

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: P633338

Luminaire Tested: GWS-SA2E-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9119.3 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 108.2
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

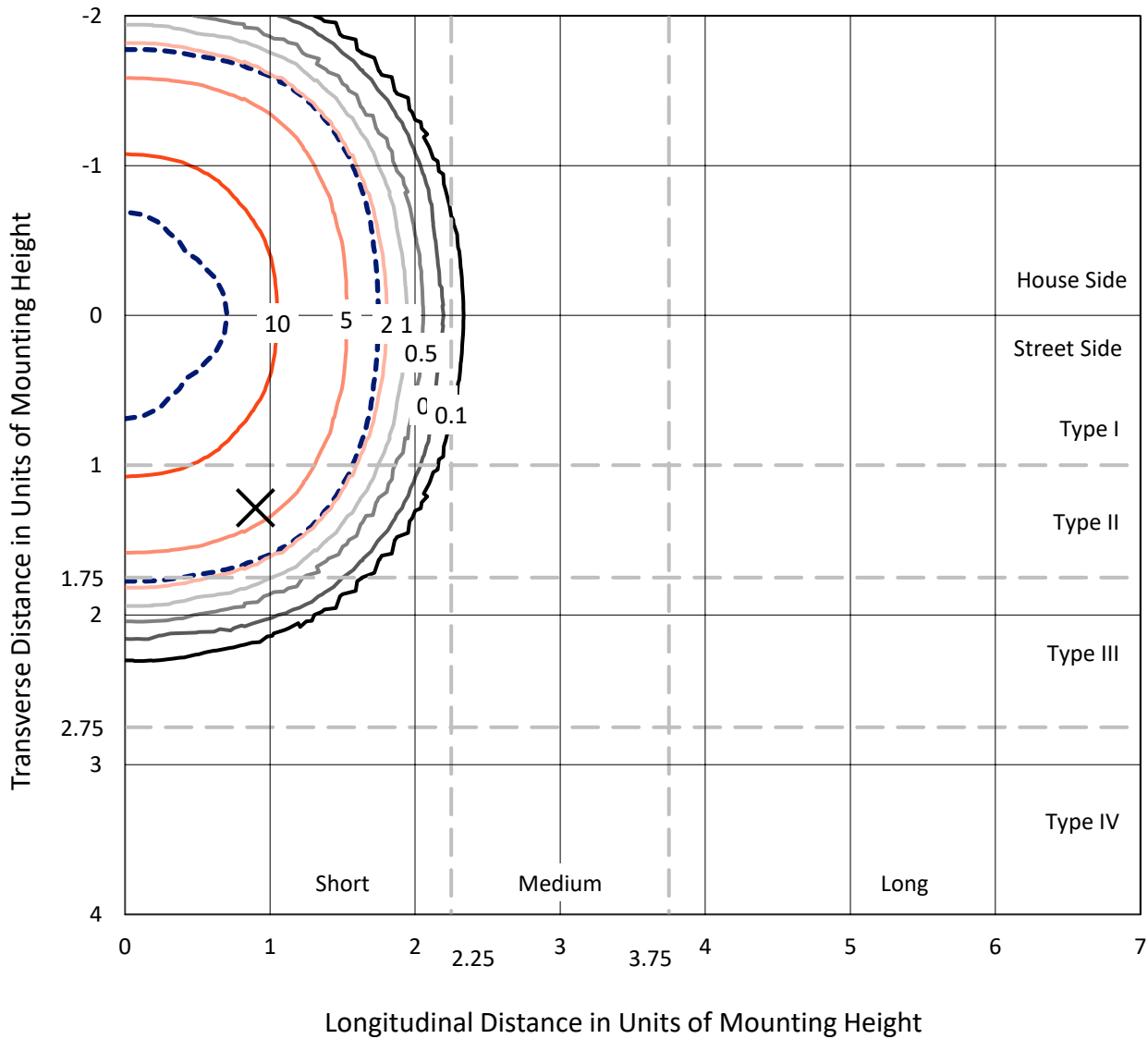


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Iso-Footcandle Lines of Horizontal Illumination

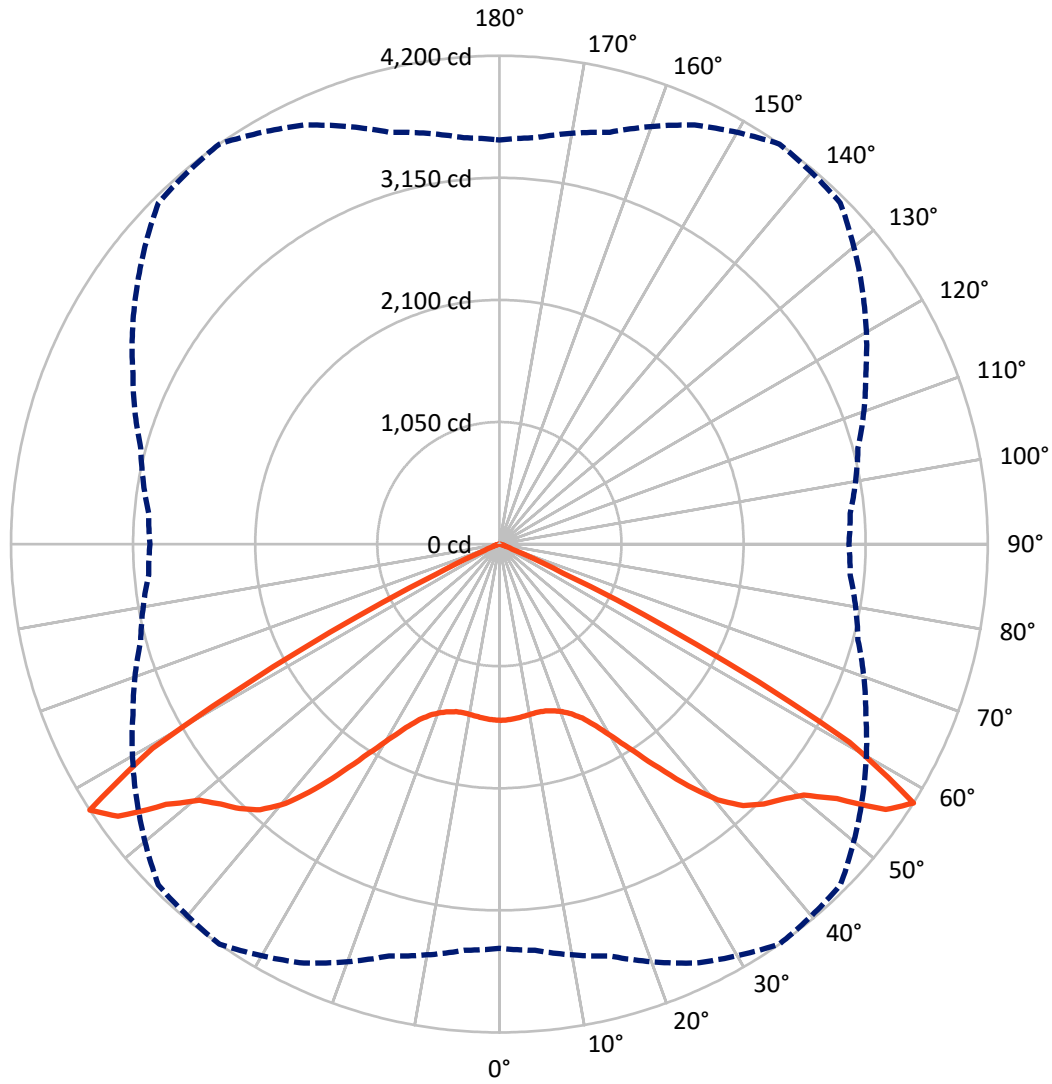
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4559.7	0.0	4559.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4559.7	0.0	4559.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9119.3	0.0	9119.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.8	1.6
10°-20°	420.2	4.6
20°-30°	759.5	8.3
30°-40°	1417.0	15.5
40°-50°	2377.0	26.1
50°-60°	3139.0	34.4
60°-70°	833.7	9.1
70°-80°	29.6	0.3
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°	9119.3	100.0
0°-180°	9119.3	100.0

Coefficient of Utilization



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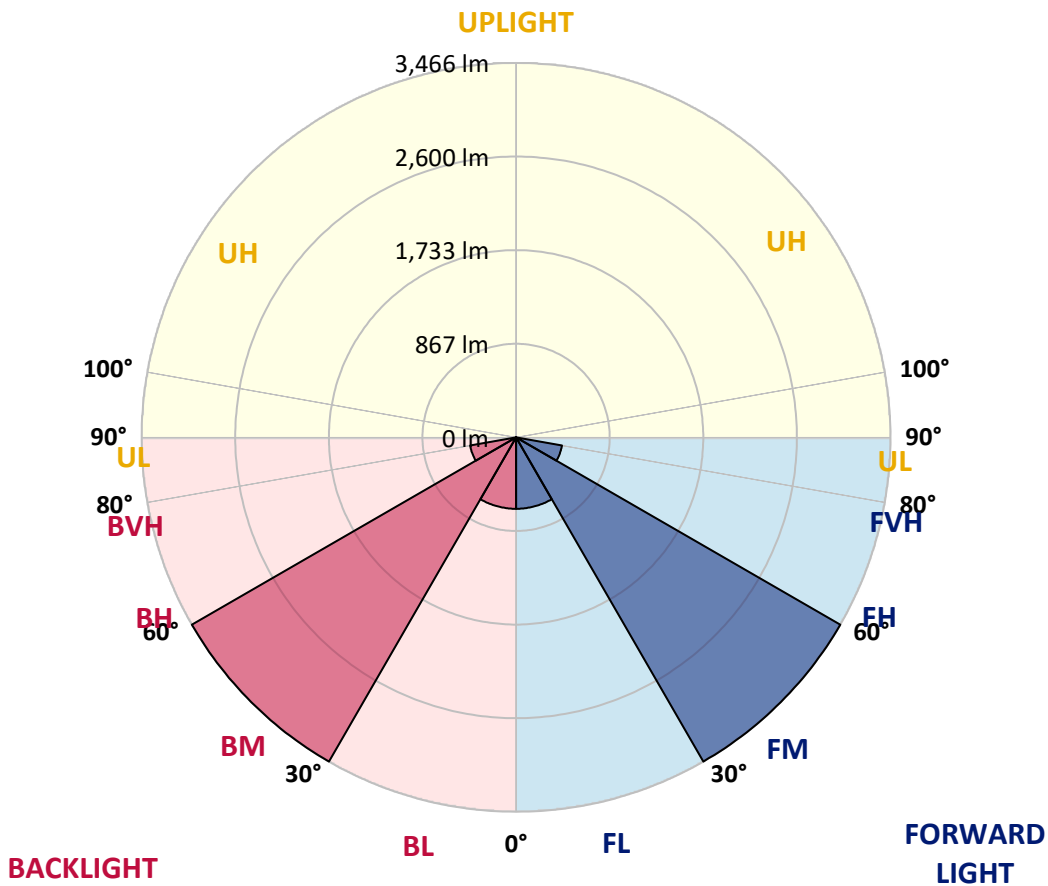
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.3	7.3			
FM (30°-60°)	3466.5	38.0			
FH (60°-80°)	431.6	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	661.3	7.3	B2/1000		
BM (30°-60°)	3466.5	38.0	B3/5000		
BH (60°-80°)	431.6	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1505.5	1504.4	1508.7	1511.9	1511.9	1519.4	1517.2	1515.1	1513.0	1509.7	1517.2
5°	1503.3	1502.3	1505.5	1507.6	1505.5	1511.9	1507.6	1503.3	1501.2	1496.9	1505.5
7.5°	1493.7	1494.8	1496.9	1499.0	1495.8	1501.2	1495.8	1489.4	1484.1	1479.8	1487.3
10°	1478.7	1479.8	1481.9	1486.2	1487.3	1494.8	1487.3	1475.5	1468.0	1461.6	1469.1
12.5°	1471.2	1472.3	1475.5	1480.9	1481.9	1491.6	1481.9	1464.8	1454.1	1446.6	1454.1
15°	1473.4	1475.5	1479.8	1486.2	1488.3	1498.0	1485.1	1462.7	1447.7	1438.1	1444.5
17.5°	1480.9	1483.0	1489.4	1500.1	1507.6	1517.2	1501.2	1472.3	1452.0	1438.1	1444.5
20°	1490.5	1493.7	1504.4	1521.5	1537.6	1554.7	1534.4	1494.8	1468.0	1450.9	1456.2
22.5°	1517.2	1520.4	1535.4	1557.9	1584.6	1606.0	1581.4	1531.1	1494.8	1472.3	1477.6
25°	1571.8	1575.0	1594.3	1623.2	1657.4	1685.2	1654.2	1591.1	1544.0	1518.3	1520.4
27.5°	1657.4	1660.6	1683.1	1723.7	1769.8	1809.3	1764.4	1690.6	1637.1	1607.1	1607.1
30°	1765.5	1769.8	1799.7	1854.3	1926.0	1978.4	1917.4	1827.5	1759.1	1718.4	1719.5
32.5°	1904.6	1900.3	1943.1	2018.0	2119.6	2189.2	2099.3	1990.2	1905.6	1848.9	1854.3
35°	2083.3	2082.2	2130.3	2232.0	2364.7	2448.1	2341.1	2199.9	2098.2	2040.5	2041.5
37.5°	2313.3	2312.2	2367.9	2478.1	2637.5	2707.1	2587.2	2443.8	2334.7	2279.1	2285.5
40°	2582.9	2576.5	2625.7	2731.7	2891.1	2936.0	2805.5	2689.9	2585.1	2549.8	2566.9
42.5°	2839.7	2825.8	2854.7	2951.0	3074.1	3080.5	2982.0	2902.9	2831.2	2803.4	2814.1
45°	3046.2	3035.5	3062.3	3117.9	3188.5	3156.4	3109.4	3084.8	3027.0	2997.0	3006.7
47.5°	3200.3	3200.3	3232.4	3266.7	3277.4	3218.5	3226.0	3226.0	3168.2	3121.1	3109.4
50°	3333.0	3342.6	3390.8	3426.1	3390.8	3315.9	3358.7	3350.1	3232.4	3138.3	3113.7
52.5°	3544.9	3554.5	3628.3	3676.5	3636.9	3563.0	3568.4	3461.4	3288.1	3176.8	3138.3
55°	3769.5	3793.1	3900.1	4028.5	4029.6	3953.6	3812.3	3623.0	3412.2	3291.3	3251.7
57.5°	3475.3	3507.4	3666.8	3976.1	4199.7	4147.3	3810.2	3477.4	3192.8	3028.1	3005.6
60°	2391.4	2447.1	2606.5	3029.1	3460.3	3480.7	3082.6	2709.2	2382.9	2179.6	2183.8
62.5°	1010.1	1066.8	1156.7	1504.4	1900.3	1924.9	1732.3	1464.8	1198.4	1051.8	1074.3
65°	237.5	253.6	280.3	416.2	603.5	631.3	582.1	453.7	334.9	283.5	288.9
67.5°	103.8	105.9	100.6	107.0	132.7	135.9	131.6	115.6	109.1	111.3	111.3
70°	72.8	73.8	69.5	66.3	63.1	58.8	61.0	67.4	72.8	77.0	76.0
72.5°	44.9	46.0	47.1	47.1	43.9	39.6	41.7	46.0	47.1	48.1	47.1
75°	22.5	23.5	25.7	26.7	25.7	24.6	24.6	25.7	25.7	24.6	24.6
77.5°	4.3	5.3	7.5	8.6	8.6	8.6	8.6	8.6	9.6	8.6	8.6
80°	1.1	1.1	2.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
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)