

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: P633228

Luminaire Tested: GWS-SA2E-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633228
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8792.8 lumens
Efficiency: N/A
Efficacy: 81.3 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

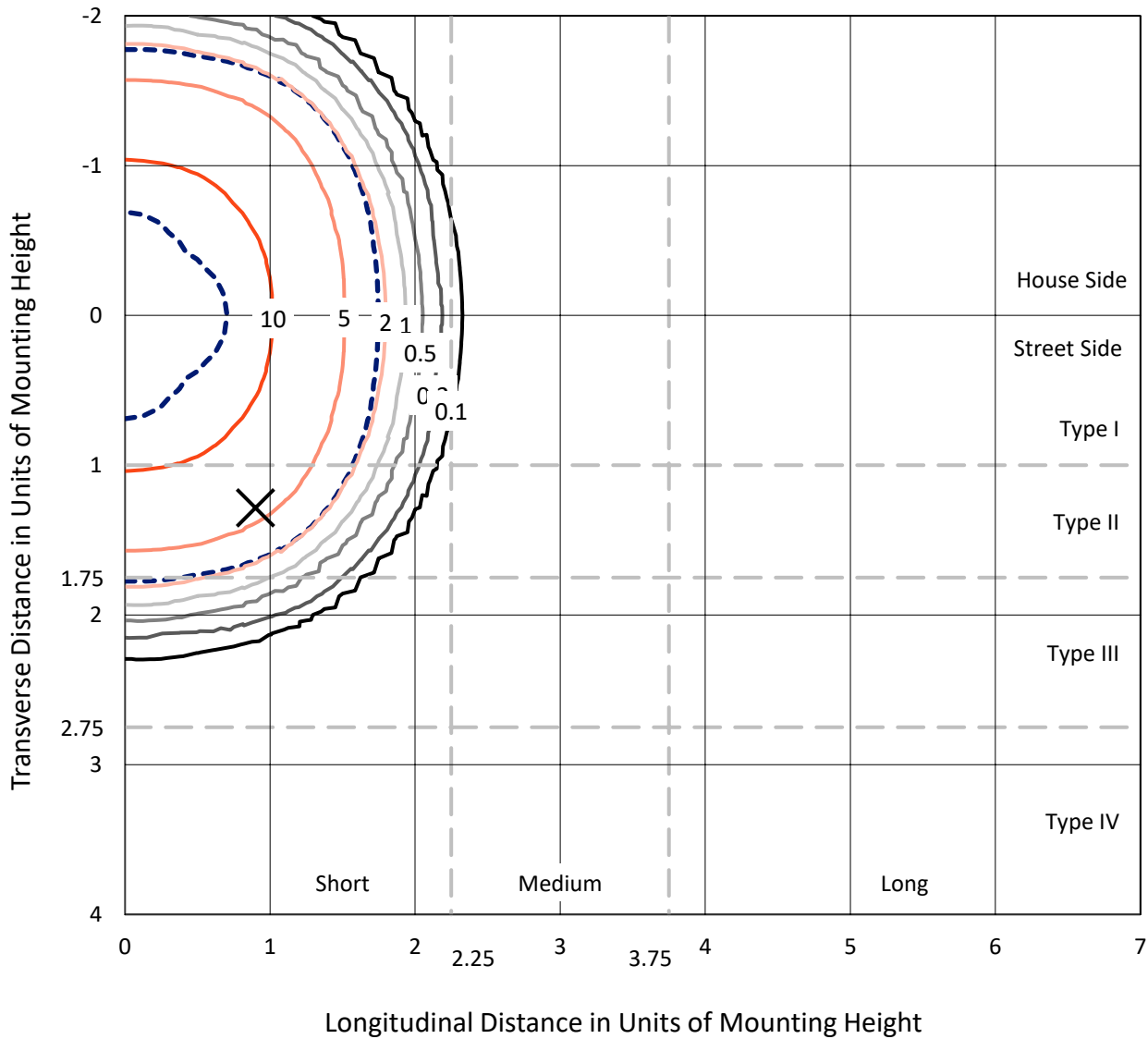


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Iso-Footcandle Lines of Horizontal Illumination

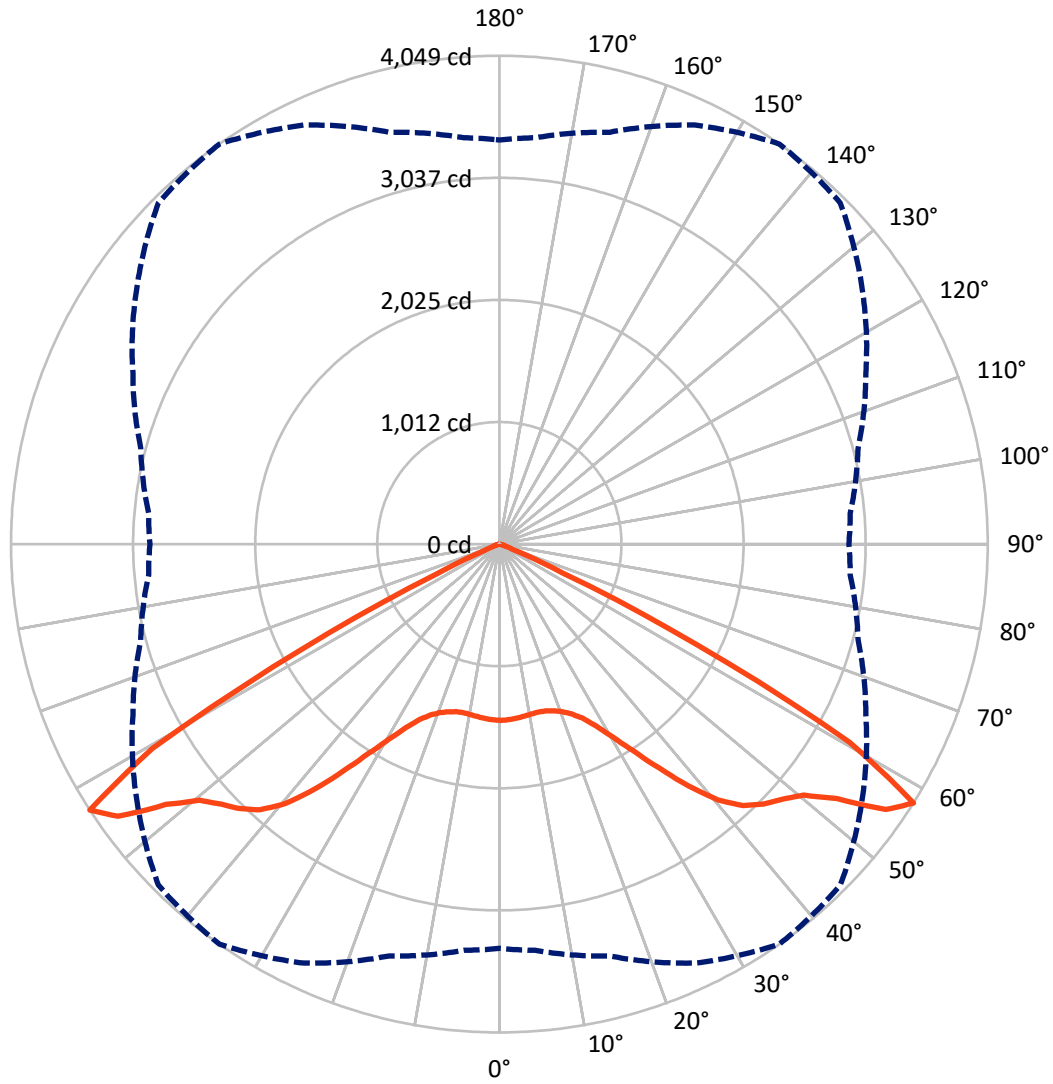
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 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	4396.4	0.0	4396.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4396.4	0.0	4396.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8792.8	0.0	8792.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	1.6
10°-20°	405.2	4.6
20°-30°	732.3	8.3
30°-40°	1366.2	15.5
40°-50°	2291.9	26.1
50°-60°	3026.6	34.4
60°-70°	803.8	9.1
70°-80°	28.6	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°	8792.8	100.0
0°-180°	8792.8	100.0

Coefficient of Utilization



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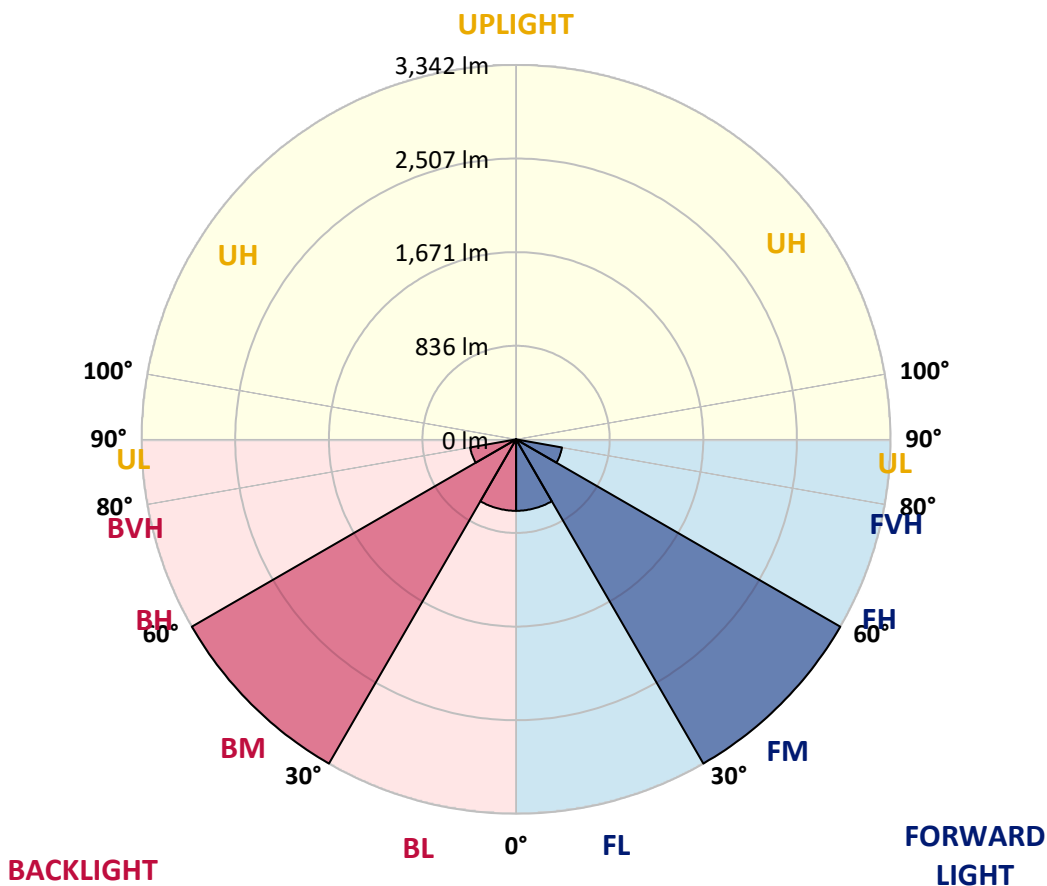
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.6	7.3			
FM (30°-60°)	3342.4	38.0			
FH (60°-80°)	416.2	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	637.6	7.3	B2/1000		
BM (30°-60°)	3342.4	38.0	B3/5000		
BH (60°-80°)	416.2	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°	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9	1461.9
2.5°	1451.6	1450.5	1454.7	1457.8	1457.8	1465.0	1462.9	1460.9	1458.8	1455.7	1462.9
5°	1449.5	1448.5	1451.6	1453.6	1451.6	1457.8	1453.6	1449.5	1447.4	1443.3	1451.6
7.5°	1440.2	1441.2	1443.3	1445.4	1442.3	1447.4	1442.3	1436.1	1430.9	1426.8	1434.0
10°	1425.8	1426.8	1428.9	1433.0	1434.0	1441.2	1434.0	1422.7	1415.5	1409.3	1416.5
12.5°	1418.6	1419.6	1422.7	1427.8	1428.9	1438.2	1428.9	1412.4	1402.0	1394.8	1402.0
15°	1420.6	1422.7	1426.8	1433.0	1435.1	1444.3	1432.0	1410.3	1395.9	1386.6	1392.8
17.5°	1427.8	1429.9	1436.1	1446.4	1453.6	1462.9	1447.4	1419.6	1400.0	1386.6	1392.8
20°	1437.1	1440.2	1450.5	1467.0	1482.5	1499.0	1479.4	1441.2	1415.5	1399.0	1404.1
22.5°	1462.9	1466.0	1480.5	1502.1	1527.9	1548.5	1524.8	1476.3	1441.2	1419.6	1424.7
25°	1515.5	1518.6	1537.2	1565.0	1598.1	1624.9	1595.0	1534.1	1488.7	1463.9	1466.0
27.5°	1598.1	1601.2	1622.8	1662.0	1706.4	1744.6	1701.2	1630.0	1578.5	1549.6	1549.6
30°	1702.3	1706.4	1735.3	1787.9	1857.0	1907.6	1848.8	1762.1	1696.1	1656.9	1657.9
32.5°	1836.4	1832.3	1873.5	1945.7	2043.7	2110.8	2024.1	1918.9	1837.4	1782.7	1787.9
35°	2008.7	2007.6	2054.1	2152.1	2280.0	2360.5	2257.3	2121.1	2023.1	1967.4	1968.4
37.5°	2230.5	2229.4	2283.1	2389.4	2543.1	2610.1	2494.6	2356.3	2251.1	2197.5	2203.7
40°	2490.5	2484.3	2531.7	2633.9	2787.6	2830.9	2705.0	2593.6	2492.5	2458.5	2475.0
42.5°	2738.1	2724.7	2752.5	2845.4	2964.0	2970.2	2875.3	2798.9	2729.8	2703.0	2713.3
45°	2937.2	2926.9	2952.7	3006.3	3074.4	3043.4	2998.0	2974.3	2918.6	2889.7	2899.0
47.5°	3085.7	3085.7	3116.7	3149.7	3160.0	3103.3	3110.5	3110.5	3054.8	3009.4	2998.0
50°	3213.7	3222.9	3269.4	3303.4	3269.4	3197.2	3238.4	3230.2	3116.7	3025.9	3002.2
52.5°	3417.9	3427.2	3498.4	3544.8	3506.7	3435.5	3440.6	3337.5	3170.3	3063.0	3025.9
55°	3634.6	3657.3	3760.5	3884.3	3885.3	3812.0	3675.9	3493.2	3290.0	3173.4	3135.3
57.5°	3350.9	3381.8	3535.5	3833.7	4049.3	3998.8	3673.8	3352.9	3078.5	2919.6	2898.0
60°	2305.8	2359.4	2513.2	2920.7	3336.4	3356.0	2972.3	2612.2	2297.5	2101.5	2105.6
62.5°	973.9	1028.6	1115.2	1450.5	1832.3	1856.0	1670.3	1412.4	1155.5	1014.1	1035.8
65°	229.0	244.5	270.3	401.3	581.9	608.7	561.2	437.4	322.9	273.4	278.6
67.5°	100.1	102.1	97.0	103.2	127.9	131.0	126.9	111.4	105.2	107.3	107.3
70°	70.2	71.2	67.1	64.0	60.9	56.7	58.8	65.0	70.2	74.3	73.2
72.5°	43.3	44.4	45.4	45.4	42.3	38.2	40.2	44.4	45.4	46.4	45.4
75°	21.7	22.7	24.8	25.8	24.8	23.7	23.7	24.8	24.8	23.7	23.7
77.5°	4.1	5.2	7.2	8.3	8.3	8.3	8.3	8.3	9.3	8.3	8.3
80°	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
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)