

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: P637196

Luminaire Tested: GWS-SA4C-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19409.8 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

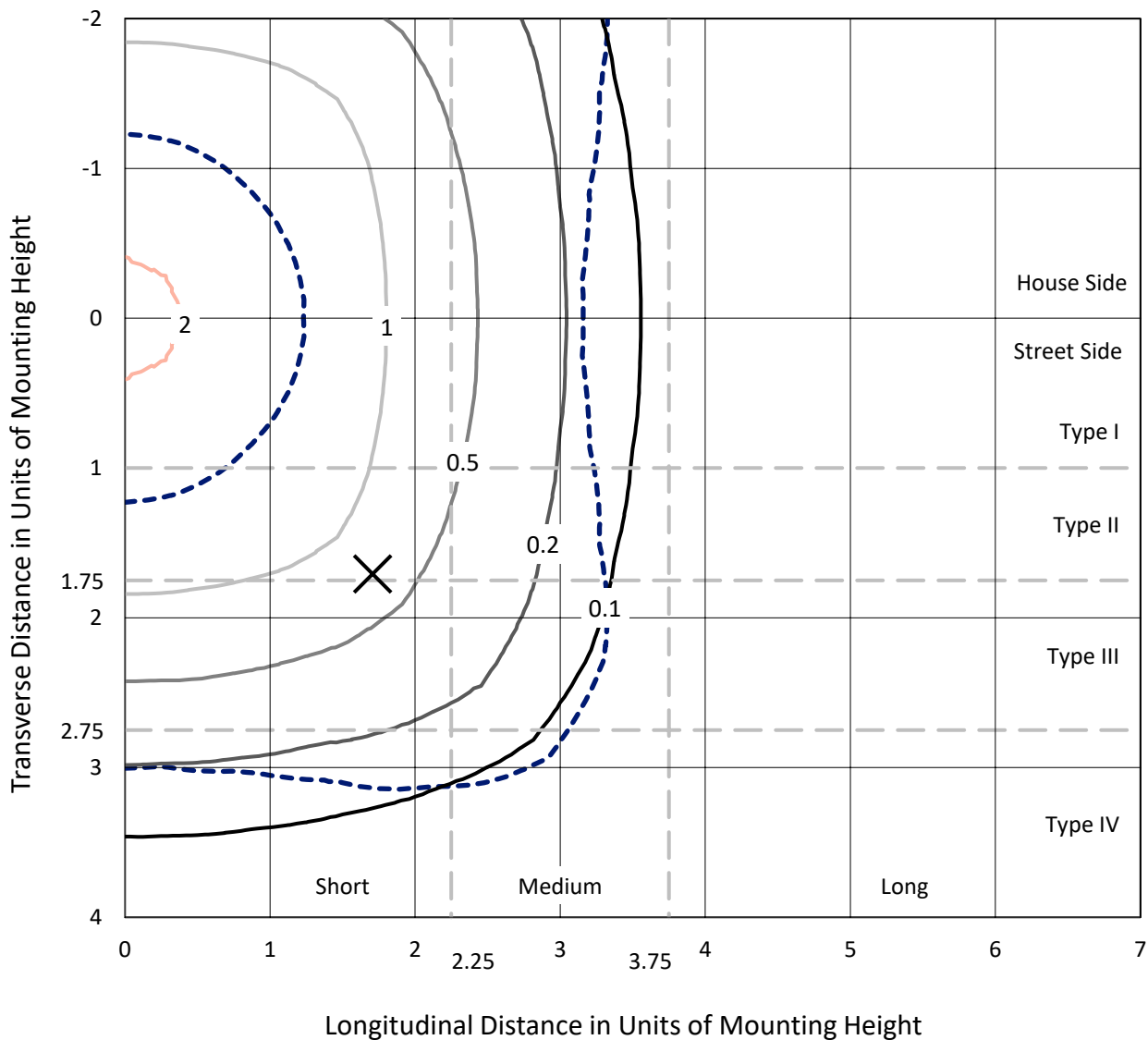
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

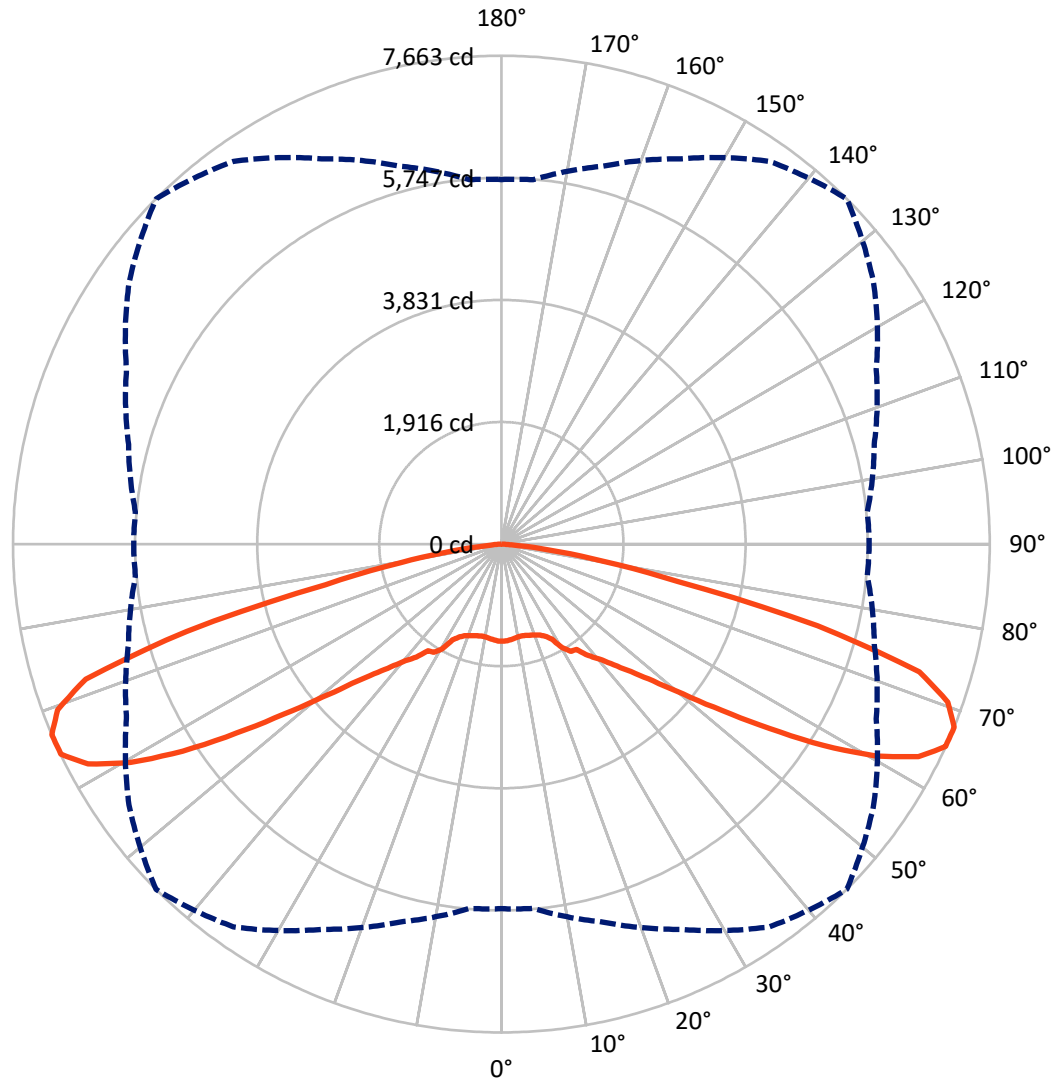
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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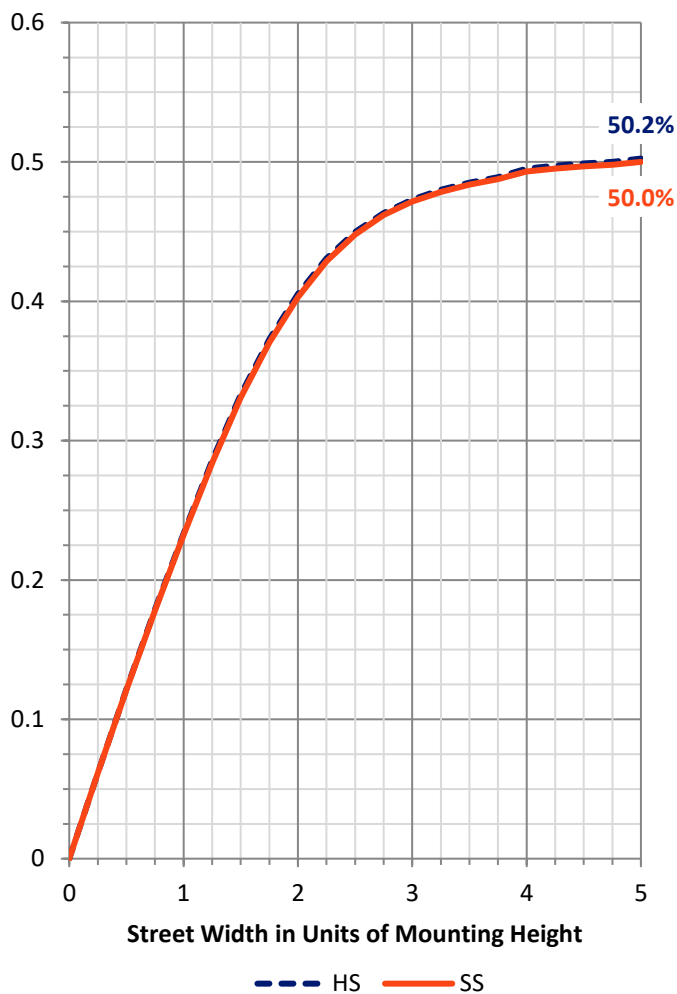
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9704.9	0.0	9704.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9704.9	0.0	9704.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19409.8	0.0	19409.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	0.7
10°-20°	424.1	2.2
20°-30°	760.8	3.9
30°-40°	1285.2	6.6
40°-50°	2258.1	11.6
50°-60°	4356.0	22.4
60°-70°	6319.9	32.6
70°-80°	3616.0	18.6
80°-90°	246.8	1.3
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°	19409.8	100.0
0°-180°	19409.8	100.0

Coefficient of Utilization



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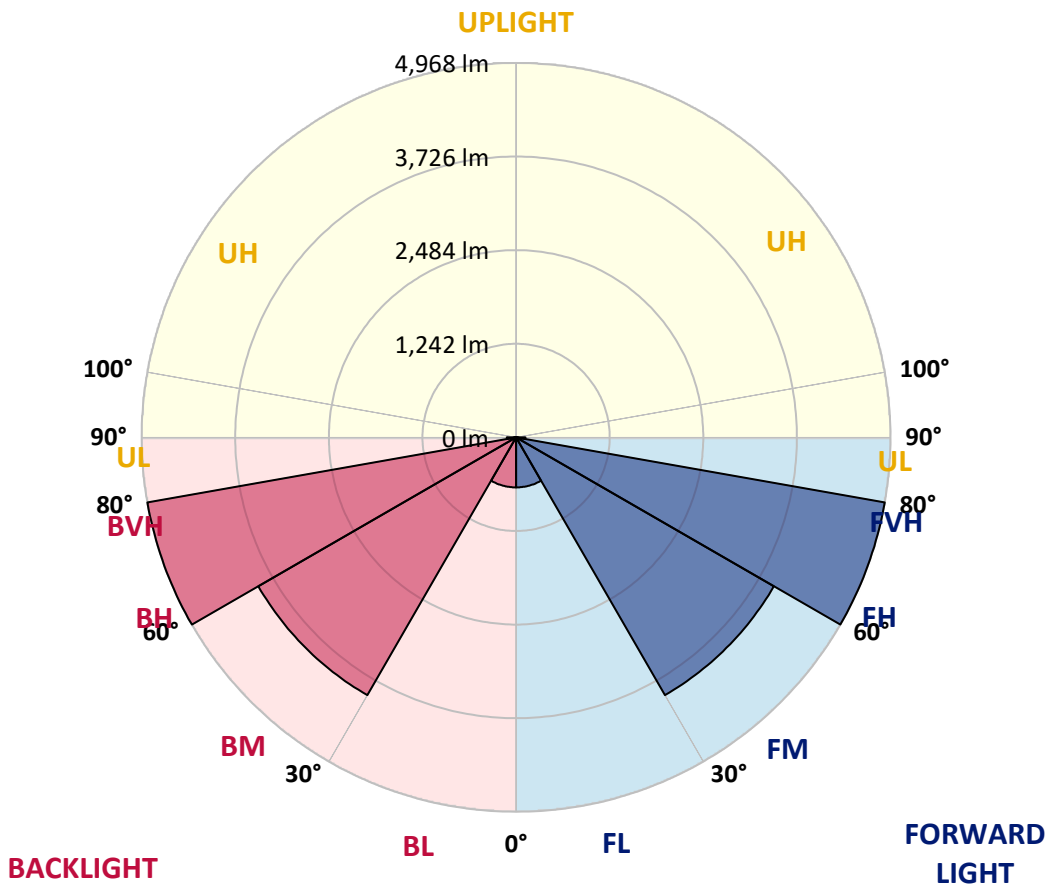
CATALOG NUMBER: GWS-SA4C-735-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	663.9	3.4			
FM (30°-60°)	3949.6	20.3			
FH (60°-80°)	4967.9	25.6			G2/5000
FVH (80°-90°)	123.4	0.6			G2/225
BL (0°-30°)	663.9	3.4	B2/1000		
BM (30°-60°)	3949.6	20.3	B3/5000		
BH (60°-80°)	4967.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	123.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1
2.5°	1509.8	1511.1	1513.9	1513.9	1516.6	1520.8	1522.1	1519.4	1520.8	1513.9	1520.8
5°	1505.7	1507.0	1508.4	1505.7	1505.7	1507.0	1507.0	1504.3	1505.7	1498.8	1505.7
7.5°	1496.0	1497.4	1497.4	1493.3	1489.2	1491.9	1491.9	1489.2	1490.6	1483.7	1491.9
10°	1487.8	1487.8	1486.4	1478.2	1474.1	1478.2	1479.6	1480.9	1486.4	1480.9	1490.6
12.5°	1493.3	1493.3	1489.2	1478.2	1471.3	1474.1	1476.8	1479.6	1489.2	1487.8	1498.8
15°	1508.4	1509.8	1498.8	1486.4	1482.3	1486.4	1483.7	1482.3	1494.7	1498.8	1511.1
17.5°	1520.8	1520.8	1507.0	1494.7	1496.0	1502.9	1497.4	1490.6	1502.9	1511.1	1524.9
20°	1531.7	1530.4	1515.3	1507.0	1512.5	1522.1	1518.0	1508.4	1516.6	1526.2	1538.6
22.5°	1559.2	1557.8	1541.3	1537.2	1542.7	1552.3	1548.2	1540.0	1549.6	1563.3	1578.4
25°	1637.4	1634.7	1610.0	1596.2	1593.5	1600.4	1599.0	1596.2	1611.3	1627.8	1645.7
27.5°	1741.7	1740.4	1722.5	1708.8	1690.9	1685.5	1689.6	1701.9	1723.9	1736.2	1751.3
30°	1793.9	1793.9	1791.1	1813.1	1851.5	1888.6	1859.8	1813.1	1793.9	1788.4	1803.5
32.5°	1862.5	1869.4	1859.8	1884.5	1949.0	2003.9	1949.0	1873.5	1859.8	1859.8	1876.2
35°	2020.3	2023.1	2008.0	2003.9	2024.5	2031.3	2005.3	1977.8	1992.9	1995.6	2016.2
37.5°	2146.6	2146.6	2139.8	2150.7	2193.3	2219.4	2176.8	2127.4	2131.5	2134.3	2160.3
40°	2341.5	2347.0	2330.5	2329.2	2345.6	2369.0	2323.7	2292.1	2314.1	2320.9	2360.7
42.5°	2584.5	2584.5	2559.7	2552.9	2563.9	2588.6	2546.0	2525.4	2554.3	2559.7	2583.1
45°	2874.1	2880.9	2848.0	2835.6	2841.1	2849.4	2819.2	2809.5	2837.0	2849.4	2890.5
47.5°	3226.8	3233.7	3204.8	3203.5	3198.0	3203.5	3174.6	3169.1	3191.1	3181.5	3225.4
50°	3661.9	3674.2	3649.5	3683.8	3679.7	3696.2	3656.4	3627.6	3627.6	3601.5	3626.2
52.5°	4149.1	4173.8	4186.2	4243.8	4287.8	4328.9	4263.0	4217.8	4151.9	4098.3	4165.6
55°	4680.3	4673.4	4751.7	4877.9	5007.0	5104.4	4975.4	4832.6	4725.6	4614.4	4640.5
57.5°	5145.6	5168.9	5271.8	5502.4	5757.7	5963.6	5731.6	5457.1	5214.2	5055.0	5077.0
60°	5532.6	5551.8	5689.1	6021.2	6467.3	6751.4	6383.6	5930.7	5577.9	5358.3	5381.7
62.5°	5889.5	5907.3	6045.9	6412.4	6975.1	7345.7	6870.8	6251.8	5859.3	5638.3	5652.0
65°	6095.4	6106.3	6295.7	6681.4	7274.4	7657.3	7122.0	6483.8	6098.1	5873.0	5881.2
67.5°	5720.7	5738.5	6137.9	6670.4	7332.0	7662.8	7133.0	6490.6	6056.9	5763.2	5770.1
70°	4512.8	4497.7	4974.0	5889.5	7001.2	7432.2	6815.9	6003.4	5333.6	4923.2	4916.4
72.5°	3440.9	3445.0	3709.9	4337.2	5708.3	6858.5	6014.4	4834.0	4112.1	3800.5	3788.2
75°	2495.2	2533.7	2749.2	3209.0	3992.7	5126.4	4527.9	3582.3	3099.1	2912.5	2885.0
77.5°	1124.1	1173.5	1474.1	2014.9	2669.6	2832.9	2843.9	2432.1	1835.1	1524.9	1476.8
80°	328.0	351.4	451.6	772.7	1243.5	1607.2	1276.4	1073.3	668.4	524.3	499.6
82.5°	138.6	157.8	193.5	214.1	361.0	745.3	463.9	295.1	274.5	222.3	203.1
85°	59.0	63.1	81.0	86.5	116.7	159.2	146.9	133.1	127.6	98.8	90.6
87.5°	24.7	24.7	24.7	22.0	20.6	22.0	30.2	38.4	50.8	39.8	37.1
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)