

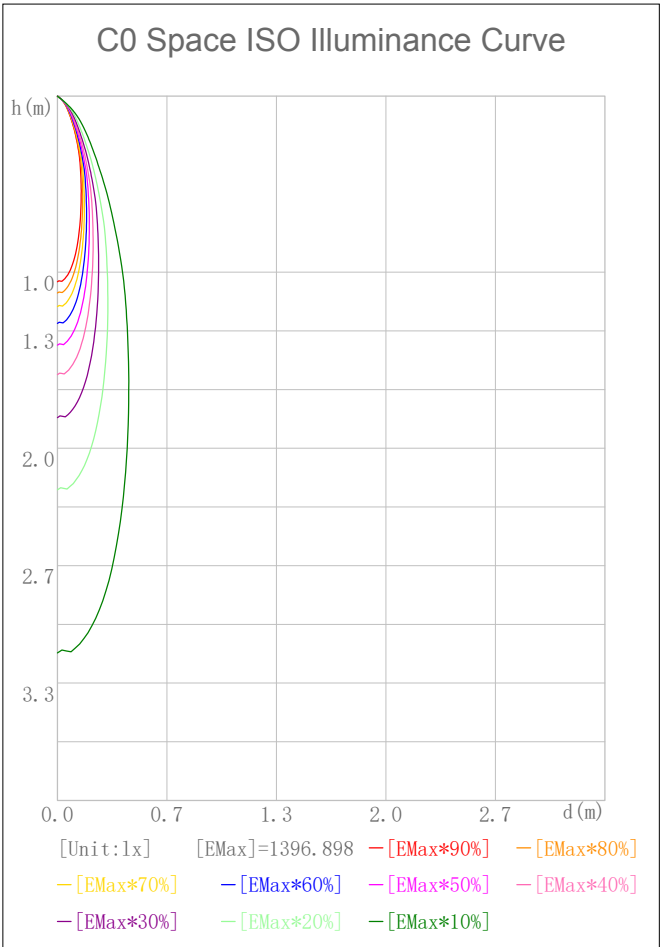
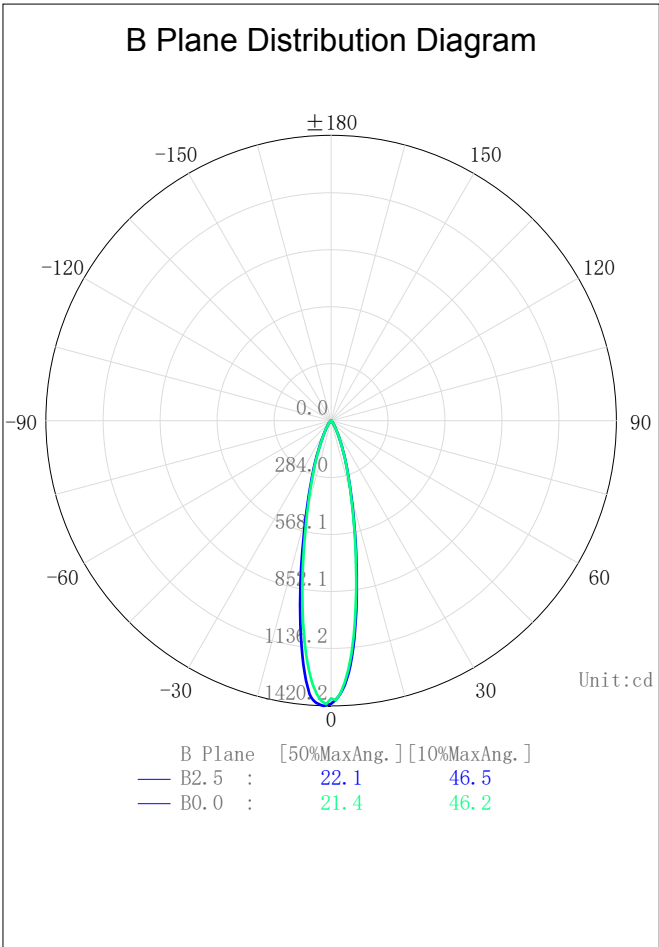
Flood Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2021/03/01
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(%):

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 294.600	Luminary Flux(lm): 294.385	Beam Lumens(lm): 113.62	
Rated Power(W):	Luminary Efficiency: 99.93%	Beam Efficiency(%): 38.60	
Rated Voltage(V):	Luminary EER(lm/W): 21.118	Field Lumens(lm): 241.95	
Tested Power(W): 13.940	Max. Candela(cd): 1420.222	Field Efficiency(%): 82.19	
Lamps' Inside: 1	Max Cand@Ang. (°): B=2.5 β=-1.5	ErP ϕ use(90°): 296.551lm	
Tested Electrics (V, A, pf):23.8, 0.584	Beam Angle(50%) (V, H): 21.6(°), 21.5(°)	IRF(%): 1077.022	
Lamp Size (W*L*H):0.050m*0.050m*0.000m	Field Angle(10%) (V, H): 46.2(°), 46.8(°)		

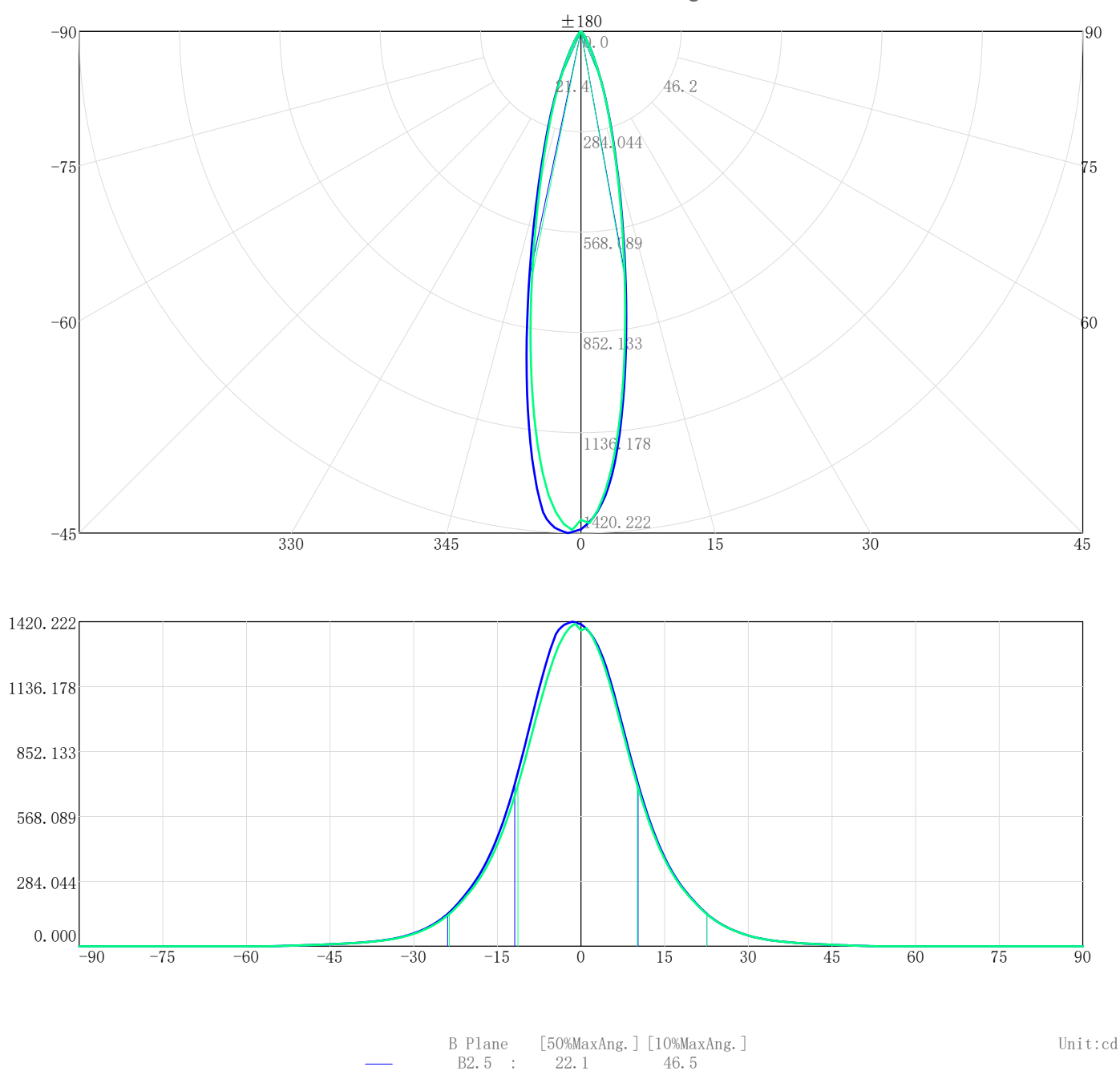


Photometric Filename:UL-15W-COB-1200-J-20D.IES

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: 2021/03/01

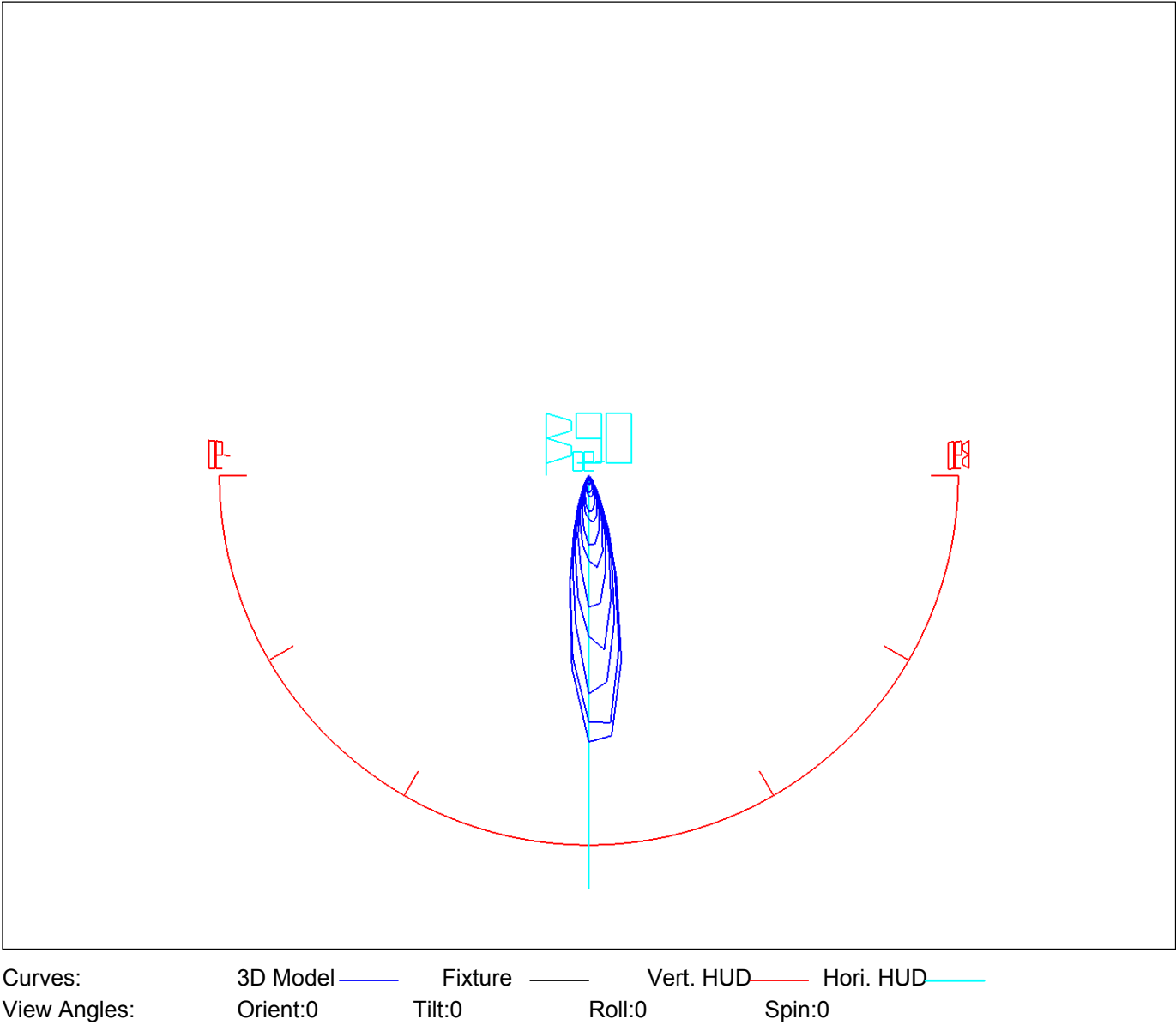
B Plane Distribution Diagram



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: 2021/03/01

3D Light Intensity Distribution Modal



IES Flood Report
Photometric Filename:UL-15W-COB-1200-J-20D.IES

Zone Lumens Tabulation

	β -90.0	β -85.0	β -80.0	β -75.0	β -70.0	β -65.0	β -60.0	β -55.0	β -50.0	β -45.0	β -40.0	β -35.0	β -30.0
B-90.0													
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
B-35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05
B-30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07
B-25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.10
B-20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.13
B-15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.10	0.17
B-10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.11	0.21
B-5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.12	0.24
B0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.13	0.26
B5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.13	0.25
B10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.12	0.23
B15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.10	0.19
B20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.08	0.14
B25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.06	0.10
B30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.07
B35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05
B40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
B45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
B50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

	β -30.0	β -25.0	β -20.0	β -15.0	β -10.0	β -5.0	β 0.0	β 5.0	β 10.0	β 15.0	β 20.0	β 25.0	β 30.0
B-90.0													
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-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	0.00
B-50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Zone Lumens Tabulation - (Cont.)

	β -30.0	β -25.0	β -20.0	β -15.0	β -10.0	β -5.0	β 0.0	β 5.0	β 10.0	β 15.0	β 20.0	β 25.0	β 30.0
B-50.0													
B-45.0	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	
B-40.0	0.02	0.03	0.04	0.05	0.05	0.06	0.06	0.05	0.05	0.04	0.02	0.01	
B-35.0	0.04	0.05	0.07	0.09	0.10	0.11	0.11	0.10	0.09	0.07	0.05	0.03	
B-30.0	0.07	0.10	0.13	0.16	0.19	0.20	0.20	0.18	0.15	0.12	0.08	0.06	
B-25.0	0.11	0.16	0.23	0.31	0.38	0.41	0.40	0.35	0.28	0.20	0.13	0.09	
B-20.0	0.15	0.25	0.41	0.60	0.77	0.86	0.83	0.71	0.52	0.35	0.21	0.13	
B-15.0	0.23	0.41	0.72	1.13	1.51	1.69	1.63	1.36	0.96	0.58	0.33	0.18	
B-10.0	0.33	0.63	1.18	1.93	2.77	3.25	3.07	2.38	1.57	0.92	0.50	0.26	
B-5.0	0.44	0.90	1.73	3.01	4.78	5.98	5.53	3.91	2.35	1.37	0.73	0.36	
B0.0	0.52	1.13	2.23	4.18	7.01	9.12	8.42	5.91	3.47	1.87	0.94	0.44	
B5.0	0.57	1.25	2.53	4.89	8.34	10.49	9.96	7.14	4.01	2.07	1.03	0.47	
B10.0	0.56	1.22	2.45	4.53	7.13	8.80	8.24	5.89	3.48	1.88	0.93	0.44	
B15.0	0.48	1.01	1.92	3.14	4.57	5.58	5.27	3.88	2.49	1.43	0.73	0.36	
B20.0	0.37	0.70	1.22	1.92	2.63	3.08	2.95	2.31	1.57	0.94	0.51	0.26	
B25.0	0.25	0.43	0.70	1.05	1.40	1.61	1.55	1.25	0.87	0.55	0.32	0.18	
B30.0	0.16	0.25	0.38	0.54	0.69	0.78	0.75	0.62	0.46	0.31	0.20	0.12	
B35.0	0.10	0.15	0.21	0.27	0.33	0.37	0.36	0.30	0.24	0.17	0.12	0.08	
B40.0	0.07	0.09	0.12	0.15	0.17	0.18	0.18	0.16	0.13	0.10	0.08	0.05	
B45.0	0.04	0.05	0.07	0.08	0.09	0.10	0.10	0.09	0.08	0.06	0.04	0.03	
B50.0	0.02	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.01	
B55.0	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.01	0.02	0.05	0.08	0.12	0.17	0.23	0.31	0.42	0.57	

	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0	β 90.0
B-90.0													
B-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	
B-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	
B-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	
B-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	
B-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	
B-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	
B-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	
B-50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-40.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-35.0	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-30.0	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-25.0	0.07	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-20.0	0.10	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-15.0	0.14	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
B-10.0													

Zone Lumens Tabulation - (Cont.)

	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0	β 90.0
B-10.0													
B-5.0	0.18	0.09	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B0.0	0.21	0.10	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B5.0	0.22	0.11	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B10.0	0.20	0.10	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B15.0	0.17	0.09	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B20.0	0.14	0.07	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B25.0	0.10	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B30.0	0.08	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B35.0	0.05	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B40.0	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B45.0	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.79	1.10	1.54	2.13	2.89	3.84	5.02	6.45	8.04	9.56	10.68	11.02	

β 90.0	Total
B-90.0	
B-85.0	0.00
B-80.0	0.00
B-75.0	0.00
B-70.0	0.00
B-65.0	0.00
B-60.0	0.00
B-55.0	0.00
B-50.0	0.00
B-45.0	0.00
B-40.0	0.00
B-35.0	0.00
B-30.0	0.00
B-25.0	0.00
B-20.0	0.00
B-15.0	0.00
B-10.0	0.02
B-5.0	0.06
B0.0	0.10
B5.0	0.15
B10.0	0.21
B15.0	0.29
B20.0	0.40
B25.0	0.53
B30.0	

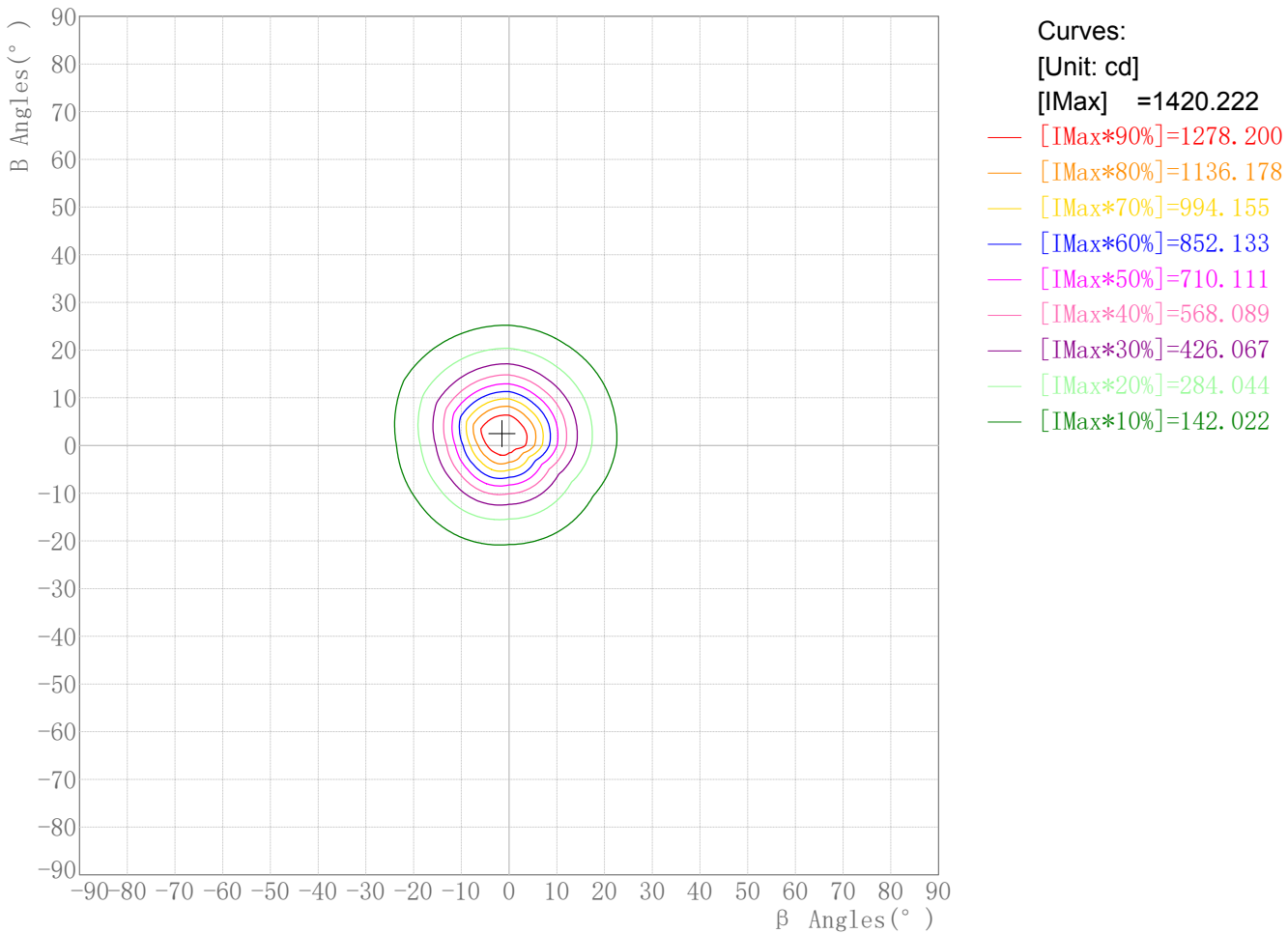
Zone Lumens Tabulation - (Cont.)

ø 90.0	Total
B30.0	0.73
B35.0	1.00
B40.0	1.37
B45.0	1.89
B50.0	2.56
B55.0	3.41
B60.0	4.51
B65.0	5.92
B70.0	7.65
B75.0	9.60
B80.0	11.54
B85.0	13.12
B90.0	
Total	294.39

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: 2021/03/01

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 1420.22

Maximum Cand.@Angle: H=-1.5°,V=2.5°

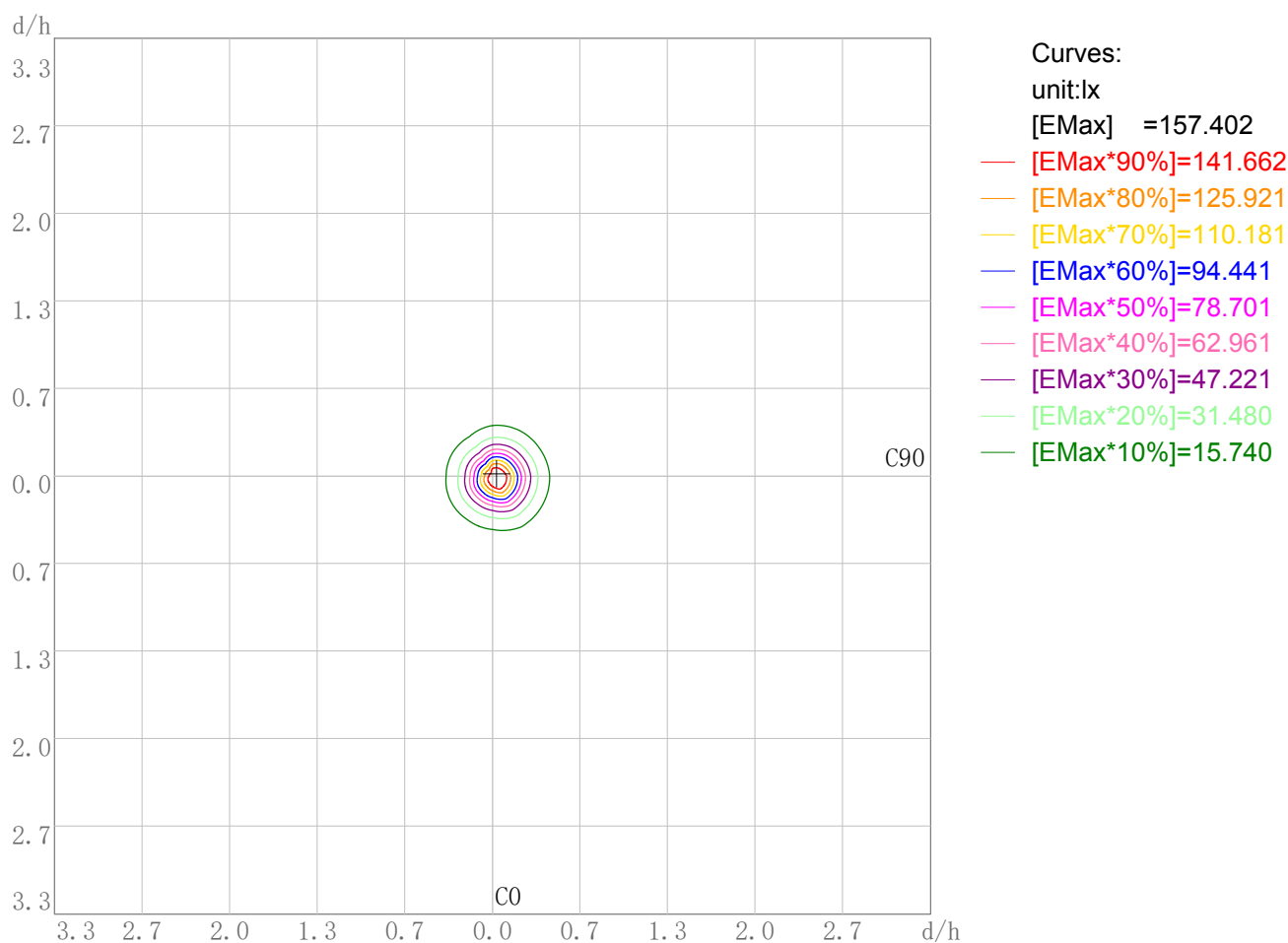
IES Flood Report

Photometric Filename:UL-15W-COB-1200-J-20D.IES

Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2021/03/01

Plane ISO-Illuminance Curve



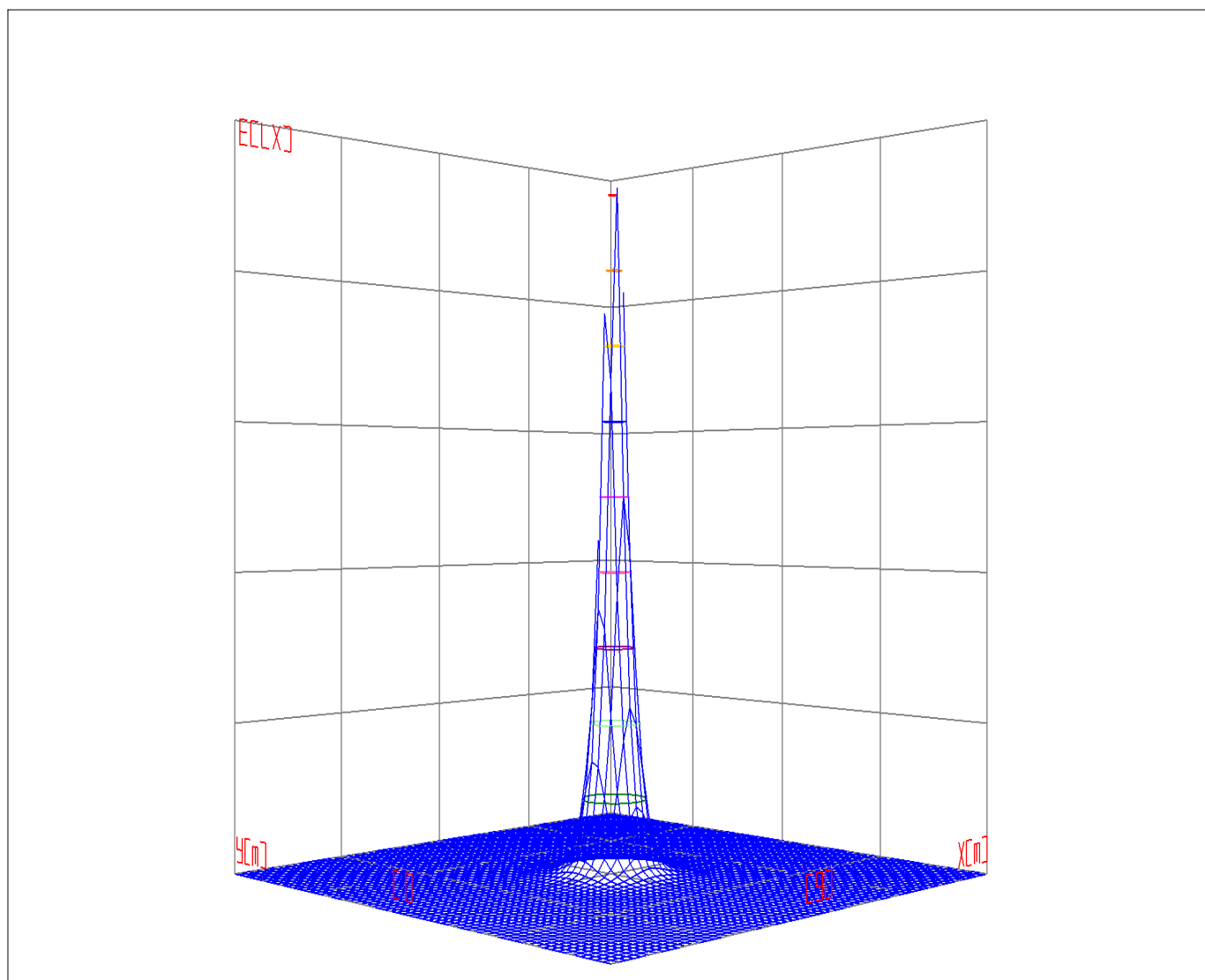
IES Flood Report

Photometric Filename:UL-15W-COB-1200-J-20D.IES

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: 2021/03/01

3D Plane Illuminance Modal



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

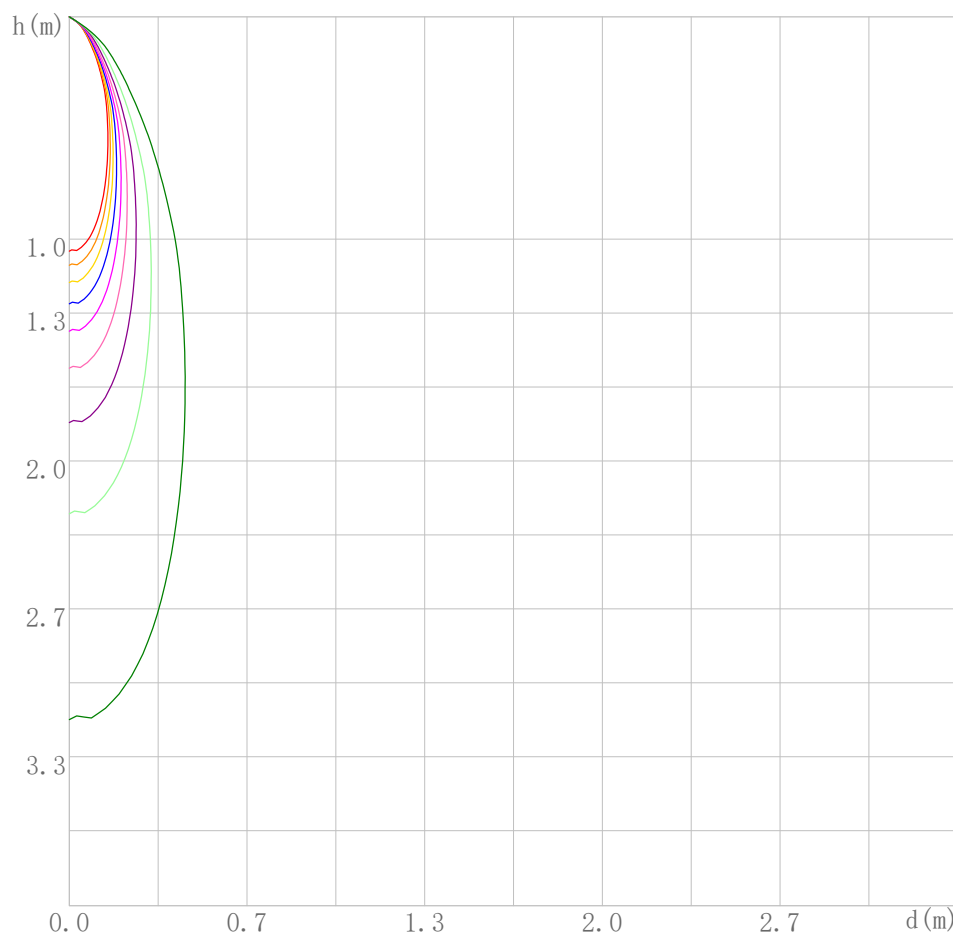
IES Flood Report

Photometric Filename:UL-15W-COB-1200-J-20D.IES

Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2021/03/01

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =1396.898

— [EMax*90%]=1257.208

— [EMax*80%]=1117.518

— [EMax*70%]=977.829

— [EMax*60%]=838.139

— [EMax*50%]=698.449

— [EMax*40%]=558.759

— [EMax*30%]=419.069

— [EMax*20%]=279.380

— [EMax*10%]=139.690

Space Plane Maximum Illuminance and @Angle:1396.90lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:1396.898cd,0deg

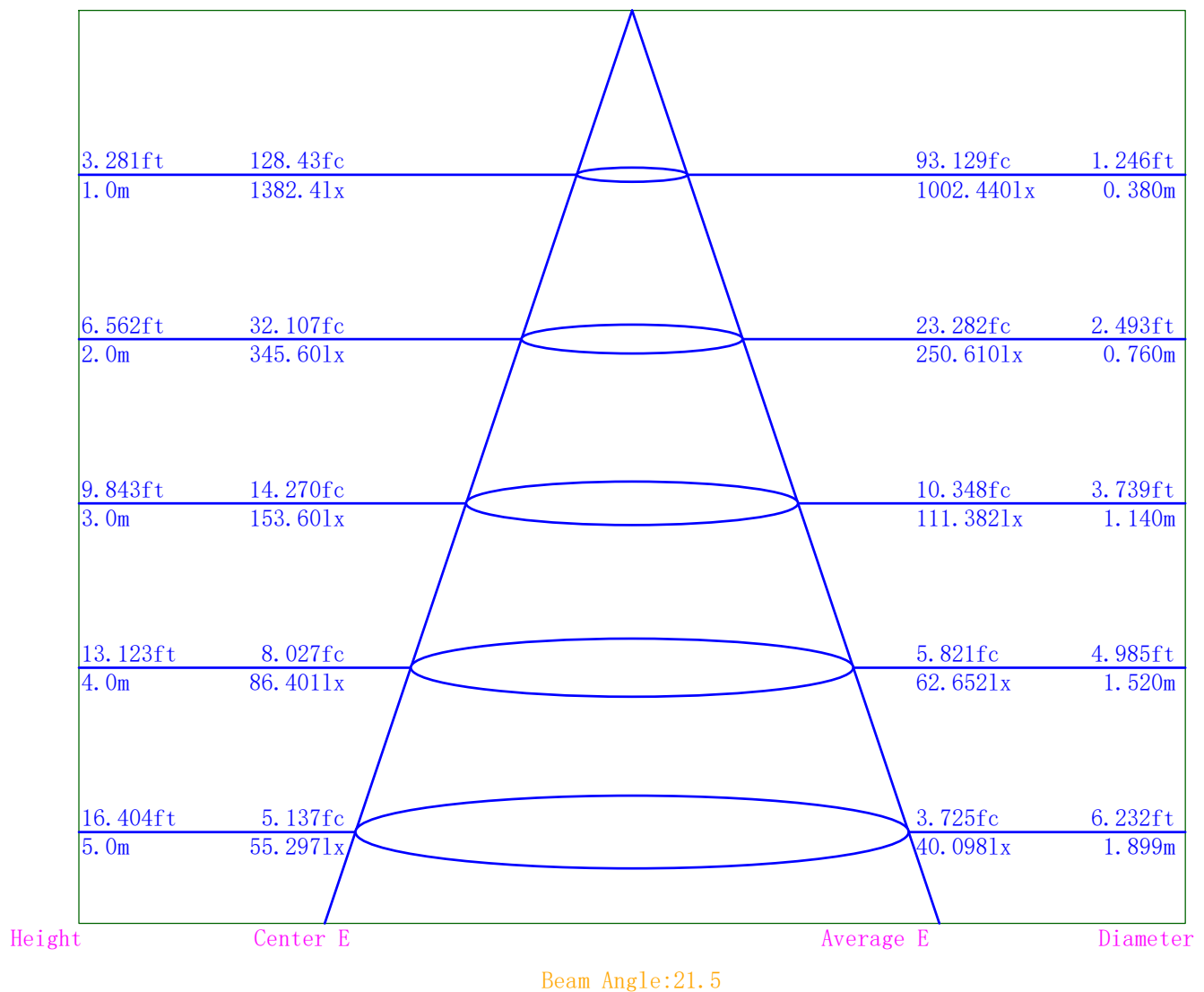
IES Flood Report

Photometric Filename:UL-15W-COB-1200-J-20D.IES

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacturer:	Test Machine:GON-2000	Test Date: 2021/03/01

Illuminance-Distance Curve



Candela Tabulation

V/H	β -90.0	β -85.0	β -80.0	β -75.0	β -70.0	β -65.0	β -60.0	β -55.0	β -50.0	β -45.0	β -40.0	β -35.0
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
B-40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.58
B-35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	2.07	4.27
B-30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	1.57	4.30	7.25
B-25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	3.28	6.70	10.53
B-20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60	4.89	8.90	14.14
B-15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	2.60	6.36	11.09	17.96
B-10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	3.45	7.62	13.00	21.80
B-5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	4.04	8.44	14.52	25.13
B0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	4.37	8.88	15.29	27.02
B5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	4.40	8.97	15.62	28.03
B10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	4.10	8.60	14.94	26.60
B15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	3.56	7.74	13.54	23.49
B20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	2.86	6.61	11.56	19.42
B25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	5.22	9.32	14.97
B30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	3.66	7.05	10.85
B35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	4.57	7.40
B40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	2.42	4.46
B45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	1.89
B50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	β -30.0	β -25.0	β -20.0	β -15.0	β -10.0	β -5.0	β 0.0	β 5.0	β 10.0	β 15.0	β 20.0	β 25.0
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-50.0	0.00	0.00	0.00	0.21	0.72	1.09	1.16	1.03	0.61	0.15	0.00	0.00

Candela Tabulation - (Cont.)

V/H	β -30.0	β -25.0	β -20.0	β -15.0	β -10.0	β -5.0	β 0.0	β 5.0	β 10.0	β 15.0	β 20.0	β 25.0
B-45.0	0.44	1.52	2.59	3.67	4.50	5.01	5.18	4.96	4.43	3.56	2.38	0.99
B-40.0	3.27	4.94	6.27	7.93	9.28	10.15	10.30	9.95	9.04	7.73	6.15	4.25
B-35.0	6.57	8.95	11.78	14.63	17.20	18.74	18.86	18.19	16.29	13.75	10.58	7.76
B-30.0	10.53	14.75	19.92	26.10	32.19	36.37	36.81	34.85	29.67	23.47	17.53	12.35
B-25.0	15.56	22.65	33.79	49.23	64.52	74.88	75.68	70.77	58.14	42.83	28.71	18.94
B-20.0	21.48	34.93	58.52	91.33	128.27	155.28	157.68	144.95	112.43	76.75	48.22	28.26
B-15.0	29.49	53.36	95.93	162.76	235.64	293.68	298.94	267.66	202.01	131.30	75.46	42.12
B-10.0	39.50	77.34	147.46	253.33	403.64	555.31	574.68	486.71	327.42	198.96	114.28	62.53
B-5.0	48.85	100.65	202.47	364.70	629.10	936.86	1003.90	791.67	491.36	294.36	165.66	83.70
B0.0	54.25	114.70	236.18	444.85	818.98	1251.85	1382.42	1163.64	713.74	381.15	202.17	98.23
B5.0	57.07	121.58	251.82	480.11	886.56	1258.61	1355.18	1103.01	694.27	376.25	200.03	96.78
B10.0	52.95	110.66	226.15	403.84	643.78	886.67	973.27	776.99	514.92	304.75	166.33	82.94
B15.0	44.04	87.88	161.23	270.37	395.70	512.13	553.99	463.01	330.08	211.42	118.36	62.95
B20.0	33.25	58.46	99.50	157.50	225.77	280.18	297.63	258.81	190.80	125.49	75.74	42.57
B25.0	23.27	36.28	57.21	85.06	115.00	138.89	146.48	129.31	99.66	69.14	44.46	27.60
B30.0	15.78	22.78	32.03	43.85	56.67	66.28	69.22	62.23	49.95	36.48	25.88	17.81
B35.0	10.61	14.38	18.76	23.78	28.40	31.87	32.90	30.25	25.68	20.42	15.64	11.63
B40.0	6.65	8.94	11.29	13.63	15.53	16.87	17.19	16.19	14.31	12.07	9.45	7.09
B45.0	3.49	5.08	6.42	7.70	8.82	9.44	9.57	9.04	8.09	6.76	5.14	3.42
B50.0	0.75	1.85	2.83	3.67	4.30	4.66	4.72	4.33	3.63	2.66	1.50	0.33
B55.0	0.00	0.00	0.06	0.41	0.75	0.91	0.89	0.64	0.32	0.08	0.00	0.00
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-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
B-50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-40.0	2.09	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-35.0	4.99	2.36	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-30.0	8.22	4.84	1.75	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-25.0	12.02	7.30	3.88	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-20.0	17.01	10.34	6.03	2.43	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-15.0	24.04	14.08	8.12	3.94	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-10.0	32.69	17.99	10.04	5.15	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B-5.0	41.46	21.34	11.58	6.12	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	β 30.0	β 35.0	β 40.0	β 45.0	β 50.0	β 55.0	β 60.0	β 65.0	β 70.0	β 75.0	β 80.0	β 85.0
B0.0	47.18	23.43	12.52	6.69	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B5.0	46.30	23.10	12.40	6.59	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B10.0	40.47	21.01	11.55	6.04	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B15.0	32.22	17.81	10.11	5.14	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B20.0	24.22	14.15	8.29	3.92	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B25.0	17.28	10.83	6.30	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B30.0	12.14	7.75	4.10	1.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B35.0	8.04	4.90	2.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B40.0	4.61	2.24	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B45.0	1.62	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	β 90.0											
B-90.0	0.00											
B-85.0	0.00											
B-80.0	0.00											
B-75.0	0.00											
B-70.0	0.00											
B-65.0	0.00											
B-60.0	0.00											
B-55.0	0.00											
B-50.0	0.00											
B-45.0	0.00											
B-40.0	0.00											
B-35.0	0.00											
B-30.0	0.00											
B-25.0	0.00											
B-20.0	0.00											
B-15.0	0.00											
B-10.0	0.00											
B-5.0	0.00											
B0.0	0.00											
B5.0	0.00											
B10.0	0.00											
B15.0	0.00											
B20.0	0.00											
B25.0	0.00											
B30.0	0.00											
B35.0	0.00											
B40.0	0.00											

Candela Tabulation - (Cont.)

V/H	β 90.0
B45.0	0.00
B50.0	0.00
B55.0	0.00
B60.0	0.00
B65.0	0.00
B70.0	0.00
B75.0	0.00
B80.0	0.00
B85.0	0.00
B90.0	0.00