

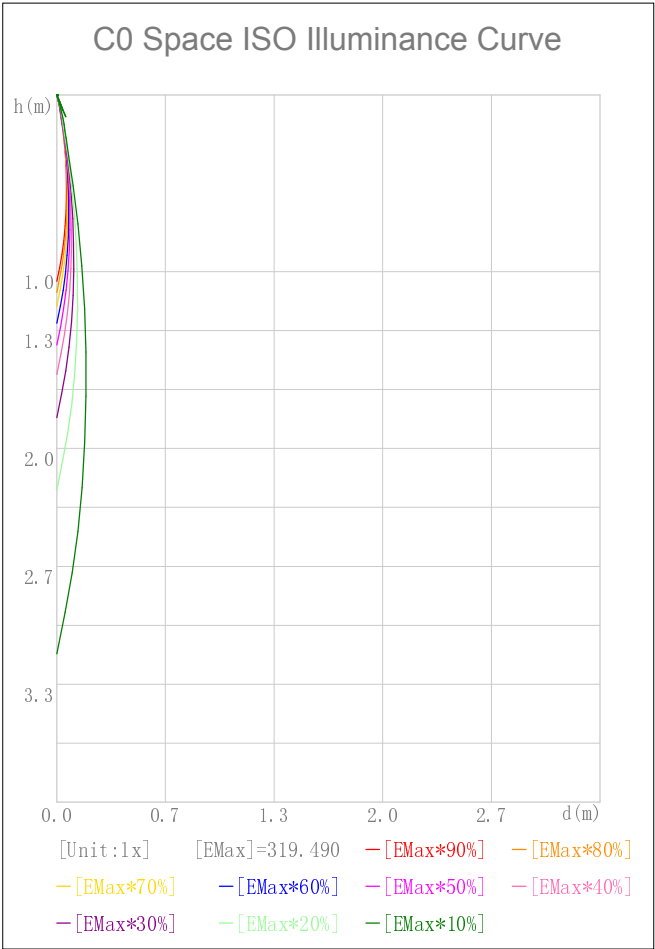
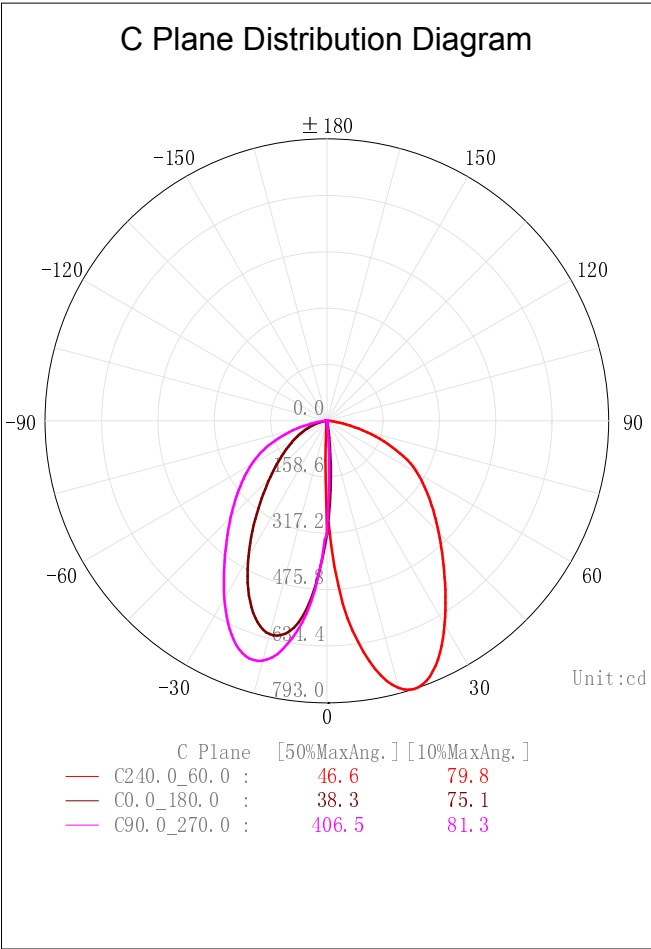
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/03/15
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 3000 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(%):

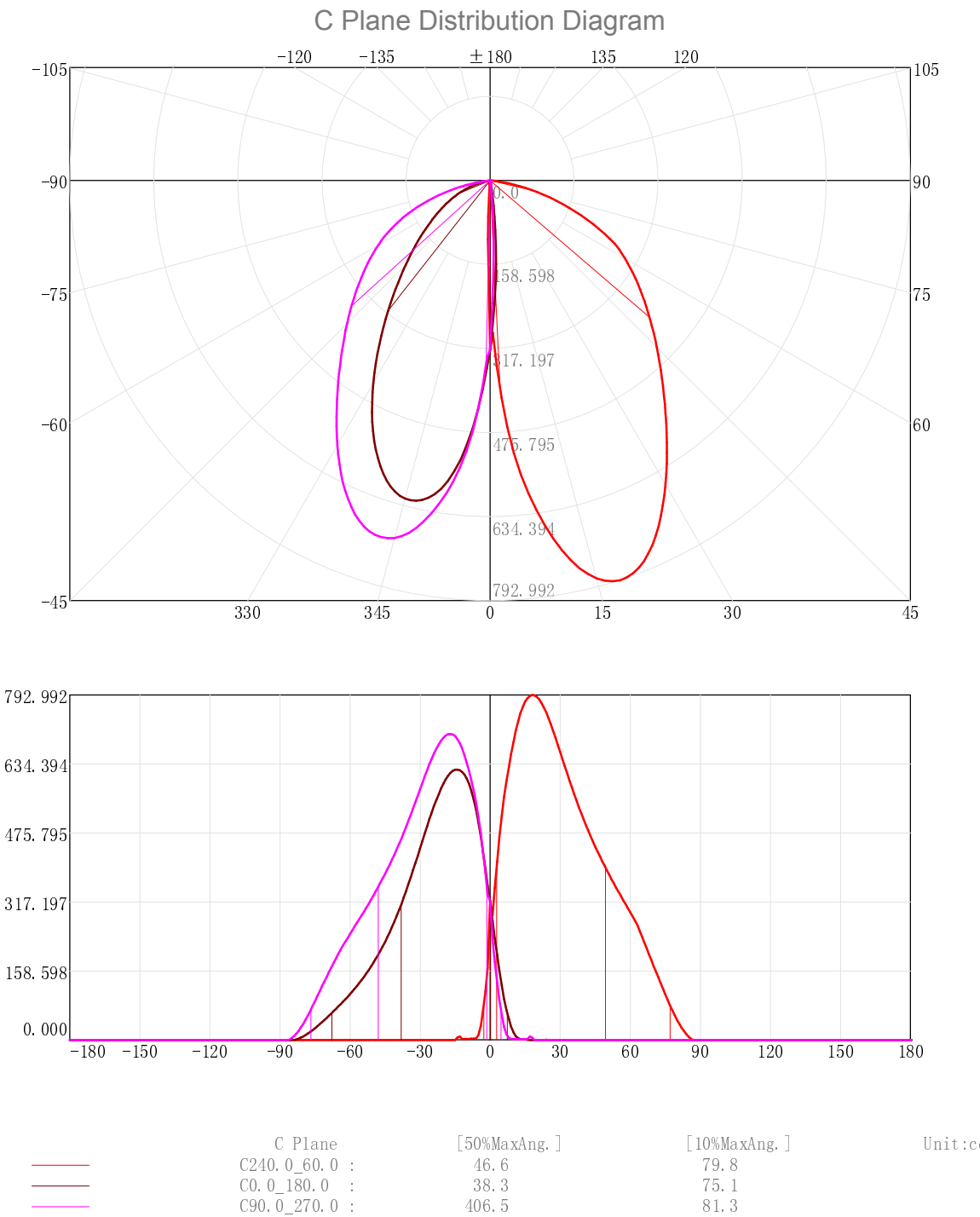
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 650.510	Luminary Flux(lm): 650.515	Field Angle(10%Imax): 79.8(°)	
Rated Power(W): 15	Luminary Efficiency: 100.00%	Down Lumens&Percent: 650.470lm 99.99%	
Rated Voltage(V): 24	Luminary EER(lm/W): 45.081	Up Lumens&Percent: 0.045lm 0.01%	
Tested Power(W): 14.430	Max. Candela(cd): 792.992	S/MH: C0_a180=0.836 C90_270=0.969	
Lamps' Inside: 1	Max Cand@Ang.(°): C=240.0 γ=18.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):23.8, 0.605	Beam Angle(50%Imax): 46.6(°)	ErP Φ use(90°): 450.741lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=2.8°, Right=49.4°	IRF(%): 602.709	



2D Plane Light Intensity Distribution Curve

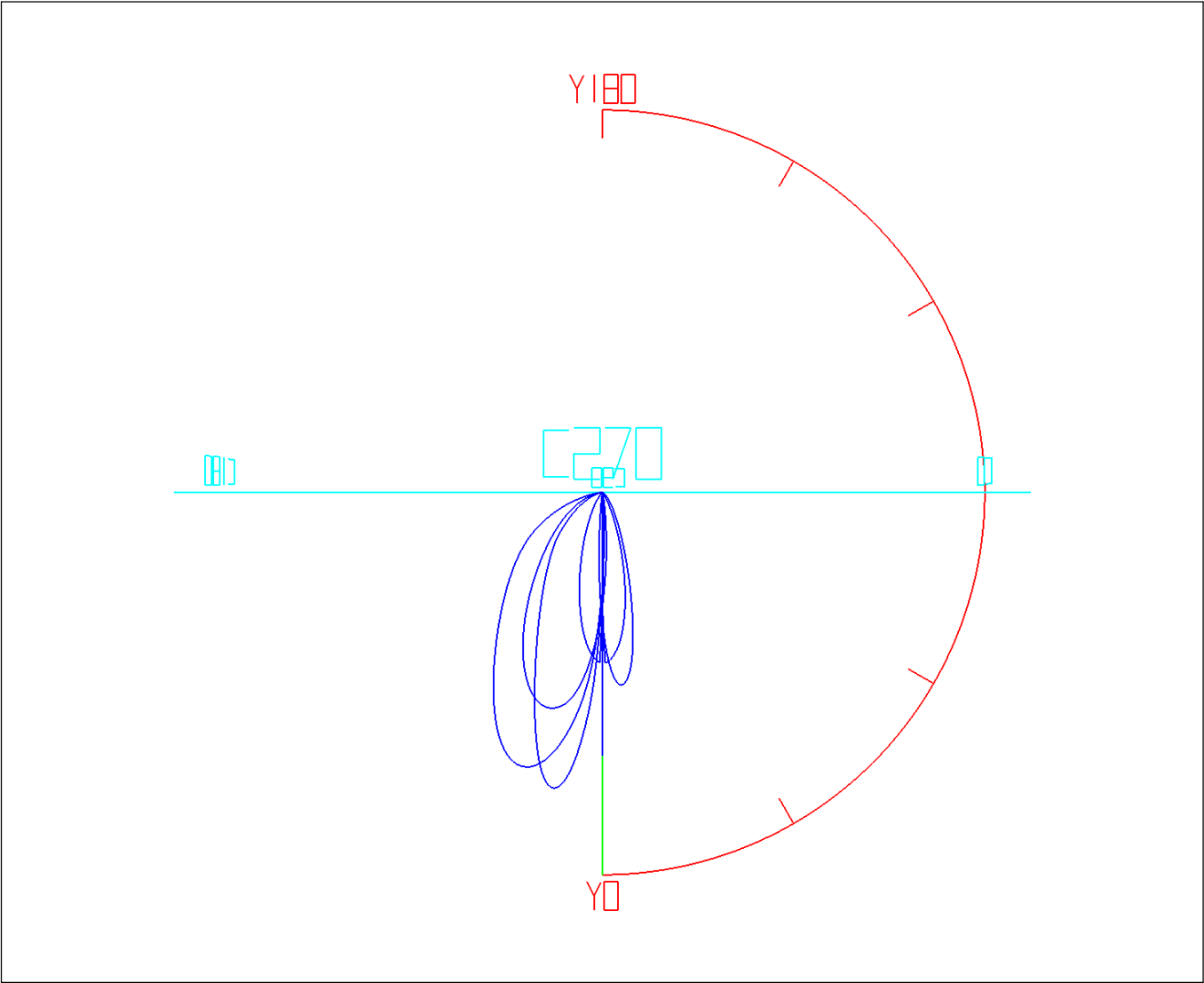
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15



3D Light Intensity Distribution Modal

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

IES Indoor Report

Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

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	0.31	0.31	0.05	0.05	47.0-48.0	9.95	451.22	1.53	69.36
1.0-2.0	0.92	1.23	0.14	0.19	48.0-49.0	9.78	461.00	1.50	70.87
2.0-3.0	1.53	2.76	0.24	0.42	49.0-50.0	9.60	470.60	1.48	72.34
3.0-4.0	2.15	4.91	0.33	0.75	50.0-51.0	9.42	480.01	1.45	73.79
4.0-5.0	2.77	7.68	0.43	1.18	51.0-52.0	9.23	489.25	1.42	75.21
5.0-6.0	3.40	11.09	0.52	1.70	52.0-53.0	9.05	498.29	1.39	76.60
6.0-7.0	4.05	15.13	0.62	2.33	53.0-54.0	8.86	507.15	1.36	77.96
7.0-8.0	4.70	19.83	0.72	3.05	54.0-55.0	8.67	515.83	1.33	79.30
8.0-9.0	5.35	25.19	0.82	3.87	55.0-56.0	8.48	524.31	1.30	80.60
9.0-10.0	6.01	31.20	0.92	4.80	56.0-57.0	8.29	532.60	1.27	81.87
10.0-11.0	6.66	37.86	1.02	5.82	57.0-58.0	8.09	540.69	1.24	83.12
11.0-12.0	7.30	45.15	1.12	6.94	58.0-59.0	7.88	548.57	1.21	84.33
12.0-13.0	7.92	53.08	1.22	8.16	59.0-60.0	7.67	556.24	1.18	85.51
13.0-14.0	8.52	61.60	1.31	9.47	60.0-61.0	7.45	563.69	1.15	86.65
14.0-15.0	9.09	70.69	1.40	10.87	61.0-62.0	7.23	570.92	1.11	87.76
15.0-16.0	9.63	80.32	1.48	12.35	62.0-63.0	6.99	577.90	1.07	88.84
16.0-17.0	10.12	90.44	1.56	13.90	63.0-64.0	6.72	584.63	1.03	89.87
17.0-18.0	10.57	101.01	1.62	15.53	64.0-65.0	6.43	591.05	0.99	90.86
18.0-19.0	10.97	111.98	1.69	17.21	65.0-66.0	6.12	597.17	0.94	91.80
19.0-20.0	11.33	123.31	1.74	18.96	66.0-67.0	5.81	602.98	0.89	92.69
20.0-21.0	11.65	134.97	1.79	20.75	67.0-68.0	5.48	608.46	0.84	93.54
21.0-22.0	11.92	146.89	1.83	22.58	68.0-69.0	5.15	613.61	0.79	94.33
22.0-23.0	12.15	159.04	1.87	24.45	69.0-70.0	4.81	618.42	0.74	95.07
23.0-24.0	12.33	171.37	1.90	26.34	70.0-71.0	4.46	622.88	0.69	95.75
24.0-25.0	12.47	183.84	1.92	28.26	71.0-72.0	4.11	626.99	0.63	96.38
25.0-26.0	12.56	196.40	1.93	30.19	72.0-73.0	3.76	630.75	0.58	96.96
26.0-27.0	12.62	209.01	1.94	32.13	73.0-74.0	3.40	634.15	0.52	97.48
27.0-28.0	12.64	221.65	1.94	34.07	74.0-75.0	3.04	637.19	0.47	97.95
28.0-29.0	12.62	234.27	1.94	36.01	75.0-76.0	2.68	639.87	0.41	98.36
29.0-30.0	12.59	246.86	1.93	37.95	76.0-77.0	2.33	642.20	0.36	98.72
30.0-31.0	12.53	259.39	1.93	39.87	77.0-78.0	1.99	644.18	0.31	99.03
31.0-32.0	12.45	271.84	1.91	41.79	78.0-79.0	1.66	645.84	0.26	99.28
32.0-33.0	12.34	284.18	1.90	43.69	79.0-80.0	1.36	647.20	0.21	99.49
33.0-34.0	12.23	296.41	1.88	45.57	80.0-81.0	1.08	648.28	0.17	99.66
34.0-35.0	12.10	308.51	1.86	47.43	81.0-82.0	0.82	649.10	0.13	99.78
35.0-36.0	11.96	320.47	1.84	49.26	82.0-83.0	0.60	649.69	0.09	99.87
36.0-37.0	11.81	332.28	1.82	51.08	83.0-84.0	0.40	650.10	0.06	99.94
37.0-38.0	11.66	343.94	1.79	52.87	84.0-85.0	0.24	650.34	0.04	99.97
38.0-39.0	11.49	355.43	1.77	54.64	85.0-86.0	0.11	650.44	0.02	99.99
39.0-40.0	11.33	366.76	1.74	56.38	86.0-87.0	0.03	650.47	0.00	99.99
40.0-41.0	11.16	377.92	1.72	58.10	87.0-88.0	0.00	650.47	0.00	99.99
41.0-42.0	10.99	388.90	1.69	59.78	88.0-89.0	0.00	650.47	0.00	99.99
42.0-43.0	10.82	399.72	1.66	61.45	89.0-90.0	0.00	650.47	0.00	99.99
43.0-44.0	10.65	410.36	1.64	63.08	90.0-91.0	0.00	650.47	0.00	99.99
44.0-45.0	10.47	420.84	1.61	64.69	91.0-92.0	0.00	650.47	0.00	99.99
45.0-46.0	10.30	431.14	1.58	66.28	92.0-93.0	0.00	650.47	0.00	99.99
46.0-47.0	10.13	441.27	1.56	67.83	93.0-94.0	0.00	650.47	0.00	99.99

IES Indoor Report

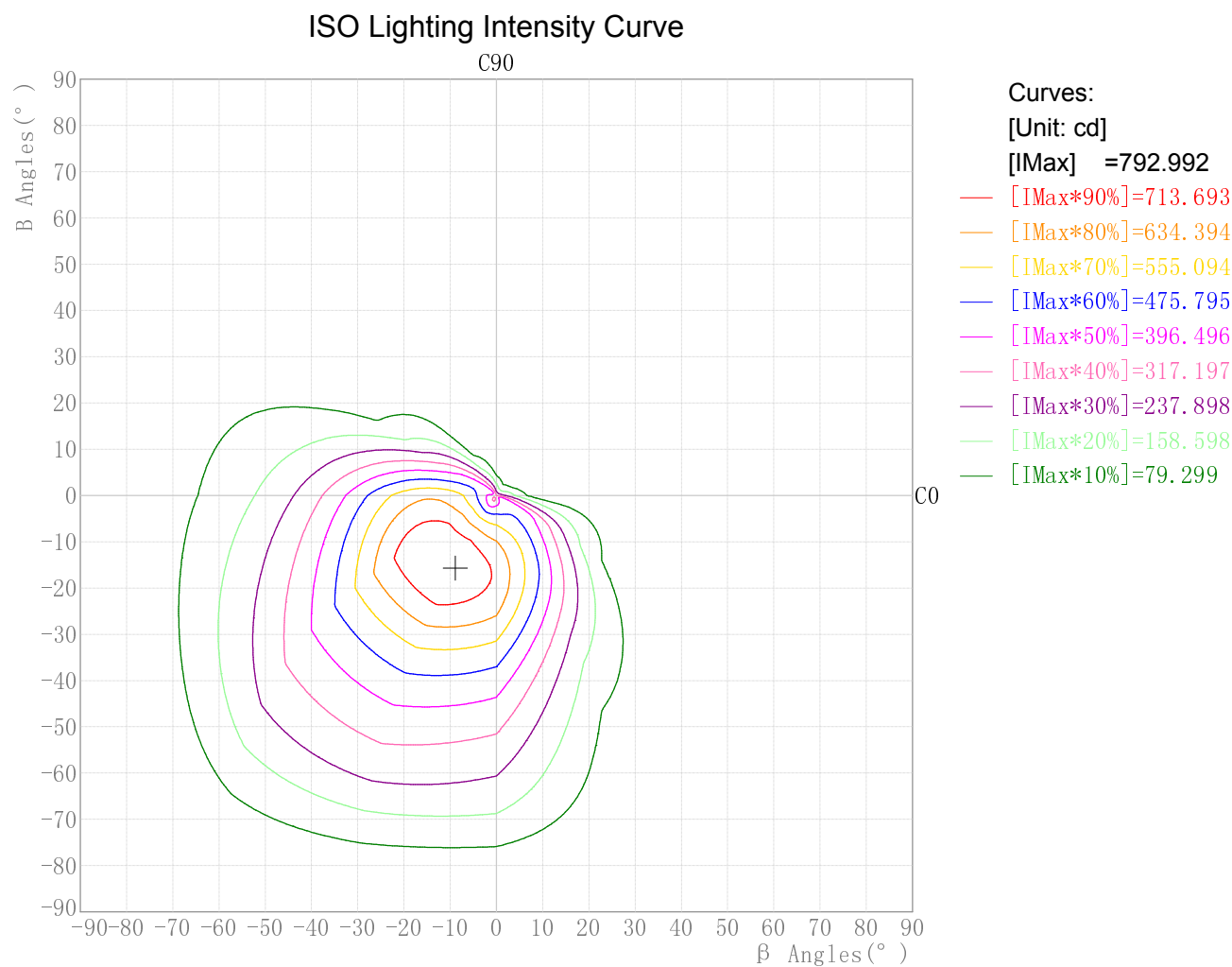
Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	650.47	0.00	99.99	141.0-142.0	0.00	650.47	0.00	99.99
95.0-96.0	0.00	650.47	0.00	99.99	142.0-143.0	0.00	650.47	0.00	99.99
96.0-97.0	0.00	650.47	0.00	99.99	143.0-144.0	0.00	650.47	0.00	99.99
97.0-98.0	0.00	650.47	0.00	99.99	144.0-145.0	0.00	650.47	0.00	99.99
98.0-99.0	0.00	650.47	0.00	99.99	145.0-146.0	0.00	650.47	0.00	99.99
99.0-100.0	0.00	650.47	0.00	99.99	146.0-147.0	0.00	650.47	0.00	99.99
100.0-101.0	0.00	650.47	0.00	99.99	147.0-148.0	0.00	650.47	0.00	99.99
101.0-102.0	0.00	650.47	0.00	99.99	148.0-149.0	0.00	650.47	0.00	99.99
102.0-103.0	0.00	650.47	0.00	99.99	149.0-150.0	0.00	650.47	0.00	99.99
103.0-104.0	0.00	650.47	0.00	99.99	150.0-151.0	0.00	650.47	0.00	99.99
104.0-105.0	0.00	650.47	0.00	99.99	151.0-152.0	0.00	650.48	0.00	99.99
105.0-106.0	0.00	650.47	0.00	99.99	152.0-153.0	0.00	650.48	0.00	100.00
106.0-107.0	0.00	650.47	0.00	99.99	153.0-154.0	0.00	650.48	0.00	100.00
107.0-108.0	0.00	650.47	0.00	99.99	154.0-155.0	0.00	650.48	0.00	100.00
108.0-109.0	0.00	650.47	0.00	99.99	155.0-156.0	0.00	650.48	0.00	100.00
109.0-110.0	0.00	650.47	0.00	99.99	156.0-157.0	0.00	650.49	0.00	100.00
110.0-111.0	0.00	650.47	0.00	99.99	157.0-158.0	0.00	650.49	0.00	100.00
111.0-112.0	0.00	650.47	0.00	99.99	158.0-159.0	0.00	650.49	0.00	100.00
112.0-113.0	0.00	650.47	0.00	99.99	159.0-160.0	0.00	650.49	0.00	100.00
113.0-114.0	0.00	650.47	0.00	99.99	160.0-161.0	0.00	650.49	0.00	100.00
114.0-115.0	0.00	650.47	0.00	99.99	161.0-162.0	0.00	650.49	0.00	100.00
115.0-116.0	0.00	650.47	0.00	99.99	162.0-163.0	0.00	650.50	0.00	100.00
116.0-117.0	0.00	650.47	0.00	99.99	163.0-164.0	0.00	650.50	0.00	100.00
117.0-118.0	0.00	650.47	0.00	99.99	164.0-165.0	0.00	650.50	0.00	100.00
118.0-119.0	0.00	650.47	0.00	99.99	165.0-166.0	0.00	650.50	0.00	100.00
119.0-120.0	0.00	650.47	0.00	99.99	166.0-167.0	0.00	650.50	0.00	100.00
120.0-121.0	0.00	650.47	0.00	99.99	167.0-168.0	0.00	650.50	0.00	100.00
121.0-122.0	0.00	650.47	0.00	99.99	168.0-169.0	0.00	650.50	0.00	100.00
122.0-123.0	0.00	650.47	0.00	99.99	169.0-170.0	0.00	650.51	0.00	100.00
123.0-124.0	0.00	650.47	0.00	99.99	170.0-171.0	0.00	650.51	0.00	100.00
124.0-125.0	0.00	650.47	0.00	99.99	171.0-172.0	0.00	650.51	0.00	100.00
125.0-126.0	0.00	650.47	0.00	99.99	172.0-173.0	0.00	650.51	0.00	100.00
126.0-127.0	0.00	650.47	0.00	99.99	173.0-174.0	0.00	650.51	0.00	100.00
127.0-128.0	0.00	650.47	0.00	99.99	174.0-175.0	0.00	650.51	0.00	100.00
128.0-129.0	0.00	650.47	0.00	99.99	175.0-176.0	0.00	650.51	0.00	100.00
129.0-130.0	0.00	650.47	0.00	99.99	176.0-177.0	0.00	650.51	0.00	100.00
130.0-131.0	0.00	650.47	0.00	99.99	177.0-178.0	0.00	650.51	0.00	100.00
131.0-132.0	0.00	650.47	0.00	99.99	178.0-179.0	0.00	650.51	0.00	100.00
132.0-133.0	0.00	650.47	0.00	99.99	179.0-180.0	0.00	650.51	0.00	100.00
133.0-134.0	0.00	650.47	0.00	99.99					
134.0-135.0	0.00	650.47	0.00	99.99					
135.0-136.0	0.00	650.47	0.00	99.99					
136.0-137.0	0.00	650.47	0.00	99.99					
137.0-138.0	0.00	650.47	0.00	99.99					
138.0-139.0	0.00	650.47	0.00	99.99					
139.0-140.0	0.00	650.47	0.00	99.99					
140.0-141.0	0.00	650.47	0.00	99.99					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

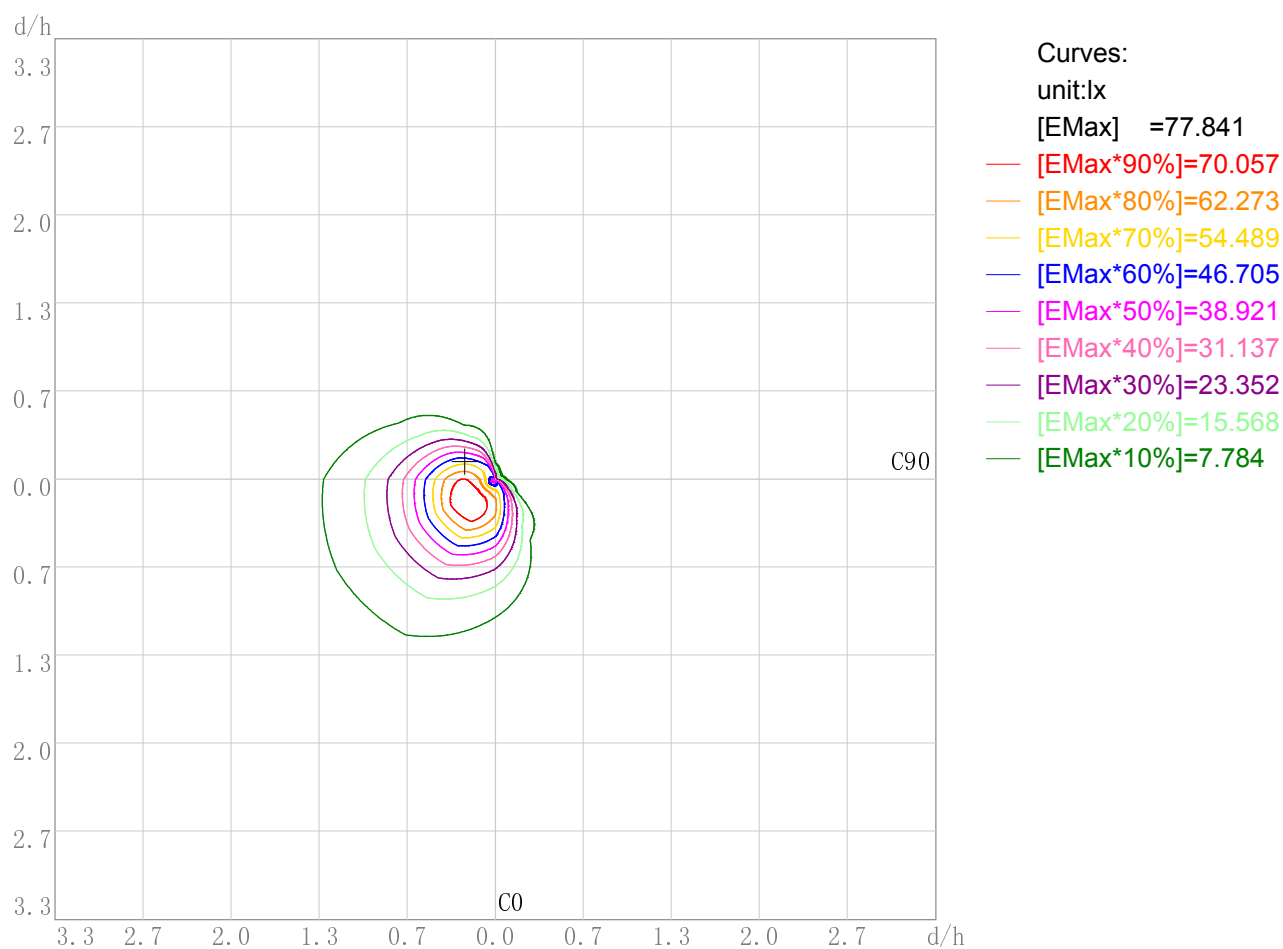


Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

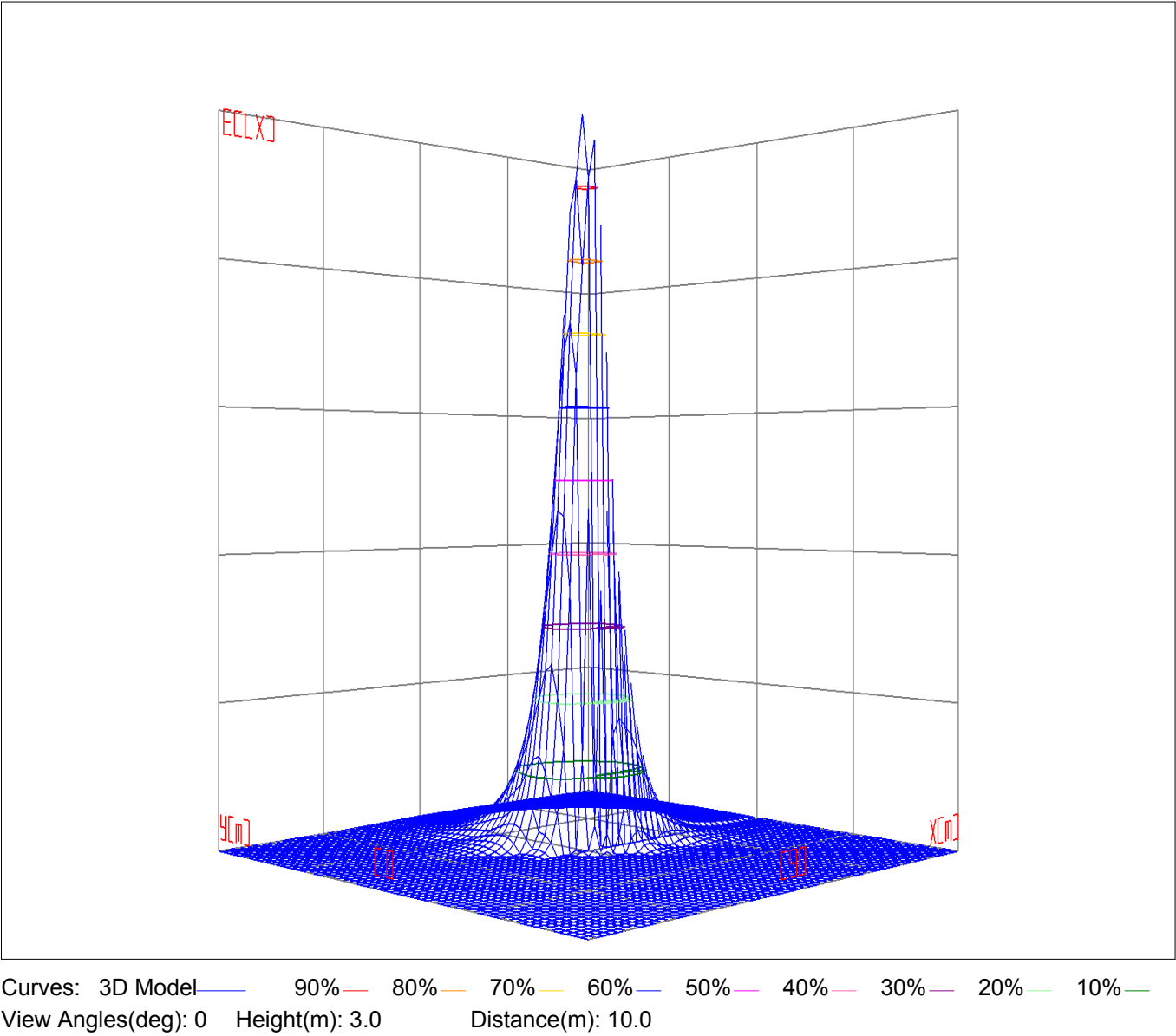
Working Plane Maximum Illuminance(lx): 77.84

Working Plane Maximum Illuminance Position(d/h):H-0.2 V-0.1

3D Plane ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

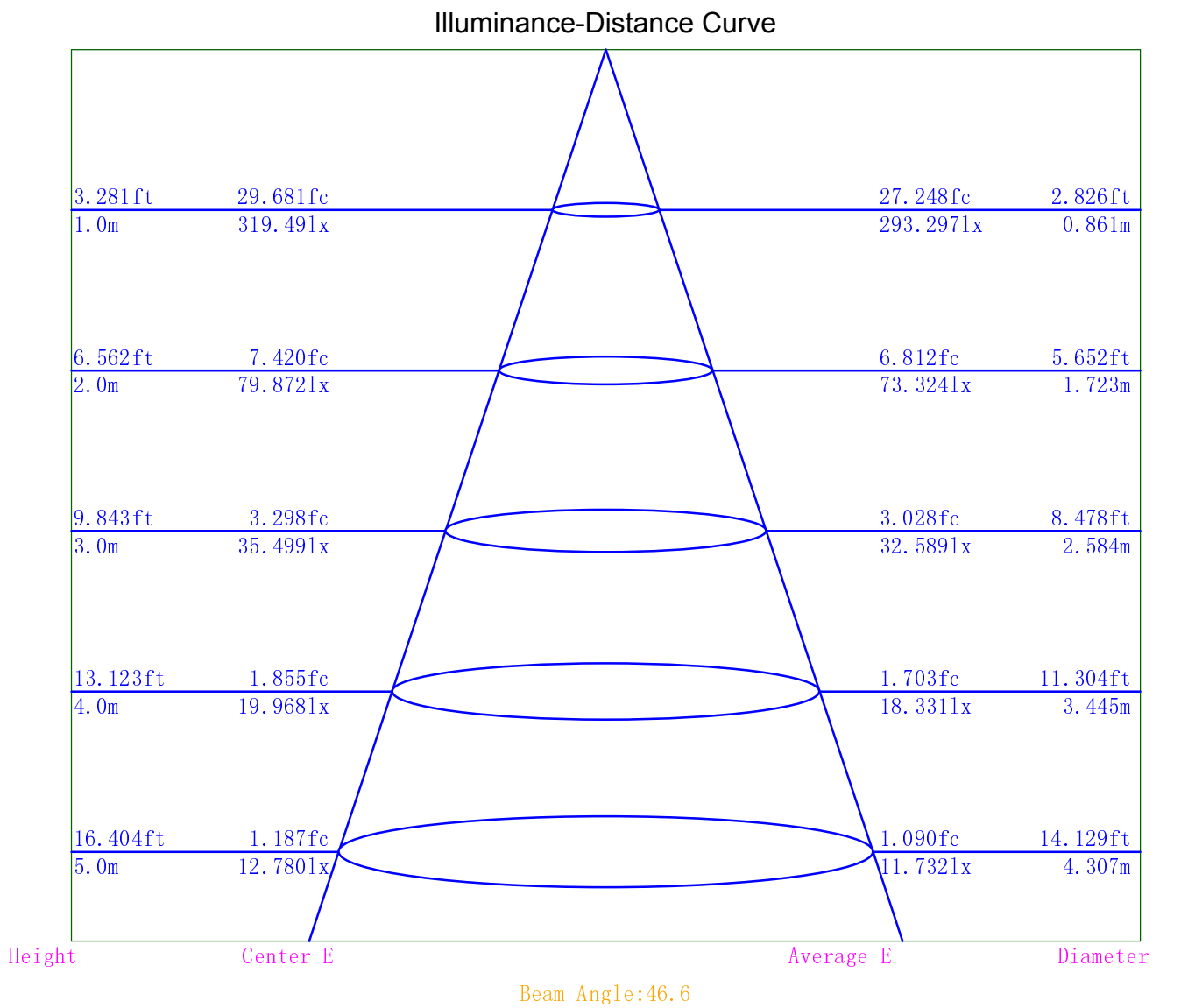
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:319.49lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:319.490cd,0deg

Illuminance-Distance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

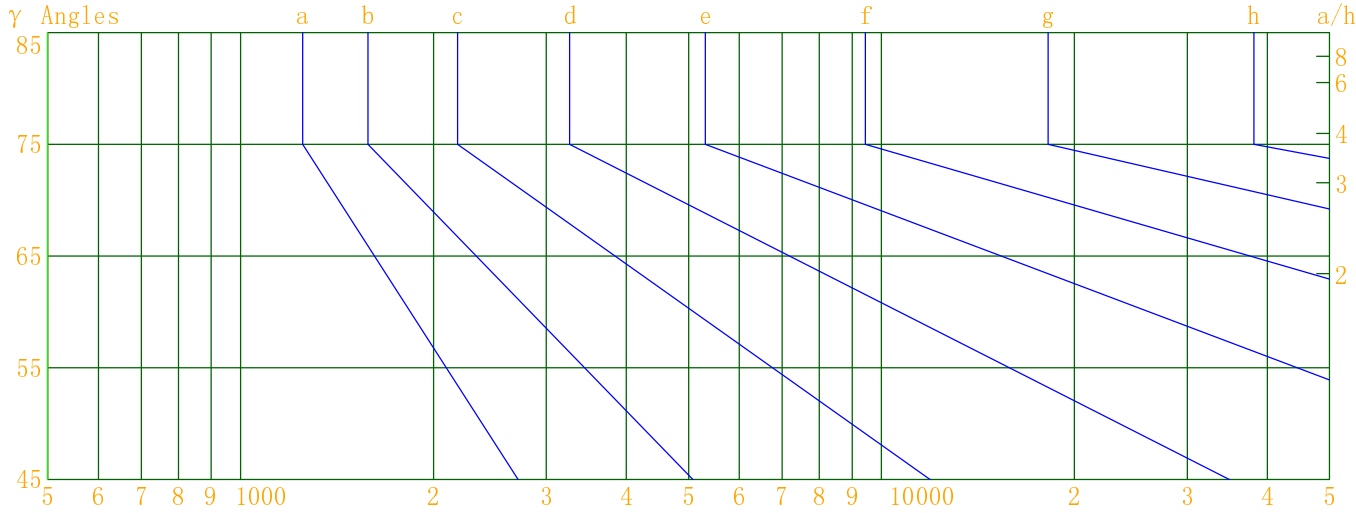
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

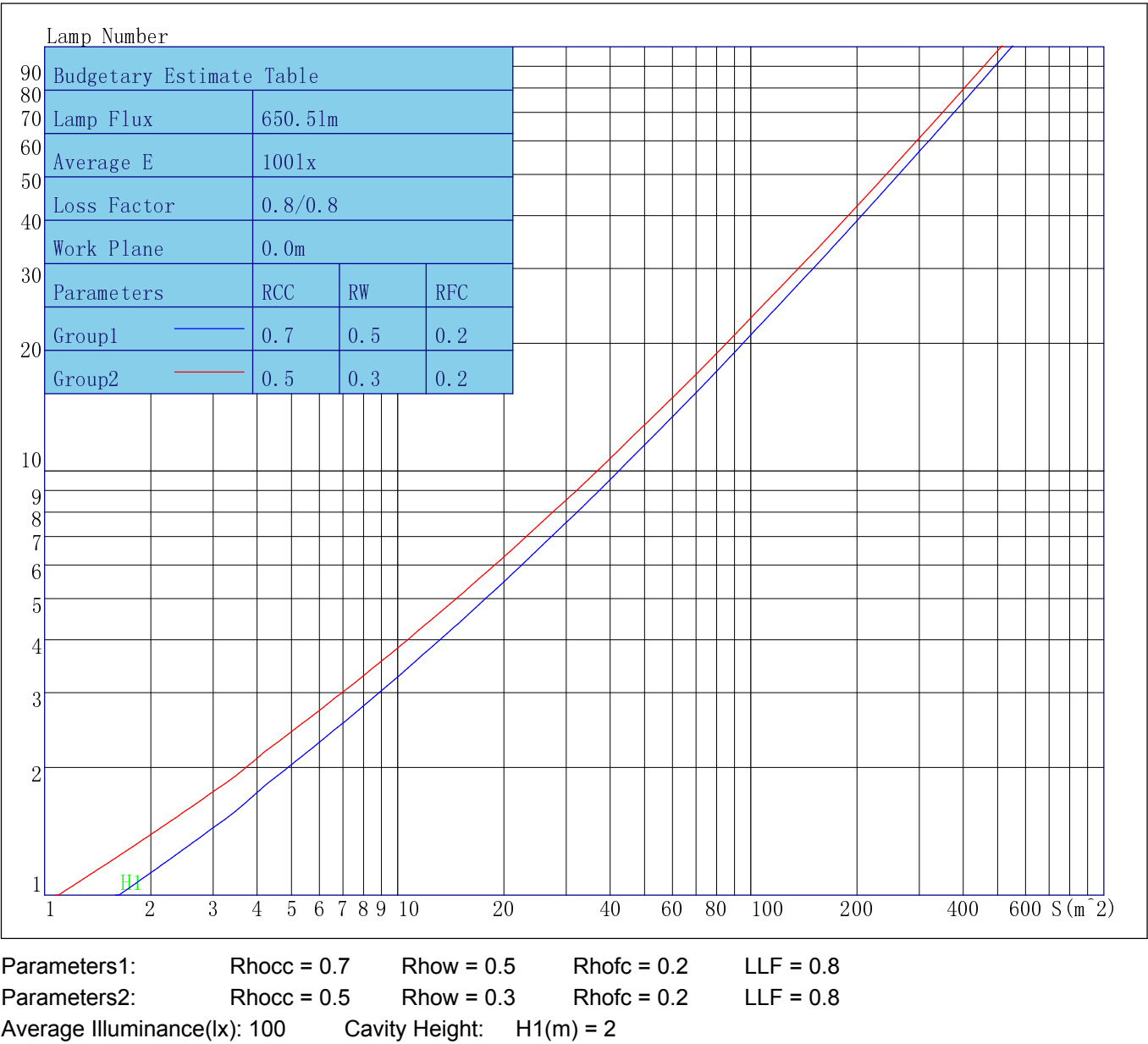
Luminance Limiting Curve



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:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15



Indoor Coefficient of Utilization Table

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

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	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	67	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	49	43	68	56	49	43	55	48	43	53	47	42	52	46	42	40
8	65	52	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36	32	31

Unified Glare Rating Table

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/15

Unified Glare Rating Table

Ceiling RCC		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size		Vewed crosswise					Vewed endwise				
X=2H	Y=2H	10.3	11.7	10.7	12.0	12.3	-7.4	-6.0	-7.1	-5.7	-5.4
	Y=3H	10.2	11.4	10.5	11.7	12.1	-7.6	-6.3	-7.2	-6.0	-5.6
	Y=4H	10.1	11.3	10.5	11.6	12.0	-7.6	-6.5	-7.2	-6.1	-5.8
	Y=6H	10.0	11.1	10.5	11.5	11.9	-7.7	-6.7	-7.3	-6.3	-5.9
	Y=8H	10.0	11.0	10.4	11.4	11.8	-7.7	-6.7	-7.3	-6.4	-6.0
	Y=12H	10.0	10.9	10.4	11.3	11.7	-7.8	-6.8	-7.3	-6.5	-6.0
X=4H	Y=2H	14.4	15.6	14.8	15.9	16.3	2.5	3.6	2.9	4.0	4.3
	Y=3H	14.3	15.2	14.7	15.6	16.0	2.3	3.3	2.8	3.7	4.1
	Y=4H	14.3	15.1	14.7	15.5	15.9	2.3	3.1	2.7	3.5	3.9
	Y=6H	14.2	14.9	14.7	15.3	15.8	2.2	2.9	2.7	3.3	3.8
	Y=8H	14.2	14.8	14.6	15.2	15.7	2.2	2.8	2.6	3.2	3.7
	Y=12H	14.1	14.6	14.6	15.1	15.6	2.1	2.7	2.6	3.2	3.6
X=8H	Y=4H	15.4	16.0	15.9	16.5	16.9	4.4	5.0	4.9	5.5	6.0
	Y=6H	15.4	15.8	15.9	16.3	16.9	4.4	4.8	4.9	5.3	5.9
	Y=8H	15.3	15.7	15.8	16.2	16.7	4.3	4.7	4.9	5.2	5.7
	Y=12H	15.3	15.6	15.8	16.1	16.7	4.3	4.6	4.8	5.1	5.7
X=12H	Y=4H	15.5	16.1	16.0	16.6	17.0	4.6	5.2	5.1	5.6	6.1
	Y=6H	15.5	15.9	16.0	16.3	16.9	4.6	5.0	5.1	5.4	6.0
	Y=8H	15.4	15.8	16.0	16.3	16.8	4.5	4.9	5.0	5.4	5.9
Variations with the objverver position at spacings											
S=1.0H		7.8/0.0					0.0/0.0				
S=1.5H		6.5/0.0					0.0/0.0				
S=2.0H		6.8/0.0					9.3/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.9					6.3				

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

IES Indoor Report

Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.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	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49	319. 49
γ 1. 0	273. 76	200. 34	165. 99	231. 55	337. 07	477. 12	354. 13	313. 34	286. 95	333. 82	394. 02	476. 61
γ 2. 0	233. 99	146. 89	111. 79	180. 65	306. 63	474. 15	393. 86	371. 23	349. 33	384. 51	419. 23	473. 01
γ 3. 0	195. 84	99. 68	67. 82	132. 46	275. 78	469. 12	431. 78	426. 99	409. 99	431. 63	442. 63	467. 26
γ 4. 0	158. 99	61. 45	32. 76	91. 36	243. 84	462. 05	467. 55	479. 12	466. 09	475. 01	463. 42	459. 52
γ 5. 0	124. 69	31. 22	11. 37	57. 37	212. 51	453. 09	500. 23	525. 12	515. 97	512. 85	481. 56	450. 00
γ 6. 0	94. 39	12. 01	3. 99	30. 77	181. 97	442. 36	528. 62	564. 27	558. 56	544. 84	496. 39	438. 73
γ 7. 0	69. 12	4. 31	2. 99	13. 19	152. 17	429. 83	552. 41	597. 85	595. 07	572. 77	508. 45	426. 03
γ 8. 0	48. 23	2. 90	2. 83	4. 90	124. 70	415. 72	572. 90	626. 84	627. 54	596. 50	517. 20	411. 58
γ 9. 0	30. 96	2. 68	2. 80	2. 74	99. 41	400. 54	588. 72	653. 05	657. 79	618. 02	523. 85	395. 98
γ 10. 0	17. 81	2. 53	2. 57	2. 43	77. 04	383. 90	601. 06	676. 51	685. 38	637. 54	527. 87	378. 72
γ 11. 0	8. 92	2. 32	2. 21	2. 29	59. 12	366. 49	609. 93	698. 05	710. 98	654. 72	528. 83	360. 19
γ 12. 0	4. 08	2. 02	2. 57	2. 10	43. 74	348. 60	616. 17	716. 20	732. 34	670. 47	527. 84	340. 93
γ 13. 0	2. 04	1. 68	7. 89	1. 80	30. 93	330. 13	620. 09	731. 40	751. 02	682. 34	525. 17	321. 02
γ 14. 0	1. 40	3. 46	5. 65	1. 35	20. 47	311. 32	621. 48	744. 09	765. 29	691. 57	520. 18	300. 27
γ 15. 0	0. 98	10. 04	0. 00	1. 03	12. 76	292. 83	621. 10	753. 50	777. 36	698. 17	513. 60	279. 21
γ 16. 0	0. 62	6. 54	0. 00	2. 60	7. 07	274. 11	618. 86	761. 11	785. 60	702. 05	505. 85	258. 16
γ 17. 0	0. 25	0. 00	0. 00	7. 84	3. 45	256. 14	613. 68	765. 63	790. 50	703. 57	496. 24	237. 26
γ 18. 0	0. 00	0. 00	0. 00	5. 52	1. 44	238. 74	607. 21	767. 48	792. 99	702. 97	485. 15	216. 76
γ 19. 0	0. 00	0. 00	0. 00	0. 00	0. 39	221. 32	598. 77	767. 59	791. 61	699. 82	473. 08	196. 98
γ 20. 0	0. 00	0. 00	0. 00	0. 00	0. 00	204. 98	588. 97	765. 13	788. 52	694. 74	459. 86	177. 97
γ 21. 0	0. 00	0. 00	0. 00	0. 00	0. 00	189. 08	577. 92	760. 45	782. 66	687. 85	445. 10	159. 66
γ 22. 0	0. 00	0. 00	0. 00	0. 00	0. 00	173. 70	565. 03	753. 68	774. 57	679. 72	428. 78	142. 63
γ 23. 0	0. 31	0. 00	0. 00	0. 00	0. 00	159. 20	551. 57	745. 49	764. 14	669. 64	412. 69	126. 42
γ 24. 0	0. 63	0. 00	0. 00	0. 00	0. 00	145. 70	537. 67	735. 55	752. 90	658. 30	396. 31	111. 58
γ 25. 0	0. 00	0. 00	0. 00	0. 00	0. 00	132. 60	522. 50	723. 67	739. 69	646. 35	378. 71	97. 60
γ 26. 0	0. 00	0. 00	0. 00	0. 00	0. 00	120. 25	507. 16	711. 06	725. 14	633. 74	361. 56	84. 78
γ 27. 0	0. 00	0. 00	0. 00	0. 00	0. 00	108. 90	490. 63	697. 44	710. 10	619. 77	344. 60	73. 17
γ 28. 0	0. 00	0. 00	0. 00	0. 00	0. 00	98. 34	473. 72	682. 75	694. 28	605. 32	326. 90	62. 86
γ 29. 0	0. 00	0. 00	0. 00	0. 00	0. 00	88. 69	457. 31	667. 04	678. 24	590. 74	309. 73	53. 62
γ 30. 0	0. 00	0. 00	0. 00	0. 00	0. 00	80. 03	440. 27	651. 21	661. 69	576. 18	293. 80	45. 60
γ 31. 0	0. 00	0. 00	0. 00	0. 00	0. 00	71. 94	423. 35	635. 69	645. 38	561. 45	277. 73	38. 43
γ 32. 0	0. 00	0. 00	0. 00	0. 00	0. 00	64. 61	406. 64	619. 30	628. 99	546. 49	262. 04	32. 16
γ 33. 0	0. 00	0. 00	0. 00	0. 00	0. 00	57. 80	389. 89	602. 78	612. 42	531. 62	247. 11	26. 57
γ 34. 0	0. 00	0. 00	0. 00	0. 00	0. 00	51. 81	373. 54	586. 29	596. 37	517. 39	232. 95	21. 62
γ 35. 0	0. 00	0. 00	0. 00	0. 00	0. 00	46. 23	357. 83	570. 39	580. 52	503. 33	219. 21	17. 31
γ 36. 0	0. 00	0. 00	0. 00	0. 00	0. 00	41. 21	342. 13	554. 89	565. 28	489. 55	206. 22	13. 62
γ 37. 0	0. 00	0. 00	0. 00	0. 00	0. 00	36. 37	327. 07	539. 51	550. 08	475. 95	194. 14	10. 69
γ 38. 0	0. 00	0. 00	0. 00	0. 00	0. 00	31. 71	312. 40	524. 33	535. 46	462. 64	182. 35	8. 15
γ 39. 0	0. 00	0. 00	0. 00	0. 00	0. 00	27. 11	298. 14	509. 67	521. 26	450. 07	171. 22	6. 07
γ 40. 0	0. 00	0. 00	0. 00	0. 00	0. 00	22. 99	284. 84	495. 58	507. 43	437. 73	160. 77	4. 32
γ 41. 0	0. 00	0. 00	0. 00	0. 00	0. 00	19. 39	271. 85	481. 73	494. 19	425. 76	150. 71	2. 97
γ 42. 0	0. 00	0. 00	0. 00	0. 00	0. 00	16. 19	259. 38	468. 42	481. 19	414. 11	141. 36	1. 74
γ 43. 0	0. 00	0. 00	0. 00	0. 00	0. 00	13. 45	247. 60	455. 38	468. 81	402. 84	132. 57	0. 83
γ 44. 0	0. 00	0. 00	0. 00	0. 00	0. 00	11. 05	236. 04	442. 80	456. 53	392. 38	124. 26	0. 00
γ 45. 0	0. 00	0. 00	0. 00	0. 00	0. 00	8. 93	224. 94	430. 77	444. 61	381. 67	116. 18	0. 00
γ 46. 0	0. 00	0. 00	0. 00	0. 00	0. 00	7. 08	214. 71	418. 74	433. 26	371. 25	108. 91	0. 00

Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

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	0.00	0.00	0.00	0.00	0.00	5.57	204.66	407.20	421.83	360.88	101.81	0.00
γ 48.0	0.00	0.00	0.00	0.00	0.00	4.22	195.09	396.17	410.87	350.80	95.03	0.00
γ 49.0	0.00	0.00	0.00	0.00	0.00	3.17	186.03	385.24	400.47	340.99	88.77	0.00
γ 50.0	0.00	0.00	0.00	0.00	0.00	2.08	177.12	374.56	389.93	331.62	82.78	0.00
γ 51.0	0.00	0.00	0.00	0.00	0.00	1.16	168.72	364.09	379.62	322.38	77.10	0.00
γ 52.0	0.00	0.00	0.00	0.00	0.00	0.28	160.58	353.70	369.51	313.06	71.74	0.00
γ 53.0	0.00	0.00	0.00	0.00	0.00	0.00	152.67	343.61	359.59	303.99	66.78	0.00
γ 54.0	0.00	0.00	0.00	0.00	0.00	0.00	145.18	333.74	349.89	295.13	62.01	0.00
γ 55.0	0.00	0.00	0.00	0.00	0.00	0.00	137.79	324.03	340.20	286.61	57.45	0.00
γ 56.0	0.00	0.00	0.00	0.00	0.00	0.00	130.79	314.35	330.71	277.98	53.12	0.00
γ 57.0	0.00	0.00	0.00	0.00	0.00	0.00	124.03	304.63	321.22	269.27	49.05	0.00
γ 58.0	0.00	0.00	0.00	0.00	0.00	0.00	117.58	294.83	311.91	260.55	45.28	0.00
γ 59.0	0.00	0.00	0.00	0.00	0.00	0.00	111.32	284.97	302.72	251.90	41.60	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	105.27	275.16	293.54	243.26	38.26	0.00
γ 61.0	0.00	0.00	0.00	0.00	0.00	0.00	99.32	265.17	284.34	234.64	35.07	0.00
γ 62.0	0.00	0.00	0.00	0.00	0.00	0.00	93.60	255.17	274.88	225.87	32.00	0.00
γ 63.0	0.00	0.00	0.00	0.00	0.00	0.00	87.95	244.64	264.25	216.66	29.13	0.00
γ 64.0	0.00	0.00	0.00	0.00	0.00	0.00	82.40	233.57	251.44	207.22	26.38	0.00
γ 65.0	0.00	0.00	0.00	0.00	0.00	0.00	77.00	221.87	237.86	197.30	23.62	0.00
γ 66.0	0.00	0.00	0.00	0.00	0.00	0.00	71.60	210.06	224.41	187.25	21.15	0.00
γ 67.0	0.00	0.00	0.00	0.00	0.00	0.00	66.30	197.95	211.07	176.98	18.81	0.00
γ 68.0	0.00	0.00	0.00	0.00	0.00	0.00	61.00	185.81	197.57	166.57	16.58	0.00
γ 69.0	0.00	0.00	0.00	0.00	0.00	0.00	55.88	173.37	184.14	155.84	14.39	0.00
γ 70.0	0.00	0.00	0.00	0.00	0.00	0.00	50.82	160.73	170.81	144.95	12.40	0.00
γ 71.0	0.00	0.00	0.00	0.00	0.00	0.00	45.92	148.27	157.43	133.90	10.56	0.00
γ 72.0	0.00	0.00	0.00	0.00	0.00	0.00	40.95	135.73	144.31	122.79	8.86	0.00
γ 73.0	0.00	0.00	0.00	0.00	0.00	0.00	36.19	123.17	131.21	111.82	7.12	0.00
γ 74.0	0.00	0.00	0.00	0.00	0.00	0.00	31.58	110.72	118.06	100.53	5.69	0.00
γ 75.0	0.00	0.00	0.00	0.00	0.00	0.00	27.02	98.29	105.09	89.22	4.19	0.00
γ 76.0	0.00	0.00	0.00	0.00	0.00	0.00	22.82	86.06	92.42	78.08	2.84	0.00
γ 77.0	0.00	0.00	0									

Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

[illegible]

Photometric Filename:UL-15W-COB-1500-L-20×50度-3000K.IES

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	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 142.0	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 143.0	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 144.0	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 145.0	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 146.0	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 147.0	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 148.0	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 149.0	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 151.0	0.00	0.00	0.00	0.28	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 152.0	0.00	0.00	0.00	0.29	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 153.0	0.00	0.00	0.00	0.27	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 154.0	0.00	0.00	0.00	0.24	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 155.0	0.00	0.00	0.00	0.21	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 156.0	0.00	0.00	0.00	0.14	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 157.0	0.00	0.00	0.00	0.20	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 158.0	0.00	0.00	0.00	0.10	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 159.0	0.00	0.00	0.00	0.06	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 160.0	0.00	0.00	0.00	0.05	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 161.0	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 162.0	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 163.0	0.00	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 164.0	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 165.0	0.00	0.00	0.00	0.00	0.57	0.03	0.00	0.00	0.00	0.00	0.00	0.00
γ 166.0	0.00	0.00	0.00	0.00	0.58	0.19	0.00	0.00	0.00	0.00	0.00	0.00
γ 167.0	0.00	0.00	0.00	0.00	0.49	0.26	0.00	0.00	0.00	0.00	0.00	0.00
γ 168.0	0.00	0.00	0.00	0.00	0.55	0.32	0.00	0.00	0.00	0.00	0.00	0.00
γ 169.0	0.00	0.00	0.00	0.00	0.49	0.34	0.00	0.00	0.00	0.00	0.00	0.06
γ 170.0	0.00	0.00	0.00	0.00	0.47	0.40	0.00	0.00	0.00	0.00	0.00	0.12
γ 171.0	0.00	0.00	0.00	0.00	0.41	0.50	0.00	0.00	0.00	0.00	0.00	0.20
γ 172.0	0.00	0.00	0.00	0.00	0.31	0.49	0.00	0.00	0.00	0.00	0.00	0.26