

TREPI



LÁMPARA LED HIGH BAY

150 W

Certificación
Seguridad Eléctrica



Luz fría
6000K

HIGHBAY 100W

LÁMPARA LED

Lámpara Led para depósitos, galpones y grandes superficies.



Potencia **150W**
Voltaje **AC100 - 150Vca**

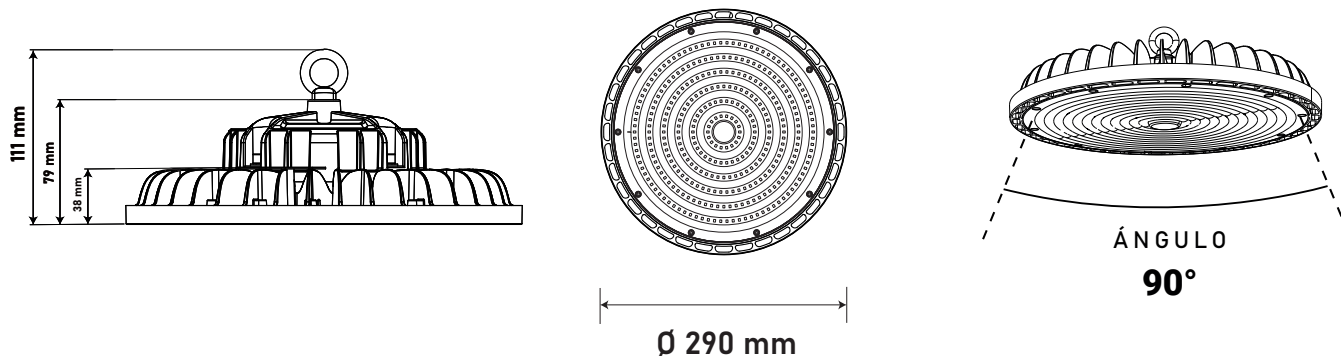


Luz fría
6000K

LM 140 LM/W



Flujo luminoso
21.000 LM



ESPECIFICACIONES TÉCNICAS

MODELO	IM2201002	TEMPERATURA LUZ	Fría 6000K
POTENCIA	150W	FACTOR DE POTENCIA	0.95
LÚMENES POR WATT	140 lm x W	EFICIENCIA ENERGÉTICA	A+
FLUJO LUMINOSO	21.000	PROTECCIÓN IP	IP65
VOLTAJE	AC100-250Vca	FACTOR IK	IK08
FRECUENCIA	50 hz	MATERIAL DEL CUERPO	Aluminio
ÁNGULO	90°	MATERIAL DEL LENTE	Polycarbonato
CRI	>80	TIPO DE CHIP	San'an
VIDA ÚTIL	30.000 hs	CLASE	I
VIDA ÚTIL (ON/OFF)	15.000 maniobras	SECCIÓN DEL CABLE	Tipo Taller Siliconado 3x0,75
TAMAÑO DE LA LÁMPARA	Ø290x111mm	CHICOTE	30 cm de Cable
PESO DE LA LÁMPARA	2.05kg	GARANTÍA	3 años

PRECAUCIONES

- A. La instalación de la luminaria debe ser realizada por personal técnico calificado.
- B. Trabaje solo bajo condiciones seguras (con el módulo y herramientas adecuadas).
- C. No reemplazar o remover luminarias sin antes realizar la desconexión de la alimentación.
- D. La luminaria no debe ser utilizada sin todas las cubiertas colocadas en su correcta posición.
- E. No conecte esta luminaria mientras está en su embalaje.

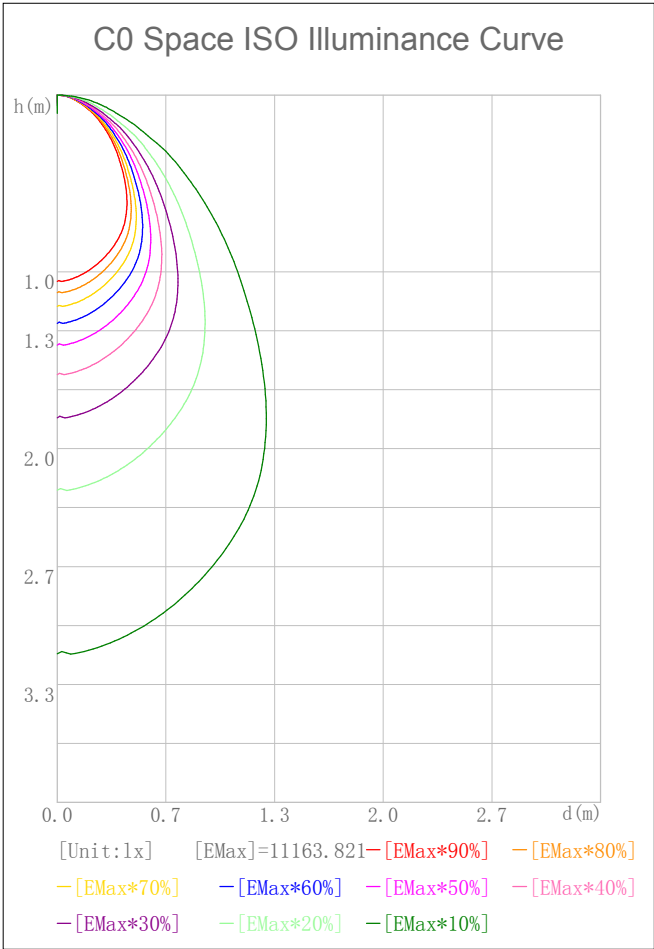
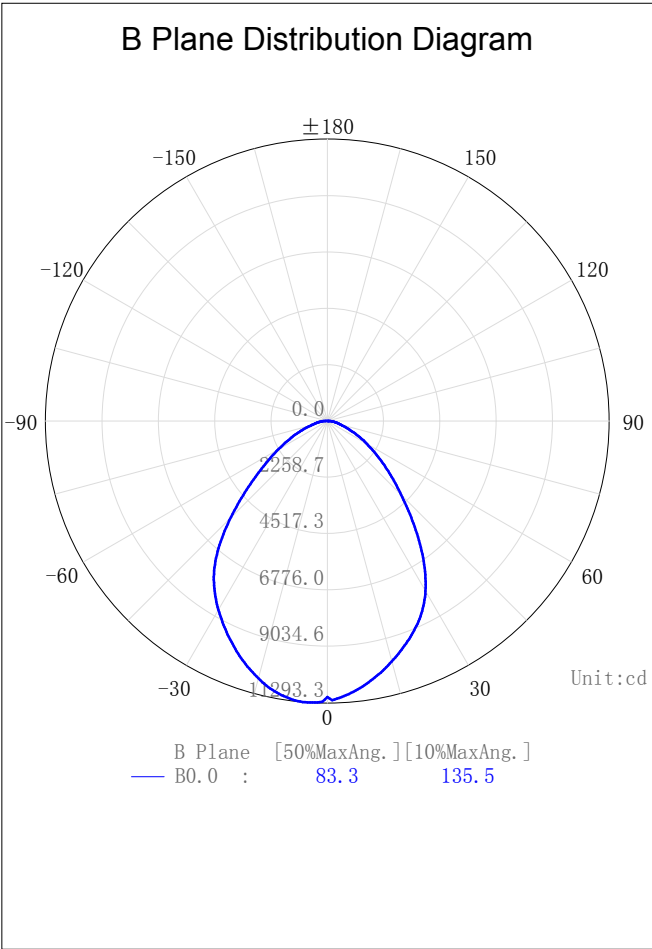
Flood Luminaire Photometric Data

Description Information

Luminary Name: IM2201002	Lum. Catalog:	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Date: 2023/04/04
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.100m*0.100m*0.100m	Lum. Area (m2): 0.020	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

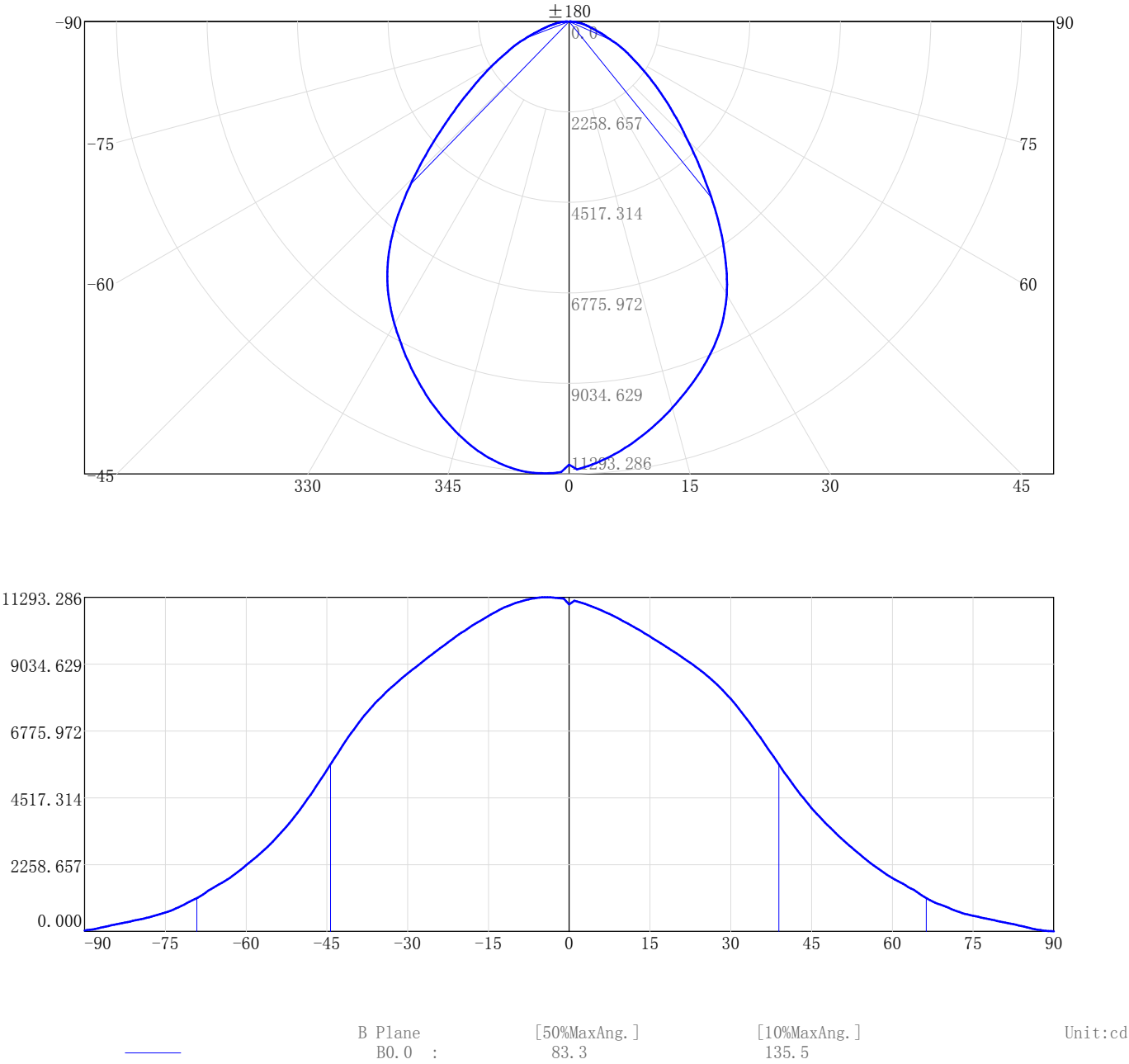
Lamp Speciality Parameter	Luminaire Speciality Parameter		
Rated Flux(lm): 20344.820	Luminary Flux(lm): 20344.824	Beam Lumens(lm): 12433.34	
Rated Power(W):	Luminary Efficiency: 100.00%	Beam Efficiency(%): 61.11	
Rated Voltage(V):	Luminary EER(lm/W): 135.452	Field Lumens(lm): 19262.56	
Tested Power(W): 150.200	Max. Candela(cd): 11293.286	Field Efficiency(%): 94.68	
Lamps' Inside: 1	Max Cand@Ang. (°): B=0.0 β=-4.0	ErP ϕuse(90°): 14195.781lm	
Tested Electrics(V, A, pf): 219.7, 0.707, 0.967	Beam Angle (50%) (V, H): 80.2(°), 83.2(°)	IRF(%): 150.462	
Lamp Size (W*L*H): 0.100m*0.100m*0.100m	Field Angle (10%) (V, H): 135.6(°), 136.1(°)		



2D Plane Light Intensity Distribution Curve

Lum. Name: IM2201002	Lum. Catalog:	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/04/04

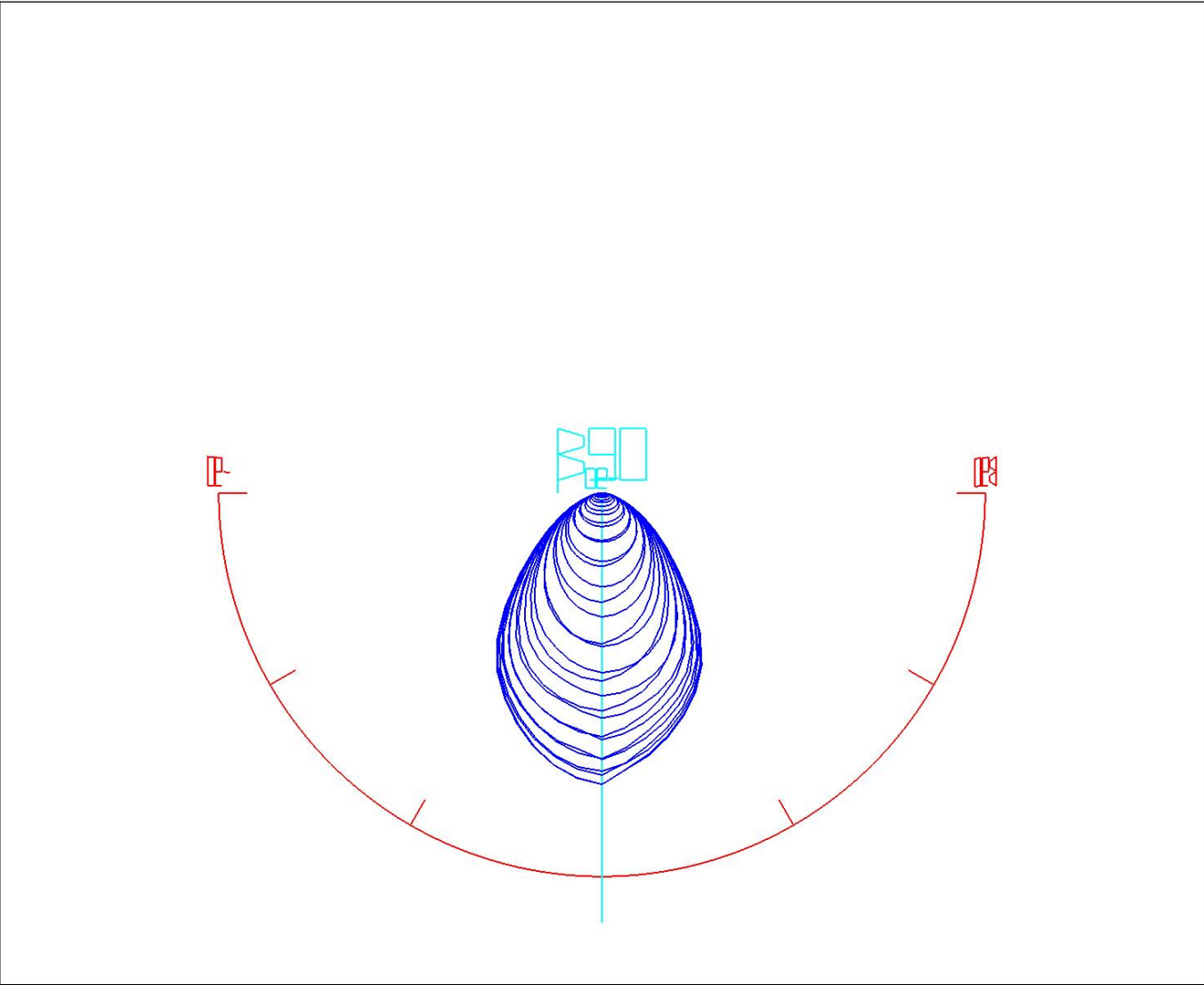
B Plane Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: IM2201002	Lum. Catelog:	Test ID:
Lamp Name: SMD	Lamp Catelog: 2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/04

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

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	0.01	0.05	0.09	0.13	0.19	0.25	0.32	0.40	0.48	0.57	0.65	0.74	
B-85.0	0.02	0.06	0.13	0.24	0.37	0.53	0.72	0.91	1.11	1.31	1.51	1.69	
B-80.0	0.02	0.08	0.20	0.37	0.59	0.85	1.13	1.44	1.75	2.07	2.38	2.68	
B-75.0	0.02	0.10	0.27	0.50	0.80	1.15	1.55	1.97	2.43	2.93	3.46	3.98	
B-70.0	0.02	0.13	0.34	0.63	1.00	1.45	1.97	2.59	3.30	4.11	4.97	5.86	
B-65.0	0.03	0.15	0.40	0.75	1.20	1.77	2.49	3.39	4.46	5.65	6.96	8.35	
B-60.0	0.03	0.18	0.46	0.87	1.41	2.14	3.13	4.36	5.83	7.48	9.25	11.02	
B-55.0	0.03	0.20	0.52	0.98	1.64	2.58	3.87	5.46	7.33	9.53	11.91	14.40	
B-50.0	0.03	0.22	0.57	1.10	1.89	3.08	4.68	6.60	9.10	11.89	14.95	18.21	
B-45.0	0.04	0.24	0.62	1.22	2.17	3.61	5.50	7.96	10.95	14.40	18.33	22.60	
B-40.0	0.04	0.25	0.67	1.33	2.46	4.14	6.38	9.33	12.85	17.14	22.14	27.82	
B-35.0	0.04	0.27	0.71	1.45	2.74	4.66	7.27	10.65	14.88	20.09	26.43	33.62	
B-30.0	0.04	0.28	0.75	1.57	3.01	5.16	8.11	11.96	16.94	23.24	30.95	39.27	
B-25.0	0.04	0.29	0.78	1.68	3.26	5.61	8.87	13.21	18.95	26.41	35.23	44.05	
B-20.0	0.05	0.30	0.81	1.77	3.48	6.00	9.54	14.34	20.84	29.29	38.81	47.70	
B-15.0	0.05	0.31	0.84	1.84	3.66	6.31	10.09	15.29	22.46	31.65	41.53	50.34	
B-10.0	0.05	0.31	0.85	1.90	3.78	6.53	10.49	16.01	23.67	33.35	43.37	52.13	
B-5.0	0.05	0.31	0.86	1.92	3.85	6.66	10.72	16.43	24.39	34.33	44.42	53.19	
B0.0	0.05	0.31	0.86	1.92	3.85	6.65	10.69	16.36	24.22	34.03	44.05	52.83	
B5.0	0.05	0.31	0.85	1.89	3.78	6.51	10.41	15.80	23.18	32.46	42.25	51.02	
B10.0	0.05	0.31	0.84	1.84	3.65	6.28	9.96	14.98	21.72	30.25	39.64	48.39	
B15.0	0.05	0.30	0.81	1.76	3.48	5.97	9.38	13.95	19.96	27.52	36.21	44.79	
B20.0	0.04	0.29	0.79	1.67	3.26	5.60	8.69	12.80	18.03	24.49	32.10	40.28	
B25.0	0.04	0.28	0.75	1.56	3.01	5.16	7.94	11.56	16.05	21.43	27.81	35.25	
B30.0	0.04	0.27	0.71	1.45	2.74	4.66	7.17	10.28	14.10	18.58	23.88	29.92	
B35.0	0.04	0.26	0.67	1.34	2.44	4.13	6.37	9.00	12.22	15.98	20.27	24.97	
B40.0	0.04	0.24	0.62	1.22	2.15	3.61	5.49	7.83	10.42	13.54	16.96	20.62	
B45.0	0.03	0.22	0.58	1.10	1.88	3.06	4.67	6.59	8.78	11.20	13.95	16.76	
B50.0	0.03	0.20	0.52	0.99	1.64	2.55	3.85	5.42	7.17	9.07	11.12	13.33	
B55.0	0.03	0.18	0.47	0.88	1.42	2.14	3.08	4.31	5.72	7.16	8.63	10.13	
B60.0	0.03	0.16	0.41	0.77	1.22	1.79	2.49	3.32	4.32	5.46	6.64	7.72	
B65.0	0.02	0.13	0.34	0.64	1.03	1.48	2.00	2.59	3.24	3.95	4.71	5.50	
B70.0	0.02	0.11	0.27	0.52	0.83	1.19	1.60	2.01	2.45	2.92	3.38	3.84	
B75.0	0.02	0.08	0.20	0.38	0.61	0.88	1.18	1.49	1.80	2.11	2.42	2.70	
B80.0	0.02	0.06	0.14	0.25	0.39	0.56	0.75	0.94	1.13	1.32	1.51	1.68	
B85.0	0.01	0.05	0.09	0.14	0.20	0.27	0.34	0.41	0.48	0.55	0.61	0.67	
B90.0													
Total	0.10	0.51	1.30	2.44	3.95	5.90	8.43	11.81	16.08	21.41	27.59	34.90	

	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	0.77	0.74	0.70	0.64	0.57	0.49	0.46	0.49	0.51	0.52	0.52	0.51	
B-85.0	1.79	1.78	1.75	1.68	1.58	1.44	1.42	1.49	1.54	1.56	1.55	1.52	
B-80.0	2.93	3.07	3.17	3.22	3.21	3.14	3.10	3.10	3.04	2.93	2.78	2.60	
B-75.0	4.47	4.86	5.18	5.41	5.53	5.53	5.48	5.37	5.15	4.83	4.45	4.02	
B-70.0	6.72	7.44	8.04	8.49	8.76	8.82	8.72	8.48	8.05	7.47	6.79	6.04	
B-65.0	9.64	10.69	11.59	12.29	12.73	12.89	12.79	12.43	11.81	10.94	9.88	8.67	
B-60.0	12.81	14.45	15.77	16.73	17.30	17.45	17.27	16.78	15.92	14.76	13.34	11.71	
B-55.0	16.89	19.11	20.91	22.29	23.14	23.39	23.08	22.25	20.92	19.20	17.23	15.06	
B-50.0													

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	21.49	24.63	27.27	29.27	30.46	30.75	30.21	28.93	26.94	24.46	21.67	18.74	
B-45.0	27.12	31.57	35.30	38.03	39.62	39.96	39.15	37.29	34.42	30.82	26.87	22.91	
B-40.0	33.83	39.59	44.31	47.52	49.36	49.80	48.87	46.61	43.03	38.38	33.07	27.65	
B-35.0	40.84	47.24	52.33	55.67	57.60	58.18	57.37	55.10	51.30	46.08	39.72	32.94	
B-30.0	46.97	53.36	58.33	61.83	63.91	64.63	63.96	61.86	58.23	52.87	45.97	38.23	
B-25.0	51.67	57.88	62.93	66.89	69.28	70.03	69.25	67.03	63.41	58.18	51.22	42.94	
B-20.0	55.12	61.42	66.95	71.45	74.27	75.01	73.97	71.33	67.29	61.99	55.21	46.94	
B-15.0	57.74	64.39	70.41	75.37	78.59	79.34	77.97	74.87	70.26	64.68	58.35	50.80	
B-10.0	59.70	66.75	73.15	78.43	81.90	82.73	80.88	77.18	72.41	67.21	61.23	53.76	
B-5.0	60.94	68.26	74.91	80.41	83.99	84.68	82.35	79.28	75.01	69.51	63.18	55.64	
B0.0	60.55	67.73	74.17	79.37	82.49	83.19	82.75	80.03	75.52	69.91	63.53	55.94	
B5.0	58.55	65.23	71.05	75.77	79.12	80.62	79.96	77.49	73.54	68.41	62.27	54.67	
B10.0	55.83	62.07	67.65	72.41	75.66	77.13	76.57	74.22	70.74	66.03	60.01	52.29	
B15.0	52.36	58.85	64.26	68.55	71.52	72.94	72.55	70.46	67.18	62.72	56.62	48.72	
B20.0	48.16	54.86	60.19	64.18	66.94	68.26	67.98	66.09	62.74	58.13	51.81	44.04	
B25.0	42.72	49.38	54.80	58.88	61.56	62.78	62.45	60.48	56.85	51.82	45.62	38.45	
B30.0	36.31	42.39	47.60	51.67	54.33	55.49	55.02	52.88	49.16	44.15	38.56	32.55	
B35.0	29.90	34.74	39.17	42.82	45.24	46.25	45.75	43.75	40.46	36.17	31.62	27.05	
B40.0	24.32	27.89	31.17	33.90	35.77	36.57	36.18	34.64	32.18	29.06	25.67	22.33	
B45.0	19.57	22.25	24.67	26.59	27.88	28.43	28.17	27.15	25.48	23.30	20.81	18.24	
B50.0	15.47	17.47	19.29	20.74	21.72	22.16	22.01	21.29	20.08	18.47	16.54	14.47	
B55.0	11.69	13.31	14.72	15.80	16.53	16.88	16.78	16.23	15.33	14.12	12.70	11.20	
B60.0	8.66	9.67	10.67	11.54	12.16	12.51	12.47	12.07	11.41	10.54	9.48	8.29	
B65.0	6.27	7.03	7.66	8.16	8.50	8.68	8.63	8.35	7.89	7.29	6.56	5.78	
B70.0	4.28	4.70	5.06	5.36	5.56	5.66	5.62	5.45	5.18	4.84	4.43	3.99	
B75.0	2.97	3.21	3.40	3.56	3.66	3.70	3.68	3.59	3.44	3.25	3.01	2.74	
B80.0	1.84	1.97	2.09	2.17	2.22	2.24	2.21	2.14	2.04	1.91	1.75	1.57	
B85.0	0.72	0.75	0.77	0.79	0.79	0.78	0.75	0.70	0.65	0.59	0.52	0.45	
B90.0													
Total	43.49	53.32	64.65	77.64	92.48	109.22	127.75	147.67	168.29	188.97	209.13	228.52	

	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	0.47	0.40	0.33	0.27	0.21	0.15	0.11	0.07	0.05	0.03	0.01	0.00	
B-85.0	1.41	1.24	1.06	0.87	0.68	0.50	0.34	0.22	0.12	0.06	0.02	0.01	
B-80.0	2.36	2.10	1.82	1.53	1.24	0.95	0.67	0.43	0.24	0.11	0.03	0.01	
B-75.0	3.55	3.07	2.60	2.17	1.76	1.37	1.00	0.66	0.37	0.17	0.05	0.01	
B-70.0	5.21	4.37	3.58	2.89	2.28	1.76	1.29	0.87	0.51	0.24	0.07	0.01	
B-65.0	7.36	6.08	4.91	3.81	2.90	2.17	1.57	1.06	0.64	0.30	0.09	0.01	
B-60.0	9.99	8.25	6.52	5.01	3.68	2.64	1.85	1.24	0.75	0.37	0.11	0.01	
B-55.0	12.74	10.52	8.43	6.38	4.64	3.23	2.17	1.42	0.86	0.43	0.14	0.01	
B-50.0	15.77	12.86	10.19	7.92	5.68	3.92	2.54	1.60	0.96	0.48	0.16	0.02	
B-45.0	19.10	15.47	12.10	9.19	6.86	4.62	2.98	1.80	1.05	0.53	0.18	0.02	
B-40.0	22.64	18.19	14.17	10.60	7.84	5.41	3.40	2.01	1.14	0.57	0.19	0.02	
B-35.0	26.47	20.88	16.21	12.19	8.77	6.17	3.82	2.23	1.23	0.61	0.21	0.02	
B-30.0	30.45	23.63	18.26	13.73	9.79	6.77	4.25	2.44	1.30	0.65	0.22	0.02	
B-25.0	34.30	26.66	20.34	15.16	10.76	7.31	4.65	2.62	1.38	0.67	0.23	0.02	
B-20.0	38.27	29.77	22.36	16.45	11.62	7.79	4.99	2.78	1.44	0.70	0.24	0.03	
B-15.0	41.86	32.53	24.15	17.55	12.32	8.20	5.24	2.90	1.49	0.71	0.25	0.03	
B-10.0													

HIGHBAY 100W

LÁMPARA LED

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	44.58	34.67	25.58	18.39	12.83	8.50	5.40	2.99	1.53	0.73	0.25	0.03	
B-5.0	46.33	36.06	26.49	18.91	13.12	8.66	5.49	3.03	1.54	0.73	0.25	0.03	
B0.0	46.57	36.22	26.59	18.97	13.15	8.68	5.48	3.03	1.55	0.73	0.25	0.03	
B5.0	45.30	35.15	25.86	18.55	12.90	8.54	5.40	2.99	1.53	0.73	0.25	0.03	
B10.0	42.99	33.25	24.59	17.78	12.43	8.27	5.22	2.90	1.49	0.71	0.25	0.03	
B15.0	39.69	30.68	22.91	16.74	11.77	7.88	4.97	2.78	1.44	0.70	0.24	0.03	
B20.0	35.61	27.66	20.96	15.47	10.95	7.37	4.64	2.62	1.38	0.67	0.23	0.02	
B25.0	31.13	24.49	18.85	14.05	10.01	6.77	4.25	2.44	1.30	0.64	0.22	0.02	
B30.0	26.67	21.37	16.68	12.52	8.98	6.10	3.82	2.24	1.22	0.61	0.21	0.02	
B35.0	22.59	18.38	14.47	10.96	7.86	5.38	3.40	2.02	1.14	0.57	0.19	0.02	
B40.0	18.92	15.53	12.30	9.33	6.75	4.62	2.99	1.80	1.05	0.53	0.18	0.02	
B45.0	15.54	12.80	10.16	7.75	5.67	3.91	2.56	1.60	0.96	0.48	0.16	0.02	
B50.0	12.36	10.25	8.21	6.31	4.62	3.26	2.17	1.42	0.85	0.42	0.13	0.01	
B55.0	9.62	8.00	6.40	4.95	3.71	2.64	1.85	1.24	0.74	0.37	0.11	0.01	
B60.0	7.11	5.93	4.81	3.78	2.89	2.17	1.56	1.05	0.63	0.30	0.09	0.01	
B65.0	5.01	4.26	3.54	2.88	2.29	1.76	1.28	0.85	0.50	0.23	0.07	0.01	
B70.0	3.55	3.09	2.64	2.19	1.76	1.35	0.97	0.64	0.37	0.16	0.05	0.01	
B75.0	2.45	2.16	1.84	1.53	1.22	0.93	0.66	0.42	0.23	0.10	0.03	0.01	
B80.0	1.39	1.21	1.02	0.83	0.65	0.48	0.33	0.21	0.12	0.05	0.02	0.00	
B85.0	0.38	0.33	0.28	0.23	0.18	0.14	0.10	0.07	0.04	0.03	0.01	0.00	
B90.0													
Total	246.98	264.45	280.94	296.29	310.30	322.72	333.42	342.20	348.79	353.00	354.64	353.61	

	β 90.0	Total
B-90.0		2.71
B-85.0		5.09
B-80.0		7.74
B-75.0		10.88
B-70.0		14.26
B-65.0		18.04
B-60.0		22.45
B-55.0		27.72
B-50.0		33.77
B-45.0		40.86
B-40.0		48.80
B-35.0		56.61
B-30.0		65.35
B-25.0		75.31
B-20.0		86.18
B-15.0		98.00
B-10.0		110.92
B-5.0		125.26
B0.0		141.10
B5.0		158.13
B10.0		175.77
B15.0		193.18
B20.0		209.71
B25.0		224.97
B30.0		

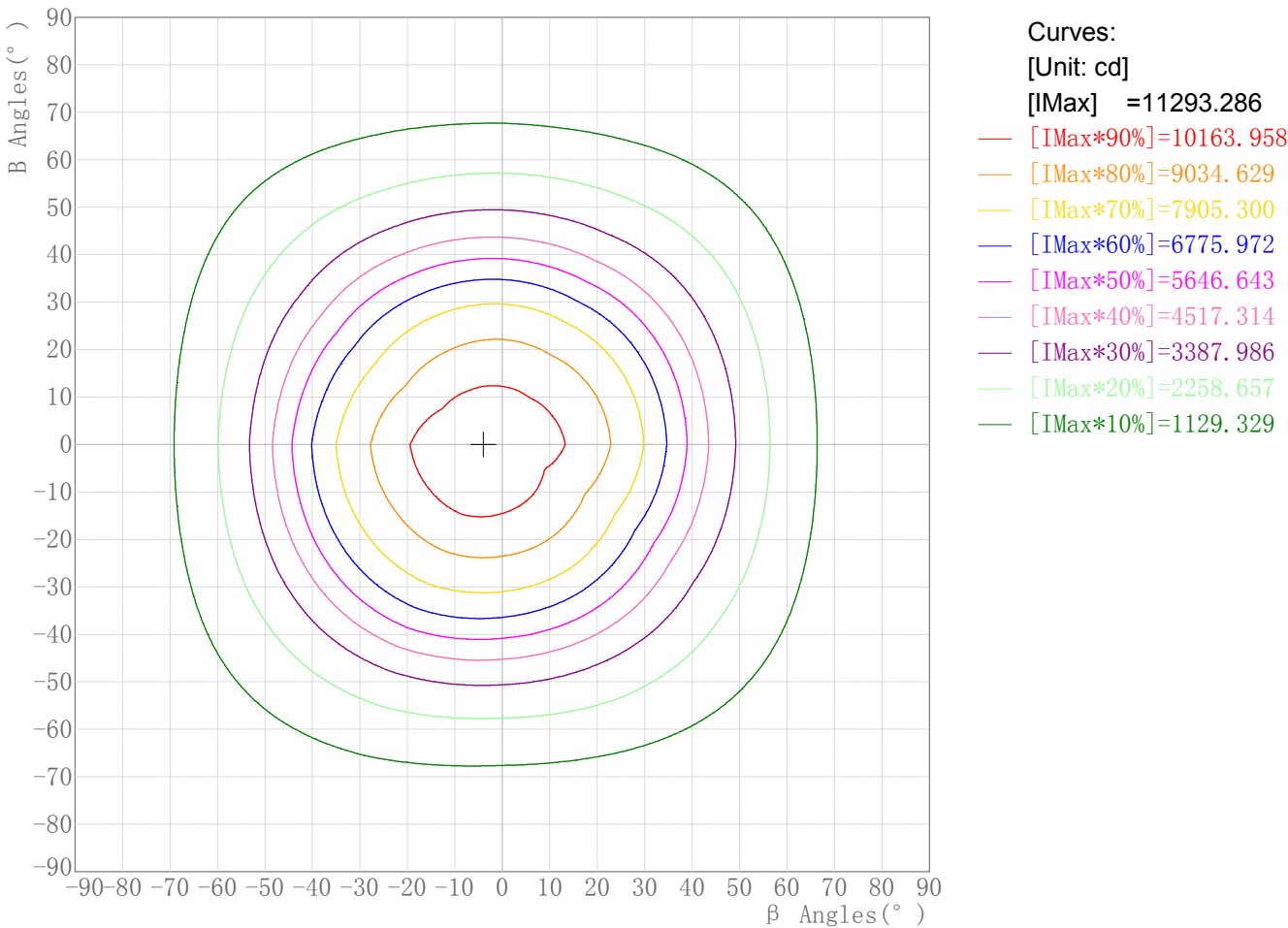
Zone Lumens Tabulation - (Cont.)

β 90.0	Total
B30.0	238.83
B35.0	251.47
B40.0	263.11
B45.0	273.95
B50.0	283.98
B55.0	293.17
B60.0	301.44
B65.0	308.73
B70.0	315.00
B75.0	320.08
B80.0	323.86
B85.0	326.45
B90.0	
Total	20344.82

Rectangle ISO Lighting Intensity Diagram

Lum. Name: IM2201002	Lum. Catelog:	Test ID:
Lamp Name: SMD	Lamp Catelog: 2835	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/04

ISO Lighting Intensity Curve

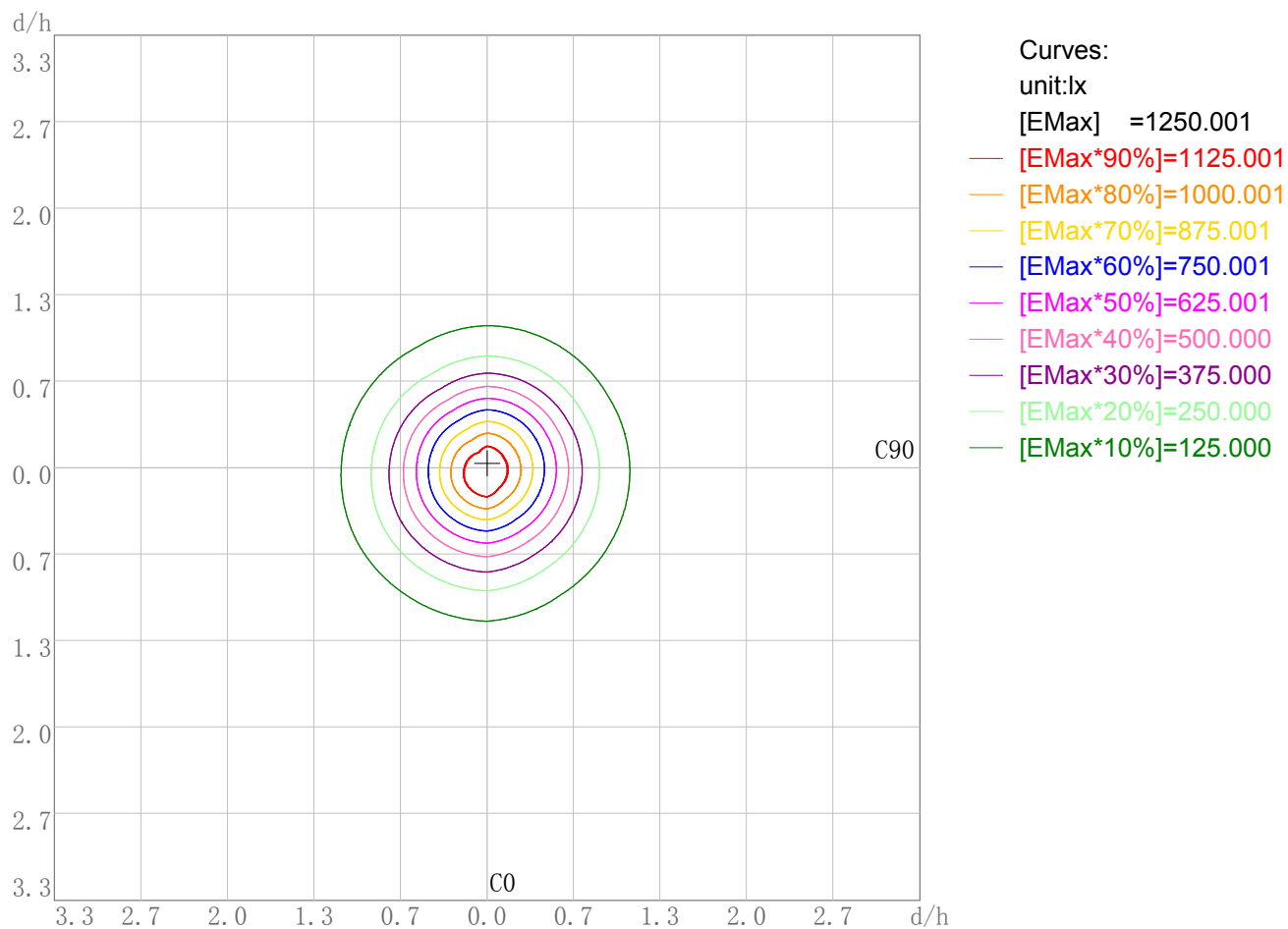


Maximum Light Intensity(cd): 11293.29
Maximum Cand.@Angle: H=-4.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: IM2201002	Lum. Catalog: 2835	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/04/04

Plane ISO-Illuminance Curve

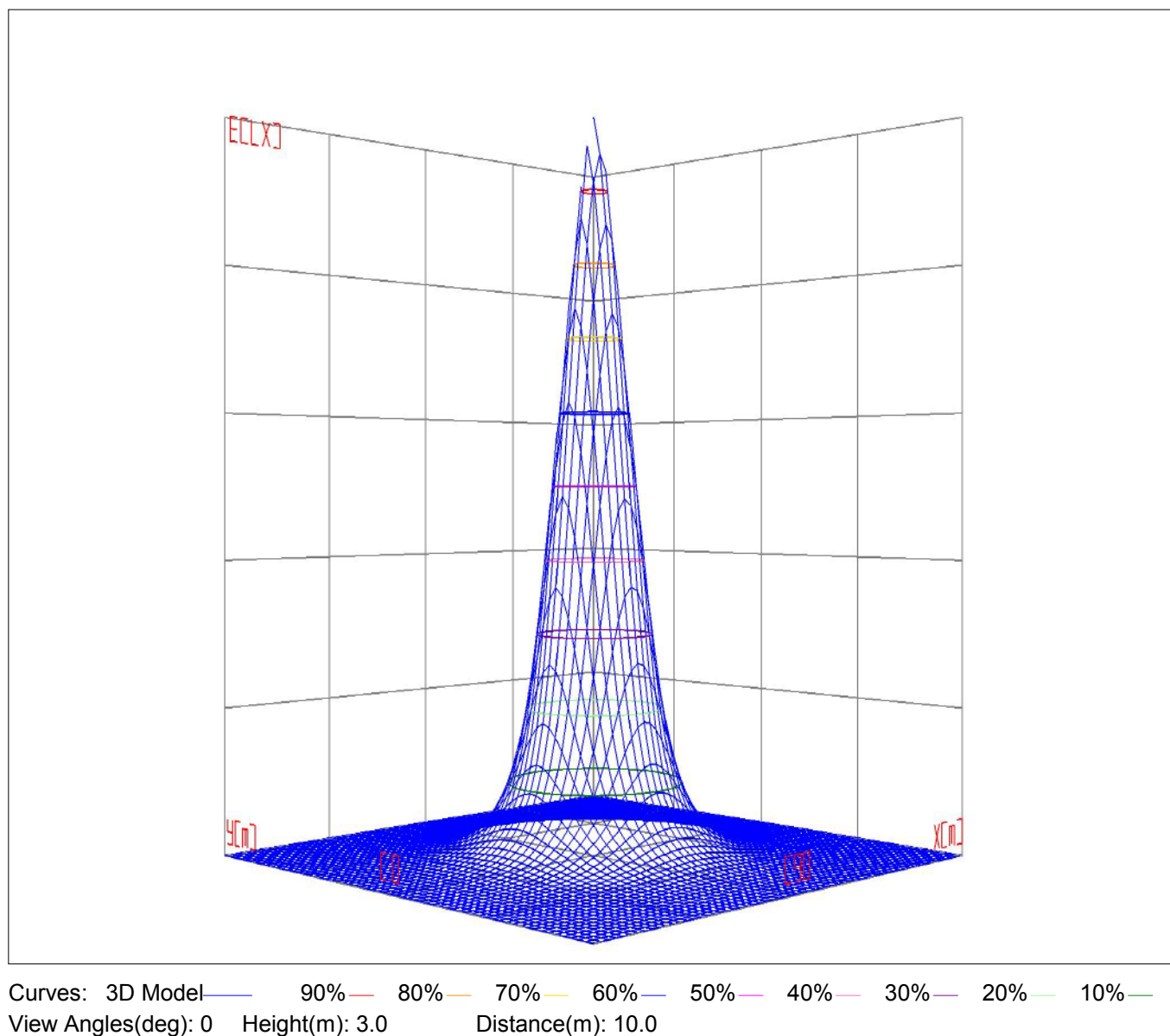


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 1250.00
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: IM2201002	Lum. Catalog:	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/04/04

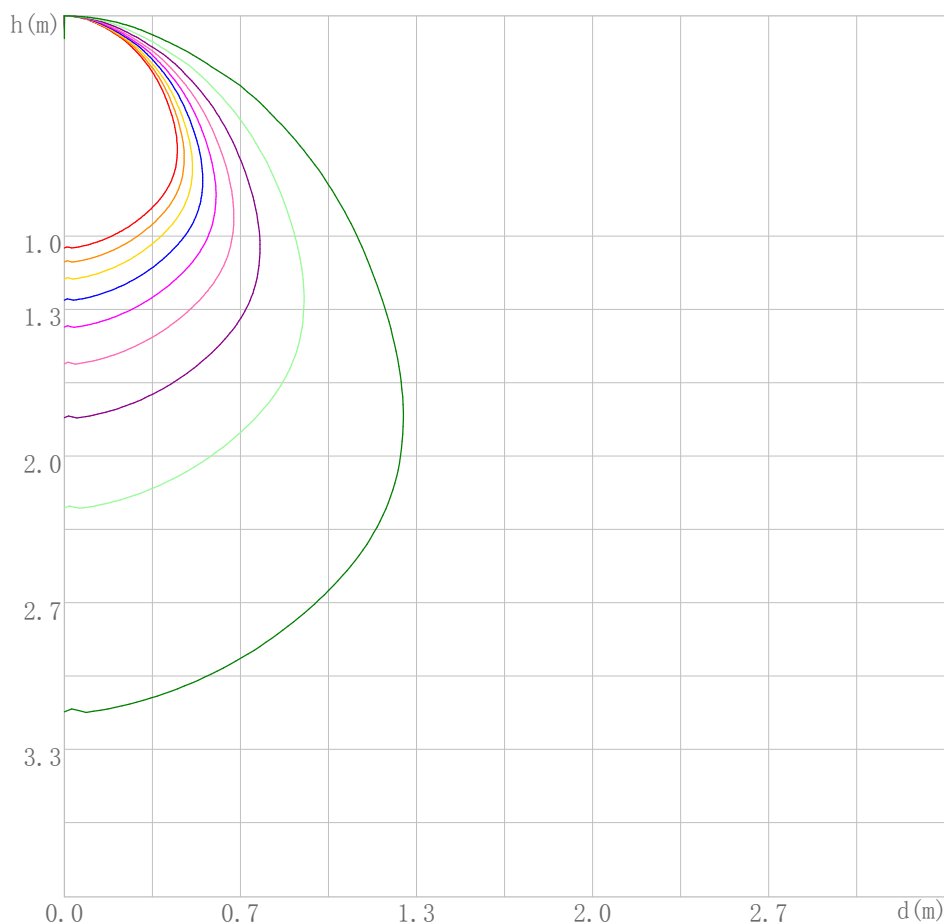
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: IM2201002	Lum. Catalog:	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/04/04

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =11163.821

— [EMax*90%]=10047.439

— [EMax*80%]=8931.057

— [EMax*70%]=7814.675

— [EMax*60%]=6698.293

— [EMax*50%]=5581.911

— [EMax*40%]=4465.528

— [EMax*30%]=3349.146

— [EMax*20%]=2232.764

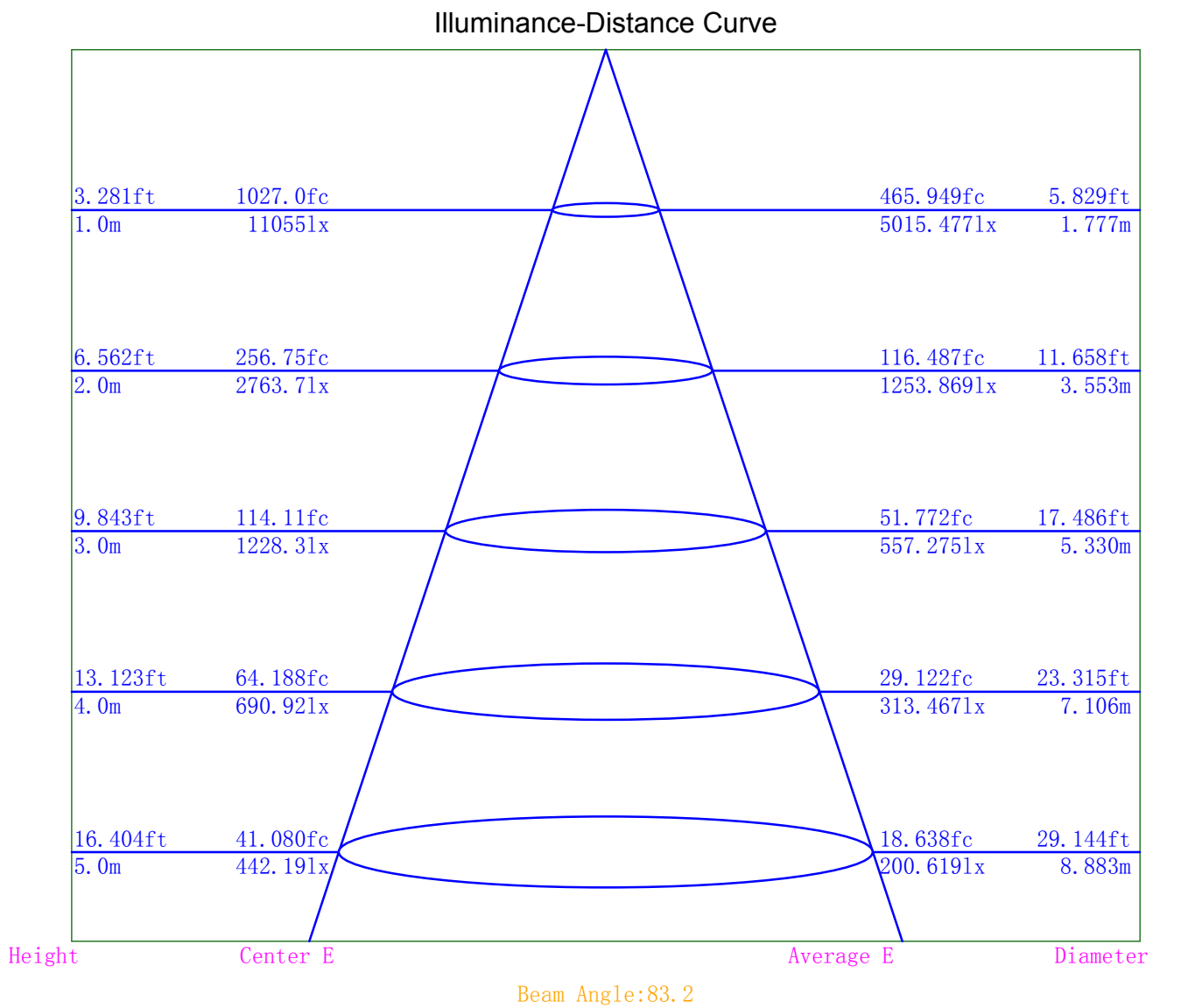
— [EMax*10%]=1116.382

Space Plane Maximum Illuminance and @Angle:11163.82lx,1.5deg

Plane Maximum Lighting Intensity and @Angle:11175.306cd,0deg

Illuminance-Distance Diagram

Lum. Name: IM2201002	Lum. Catalog:	Test ID:
Lamp Name: SMD	Lamp Catalog: 2835	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/04/04



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	39.5	39.9	40.3	40.7	41.1	41.5	42.0	43.4	44.8	46.2	47.6	49.0
B-85.0	39.5	49.1	58.8	71.2	84.5	98.2	113.7	129.8	145.2	159.3	172.1	183.2
B-80.0	39.5	58.2	84.0	115.2	148.5	181.3	212.4	239.9	265.9	290.0	311.5	329.9
B-75.0	39.5	70.0	114.7	165.5	215.1	260.5	305.7	347.7	385.9	421.3	456.3	491.7
B-70.0	39.5	82.8	147.5	214.6	277.1	339.3	399.4	456.1	516.4	581.7	646.9	713.8
B-65.0	39.5	96.1	179.7	259.9	338.7	416.0	494.6	585.9	683.4	806.4	916.7	1022.2
B-60.0	39.5	111.2	210.4	304.5	398.0	494.7	612.0	755.2	907.7	1077.1	1249.9	1435.0
B-55.0	39.5	125.5	238.1	346.5	456.4	587.5	756.1	943.3	1168.3	1389.9	1613.0	1849.2
B-50.0	39.5	139.2	264.5	386.6	518.8	686.8	914.7	1170.6	1426.1	1745.0	2059.5	2370.5
B-45.0	39.5	152.1	289.3	424.7	586.5	813.5	1090.9	1387.6	1758.5	2133.1	2534.5	2951.0
B-40.0	39.5	163.9	312.0	461.1	652.9	933.8	1267.9	1643.1	2082.6	2542.8	3060.6	3611.9
B-35.0	39.5	174.5	332.2	496.9	724.4	1056.0	1442.8	1906.3	2403.3	2985.9	3640.6	4382.7
B-30.0	39.5	183.8	349.7	531.5	801.7	1176.3	1614.0	2146.0	2743.9	3447.0	4275.1	5221.6
B-25.0	39.5	191.8	364.9	564.4	868.2	1291.2	1781.7	2372.2	3075.9	3923.3	4941.9	6024.5
B-20.0	39.5	198.4	378.2	591.9	931.9	1394.2	1928.3	2581.4	3386.4	4385.8	5565.3	6699.7
B-15.0	39.5	203.6	388.6	613.5	983.2	1476.9	2052.1	2763.3	3661.6	4800.1	6079.3	7214.5
B-10.0	39.5	207.4	396.1	629.0	1020.9	1537.1	2147.1	2906.7	3887.4	5124.8	6466.6	7574.1
B-5.0	39.5	209.6	400.6	638.3	1044.9	1577.2	2210.1	3002.8	4043.6	5348.3	6707.9	7797.7
B0.0	39.5	210.3	402.0	641.4	1054.9	1596.7	2237.9	3045.3	4116.2	5451.6	6819.2	7904.7
B5.0	39.5	209.8	400.9	638.3	1045.6	1578.9	2200.7	2982.2	3999.2	5260.4	6588.2	7678.2
B10.0	39.5	207.7	396.8	629.1	1021.8	1538.8	2128.5	2868.4	3805.7	4960.3	6228.5	7326.0
B15.0	39.5	204.1	389.7	613.8	983.9	1475.6	2024.9	2713.0	3553.6	4579.0	5733.9	6824.9
B20.0	39.5	199.0	379.6	592.6	930.7	1391.8	1897.4	2526.2	3264.2	4139.1	5142.7	6176.3
B25.0	39.5	192.5	366.7	565.4	862.5	1287.8	1762.3	2314.1	2949.6	3678.8	4502.1	5411.0
B30.0	39.5	184.6	351.9	532.9	794.2	1173.6	1621.8	2083.4	2629.1	3229.7	3885.1	4658.4
B35.0	39.5	175.3	334.8	499.0	720.0	1060.0	1441.1	1846.0	2309.5	2797.5	3350.6	3942.4
B40.0	39.5	164.8	314.9	464.0	652.4	932.6	1261.7	1647.5	1990.4	2407.8	2841.6	3303.2
B45.0	39.5	153.0	292.6	428.4	588.5	800.3	1092.5	1380.0	1709.3	2022.0	2376.0	2721.9
B50.0	39.5	140.2	268.0	391.3	521.9	683.2	910.7	1163.4	1413.8	1669.1	1930.7	2206.7
B55.0	39.5	126.5	241.6	352.0	461.4	590.4	741.5	945.8	1150.8	1329.7	1535.4	1710.4
B60.0	39.5	112.2	213.5	310.4	404.8	500.1	614.1	737.1	888.0	1055.4	1197.5	1306.5
B65.0	39.5	97.2	182.4	266.0	346.8	424.3	501.4	587.9	671.2	771.2	870.7	980.3
B70.0	39.5	83.9	150.0	219.8	285.7	349.8	410.4	464.4	518.0	574.5	628.1	682.7
B75.0	39.5	71.0	117.2	169.5	222.2	271.3	319.1	359.7	396.1	429.3	459.8	488.0
B80.0	39.5	59.2	86.2	119.0	153.8	188.5	222.9	249.9	274.4	296.7	317.1	334.9
B85.0	39.5	50.1	60.8	74.4	89.0	104.2	121.2	134.3	146.6	158.2	168.5	177.6
B90.0	39.5	41.0	42.5	44.0	45.6	47.1	48.6	46.8	45.0	43.1	41.3	39.5
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	50.4	44.7	39.0	33.3	27.6	21.9	16.2	16.9	17.5	18.2	18.8	19.5
B-85.0	192.8	182.9	170.6	156.3	140.3	123.1	104.7	115.9	126.0	134.5	141.1	145.5
B-80.0	345.3	341.4	334.7	325.9	314.6	300.5	283.4	292.4	298.4	301.9	303.3	303.0
B-75.0	524.5	542.1	552.7	559.0	559.6	554.0	541.8	543.0	537.6	526.3	509.5	489.3
B-70.0	785.2	841.2	879.5	905.8	919.4	922.8	915.4	908.7	890.3	860.1	815.3	756.6
B-65.0	1152.1	1245.0	1320.1	1384.3	1422.7	1444.9	1444.1	1418.2	1367.4	1296.4	1209.7	1109.7
B-60.0	1567.0	1686.4	1807.4	1896.4	1948.3	1964.6	1949.0	1929.7	1882.0	1804.9	1696.2	1565.6
B-55.0	2080.6	2292.0	2445.6	2561.2	2634.1	2661.2	2641.3	2598.2	2514.0	2395.3	2249.1	2081.3
B-50.0	2679.6	2959.7	3189.3	3365.9	3483.7	3530.2	3503.9	3425.2	3286.4	3098.0	2871.9	2620.6

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	3362.8	3768.9	4131.2	4396.2	4562.1	4626.9	4578.1	4450.8	4228.3	3939.7	3603.9	3249.0
B-40.0	4197.1	4771.6	5295.5	5646.9	5858.4	5932.9	5869.5	5696.3	5395.2	4987.0	4498.3	3973.0
B-35.0	5162.6	5891.0	6481.4	6870.8	7083.9	7160.0	7105.6	6921.2	6593.1	6120.5	5511.3	4825.5
B-30.0	6135.5	6895.3	7458.9	7835.7	8031.7	8116.2	8082.8	7925.4	7625.8	7155.8	6496.3	5702.1
B-25.0	6966.3	7670.2	8175.0	8541.0	8773.4	8870.7	8833.5	8689.7	8419.4	7990.4	7342.4	6501.3
B-20.0	7590.3	8236.1	8737.4	9154.3	9449.1	9559.6	9505.3	9325.7	9017.3	8583.7	7991.0	7161.4
B-15.0	8048.9	8670.1	9224.9	9705.6	10059.2	10190.3	10112.2	9882.7	9505.6	9026.6	8438.1	7674.1
B-10.0	8378.0	9035.0	9634.3	10156.7	10544.8	10722.4	10603.1	10311.4	9872.6	9327.6	8813.5	8189.3
B-5.0	8601.0	9292.5	9936.1	10487.7	10904.3	11081.1	10929.9	10554.1	10112.7	9692.0	9168.8	8534.3
B0.0	8718.0	9429.4	10093.8	10662.4	11095.4	11291.5	11054.7	10929.6	10494.2	9971.9	9391.8	8739.4
B5.0	8494.1	9164.6	9762.6	10256.7	10579.4	10762.1	10784.6	10611.1	10271.2	9812.2	9271.6	8628.0
B10.0	8156.0	8788.3	9311.5	9768.8	10155.2	10363.6	10385.1	10195.0	9914.5	9513.8	9022.8	8375.7
B15.0	7689.8	8325.8	8861.0	9314.6	9649.8	9849.7	9871.9	9728.2	9456.7	9113.3	8637.9	7957.4
B20.0	7074.8	7821.1	8376.1	8784.5	9080.4	9261.6	9297.7	9178.9	8926.3	8589.0	8090.8	7351.8
B25.0	6348.7	7134.1	7731.8	8158.1	8445.8	8612.6	8651.3	8537.4	8281.7	7875.8	7314.7	6562.5
B30.0	5478.0	6230.0	6848.1	7310.0	7629.6	7800.5	7830.5	7691.3	7390.4	6911.1	6334.6	5632.7
B35.0	4569.2	5192.8	5747.0	6207.8	6529.8	6697.2	6716.2	6562.1	6254.0	5796.1	5249.2	4685.9
B40.0	3762.9	4212.5	4619.5	4992.1	5268.3	5417.6	5434.7	5296.4	5034.3	4671.5	4240.6	3841.0
B45.0	3069.8	3390.3	3682.1	3931.1	4112.5	4209.4	4215.5	4126.8	3954.6	3716.8	3430.3	3138.1
B50.0	2459.7	2691.9	2912.1	3093.9	3219.0	3287.4	3295.6	3236.0	3121.5	2960.6	2760.9	2534.6
B55.0	1919.0	2098.3	2260.0	2389.9	2484.5	2539.6	2552.5	2510.4	2427.5	2305.8	2149.6	1968.7
B60.0	1413.8	1528.9	1674.1	1786.6	1860.2	1899.4	1908.9	1877.2	1819.6	1736.8	1639.0	1531.4
B65.0	1086.3	1163.1	1217.6	1268.7	1325.6	1368.6	1391.8	1362.5	1313.2	1250.1	1173.7	1074.2
B70.0	736.6	777.9	824.2	864.0	894.6	911.4	914.9	900.4	872.7	831.6	780.6	720.9
B75.0	512.6	536.6	556.8	573.8	585.6	592.0	593.0	584.9	571.6	553.5	530.9	505.3
B80.0	349.8	363.0	373.8	381.7	386.8	389.0	388.3	382.6	373.9	362.3	347.6	329.9
B85.0	184.8	189.9	194.0	196.8	198.3	198.4	197.0	190.5	182.4	172.7	161.5	148.8
B90.0	37.7	34.6	31.6	28.5	25.5	22.4	19.4	18.1	16.9	15.7	14.4	13.2
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	20.1	18.8	17.4	16.1	14.7	13.4	12.0	12.0	12.0	11.9	11.9	11.8
B-85.0	147.1	135.1	122.4	108.9	94.3	79.3	64.8	50.5	38.6	28.2	19.9	15.4
B-80.0	300.5	286.0	268.5	247.6	222.3	193.2	160.3	124.5	90.7	60.1	35.4	18.9
B-75.0	464.8	435.3	405.5	375.1	342.5	306.1	263.5	212.6	158.6	104.3	57.7	25.5
B-70.0	694.1	635.9	573.6	513.4	459.4	409.6	356.4	294.5	227.8	155.5	85.3	33.2
B-65.0	1010.5	915.1	800.0	688.6	598.6	513.4	441.8	369.1	290.7	206.5	116.1	41.8
B-60.0	1431.1	1268.2	1080.9	933.9	767.8	640.6	530.3	438.4	348.7	253.2	148.2	52.9
B-55.0	1869.9	1665.5	1438.0	1210.3	995.3	790.6	635.2	508.1	402.8	295.2	179.5	63.5
B-50.0	2353.4	2066.9	1783.5	1541.5	1244.1	987.3	753.8	584.9	453.7	334.3	208.3	75.2
B-45.0	2890.8	2522.3	2154.8	1794.8	1532.8	1182.5	912.2	666.1	503.3	370.5	234.4	87.1
B-40.0	3476.9	3012.7	2557.5	2115.3	1731.0	1403.7	1041.0	760.8	552.0	402.9	257.0	97.9
B-35.0	4133.3	3507.9	2965.3	2448.0	1977.7	1631.7	1202.7	868.9	602.4	432.2	277.0	108.1
B-30.0	4843.5	4033.5	3346.4	2789.4	2249.5	1764.6	1364.2	955.9	650.5	459.0	294.2	117.6
B-25.0	5537.8	4559.6	3769.3	3116.3	2503.3	1938.2	1507.3	1030.3	697.7	482.3	308.9	125.7
B-20.0	6139.0	5151.0	4213.2	3419.6	2734.1	2105.5	1624.8	1109.7	746.8	501.5	321.4	132.4
B-15.0	6778.5	5714.8	4628.5	3697.2	2930.7	2246.9	1696.5	1182.7	787.5	516.3	331.0	137.6
B-10.0	7297.3	6177.2	4981.4	3928.3	3087.2	2355.1	1755.2	1240.3	817.7	526.7	337.8	141.3
B-5.0	7659.7	6508.7	5234.7	4096.6	3193.7	2425.0	1793.6	1275.1	835.3	532.4	341.6	143.4

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	7865.1	6690.6	5366.8	4181.4	3243.1	2453.2	1809.4	1286.2	840.5	533.7	342.5	143.9
B5.0	7744.5	6574.2	5278.1	4123.2	3207.7	2433.3	1798.6	1275.0	835.8	532.5	341.5	143.3
B10.0	7462.6	6300.7	5063.1	3980.2	3113.1	2371.5	1761.7	1240.0	818.9	526.7	337.5	141.1
B15.0	7010.1	5881.2	4739.6	3768.9	2967.1	2271.5	1697.3	1182.1	790.1	516.4	330.5	137.4
B20.0	6401.4	5345.4	4339.7	3501.5	2779.1	2140.3	1605.6	1111.6	750.7	501.6	320.7	132.1
B25.0	5662.9	4738.0	3909.6	3193.6	2550.9	1981.4	1486.0	1030.3	701.7	482.4	308.0	125.4
B30.0	4868.5	4123.2	3467.5	2866.6	2303.6	1795.3	1362.4	951.2	650.2	459.0	293.0	117.2
B35.0	4100.1	3548.8	3023.8	2520.0	2047.1	1594.0	1201.1	870.4	600.8	432.0	275.5	107.6
B40.0	3429.3	3011.4	2589.7	2174.6	1763.2	1397.9	1041.0	770.1	552.0	402.0	255.3	97.4
B45.0	2838.4	2510.8	2168.2	1823.0	1484.2	1181.0	909.5	667.4	503.6	368.8	232.6	86.6
B50.0	2293.7	2035.2	1759.7	1496.6	1236.3	976.5	766.8	583.1	453.6	332.0	206.7	74.7
B55.0	1788.0	1602.7	1398.7	1193.3	979.7	805.6	631.3	508.6	401.1	292.2	178.1	63.0
B60.0	1361.2	1227.2	1060.0	919.1	771.1	635.6	531.0	437.9	345.5	249.7	146.7	52.4
B65.0	975.8	887.7	778.7	680.0	594.2	514.3	441.1	365.3	286.1	203.9	114.7	41.2
B70.0	675.9	626.5	569.0	515.2	463.1	408.9	351.1	288.5	223.5	153.1	84.0	32.6
B75.0	476.8	448.2	416.3	381.2	342.9	301.1	255.9	208.0	155.3	102.1	56.5	24.8
B80.0	309.9	290.8	268.8	244.3	217.4	187.9	155.4	120.6	88.0	58.3	34.1	18.3
B85.0	134.7	123.6	112.1	100.0	87.0	73.8	61.0	47.2	35.9	26.1	18.6	15.0
B90.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.4	11.5	11.6	11.6	11.7
V/H	β 90.0											
B-90.0	11.8											
B-85.0	11.8											
B-80.0	11.8											
B-75.0	11.8											
B-70.0	11.8											
B-65.0	11.8											
B-60.0	11.8											
B-55.0	11.8											
B-50.0	11.8											
B-45.0	11.8											
B-40.0	11.8											
B-35.0	11.8											
B-30.0	11.8											
B-25.0	11.8											
B-20.0	11.8											
B-15.0	11.8											
B-10.0	11.8											
B-5.0	11.8											
B0.0	11.8											
B5.0	11.8											
B10.0	11.8											
B15.0	11.8											
B20.0	11.8											
B25.0	11.8											
B30.0	11.8											
B35.0	11.8											
B40.0	11.8											

Candela Tabulation - (Cont.)

V/H	β 90.0
B45.0	11.8
B50.0	11.8
B55.0	11.8
B60.0	11.8
B65.0	11.8
B70.0	11.8
B75.0	11.8
B80.0	11.8
B85.0	11.8
B90.0	11.8