

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641759

Luminaire Tested: GWS-SA6B-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641759  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11397.5 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

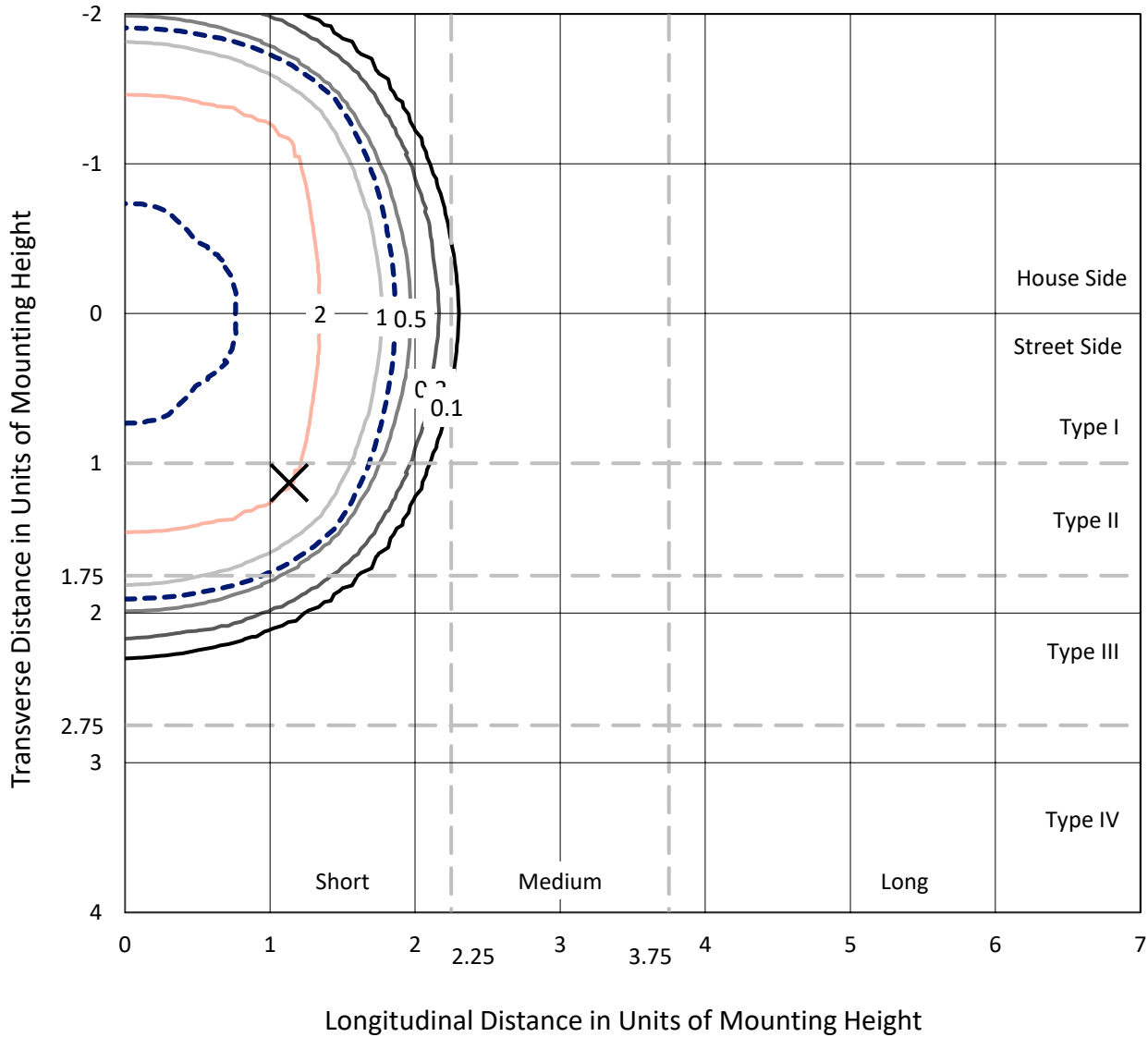


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### Iso-Footcandle Lines of Horizontal Illumination

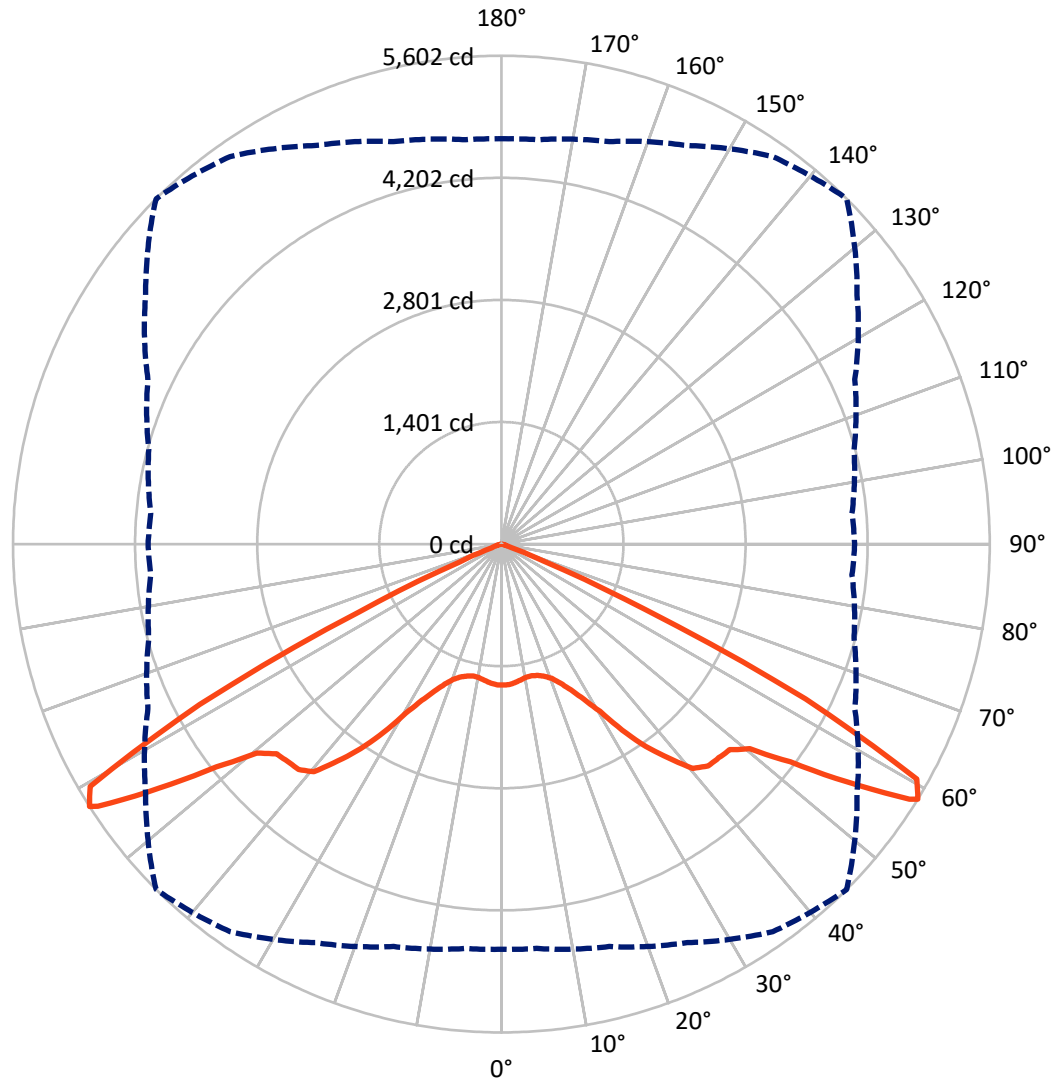
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5698.8	0.0	5698.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5698.8	0.0	5698.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11397.5	0.0	11397.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.8	1.3
10°-20°	446.2	3.9
20°-30°	843.9	7.4
30°-40°	1664.4	14.6
40°-50°	2633.9	23.1
50°-60°	3871.7	34.0
60°-70°	1728.2	15.2
70°-80°	57.9	0.5
80°-90°	0.5	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	11397.5	100.0
0°-180°	11397.5	100.0

**Coefficient of Utilization**



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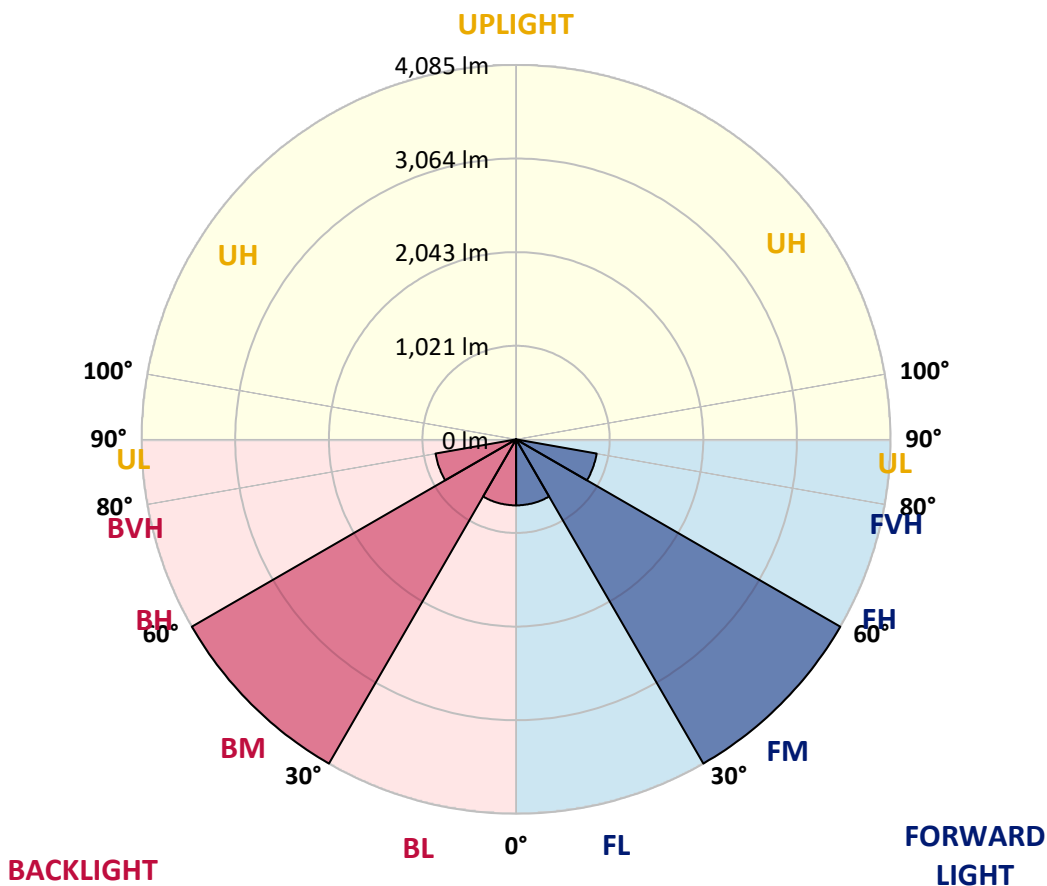
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	720.5	6.3			
FM (30°-60°)	4085.0	35.8			
FH (60°-80°)	893.0	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	720.5	6.3	B2/1000		
BM (30°-60°)	4085.0	35.8	B3/5000		
BH (60°-80°)	893.0	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3	1616.3
2.5°	1600.8	1603.9	1607.0	1608.6	1610.1	1614.8	1616.3	1611.7	1611.7	1602.3	1613.2
5°	1593.0	1596.1	1599.2	1597.7	1597.7	1597.7	1596.1	1589.9	1588.4	1579.1	1589.9
7.5°	1579.1	1582.2	1582.2	1577.5	1574.4	1574.4	1572.8	1565.1	1563.5	1554.2	1565.1
10°	1568.2	1569.7	1568.2	1558.9	1552.7	1552.7	1551.1	1548.0	1549.6	1543.3	1552.7
12.5°	1574.4	1575.9	1569.7	1557.3	1549.6	1548.0	1543.3	1538.7	1543.3	1541.8	1551.1
15°	1594.6	1596.1	1585.3	1569.7	1563.5	1563.5	1551.1	1538.7	1544.9	1546.4	1557.3
17.5°	1619.4	1619.4	1605.4	1591.5	1593.0	1593.0	1572.8	1551.1	1552.7	1558.9	1569.7
20°	1648.9	1648.9	1634.9	1631.8	1642.7	1644.3	1619.4	1585.3	1577.5	1582.2	1594.6
22.5°	1701.7	1701.7	1690.8	1698.6	1723.5	1731.2	1694.0	1645.8	1627.2	1630.3	1642.7
25°	1784.0	1784.0	1780.9	1799.5	1835.2	1852.3	1802.6	1739.0	1707.9	1703.3	1717.2
27.5°	1922.2	1923.7	1919.1	1947.0	1992.1	2012.2	1943.9	1860.1	1822.8	1815.1	1829.0
30°	2100.7	2100.7	2102.3	2141.1	2200.1	2226.5	2136.5	2038.6	1995.2	1970.3	1989.0
32.5°	2299.5	2302.6	2318.1	2383.3	2487.4	2541.7	2409.7	2273.1	2203.2	2176.8	2197.0
35°	2627.1	2597.6	2579.0	2627.1	2777.7	2849.1	2679.9	2520.0	2467.2	2464.1	2515.3
37.5°	2951.6	2934.5	2895.7	2945.4	3080.5	3113.1	2926.8	2793.2	2756.0	2776.2	2827.4
40°	3209.3	3178.3	3127.1	3173.6	3350.6	3383.2	3153.4	3021.5	3007.5	3052.5	3122.4
42.5°	3412.7	3369.3	3301.0	3311.8	3454.7	3478.0	3274.6	3175.2	3184.5	3240.4	3319.6
45°	3504.3	3470.2	3409.6	3405.0	3495.0	3496.6	3336.7	3285.4	3310.3	3353.7	3415.8
47.5°	3543.2	3527.6	3493.5	3485.7	3537.0	3524.5	3425.2	3403.4	3426.7	3439.1	3474.8
50°	3639.4	3639.4	3644.1	3650.3	3703.1	3690.7	3620.8	3596.0	3566.5	3523.0	3533.9
52.5°	3909.6	3920.5	3965.5	4015.2	4111.4	4151.8	4038.5	3894.1	3752.8	3658.1	3658.1
55°	4397.1	4408.0	4460.8	4544.6	4721.6	4817.9	4553.9	4235.7	4041.6	3912.7	3929.8
57.5°	4665.7	4678.2	4786.8	5013.5	5356.7	5519.7	4953.0	4481.0	4209.3	4061.8	4074.2
58°	4648.7	4656.4	4779.1	5044.6	5426.5	5602.0	4980.9	4473.2	4187.5	4036.9	4052.4
60°	4130.1	4119.2	4314.8	4693.7	5232.5	5474.7	4703.0	4083.5	3751.2	3597.5	3605.3
62.5°	2700.1	2706.3	2875.5	3271.5	3690.7	3918.9	3285.4	2824.3	2557.2	2464.1	2440.8
65°	1127.2	1107.0	1211.1	1431.6	1683.1	1810.4	1555.8	1316.7	1152.1	1090.0	1107.0
67.5°	290.3	282.6	288.8	361.8	442.5	523.2	439.4	335.4	291.9	295.0	295.0
70°	164.6	155.3	125.8	116.4	113.3	113.3	113.3	113.3	130.4	153.7	158.4
72.5°	124.2	116.4	91.6	79.2	69.9	65.2	68.3	79.2	94.7	114.9	118.0
75°	62.1	62.1	55.9	52.8	46.6	43.5	45.0	49.7	57.4	65.2	63.7
77.5°	12.4	14.0	15.5	18.6	15.5	15.5	15.5	18.6	18.6	20.2	18.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)