

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: P636693

Luminaire Tested: GWS-SA4B-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636693
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-SA4B-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8722.4 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 94.4
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

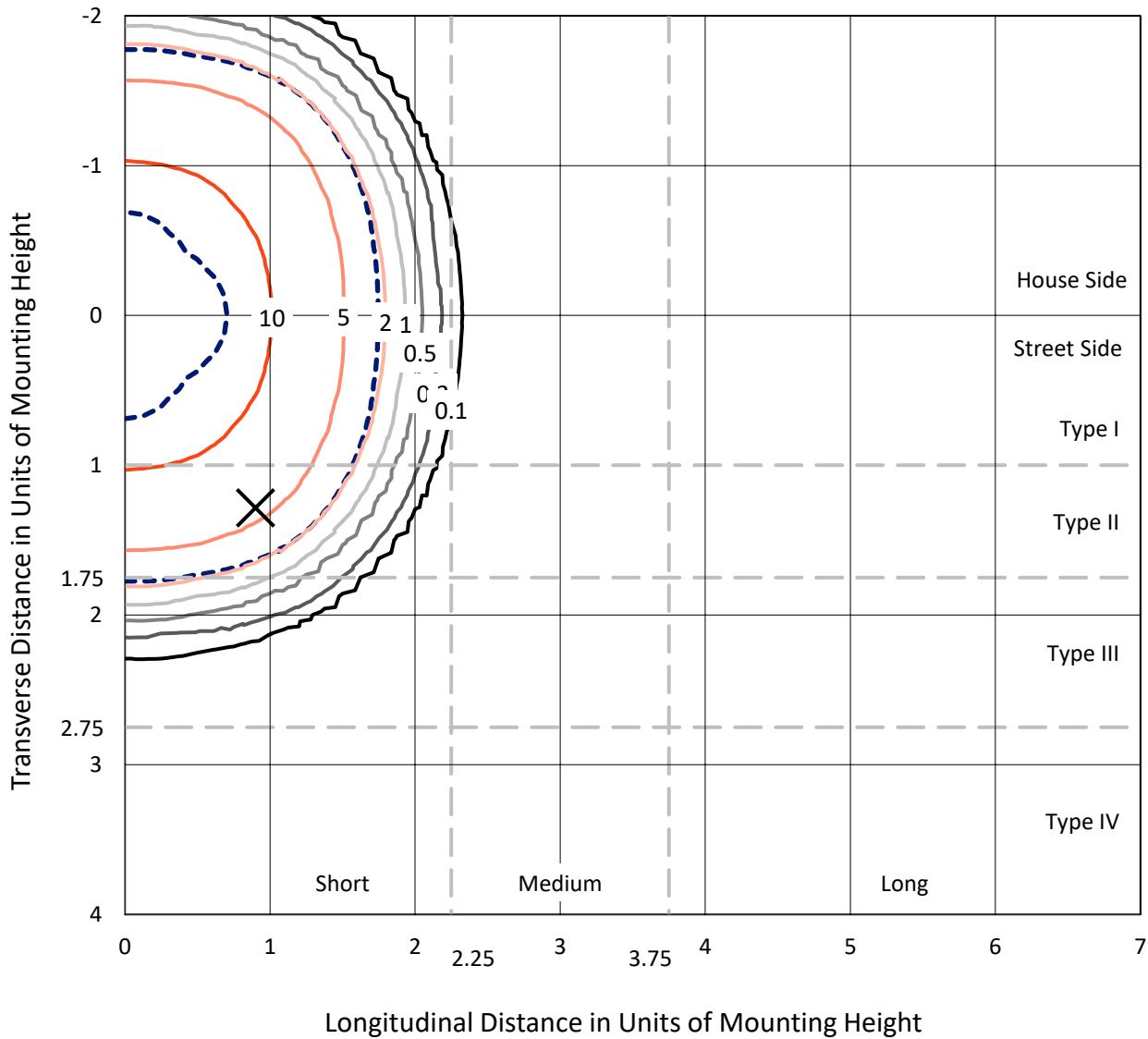


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Iso-Footcandle Lines of Horizontal Illumination

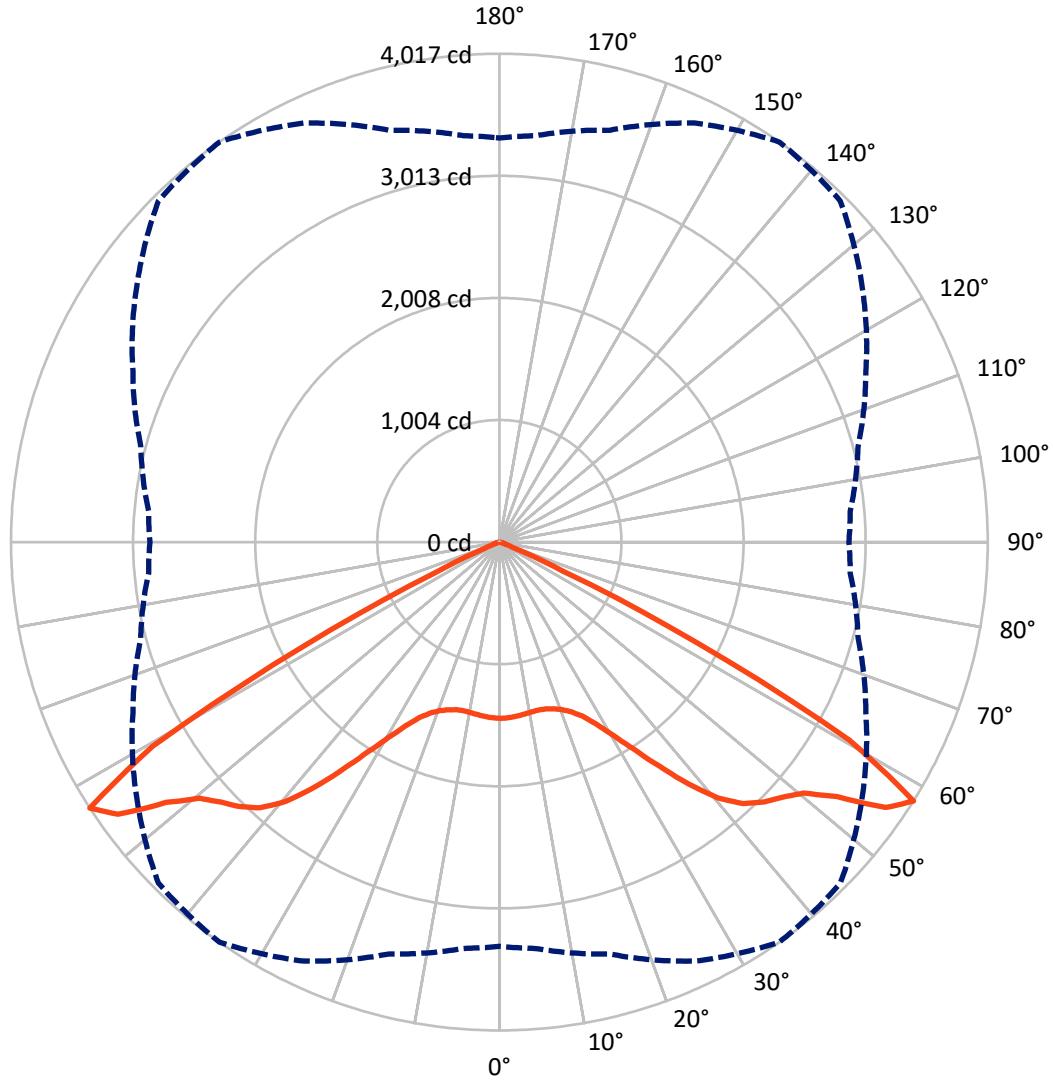
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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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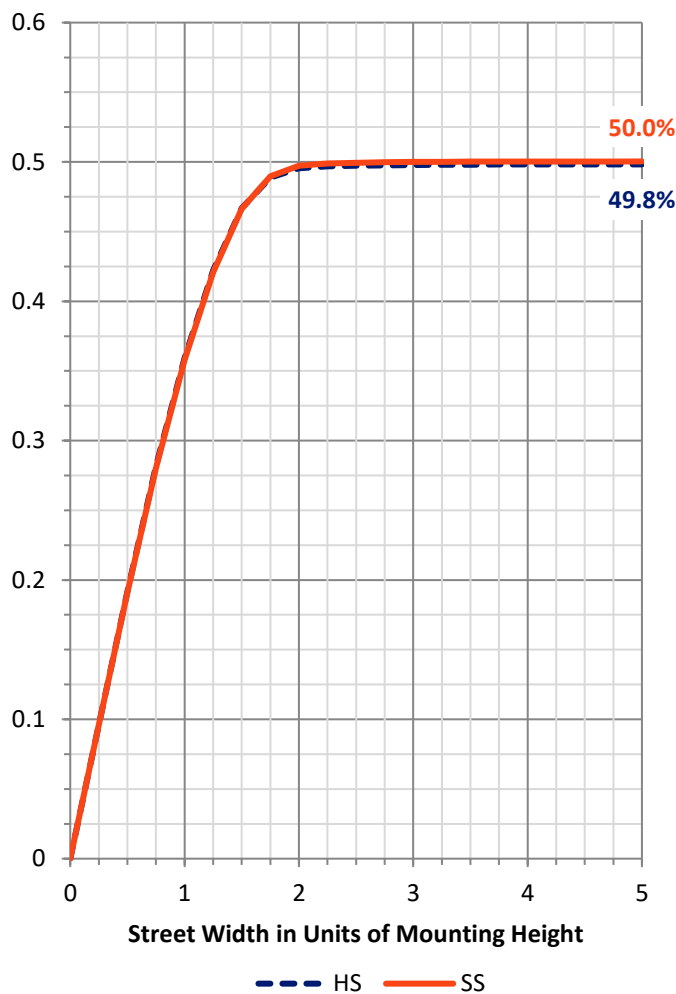
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4361.2	0.0	4361.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4361.2	0.0	4361.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8722.4	0.0	8722.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	1.6
10°-20°	401.9	4.6
20°-30°	726.5	8.3
30°-40°	1355.3	15.5
40°-50°	2273.5	26.1
50°-60°	3002.4	34.4
60°-70°	797.4	9.1
70°-80°	28.3	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°	8722.4	100.0
0°-180°	8722.4	100.0

Coefficient of Utilization



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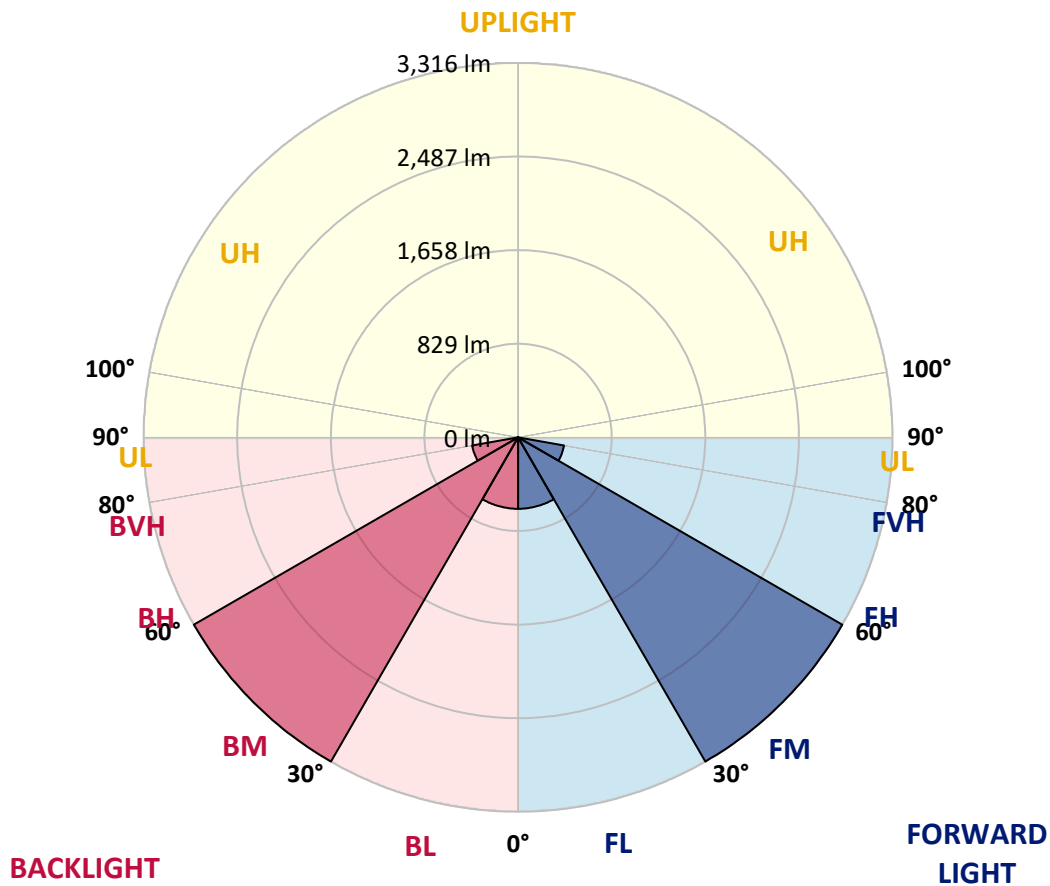
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.5	7.3			
FM (30°-60°)	3315.6	38.0			
FH (60°-80°)	412.8	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	632.5	7.3	B2/1000		
BM (30°-60°)	3315.6	38.0	B3/5000		
BH (60°-80°)	412.8	4.7	B1/500		G0/660
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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2
2.5°	1439.9	1438.9	1443.0	1446.1	1446.1	1453.2	1451.2	1449.2	1447.1	1444.0	1451.2
5°	1437.9	1436.9	1439.9	1442.0	1439.9	1446.1	1442.0	1437.9	1435.8	1431.8	1439.9
7.5°	1428.7	1429.7	1431.8	1433.8	1430.7	1435.8	1430.7	1424.6	1419.5	1415.4	1422.5
10°	1414.4	1415.4	1417.4	1421.5	1422.5	1429.7	1422.5	1411.3	1404.1	1398.0	1405.1
12.5°	1407.2	1408.2	1411.3	1416.4	1417.4	1426.6	1417.4	1401.1	1390.8	1383.7	1390.8
15°	1409.2	1411.3	1415.4	1421.5	1423.6	1432.8	1420.5	1399.0	1384.7	1375.5	1381.6
17.5°	1416.4	1418.5	1424.6	1434.8	1442.0	1451.2	1435.8	1408.2	1388.8	1375.5	1381.6
20°	1425.6	1428.7	1438.9	1455.3	1470.6	1487.0	1467.6	1429.7	1404.1	1387.7	1392.9
22.5°	1451.2	1454.3	1468.6	1490.1	1515.7	1536.1	1512.6	1464.5	1429.7	1408.2	1413.3
25°	1503.4	1506.5	1524.9	1552.5	1585.3	1611.9	1582.2	1521.8	1476.8	1452.2	1454.3
27.5°	1585.3	1588.3	1609.8	1648.7	1692.7	1730.6	1687.6	1617.0	1565.8	1537.2	1537.2
30°	1688.6	1692.7	1721.4	1773.6	1842.1	1892.3	1834.0	1748.0	1682.5	1643.6	1644.6
32.5°	1821.7	1817.6	1858.5	1930.2	2027.4	2093.9	2007.9	1903.5	1822.7	1768.5	1773.6
35°	1992.6	1991.6	2037.6	2134.8	2261.7	2341.6	2239.2	2104.1	2006.9	1951.7	1952.7
37.5°	2212.6	2211.6	2264.8	2370.2	2522.7	2589.2	2474.6	2337.5	2233.1	2179.9	2186.0
40°	2470.5	2464.4	2511.5	2612.8	2765.3	2808.2	2683.4	2572.9	2472.6	2438.8	2455.2
42.5°	2716.1	2702.8	2730.5	2822.6	2940.3	2946.4	2852.3	2776.5	2708.0	2681.3	2691.6
45°	2913.7	2903.4	2929.0	2982.2	3049.8	3019.1	2974.0	2950.5	2895.2	2866.6	2875.8
47.5°	3061.0	3061.0	3091.7	3124.5	3134.7	3078.4	3085.6	3085.6	3030.3	2985.3	2974.0
50°	3187.9	3197.1	3243.2	3277.0	3243.2	3171.6	3212.5	3204.3	3091.7	3001.7	2978.1
52.5°	3390.6	3399.8	3470.4	3516.5	3478.6	3408.0	3413.1	3310.7	3145.0	3038.5	3001.7
55°	3605.5	3628.0	3730.3	3853.2	3854.2	3781.5	3646.4	3465.3	3263.7	3148.0	3110.2
57.5°	3324.0	3354.8	3507.2	3803.0	4016.9	3966.8	3644.4	3326.1	3053.9	2896.3	2874.8
60°	2287.3	2340.5	2493.0	2897.3	3309.7	3329.2	2948.5	2591.3	2279.1	2084.7	2088.8
62.5°	966.1	1020.3	1106.3	1438.9	1817.6	1841.1	1656.9	1401.1	1146.2	1006.0	1027.5
65°	227.2	242.5	268.1	398.1	577.2	603.8	556.7	433.9	320.3	271.2	276.3
67.5°	99.3	101.3	96.2	102.3	126.9	130.0	125.9	110.5	104.4	106.4	106.4
70°	69.6	70.6	66.5	63.5	60.4	56.3	58.3	64.5	69.6	73.7	72.7
72.5°	43.0	44.0	45.0	45.0	42.0	37.9	39.9	44.0	45.0	46.1	45.0
75°	21.5	22.5	24.6	25.6	24.6	23.5	23.5	24.6	24.6	23.5	23.5
77.5°	4.1	5.1	7.2	8.2	8.2	8.2	8.2	8.2	9.2	8.2	8.2
80°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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)