

# Photometrics • Lusio Bay • Medium Distribution

► Part No. LW-LUSIO-BAY-LG-MD-CW

**Total Thermally Stabilized Lumens:** 6,341  
**Kelvin:** 4150K +/- 350K (standard)

**Fixture Wattage:** 103W (110-277 VAC)  
**Luminaire Efficacy Rating:** 62

**Spacing Criteria**  
 Lateral Plane      0°      90°  
                                  1.3      1.3

*Photometry results from actual luminaire tested at 3950K.*

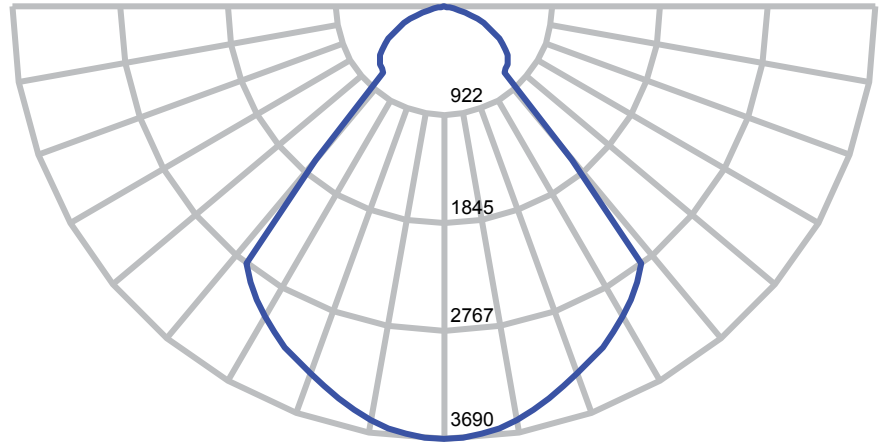
► **Beam Data**



Height	Beam Center Footcandles	Beam Diameter
10 ft	36.9	44.3 ft
12 ft	25.6	53.2 ft
15 ft	16.4	66.4 ft
18 ft	11.4	79.7 ft
20 ft	9.2	89.0 ft
25 ft	5.9	111.0 ft

► **Polar Candela Distribution**

*Quadrilaterally Symmetric*



► **Coefficients of Utilization - Zonal Cavity Method**

*Effective Floor Cavity Reflectance: 0.20*

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	96	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46
8	69	57	50	45	67	57	49	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	50	44	40	39
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36

► **Zonal Lumen Summary**

Zone	Lumens	Zone	Lumens	% of Fixture
0° - 10°	348.4	0° - 30°	2,836.6	44.7
10° - 20°	987.1	0° - 40°	4,550.4	71.8
20° - 30°	1,501.2	0° - 60°	5,739.6	90.5
30° - 40°	1,713.8	0° - 90°	6,341.0	100
40° - 50°	640.8	90° - 120°	0	0
50° - 60°	548.4	90° - 130°	0	0
60° - 70°	396.3	90° - 150°	0	0
70° - 80°	179.1	90° - 180°	0	0
80° - 90°	26.0	0° - 180°	6,341.0	100
90° - 180°	0.0			
<b>Total</b>	<b>6,341.0</b>			

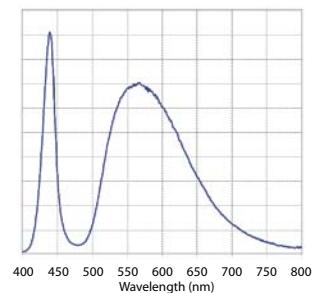
► **Candela Distribution Array**

Vertical Angle	Horizontal Angle		
	0°	45°	90°
0°	3,689.3	3,689.3	3,689.3
5°	3,670.5	3,676.1	3,680.2
15°	3,506.7	3,530.3	3,525.4
25°	3,262.4	3,293.1	3,298.3
35°	2,680.0	2,977.3	2,995.4
45°	733.7	718.1	724.0
55°	619.0	615.0	620.4
65°	406.7	412.4	414.6
75°	172.9	180.3	179.6
85°	16.6	18.7	15.7
90°	0.9	2.1	0.7

► **Luminaire Data (Cd/m<sup>2</sup>)**

Vertical Angle	Average 0°	Average 45°	Average 90°
45°	3,332.0	3,261.0	3,288.0
55°	3,465.0	3,443.0	3,473.0
65°	3,090.0	3,133.0	3,150.0
75°	2,145.0	2,237.0	2,228.0
85°	613.0	689.0	578.0

► **Spectral Power Distribution**



DATA IS SUBJECT TO CHANGE. CONSULT LIGHTWILD.COM OR PROJECTS@LIGHTWILD.COM FOR THE MOST CURRENT PRODUCT DATA.