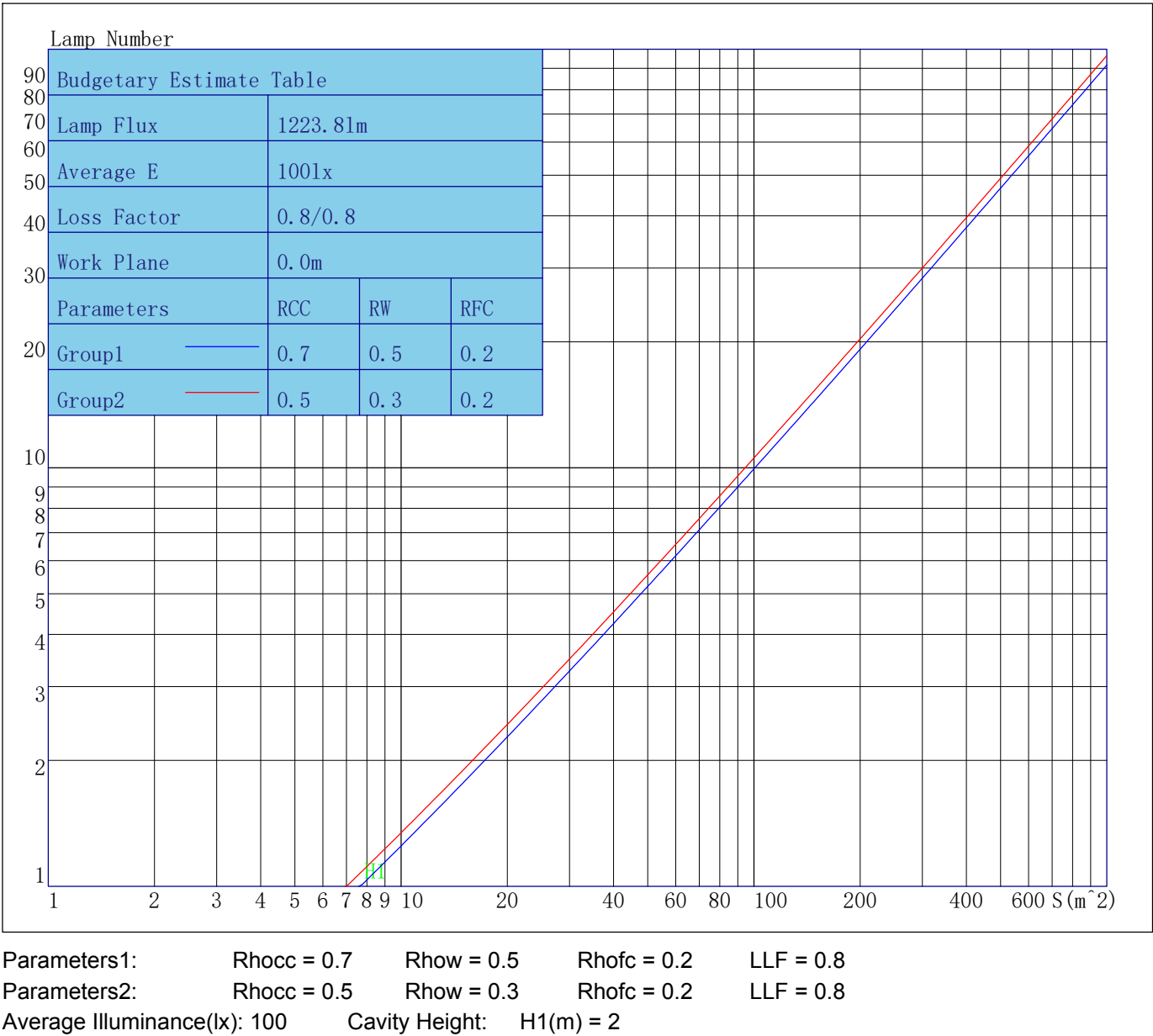
Luminance Limiting Curve



Luminous Size: Length(m)= -0.050 Width(m)= -0.050 Height(m)= 0.000 Area(m^2)= 0.001963
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/20



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

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

Table with 2 main sections: 'Coefficients of Utilization - Zonal Cavity Method' and 'Coefficient of Utilization (%)'. The first section includes RhoCC, RhoW, and RCR values. The second section is a large grid of utilization coefficients for various room dimensions and reflectance levels.

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

Main table with 11 columns for room dimensions and UGR values. Includes sections for variations with observer position and reduced UGR table.

o the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

IES Indoor Report

Photometric Filename:UL-12W-COB-1200-AH 38D.IES

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37	2688.37
γ 1.0	2695.87	2691.84	2683.82	2675.11	2662.34	2661.72	2689.15	2687.73	2683.61	2683.57	2686.46	2689.08
γ 2.0	2688.82	2682.47	2670.25	2657.81	2635.43	2632.84	2672.54	2672.04	2670.75	2674.55	2685.23	2688.46
γ 3.0	2676.82	2668.84	2650.21	2632.03	2599.54	2596.16	2645.00	2647.15	2648.64	2656.88	2675.33	2681.05
γ 4.0	2657.24	2648.11	2623.35	2597.42	2555.36	2550.02	2609.09	2613.49	2616.39	2629.61	2658.98	2668.06
γ 5.0	2627.36	2616.64	2587.81	2552.73	2499.75	2492.25	2563.93	2568.69	2571.65	2589.89	2631.55	2647.52
γ 6.0	2584.06	2572.04	2539.91	2496.22	2430.62	2422.32	2507.43	2511.26	2514.17	2535.88	2592.05	2615.45
γ 7.0	2527.06	2515.36	2478.46	2428.45	2350.49	2340.46	2437.68	2439.26	2442.37	2468.77	2539.38	2569.63
γ 8.0	2457.90	2445.10	2406.07	2351.56	2262.78	2249.17	2356.55	2355.26	2357.77	2388.89	2474.10	2510.23
γ 9.0	2376.55	2363.46	2322.96	2263.67	2164.20	2148.99	2265.31	2262.37	2263.46	2297.82	2395.93	2438.84
γ 10.0	2282.10	2270.80	2228.77	2165.96	2058.60	2041.09	2164.37	2160.61	2161.75	2197.87	2305.54	2355.05
γ 11.0	2176.71	2167.71	2125.94	2060.40	1948.21	1927.65	2054.37	2049.28	2050.50	2089.21	2204.92	2258.13
γ 12.0	2063.95	2055.71	2014.88	1948.46	1833.03	1809.55	1938.46	1933.23	1932.81	1973.15	2094.88	2150.56
γ 13.0	1944.39	1938.18	1900.26	1832.81	1716.21	1689.99	1818.63	1813.41	1812.54	1853.16	1977.04	2035.13
γ 14.0	1820.98	1816.23	1781.88	1715.69	1599.76	1573.08	1698.73	1692.66	1692.47	1731.41	1856.70	1913.99
γ 15.0	1696.09	1693.14	1663.59	1599.19	1485.50	1457.69	1579.28	1573.02	1573.93	1610.85	1734.34	1790.25
γ 16.0	1571.10	1570.74	1545.16	1484.63	1373.86	1345.24	1462.35	1456.47	1458.40	1491.22	1612.14	1666.21
γ 17.0	1447.77	1450.47	1429.06	1372.81	1266.01	1236.88	1347.78	1342.93	1344.65	1374.36	1489.86	1541.39
γ 18.0	1328.78	1334.67	1316.03	1264.62	1163.12	1134.80	1237.98	1232.76	1233.81	1263.15	1370.90	1418.25
γ 19.0	1216.16	1224.49	1208.54	1161.66	1066.39	1040.07	1133.47	1128.07	1129.20	1156.32	1256.84	1301.46
γ 20.0	1112.10	1122.31	1108.98	1066.65	978.42	954.24	1038.09	1031.88	1033.46	1057.72	1149.73	1190.65
γ 21.0	1017.61	1030.76	1018.72	979.84	898.39	876.08	950.64	945.53	946.38	968.87	1051.88	1087.77
γ 22.0	932.35	946.77	935.82	900.11	825.51	805.89	872.50	866.74	866.71	887.85	963.58	996.02
γ 23.0	855.52	869.26	857.68	825.75	758.02	738.85	799.86	792.88	791.57	812.04	883.24	912.69
γ 24.0	784.66	797.94	785.76	757.44	697.71	680.41	733.06	724.48	722.52	741.15	808.76	836.98
γ 25.0	720.78	732.76	719.84	698.30	648.31	634.11	674.76	666.91	665.71	680.58	739.49	766.46
γ 26.0	668.33	677.15	666.22	648.70	600.32	585.42	627.44	619.52	618.96	632.14	681.02	703.61
γ 27.0	619.88	629.53	619.02	598.94	560.89	550.08	580.26	573.90	574.56	585.71	634.56	652.44
γ 28.0	577.41	585.53	576.60	563.41	532.11	521.35	546.40	538.75	540.27	546.65	586.60	607.50
γ 29.0	545.56	551.94	544.92	534.09	506.79	497.61	516.85	510.80	511.33	517.53	551.52	563.90
γ 30.0	517.21	523.45	518.17	507.82	483.88	473.80	493.96	488.12	489.54	494.87	519.79	532.72
γ 31.0	495.36	498.85	494.89	486.31	456.86	441.38	468.00	461.31	463.35	471.49	496.47	507.34
γ 32.0	471.63	475.90	471.74	459.29	420.07	399.57	431.40	425.80	425.68	439.74	475.52	485.79
γ 33.0	437.39	445.64	441.30	421.56	374.94	352.72	388.19	381.02	381.69	399.81	444.18	460.54
γ 34.0	395.79	405.67	400.07	378.08	326.40	302.34	337.56	333.53	333.66	352.69	403.78	426.07
γ 35.0	348.02	358.18	352.92	329.51	275.68	250.15	288.48	281.77	283.23	302.89	356.68	383.15
γ 36.0	296.68	308.17	302.38	277.84	222.53	198.62	235.41	230.93	232.45	250.68	307.35	333.53
γ 37.0	244.10	254.77	249.55	226.23	172.12	150.48	185.20	179.27	180.72	199.02	256.19	283.68
γ 38.0	193.32	204.82	198.07	175.56	125.51	105.96	136.54	132.25	132.77	150.70	204.05	231.45
γ 39.0	143.86	154.89	148.95	127.38	83.75	67.35	93.11	89.06	89.82	106.28	155.06	180.79
γ 40.0	99.82	110.50	104.64	85.13	49.64	38.95	58.61	54.04	54.32	67.87	109.11	132.59
γ 41.0	61.81	69.79	66.31	51.01	28.26	21.73	32.70	30.95	31.48	39.10	70.64	89.38
γ 42.0	34.29	39.61	37.45	28.97	17.85	15.70	19.50	18.01	19.06	21.19	40.78	53.42
γ 43.0	20.29	22.08	21.86	18.90	14.19	12.13	14.91	14.17	14.44	15.83	23.09	29.86
γ 44.0	15.39	16.48	16.75	15.08	10.49	8.38	10.84	10.18	10.25	11.59	15.87	17.86
γ 45.0	11.26	12.45	12.77	11.08	6.80	4.98	7.34	6.37	6.78	7.88	12.13	14.30
γ 46.0	7.77	8.49	9.13	7.53	3.72	2.60	4.33	3.60	4.00	4.72	8.27	10.14

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 47.0	4.71	5.33	5.96	4.49	1.76	0.91	1.85	1.80	1.56	2.05	4.78	6.32
γ 48.0	2.12	2.88	3.06	1.97	0.22	0.00	0.55	0.19	0.26	0.60	2.23	3.66
γ 49.0	0.68	0.91	1.18	0.64	0.00	0.00	0.21	0.00	0.13	0.00	0.68	1.53
γ 50.0	0.12	0.09	0.44	0.13	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00
γ 51.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 52.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 53.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 54.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 56.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 57.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 58.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 59.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 61.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 62.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 63.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 64.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 66.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 67.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 68.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 69.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 71.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 72.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 73.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 74.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 76.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 77.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 78.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 79.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 81.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 82.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 83.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 84.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 86.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 87.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 88.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 89.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES Indoor Report
Photometric Filename:UL-12W-COB-1200-AH 38D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.04	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.24	0.00	0.09	0.00
γ 123.0	0.00	0.00	0.00	0.00	0.05	0.05	0.39	0.26	0.40	0.12	0.00	0.14
γ 124.0	0.00	0.00	0.08	0.00	0.00	0.25	0.58	0.49	0.34	0.51	0.18	0.15
γ 125.0	0.09	0.17	0.17	0.12	0.16	0.25	0.55	0.80	0.63	0.49	0.51	0.17
γ 126.0	0.41	0.04	0.15	0.08	0.53	0.53	0.89	0.80	0.98	0.60	0.56	0.56
γ 127.0	0.36	0.26	0.35	0.45	0.51	0.75	1.18	0.93	0.99	1.06	0.65	0.66
γ 128.0	0.49	0.59	0.69	0.71	0.69	0.76	1.23	1.43	1.32	1.22	0.97	0.71
γ 129.0	0.89	0.62	0.76	0.65	1.06	1.08	1.49	1.51	1.70	1.26	1.33	1.17
γ 130.0	1.00	0.75	0.83	0.97	1.22	1.48	1.93	1.72	1.75	1.63	1.34	1.34
γ 131.0	1.08	1.28	1.21	1.37	1.26	1.49	2.04	2.24	1.97	2.01	1.53	1.37
γ 132.0	1.52	1.35	1.55	1.37	1.74	1.78	2.28	2.35	2.53	2.08	2.05	1.93
γ 133.0	1.62	1.45	1.47	1.57	2.00	2.23	2.82	2.63	2.67	2.38	2.23	2.12
γ 134.0	1.75	1.98	1.86	2.02	2.08	2.37	3.09	3.18	2.97	2.93	2.36	2.26
γ 135.0	2.30	2.23	2.33	2.22	2.49	2.62	3.31	3.36	3.49	3.04	2.83	2.70
γ 136.0	2.53	2.24	2.50	2.41	2.87	3.21	3.83	3.67	3.77	3.39	3.30	3.11
γ 137.0	2.65	2.75	2.61	2.91	3.03	3.42	4.30	4.27	4.00	3.96	3.40	3.23
γ 138.0	3.11	3.19	3.10	3.24	3.52	3.60	4.48	4.61	4.70	4.34	3.86	3.84
γ 139.0	3.64	3.31	3.53	3.36	3.98	4.20	5.04	4.94	4.99	4.53	4.42	4.26
γ 140.0	3.69	3.70	3.70	3.93	4.10	4.59	5.65	5.55	5.30	5.09	4.68	4.43

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 141.0	4.20	4.32	4.08	4.40	4.50	4.73	5.76	6.03	5.82	5.59	4.97	5.05
γ 142.0	4.70	4.47	4.68	4.51	5.17	5.24	6.36	6.21	6.38	5.87	5.58	5.53
γ 143.0	4.93	4.80	4.90	4.94	5.40	5.80	7.02	6.91	6.62	6.35	6.07	5.82
γ 144.0	5.30	5.48	5.18	5.55	5.71	5.97	7.28	7.35	7.16	6.99	6.27	6.30
γ 145.0	5.94	5.73	5.76	5.77	6.36	6.36	7.71	7.60	7.80	7.32	6.88	6.92
γ 146.0	6.22	5.99	6.26	6.16	6.61	7.06	8.39	8.24	7.99	7.72	7.52	7.18
γ 147.0	6.57	6.66	6.47	6.78	7.00	7.38	8.75	8.84	8.58	8.41	7.80	7.66
γ 148.0	7.19	7.14	6.92	7.12	7.62	7.60	9.15	9.05	9.27	8.85	8.23	8.33
γ 149.0	7.53	7.38	7.53	7.36	8.01	8.23	9.76	9.55	9.53	9.17	8.99	8.60
γ 150.0	7.84	7.92	7.89	8.09	8.31	8.76	10.21	10.19	10.00	9.76	9.34	8.99
γ 151.0	8.53	8.43	8.19	8.52	8.82	8.98	10.56	10.47	10.70	10.35	9.65	9.80
γ 152.0	8.89	8.62	8.85	8.73	9.30	9.45	11.10	10.93	10.98	10.58	10.31	10.14
γ 153.0	9.08	9.19	9.29	9.31	9.50	10.00	11.59	11.55	11.22	11.04	10.82	10.47
γ 154.0	9.63	9.75	9.53	9.84	10.06	10.30	11.86	11.83	11.89	11.69	11.06	11.12
γ 155.0	10.13	10.01	9.99	10.05	10.52	10.58	12.30	12.17	12.21	11.94	11.51	11.49
γ 156.0	10.30	10.40	10.53	10.50	10.77	11.15	12.86	12.74	12.45	12.17	12.14	11.75
γ 157.0	10.83	10.97	10.76	11.06	11.23	11.53	12.99	12.97	13.01	12.80	12.36	12.41
γ 158.0	11.37	11.23	11.10	11.25	11.77	11.75	13.42	13.24	13.27	13.07	12.66	12.75
γ 159.0	11.54	11.52	11.63	11.58	11.94	12.18	13.95	13.80	13.37	13.25	13.19	12.89
γ 160.0	11.94	12.17	12.13	12.17	12.24	12.67	14.14	14.00	13.91	13.60	13.47	13.41
γ 161.0	12.48	12.35	12.22	12.41	12.77	12.79	14.40	14.20	14.24	14.07	13.65	13.81
γ 162.0	12.72	12.63	12.60	12.62	12.97	13.03	14.93	14.70	14.35	14.23	14.08	13.98
γ 163.0	13.03	13.21	13.09	13.21	13.21	13.63	15.11	14.92	14.72	14.52	14.50	14.43
γ 164.0	13.57	13.52	13.32	13.50	13.66	13.73	15.25	14.98	15.04	14.93	14.55	14.84
γ 165.0	13.80	13.60	13.47	13.62	13.92	13.90	15.66	15.33	15.08	15.09	14.85	14.85
γ 166.0	13.99	14.10	13.97	14.01	14.01	14.31	15.78	15.42	15.38	15.08	15.24	15.15
γ 167.0	14.37	14.38	14.23	14.37	14.38	14.52	15.80	15.43	15.57	15.44	15.23	15.45
γ 168.0	14.71	14.40	14.31	14.37	14.58	14.50	16.09	15.72	15.57	15.69	15.32	15.43
γ 169.0	14.71	14.72	14.62	14.64	14.60	14.75	16.20	15.84	15.69	15.54	15.70	15.66
γ 170.0	15.12	15.13	14.94	15.01	14.99	15.08	16.13	15.70	15.90	15.74	15.71	15.94
γ 171.0	15.23	15.26	15.06	15.14	14.93	15.13	16.36	15.95	15.86	15.81	15.97	15.94
γ 172.0	15.48	15.51	15.36	15.37	15.30	15.49	16.34	15.86	16.07	15.95	15.98	16.17
γ 173.0	15.67	15.64	15.61	15.63	15.50	15.60	16.55	16.05	16.23	16.01	16.07	16.28
γ 174.0	16.11	15.77	15.84	15.72	15.75	15.90	16.76	16.15	16.21	16.25	16.05	16.30
γ 175.0	16.26	15.97	15.99	15.87	15.94	16.05	16.83	16.27	16.36	16.25	16.19	16.50
γ 176.0	16.38	16.35	15.92	16.09	15.89	16.06	16.96	16.56	16.46	16.36	16.53	16.55
γ 177.0	16.78	16.28	16.31	16.06	16.31	16.30	17.28	16.71	16.41	16.58	16.53	16.48
γ 178.0	17.03	16.48	16.48	16.34	16.52	16.65	17.39	16.61	16.58	16.44	16.49	16.76
γ 179.0	17.18	16.82	16.70	16.58	16.62	16.60	17.24	16.93	16.76	16.60	16.78	16.73
γ 180.0	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93