

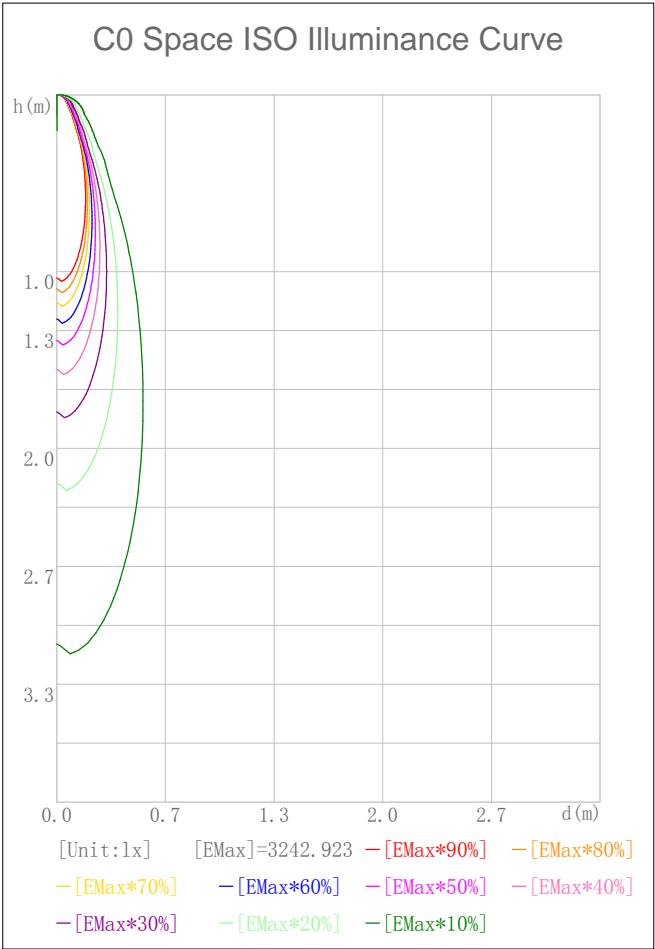
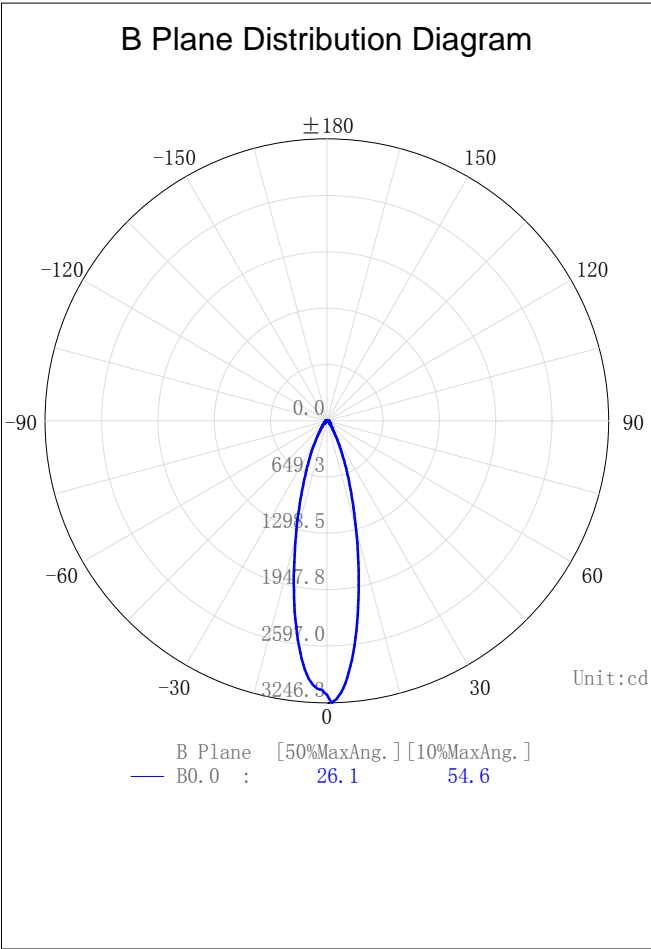
Flood Luminaire Photometric Data

Description Information

Luminary Name: YNT00830 TL2052-15W 120V		Lum. Catalog:	Test ID: YNT00830
Lamp Name:		Lamp Catalog: LED	Test Date: 2018/05/11
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: YUSING		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.040m*0.040m*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

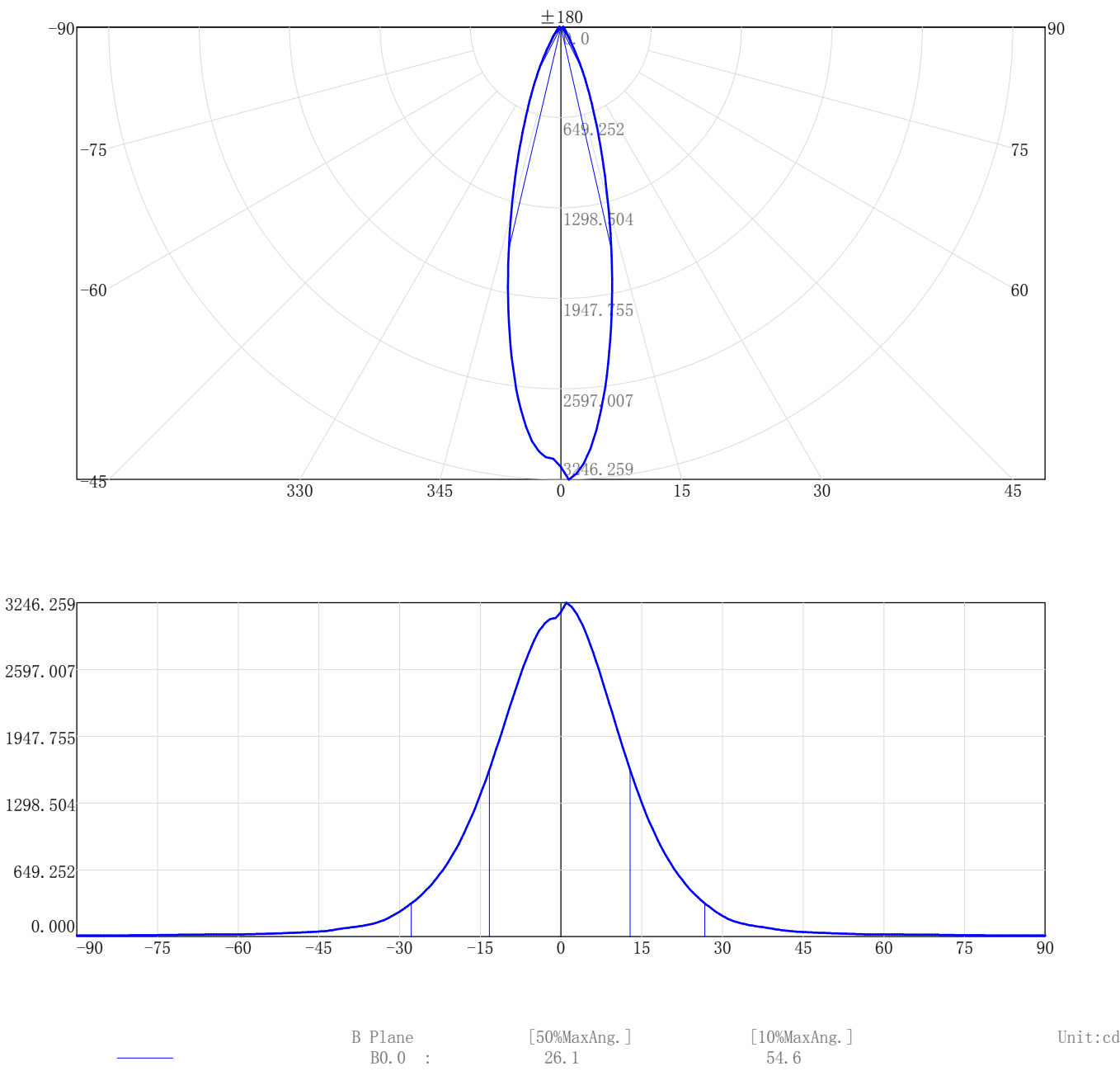
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 965.300		Luminary Flux(lm): 965.297	Beam Lumens(lm): 337.08
Rated Power(W):		Luminary Efficiency: 100.00%	Beam Efficiency(%): 34.92
Rated Voltage(V):		Luminary EER(lm/W): 68.950	Field Lumens(lm): 732.42
Tested Power(W): 14.000		Max. Candela(cd): 3246.259	Field Efficiency(%): 75.87
Lamps' Inside: 1		Max Cand@Ang. (°): B=0.0 β=1.0	ErP ϕuse(90°): 882.250lm
Tested Electrics(V, A, pf):121.2, 0.124, 0.929		Beam Angle(50%) (V, H): 25.2(°), 26.4(°)	IRF(%): 777.611
Lamp Size (W*L*H):0.040m*0.040m*0.000m		Field Angle(10%) (V, H): 53.7(°), 55.1(°)	



2D Plane Light Intensity Distribution Curve

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

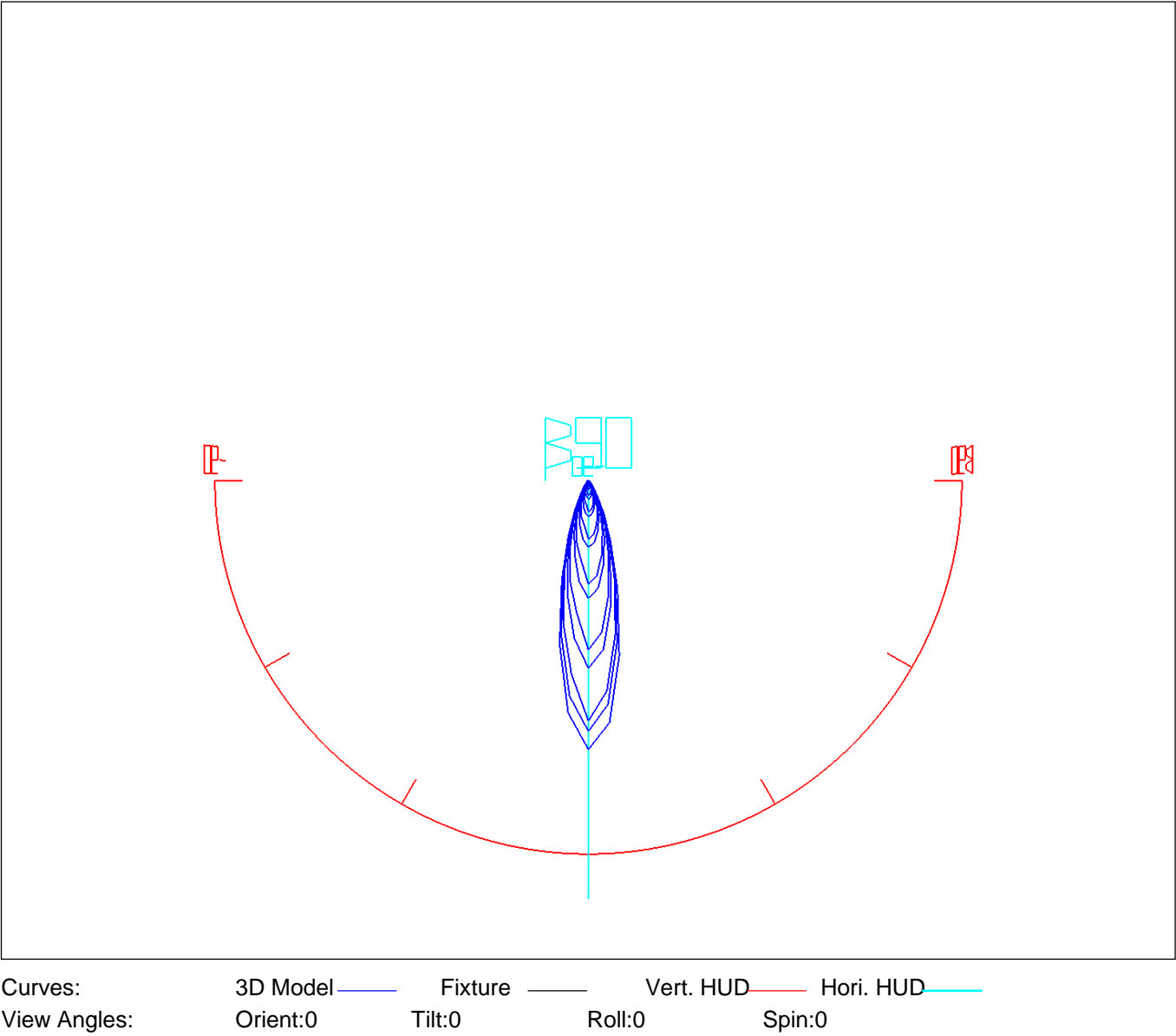
B Plane Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

3D Light Intensity Distribution Modal



IES Flood Report

Photometric Filename:TL2052-15W 120V.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	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	
B-85.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	
B-80.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	
B-75.0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.10	
B-70.0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	
B-65.0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.11	0.12	0.13	
B-60.0	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.10	0.12	0.13	0.14	
B-55.0	0.00	0.01	0.02	0.03	0.04	0.06	0.08	0.09	0.11	0.13	0.14	0.15	
B-50.0	0.00	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.12	0.13	0.15	0.17	
B-45.0	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.12	0.14	0.17	0.21	
B-40.0	0.00	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.16	0.21	0.26	
B-35.0	0.00	0.01	0.02	0.04	0.06	0.07	0.09	0.11	0.14	0.19	0.24	0.31	
B-30.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.12	0.16	0.21	0.28	0.40	
B-25.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.13	0.18	0.24	0.34	0.54	
B-20.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.14	0.19	0.27	0.43	0.66	
B-15.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.14	0.21	0.31	0.51	0.81	
B-10.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.15	0.22	0.34	0.57	0.97	
B-5.0	0.00	0.01	0.02	0.04	0.06	0.08	0.11	0.16	0.23	0.37	0.61	1.10	
B0.0	0.00	0.01	0.03	0.04	0.06	0.08	0.11	0.16	0.23	0.37	0.62	1.12	
B5.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.15	0.22	0.35	0.59	1.02	
B10.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.15	0.21	0.32	0.54	0.87	
B15.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.14	0.20	0.28	0.46	0.72	
B20.0	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.13	0.18	0.25	0.37	0.58	
B25.0	0.00	0.01	0.02	0.04	0.06	0.08	0.09	0.12	0.16	0.22	0.30	0.44	
B30.0	0.00	0.01	0.02	0.04	0.06	0.07	0.09	0.11	0.15	0.20	0.25	0.33	
B35.0	0.00	0.01	0.02	0.04	0.05	0.07	0.09	0.11	0.13	0.17	0.21	0.27	
B40.0	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.18	0.22	
B45.0	0.00	0.01	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.18	
B50.0	0.00	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.13	0.14	0.15	
B55.0	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.14	
B60.0	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.12	0.13	
B65.0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.10	0.11	0.12	
B70.0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	
B75.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	
B80.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	
B85.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	
B90.0	0.00	0.01	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	
Total	0.02	0.06	0.10	0.14	0.18	0.23	0.29	0.35	0.41	0.48	0.54	0.61	

	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	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	
B-85.0	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	
B-80.0	0.09	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.09	
B-75.0	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.10	
B-70.0	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.13	0.12	
B-65.0	0.14	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.16	0.16	0.15	0.14	
B-60.0	0.15	0.16	0.17	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.16	0.15	
B-55.0	0.17	0.18	0.20	0.21	0.22	0.23	0.23	0.22	0.21	0.19	0.17	0.16	
B-50.0													

IES Flood Report

Photometric Filename:TL2052-15W 120V.IES

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	0.20	0.23	0.26	0.28	0.30	0.30	0.30	0.29	0.27	0.25	0.22	0.19	
B-45.0	0.25	0.29	0.33	0.37	0.40	0.41	0.41	0.39	0.35	0.31	0.27	0.23	
B-40.0	0.31	0.39	0.49	0.58	0.64	0.66	0.65	0.61	0.54	0.44	0.35	0.29	
B-35.0	0.42	0.58	0.73	0.87	0.99	1.05	1.03	0.94	0.81	0.67	0.52	0.37	
B-30.0	0.59	0.80	1.11	1.52	1.87	2.05	2.01	1.75	1.36	0.98	0.72	0.52	
B-25.0	0.77	1.20	1.92	2.75	3.48	3.88	3.81	3.29	2.50	1.66	1.02	0.68	
B-20.0	1.05	1.86	3.05	4.58	6.08	6.94	6.81	5.74	4.17	2.68	1.54	0.87	
B-15.0	1.47	2.64	4.45	7.02	9.88	11.65	11.40	9.28	6.37	3.89	2.19	1.13	
B-10.0	1.90	3.50	6.04	9.78	14.30	17.49	17.01	13.26	8.67	5.09	2.79	1.40	
B-5.0	2.22	4.15	7.40	12.26	17.97	22.21	21.28	16.09	10.31	5.91	3.17	1.58	
B0.0	2.27	4.26	7.60	12.63	18.49	22.47	22.59	18.16	12.09	7.10	3.87	1.97	
B5.0	2.05	3.79	6.58	10.62	15.13	18.27	18.09	14.66	10.03	6.08	3.40	1.74	
B10.0	1.67	3.02	5.02	7.67	10.50	12.47	12.32	10.12	7.22	4.59	2.66	1.38	
B15.0	1.22	2.16	3.46	5.01	6.56	7.59	7.50	6.32	4.70	3.13	1.85	1.02	
B20.0	0.86	1.38	2.18	3.06	3.88	4.38	4.32	3.72	2.83	1.91	1.18	0.76	
B25.0	0.63	0.86	1.23	1.70	2.13	2.37	2.32	2.00	1.53	1.09	0.79	0.57	
B30.0	0.45	0.60	0.74	0.91	1.07	1.16	1.15	1.03	0.87	0.71	0.56	0.41	
B35.0	0.33	0.41	0.50	0.59	0.65	0.68	0.68	0.64	0.56	0.47	0.38	0.31	
B40.0	0.26	0.30	0.34	0.39	0.42	0.44	0.44	0.41	0.38	0.33	0.29	0.25	
B45.0	0.21	0.24	0.26	0.29	0.30	0.31	0.31	0.30	0.28	0.26	0.23	0.20	
B50.0	0.17	0.18	0.20	0.22	0.23	0.24	0.24	0.23	0.22	0.20	0.18	0.16	
B55.0	0.15	0.16	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.16	0.15	
B60.0	0.14	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.15	0.14	
B65.0	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.13	
B70.0	0.11	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.11	
B75.0	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	
B80.0	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	
B85.0	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	
B90.0													
Total	0.68	0.76	0.86	0.97	1.10	1.25	1.43	1.68	1.99	2.36	2.83	3.50	

	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	0.08	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
B-85.0	0.08	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
B-80.0	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
B-75.0	0.09	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B-70.0	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B-65.0	0.13	0.12	0.10	0.09	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B-60.0	0.14	0.13	0.11	0.10	0.08	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B-55.0	0.15	0.14	0.12	0.10	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.00	
B-50.0	0.16	0.14	0.13	0.11	0.09	0.08	0.06	0.04	0.03	0.02	0.01	0.00	
B-45.0	0.19	0.16	0.13	0.12	0.10	0.08	0.06	0.05	0.03	0.02	0.01	0.00	
B-40.0	0.23	0.19	0.14	0.12	0.10	0.09	0.07	0.05	0.03	0.02	0.01	0.00	
B-35.0	0.28	0.22	0.17	0.13	0.11	0.09	0.07	0.05	0.03	0.02	0.01	0.00	
B-30.0	0.35	0.25	0.19	0.14	0.11	0.09	0.07	0.05	0.03	0.02	0.01	0.00	
B-25.0	0.45	0.29	0.21	0.15	0.11	0.09	0.07	0.05	0.04	0.02	0.01	0.00	
B-20.0	0.56	0.34	0.23	0.17	0.12	0.09	0.07	0.06	0.04	0.02	0.01	0.00	
B-15.0	0.66	0.40	0.25	0.18	0.12	0.09	0.08	0.06	0.04	0.02	0.01	0.00	
B-10.0													

IES Flood Report

Photometric Filename:TL2052-15W 120V.IES

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	0.74	0.45	0.27	0.18	0.13	0.09	0.08	0.06	0.04	0.02	0.01	0.00	
B0.0	0.79	0.48	0.28	0.19	0.13	0.10	0.08	0.06	0.04	0.02	0.01	0.00	
B5.0	0.95	0.56	0.32	0.21	0.14	0.10	0.08	0.06	0.04	0.02	0.01	0.00	
B10.0	0.88	0.53	0.30	0.20	0.14	0.10	0.08	0.06	0.04	0.02	0.01	0.00	
B15.0	0.76	0.47	0.28	0.20	0.13	0.10	0.08	0.06	0.04	0.02	0.01	0.00	
B20.0	0.64	0.40	0.26	0.18	0.13	0.10	0.08	0.06	0.04	0.02	0.01	0.00	
B25.0	0.51	0.33	0.23	0.17	0.12	0.09	0.08	0.06	0.04	0.02	0.01	0.00	
B30.0	0.39	0.28	0.21	0.15	0.11	0.09	0.07	0.06	0.04	0.02	0.01	0.00	
B35.0	0.31	0.24	0.18	0.13	0.11	0.09	0.07	0.05	0.04	0.02	0.01	0.00	
B40.0	0.25	0.20	0.16	0.12	0.11	0.09	0.07	0.05	0.03	0.02	0.01	0.00	
B45.0	0.21	0.17	0.14	0.12	0.10	0.08	0.07	0.05	0.03	0.02	0.01	0.00	
B50.0	0.17	0.15	0.13	0.11	0.10	0.08	0.06	0.05	0.03	0.02	0.01	0.00	
B55.0	0.15	0.14	0.12	0.11	0.09	0.08	0.06	0.04	0.03	0.02	0.01	0.00	
B60.0	0.14	0.13	0.12	0.10	0.09	0.07	0.05	0.04	0.03	0.02	0.01	0.00	
B65.0	0.13	0.12	0.11	0.09	0.08	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B70.0	0.12	0.11	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B75.0	0.10	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.03	0.02	0.01	0.00	
B80.0	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
B85.0	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
B90.0	0.08	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.03	0.02	0.01	0.00	
Total	4.46	5.71	7.33	9.36	11.89	14.97	18.57	22.56	26.65	30.40	33.25	34.57	

β 90.0	Total
B-90.0	
B-85.0	0.56
B-80.0	0.57
B-75.0	0.57
B-70.0	0.58
B-65.0	0.59
B-60.0	0.61
B-55.0	0.64
B-50.0	0.69
B-45.0	0.74
B-40.0	0.79
B-35.0	0.83
B-30.0	0.87
B-25.0	0.91
B-20.0	0.94
B-15.0	1.00
B-10.0	1.09
B-5.0	1.20
B0.0	1.31
B5.0	1.45
B10.0	1.64
B15.0	1.93
B20.0	2.28
B25.0	2.68
B30.0	3.25

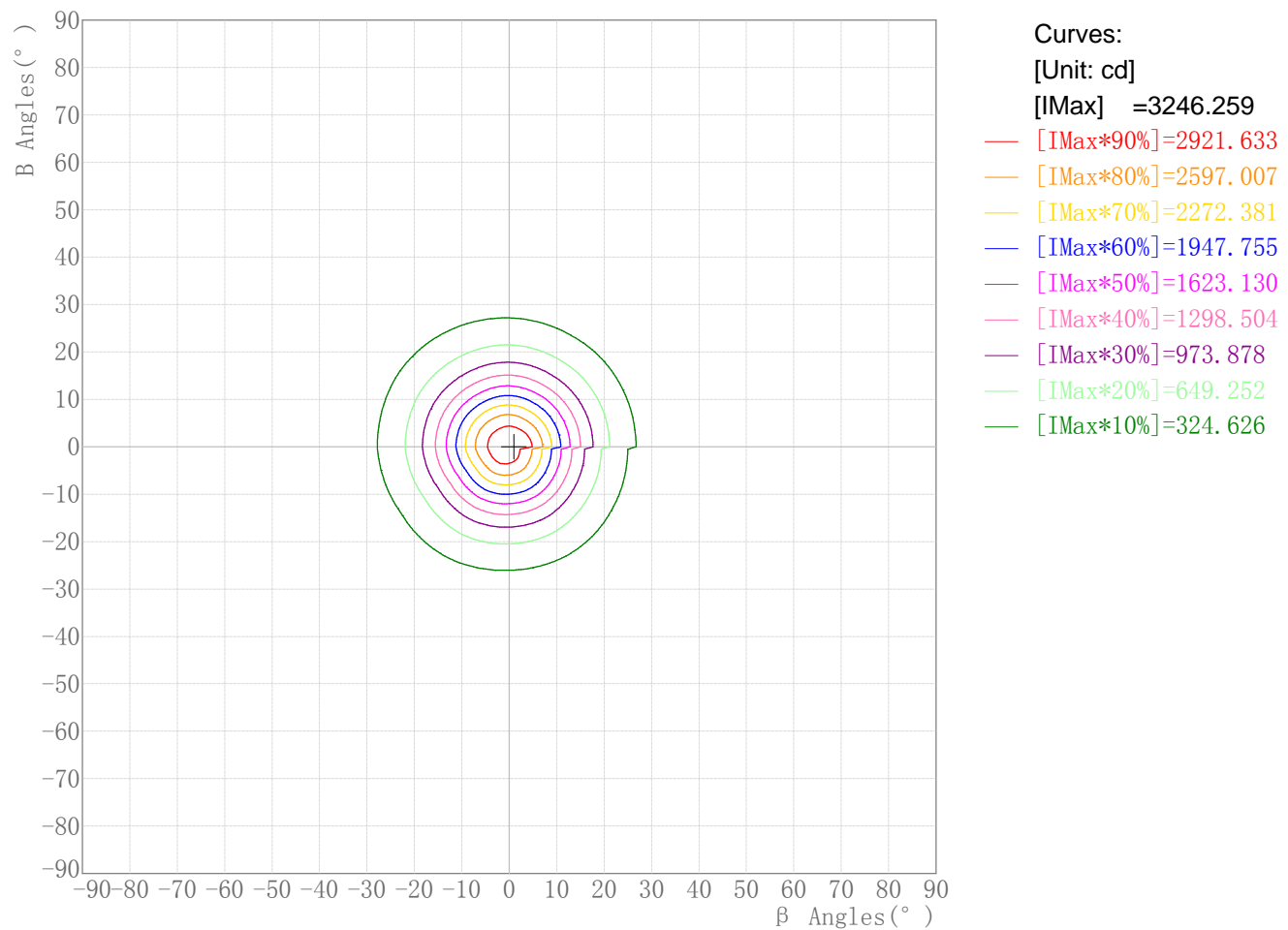
Zone Lumens Tabulation - (Cont.)

β 90.0	Total
B30.0	4.11 5.32 6.88 8.86 11.30 14.27 17.76 21.67 25.80 29.81 33.29 35.72 965.30
B35.0	
B40.0	
B45.0	
B50.0	
B55.0	
B60.0	
B65.0	
B70.0	
B75.0	
B80.0	
B85.0	
B90.0	
Total	

Rectangle ISO Lighting Intensity Diagram

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

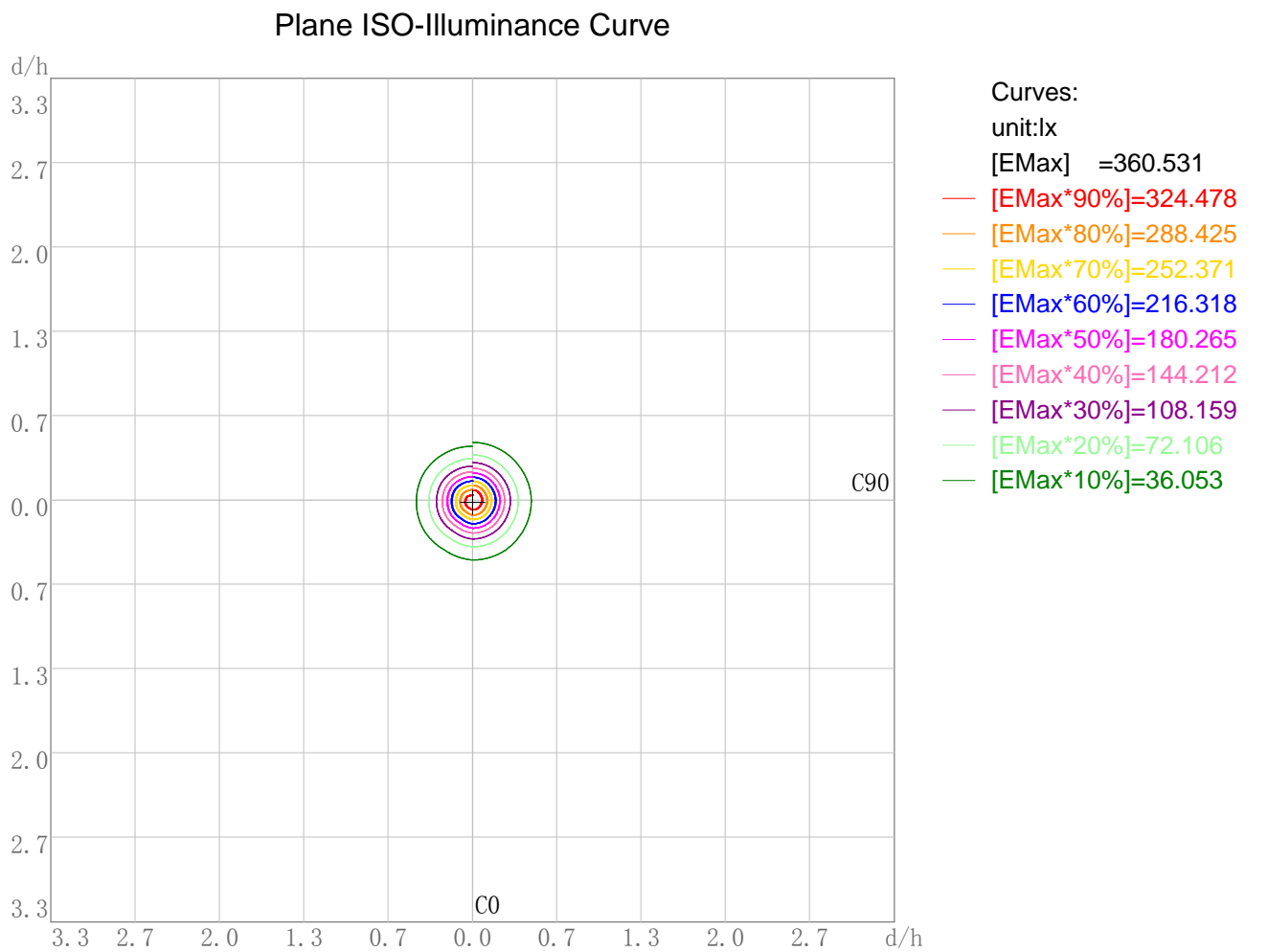
ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 3246.26
Maximum Cand.@Angle: H=1.0°;V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

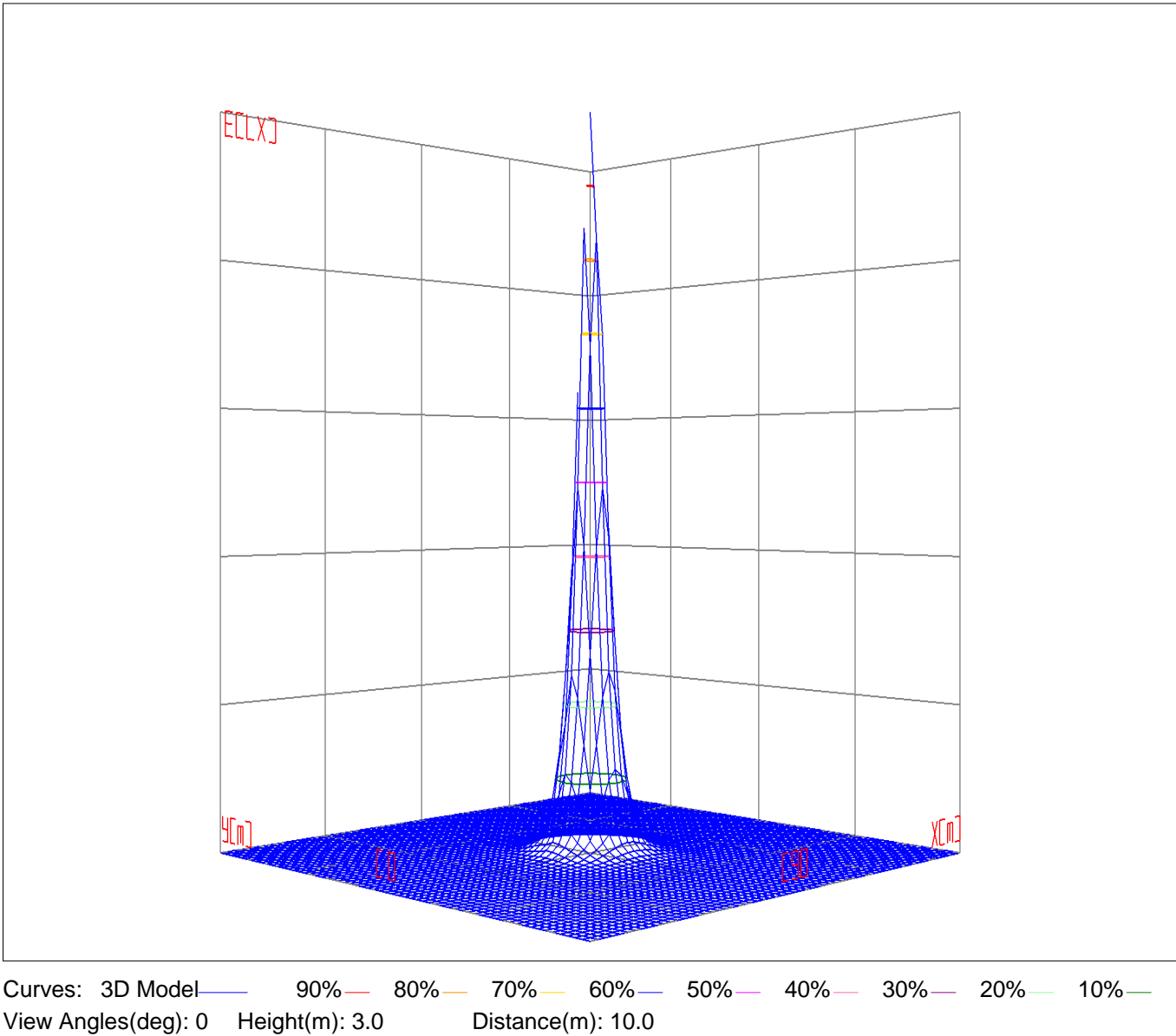


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 360.53
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catelog:	Test ID: YNT00830
Lamp Name:	Lamp Catelog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

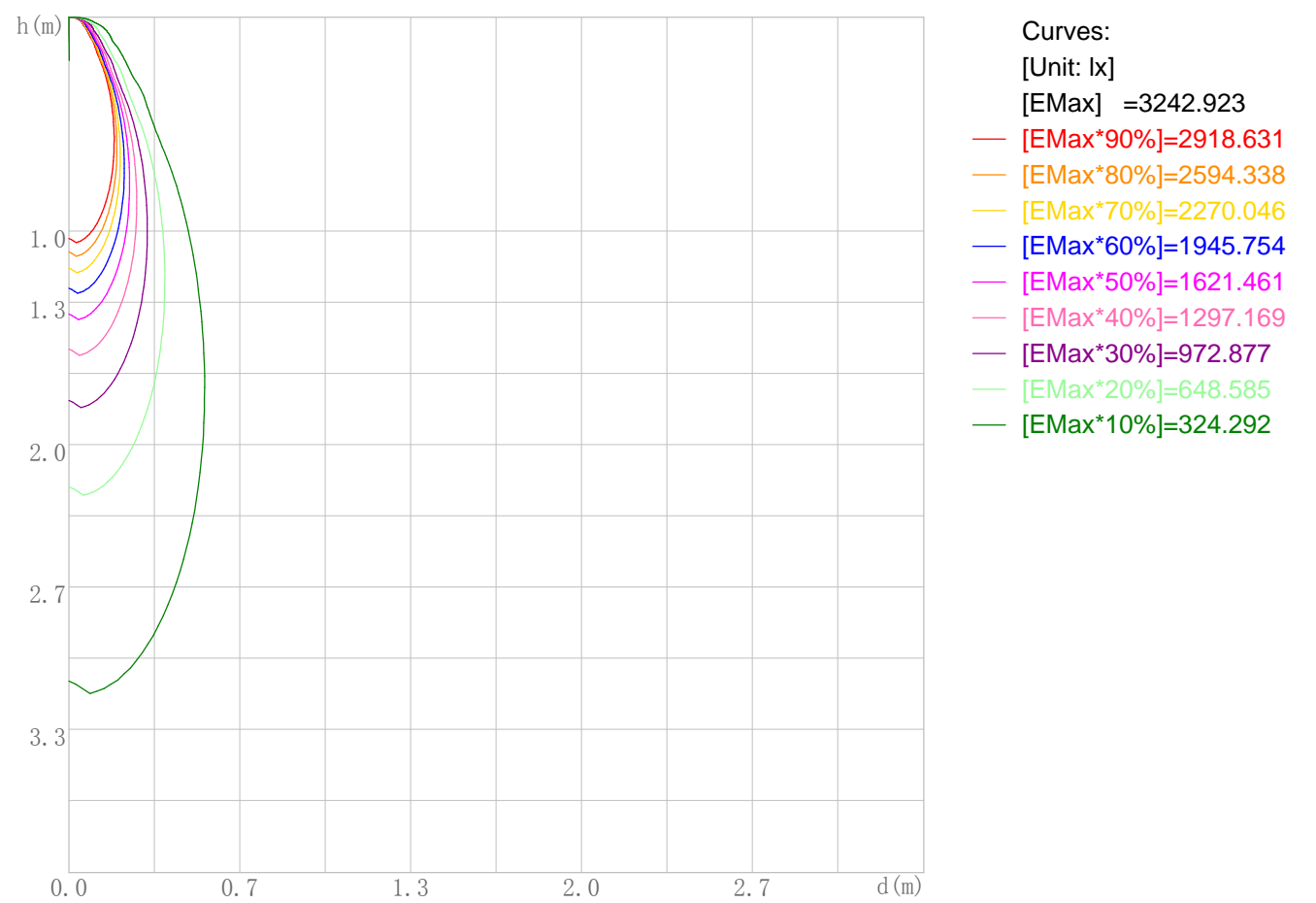
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11

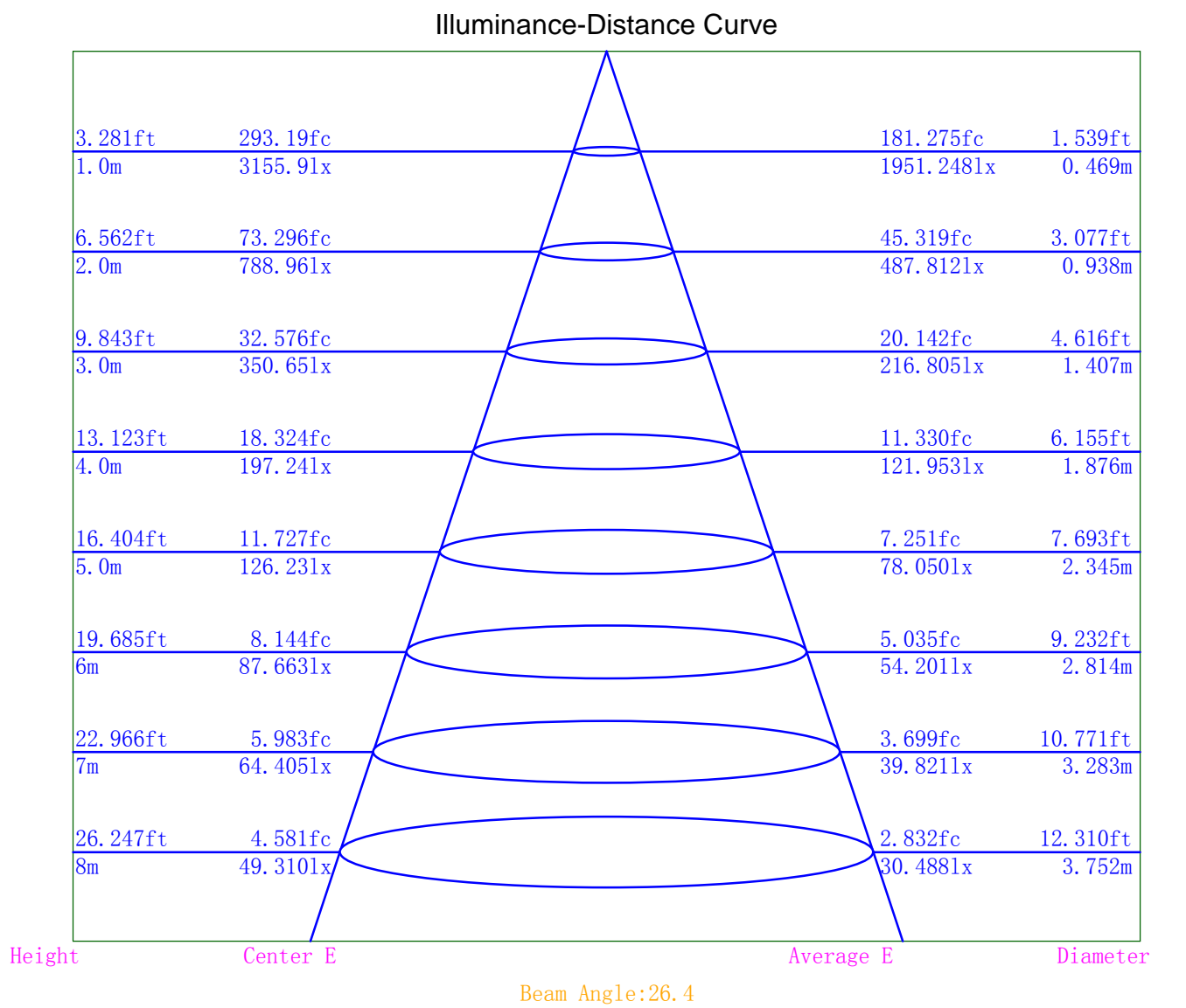
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:3242.92lx,1.5deg
Plane Maximum Lighting Intensity and @Angle:3246.259cd,0eg

Illuminance-Distance Diagram

Lum. Name: YNT00830 TL2052-15W 120V	Lum. Catalog:	Test ID: YNT00830
Lamp Name:	Lamp Catalog: LED	Test Lab: YUSING
Manufacture:	Test Machine:GON-2000	Test Date: 2018/05/11



IES Flood Report

Photometric Filename:TL2052-15W 120V.IES

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	13.57	13.48	13.40	13.32	13.23	13.15	13.07	13.07	13.07	13.08	13.08	13.09
B-85.0	13.57	13.32	13.11	13.12	13.26	13.36	13.18	13.01	12.99	13.03	13.04	13.05
B-80.0	13.57	13.16	13.26	13.26	13.10	13.09	12.99	13.13	13.24	13.36	13.38	13.43
B-75.0	13.57	13.17	13.31	13.09	13.23	13.34	13.50	13.64	13.71	13.81	13.99	14.13
B-70.0	13.57	13.25	13.20	13.35	13.45	13.58	13.72	14.03	14.35	14.76	15.36	16.19
B-65.0	13.57	13.32	13.15	13.35	13.58	13.89	14.46	14.76	15.80	17.37	18.67	19.10
B-60.0	13.57	13.34	13.47	13.51	13.98	14.51	15.21	16.66	18.50	19.67	20.32	21.43
B-55.0	13.57	13.37	13.36	13.63	14.22	15.08	16.95	18.65	20.02	21.55	22.33	23.07
B-50.0	13.57	13.32	13.38	13.99	14.73	16.43	18.66	20.08	21.90	23.07	23.50	23.87
B-45.0	13.57	13.21	13.47	14.22	15.29	18.02	19.90	21.83	23.22	23.92	24.62	27.56
B-40.0	13.57	13.11	13.53	14.35	16.19	18.97	20.74	22.67	23.79	24.78	28.79	33.97
B-35.0	13.57	13.11	13.59	14.63	17.42	19.63	21.99	23.18	24.19	27.84	34.10	40.32
B-30.0	13.57	13.24	13.62	15.10	18.27	20.35	22.52	23.87	25.83	32.07	39.12	47.87
B-25.0	13.57	13.36	13.68	15.40	18.68	21.01	23.13	24.08	28.97	36.18	44.90	58.51
B-20.0	13.57	13.47	13.95	15.66	19.23	21.58	23.40	25.13	31.82	40.41	51.64	78.84
B-15.0	13.57	13.55	14.18	15.94	19.53	22.01	23.41	26.55	34.40	43.83	61.54	94.08
B-10.0	13.57	13.62	14.36	16.15	19.63	22.32	23.65	27.80	36.60	47.23	72.73	108.13
B-5.0	13.57	13.66	14.48	16.29	19.69	22.54	23.84	28.60	37.89	50.16	80.75	120.20
B0.0	13.57	13.69	14.55	16.37	19.73	22.65	23.89	29.02	38.62	51.67	84.58	126.99
B5.0	13.57	13.67	14.51	16.32	19.71	22.55	23.75	28.78	38.20	50.66	82.29	123.16
B10.0	13.57	13.63	14.39	16.21	19.69	22.32	23.51	28.20	37.03	48.10	76.18	112.60
B15.0	13.57	13.57	14.21	16.04	19.63	21.96	23.29	26.96	35.02	45.17	65.12	99.41
B20.0	13.57	13.48	13.96	15.83	19.34	21.62	23.48	25.12	32.85	41.59	54.73	85.01
B25.0	13.57	13.37	13.65	15.63	18.72	21.25	22.76	24.14	29.74	37.91	47.20	65.15
B30.0	13.57	13.24	13.60	15.37	18.64	20.46	22.47	23.33	26.98	33.63	40.99	50.82
B35.0	13.57	13.09	13.59	14.67	18.07	19.74	21.86	23.33	24.16	29.13	35.31	41.79
B40.0	13.57	13.09	13.54	14.45	16.51	19.28	21.17	22.41	23.11	24.79	29.73	34.97
B45.0	13.57	13.20	13.46	14.48	15.78	18.56	19.82	21.61	22.44	23.05	24.68	28.64
B50.0	13.57	13.32	13.34	14.12	15.10	17.38	19.05	20.50	21.82	22.35	22.99	23.81
B55.0	13.57	13.38	13.36	13.58	14.46	15.78	18.21	19.21	20.38	21.46	22.32	22.58
B60.0	13.57	13.34	13.62	13.51	14.34	14.55	15.89	18.13	18.86	19.65	20.80	21.40
B65.0	13.57	13.30	13.12	13.28	13.55	14.47	14.52	15.75	17.06	18.27	18.78	19.47
B70.0	13.57	13.23	13.18	13.56	13.40	13.54	14.30	14.44	14.93	15.65	16.11	17.14
B75.0	13.57	13.15	13.31	12.99	13.53	13.21	13.50	13.56	13.99	14.25	14.33	14.46
B80.0	13.57	13.14	13.22	13.27	13.07	13.00	13.48	13.17	13.27	13.57	13.49	13.49
B85.0	13.57	13.33	13.08	13.05	13.17	13.27	13.16	13.05	12.97	12.96	12.99	13.06
B90.0	13.57	13.51	13.45	13.39	13.33	13.28	13.22	13.18	13.15	13.12	13.08	13.05
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	13.09	13.07	13.04	13.02	12.99	12.97	12.94	12.92	12.89	12.86	12.84	12.81
B-85.0	13.09	13.08	13.05	13.02	12.97	12.91	12.85	12.83	12.82	12.81	12.83	12.87
B-80.0	13.36	13.37	13.50	13.51	13.44	13.33	13.22	13.21	13.25	13.32	13.44	13.61
B-75.0	14.55	14.67	14.81	14.92	15.02	15.08	15.12	15.07	14.96	14.76	14.47	14.11
B-70.0	16.92	17.88	18.30	18.42	18.53	18.67	18.73	18.65	18.39	17.98	17.50	16.96
B-65.0	19.81	20.16	20.48	20.82	21.09	21.10	20.93	20.86	20.66	20.34	20.01	19.46
B-60.0	22.06	22.50	22.87	22.79	23.00	23.00	22.90	22.89	22.89	22.75	22.03	22.02
B-55.0	23.42	23.66	23.97	24.59	25.23	25.65	25.69	25.36	24.62	23.85	23.61	23.12
B-50.0	25.21	27.79	30.26	32.33	33.85	34.93	35.31	34.46	32.81	31.13	28.60	25.97

IES Flood Report

Photometric Filename:TL2052-15W 120V.IES

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	31.45	35.35	38.77	41.65	43.75	45.11	45.21	44.34	42.64	39.57	36.52	33.04
B-40.0	38.82	43.89	49.91	56.04	62.07	67.50	68.30	65.31	58.40	52.27	46.19	41.06
B-35.0	47.74	58.11	76.73	89.92	98.86	104.76	105.70	102.08	94.17	83.74	67.43	51.96
B-30.0	62.56	86.96	107.32	132.63	159.90	181.71	185.69	173.55	147.93	120.69	97.48	77.08
B-25.0	87.13	114.57	161.85	238.42	309.54	358.68	369.84	345.58	285.76	207.63	140.35	102.11
B-20.0	107.64	162.59	269.31	403.40	549.21	656.19	684.70	632.16	509.94	361.30	228.24	136.66
B-15.0	138.31	240.68	402.45	631.95	907.37	1134.75	1204.12	1090.03	839.62	564.73	346.20	191.31
B-10.0	180.91	331.20	559.19	900.93	1368.38	1809.07	1945.54	1727.47	1252.79	796.71	469.71	259.15
B-5.0	222.10	410.33	716.04	1194.43	1827.34	2489.31	2733.85	2333.49	1626.45	1000.31	570.55	308.34
B0.0	244.84	455.65	807.21	1377.94	2150.91	2877.67	3155.85	2905.21	2094.30	1303.90	746.48	406.33
B5.0	232.72	431.49	755.72	1267.17	1948.44	2583.63	2848.85	2542.49	1871.66	1187.87	693.66	381.98
B10.0	198.63	366.96	625.87	1002.32	1470.99	1897.74	2083.07	1854.05	1402.76	930.71	566.47	318.89
B15.0	154.22	283.07	462.49	700.91	973.41	1217.63	1315.70	1187.79	926.80	649.84	412.40	234.52
B20.0	119.14	190.46	310.30	453.06	600.77	722.66	766.32	704.72	568.72	414.87	268.97	159.22
B25.0	92.86	124.70	183.32	268.56	348.73	409.52	428.78	396.95	324.98	235.19	158.67	113.23
B30.0	68.63	89.89	111.74	141.58	177.87	207.07	215.04	197.99	164.85	131.18	104.99	83.79
B35.0	50.07	61.81	77.34	90.02	101.56	110.13	112.74	108.53	99.17	87.57	71.90	56.44
B40.0	40.06	45.26	51.26	58.90	66.32	70.67	71.63	69.43	63.80	56.28	49.75	43.48
B45.0	32.61	35.85	39.55	42.38	45.26	46.99	47.35	46.52	44.61	41.79	38.07	34.84
B50.0	25.57	28.57	30.89	33.26	34.61	35.57	35.95	35.40	34.09	32.38	30.45	27.39
B55.0	22.88	23.19	24.18	25.01	26.23	27.19	27.49	26.96	26.03	24.98	23.97	23.47
B60.0	22.02	22.10	22.22	22.85	22.94	22.95	22.97	23.06	23.01	22.74	22.60	22.47
B65.0	19.78	20.54	21.09	21.20	21.30	21.37	21.41	21.47	21.44	21.30	20.80	20.08
B70.0	18.03	18.23	18.52	18.85	19.14	19.32	19.39	19.25	19.03	18.80	18.58	18.33
B75.0	14.65	15.12	15.50	15.66	15.79	15.88	15.92	15.87	15.73	15.48	15.09	14.82
B80.0	13.64	13.80	13.79	13.75	13.69	13.64	13.60	13.64	13.70	13.75	13.77	13.74
B85.0	13.09	13.09	13.08	13.07	13.07	13.06	13.06	13.04	13.03	13.04	13.08	13.14
B90.0	13.01	12.97	12.92	12.87	12.83	12.78	12.73	12.75	12.77	12.78	12.80	12.82
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	12.78	12.86	12.94	13.02	13.10	13.18	13.27	13.31	13.35	13.39	13.43	13.47
B-85.0	12.94	13.01	13.00	13.03	13.15	13.28	13.26	13.17	13.13	13.10	13.14	13.33
B-80.0	13.48	13.28	13.18	13.05	13.00	13.00	13.25	13.03	13.17	13.21	13.23	13.18
B-75.0	13.80	13.89	13.81	13.68	13.55	13.32	13.10	13.00	13.13	13.12	13.18	13.19
B-70.0	16.16	15.39	14.95	14.38	14.09	13.86	13.80	13.39	13.10	13.08	13.13	13.27
B-65.0	19.04	18.70	17.66	16.12	15.24	14.46	13.91	13.81	13.47	13.22	13.14	13.29
B-60.0	21.45	20.35	19.37	18.70	17.50	15.55	14.58	13.97	13.71	13.32	13.00	13.18
B-55.0	22.75	22.10	21.48	20.24	19.06	17.87	15.55	14.36	13.78	13.57	13.26	13.06
B-50.0	23.81	23.22	22.50	21.67	20.61	19.08	17.55	15.32	14.20	13.64	13.32	13.07
B-45.0	29.25	25.27	23.40	22.57	21.57	20.21	18.65	16.00	14.27	13.63	13.27	13.14
B-40.0	35.69	30.69	25.83	23.31	22.28	21.11	19.35	17.81	14.97	13.79	13.49	13.21
B-35.0	43.23	36.44	30.39	24.85	23.00	22.20	20.26	18.41	15.54	14.11	13.64	13.23
B-30.0	54.07	42.80	34.92	28.28	23.77	22.33	21.02	19.16	15.85	14.24	13.69	13.15
B-25.0	75.53	50.80	39.32	31.89	25.10	22.95	21.35	19.40	16.75	14.20	13.72	13.08
B-20.0	94.70	62.37	44.53	35.08	27.41	23.17	22.03	19.63	17.73	14.21	13.67	13.02
B-15.0	114.27	78.90	49.76	37.71	29.28	23.56	22.10	19.98	18.15	14.51	13.62	12.97
B-10.0	135.47	89.25	54.22	39.95	30.72	24.02	22.19	20.40	18.23	14.74	13.57	12.93
B-5.0	153.02	95.58	57.89	41.33	31.63	24.37	22.22	20.66	18.27	14.89	13.53	12.90

IES Flood Report

Photometric Filename:TL2052-15W 120V.IES

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	202. 79	114. 07	72. 82	46. 82	35. 16	26. 51	23. 24	21. 11	19. 25	15. 52	13. 48	13. 01
B5. 0	190. 95	110. 58	69. 95	46. 18	34. 85	26. 21	23. 18	21. 19	19. 18	15. 49	13. 49	13. 00
B10. 0	163. 31	101. 78	62. 89	44. 49	33. 84	25. 41	23. 05	21. 28	19. 01	15. 38	13. 53	12. 99
B15. 0	132. 80	90. 45	56. 02	41. 52	32. 27	24. 50	22. 84	21. 33	18. 77	15. 19	13. 58	12. 98
B20. 0	106. 55	73. 41	49. 59	38. 40	30. 06	23. 78	22. 49	20. 86	18. 49	14. 93	13. 65	12. 97
B25. 0	84. 67	56. 30	43. 41	34. 88	27. 37	23. 47	22. 16	20. 24	18. 12	14. 62	13. 73	12. 96
B30. 0	59. 79	46. 65	37. 94	31. 02	24. 81	22. 95	21. 59	19. 81	17. 21	14. 31	13. 68	12. 95
B35. 0	46. 71	39. 12	32. 75	26. 95	23. 39	22. 61	21. 36	19. 22	16. 24	14. 32	13. 60	12. 94
B40. 0	37. 85	32. 77	27. 85	23. 76	22. 77	21. 63	20. 25	18. 66	15. 61	14. 13	13. 56	12. 87
B45. 0	31. 04	26. 95	23. 86	22. 99	22. 06	21. 22	19. 44	17. 36	14. 78	13. 78	13. 52	12. 76
B50. 0	25. 15	23. 42	22. 87	22. 17	21. 52	19. 98	18. 64	15. 95	14. 40	13. 61	13. 37	12. 64
B55. 0	23. 23	22. 72	21. 63	21. 24	19. 97	18. 89	16. 60	14. 74	14. 06	13. 65	13. 18	12. 65
B60. 0	21. 70	21. 45	20. 15	19. 44	18. 68	16. 61	15. 06	14. 37	13. 59	13. 50	12. 93	12. 89
B65. 0	19. 81	19. 12	18. 73	17. 42	16. 11	14. 66	14. 39	13. 70	13. 62	13. 32	12. 99	13. 14
B70. 0	17. 38	16. 56	15. 83	14. 72	14. 57	14. 01	13. 64	13. 61	13. 33	12. 92	12. 78	13. 09
B75. 0	14. 67	14. 49	14. 09	13. 78	13. 66	13. 62	13. 37	13. 30	12. 88	13. 01	12. 85	12. 91
B80. 0	13. 73	13. 77	13. 65	13. 41	13. 35	13. 19	12. 76	13. 11	12. 91	12. 86	13. 06	12. 83
B85. 0	13. 24	13. 32	13. 26	13. 11	12. 97	12. 88	12. 89	12. 95	13. 01	12. 96	12. 87	12. 98
B90. 0	12. 83	12. 84	12. 84	12. 85	12. 85	12. 86	12. 86	12. 92	12. 97	13. 03	13. 08	13. 14
V/H	β 90. 0											
B-90. 0	13. 19											
B-85. 0	13. 19											
B-80. 0	13. 19											
B-75. 0	13. 19											
B-70. 0	13. 19											
B-65. 0	13. 19											
B-60. 0	13. 19											
B-55. 0	13. 19											
B-50. 0	13. 19											
B-45. 0	13. 19											
B-40. 0	13. 19											
B-35. 0	13. 19											
B-30. 0	13. 19											
B-25. 0	13. 19											
B-20. 0	13. 19											
B-15. 0	13. 19											
B-10. 0	13. 19											
B-5. 0	13. 19											
B0. 0	13. 19											
B5. 0	13. 19											
B10. 0	13. 19											
B15. 0	13. 19											
B20. 0	13. 19											
B25. 0	13. 19											
B30. 0	13. 19											
B35. 0	13. 19											
B40. 0	13. 19											

Candela Tabulation - (Cont.)

V/H	β 90.0
B45.0	13.19
B50.0	13.19
B55.0	13.19
B60.0	13.19
B65.0	13.19
B70.0	13.19
B75.0	13.19
B80.0	13.19
B85.0	13.19
B90.0	13.19