

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: P641649

Luminaire Tested: GWS-SA6B-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641649
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10989.5 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

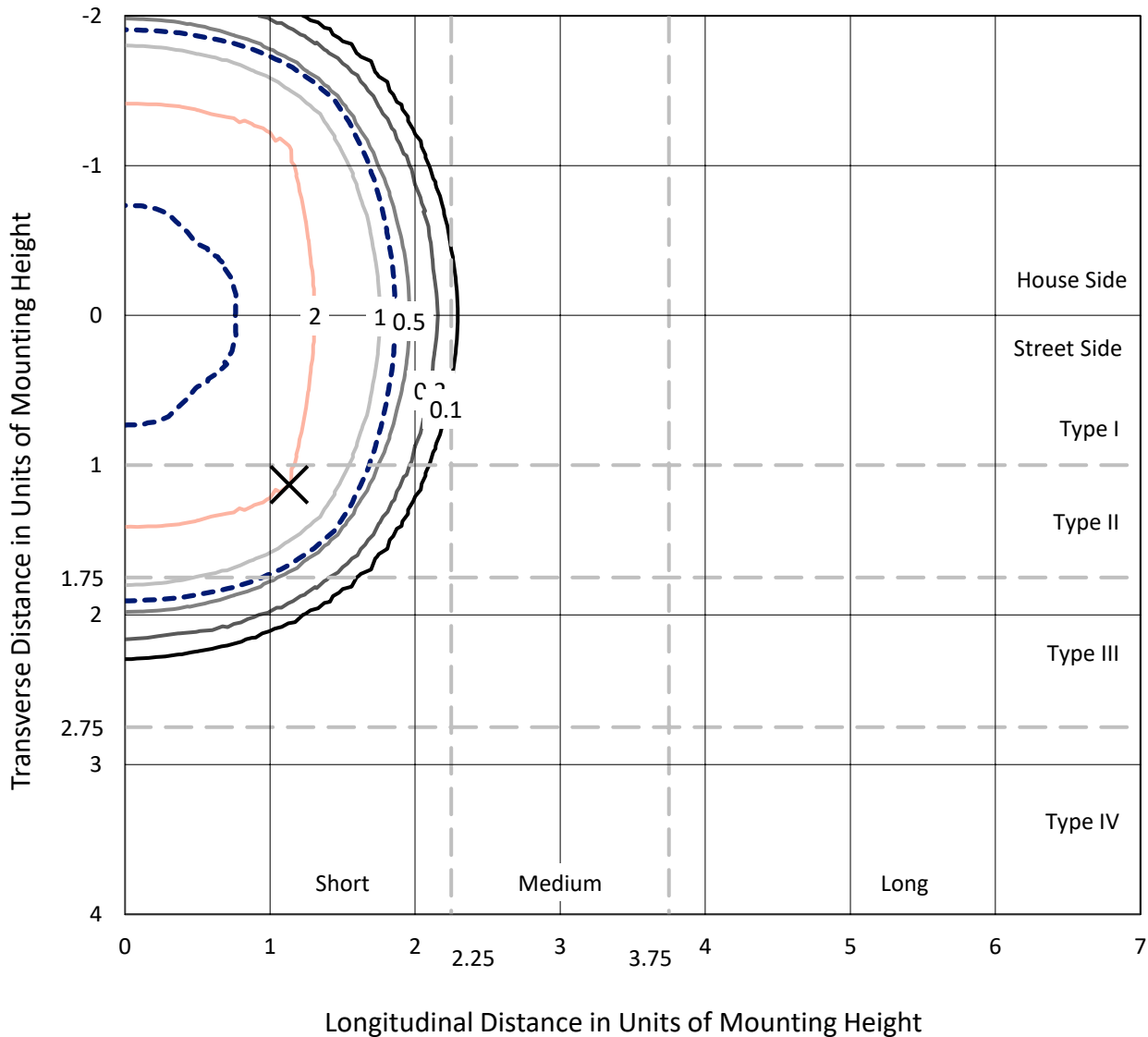
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

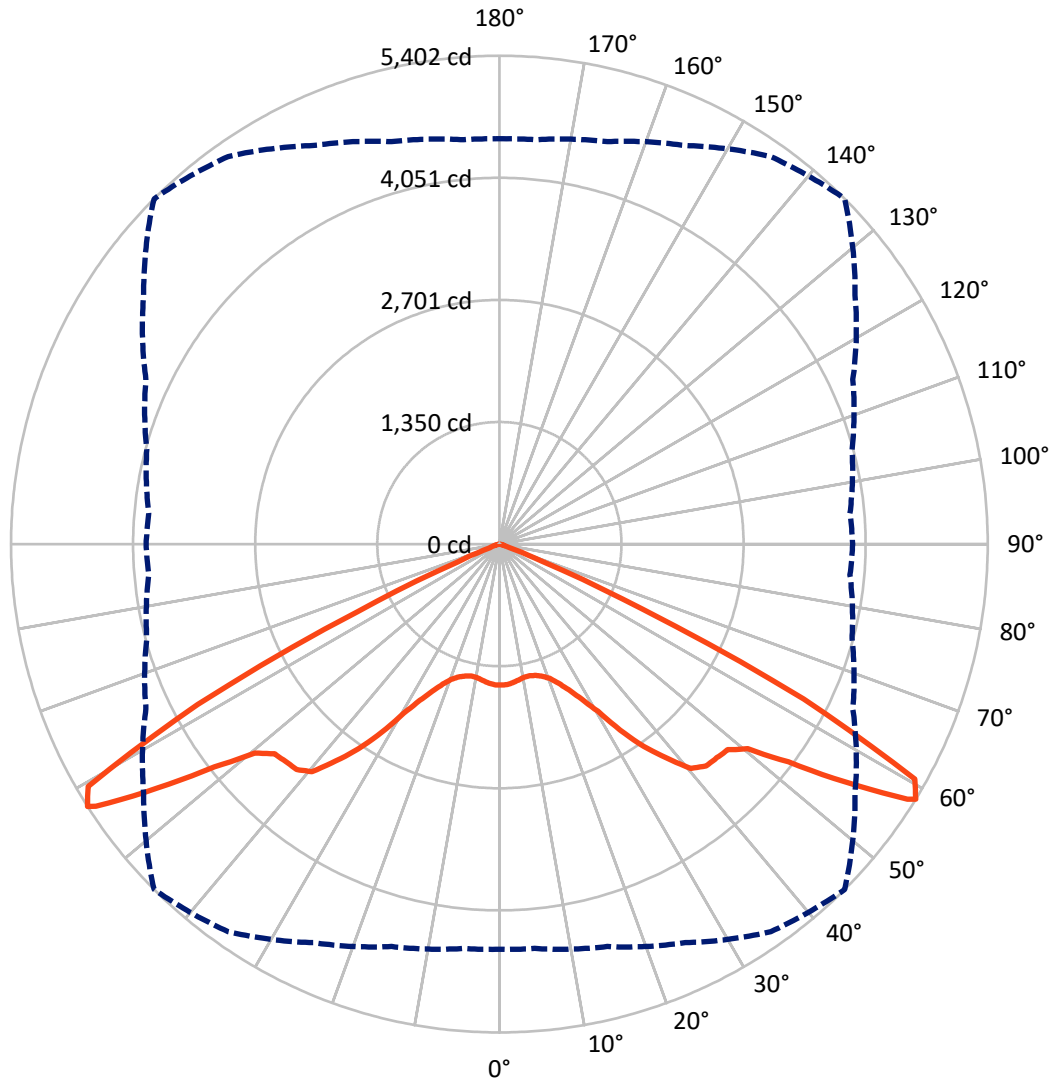
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 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
House Side	Lumens	5494.8	0.0	5494.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5494.8	0.0	5494.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	10989.5	0.0	10989.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.3
10°-20°	430.2	3.9
20°-30°	813.7	7.4
30°-40°	1604.8	14.6
40°-50°	2539.6	23.1
50°-60°	3733.1	34.0
60°-70°	1666.3	15.2
70°-80°	55.8	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°	10989.5	100.0
0°-180°	10989.5	100.0

Coefficient of Utilization



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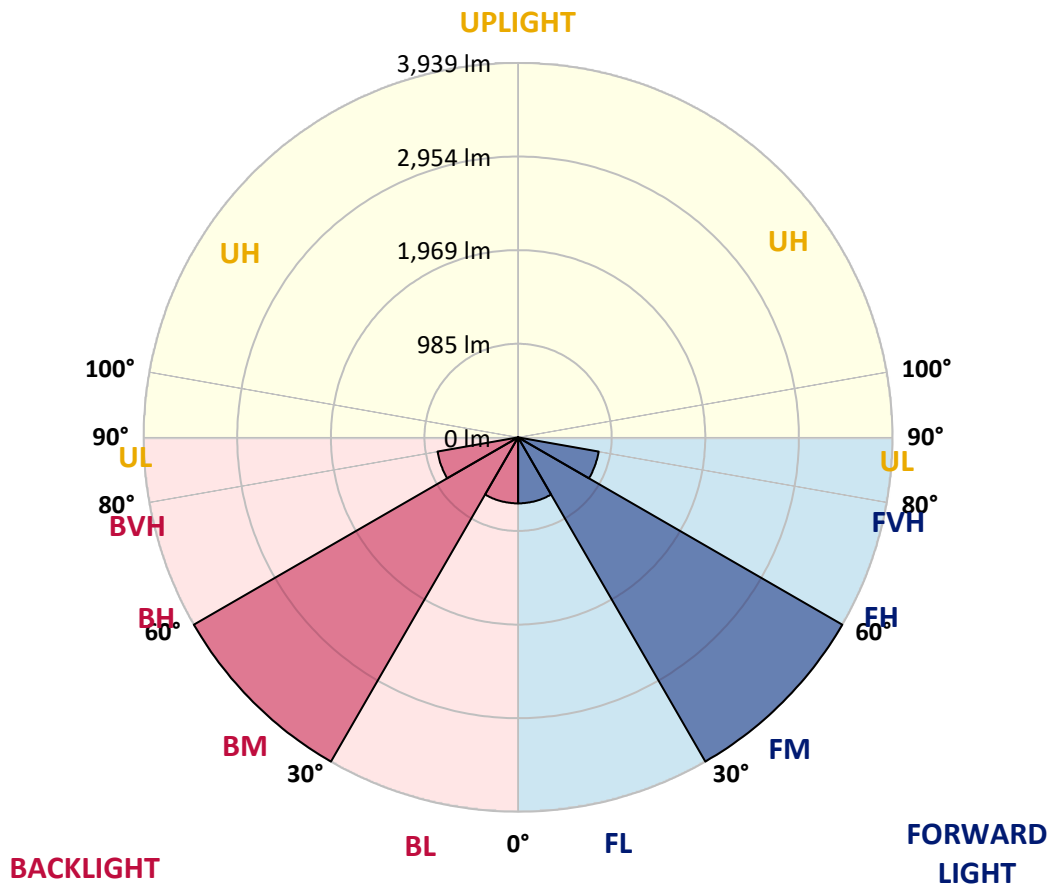
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	694.7	6.3			
FM (30°-60°)	3938.8	35.8			
FH (60°-80°)	861.1	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	694.7	6.3	B2/1000		
BM (30°-60°)	3938.8	35.8	B3/5000		
BH (60°-80°)	861.1	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°	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5	1558.5
2.5°	1543.5	1546.5	1549.5	1551.0	1552.5	1557.0	1558.5	1554.0	1554.0	1545.0	1555.5
5°	1536.0	1539.0	1542.0	1540.5	1540.5	1540.5	1539.0	1533.0	1531.5	1522.5	1533.0
7.5°	1522.5	1525.5	1525.5	1521.0	1518.0	1518.0	1516.5	1509.1	1507.6	1498.6	1509.1
10°	1512.0	1513.5	1512.0	1503.1	1497.1	1497.1	1495.6	1492.6	1494.1	1488.1	1497.1
12.5°	1518.0	1519.5	1513.5	1501.6	1494.1	1492.6	1488.1	1483.6	1488.1	1486.6	1495.6
15°	1537.5	1539.0	1528.5	1513.5	1507.6	1507.6	1495.6	1483.6	1489.6	1491.1	1501.6
17.5°	1561.5	1561.5	1548.0	1534.5	1536.0	1536.0	1516.5	1495.6	1497.1	1503.1	1513.5
20°	1589.9	1589.9	1576.4	1573.4	1583.9	1585.4	1561.5	1528.5	1521.0	1525.5	1537.5
22.5°	1640.8	1640.8	1630.3	1637.8	1661.8	1669.2	1633.3	1586.9	1568.9	1571.9	1583.9
25°	1720.1	1720.1	1717.1	1735.1	1769.5	1786.0	1738.1	1676.7	1646.8	1642.3	1655.8
27.5°	1853.4	1854.9	1850.4	1877.3	1920.8	1940.2	1874.3	1793.5	1757.6	1750.1	1763.6
30°	2025.5	2025.5	2027.0	2064.5	2121.4	2146.8	2060.0	1965.7	1923.7	1899.8	1917.8
32.5°	2217.2	2220.2	2235.1	2298.0	2398.3	2450.7	2323.5	2191.7	2124.4	2098.9	2118.4
35°	2533.1	2504.6	2486.6	2533.1	2678.3	2747.1	2584.0	2429.8	2378.9	2375.9	2425.3
37.5°	2845.9	2829.5	2792.0	2840.0	2970.2	3001.6	2822.0	2693.2	2657.3	2676.8	2726.2
40°	3094.5	3064.5	3015.1	3060.0	3230.7	3262.1	3040.6	2913.3	2899.8	2943.3	3010.6
42.5°	3290.6	3248.7	3182.8	3193.3	3331.0	3353.5	3157.3	3061.5	3070.5	3124.4	3200.8
45°	3378.9	3346.0	3287.6	3283.1	3369.9	3371.4	3217.2	3167.8	3191.8	3233.7	3293.6
47.5°	3416.3	3401.4	3368.4	3360.9	3410.3	3398.4	3302.6	3281.6	3304.0	3316.0	3350.5
50°	3509.1	3509.1	3513.6	3519.6	3570.5	3558.6	3491.2	3467.2	3438.8	3396.9	3407.3
52.5°	3769.6	3780.1	3823.5	3871.4	3964.3	4003.2	3893.9	3754.7	3618.4	3527.1	3527.1
55°	4239.7	4250.2	4301.1	4381.9	4552.6	4645.4	4390.9	4084.0	3896.9	3772.6	3789.1
57.5°	4498.7	4510.7	4615.5	4834.1	5164.9	5322.1	4775.7	4320.6	4058.6	3916.4	3928.3
58°	4482.2	4489.7	4608.0	4864.0	5232.3	5401.5	4802.6	4313.1	4037.6	3892.4	3907.4
60°	3982.2	3971.7	4160.4	4525.7	5045.2	5278.7	4534.6	3937.3	3616.9	3468.7	3476.2
62.5°	2603.4	2609.4	2772.6	3154.3	3558.6	3778.6	3167.8	2723.2	2465.7	2375.9	2353.4
65°	1086.9	1067.4	1167.7	1380.3	1622.8	1745.6	1500.1	1269.5	1110.8	1050.9	1067.4
67.5°	280.0	272.5	278.5	348.8	426.7	504.5	423.7	323.4	281.5	284.4	284.4
70°	158.7	149.7	121.3	112.3	109.3	109.3	109.3	109.3	125.8	148.2	152.7
72.5°	119.8	112.3	88.3	76.4	67.4	62.9	65.9	76.4	91.3	110.8	113.8
75°	59.9	59.9	53.9	50.9	44.9	41.9	43.4	47.9	55.4	62.9	61.4
77.5°	12.0	13.5	15.0	18.0	15.0	15.0	15.0	18.0	18.0	19.5	18.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)