

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: P634222

Luminaire Tested: GWS-SA3B-735-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9300.3 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

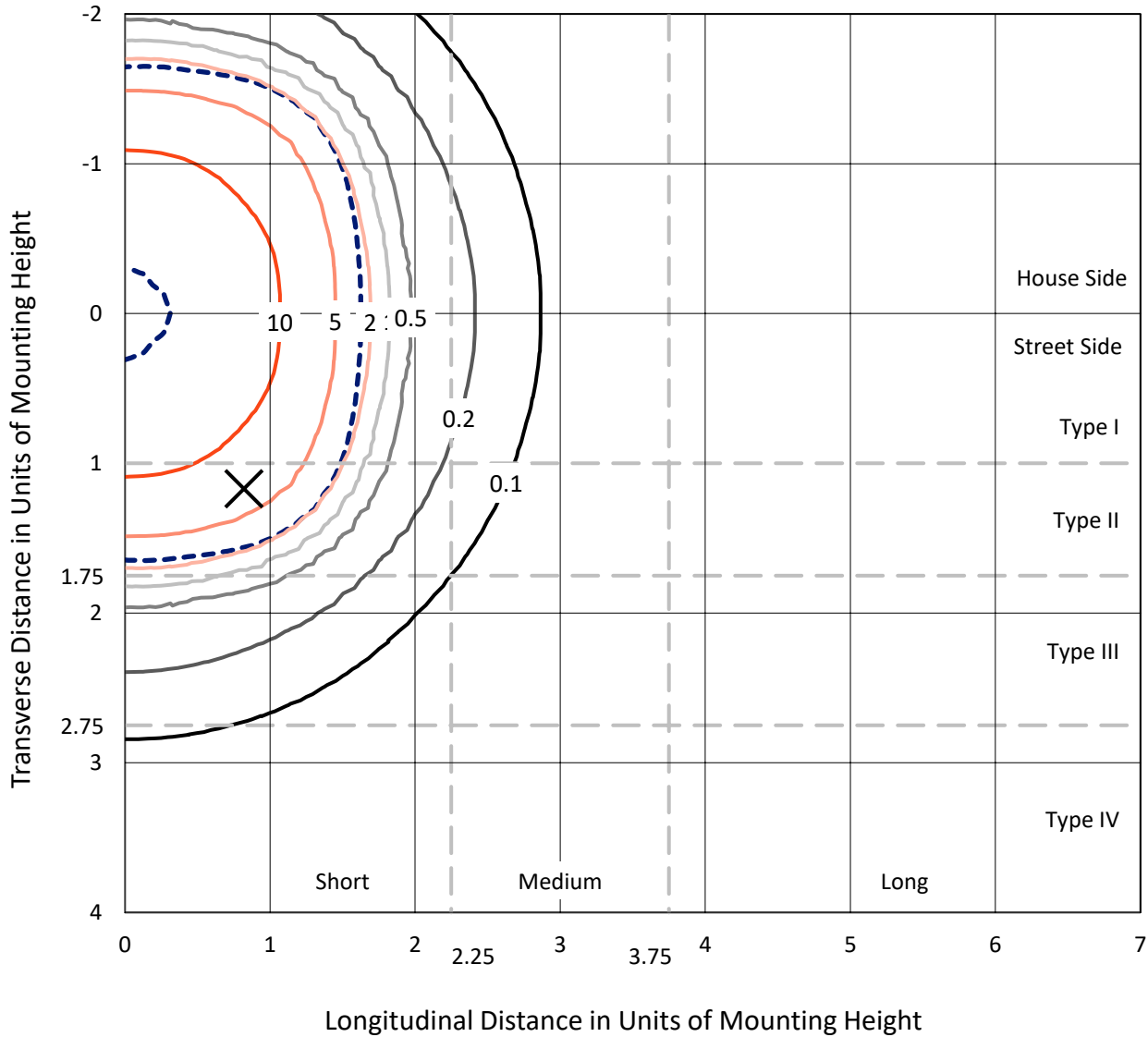
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634222
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Iso-Footcandle Lines of Horizontal Illumination

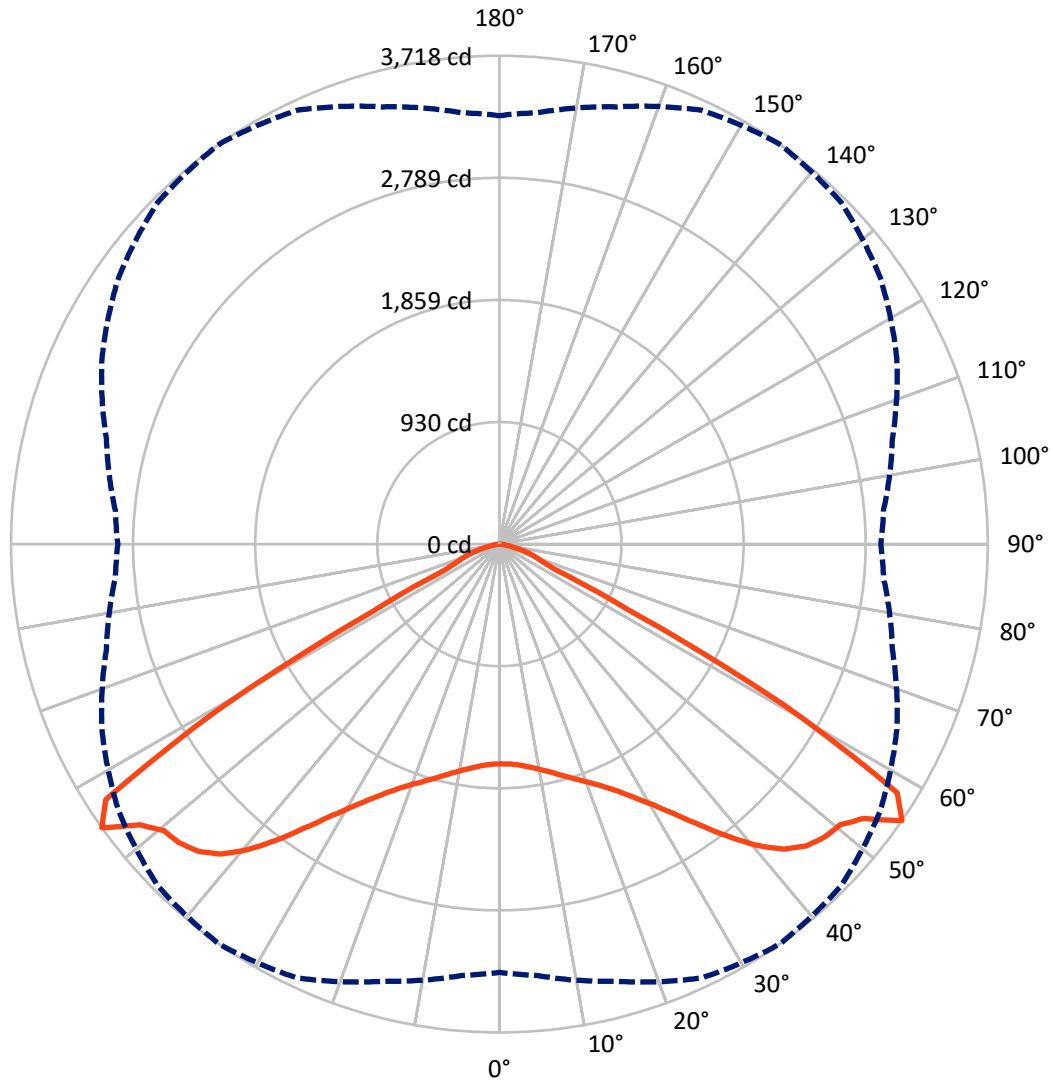
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc
 Type V - Short - N/A

REPORT NUMBER: P634222
CATALOG NUMBER: GWS-SA3B-735-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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CATALOG NUMBER: GWS-SA3B-735-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4650.1	0.0	4650.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4650.1	0.0	4650.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9300.3	0.0	9300.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	1.8
10°-20°	519.6	5.6
20°-30°	961.6	10.3
30°-40°	1608.6	17.3
40°-50°	2451.3	26.4
50°-60°	2745.9	29.5
60°-70°	649.7	7.0
70°-80°	175.2	1.9
80°-90°	25.2	0.3
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°	9300.3	100.0
0°-180°	9300.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634222

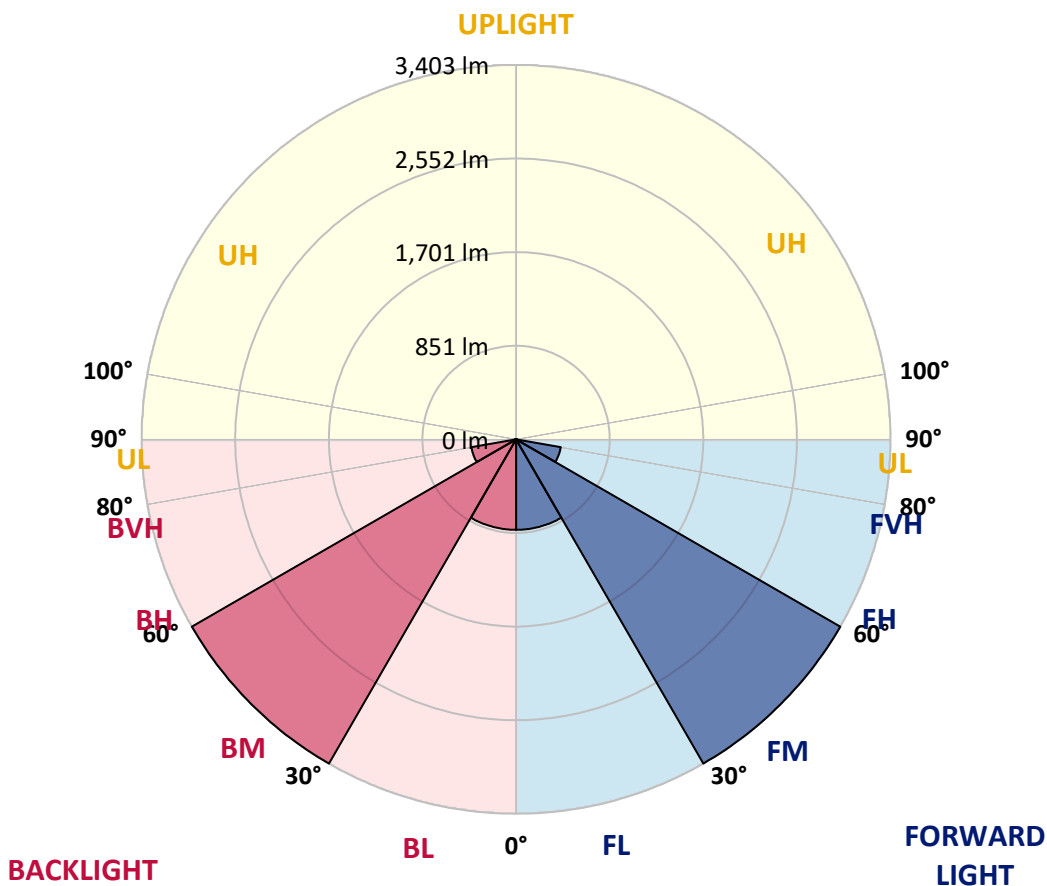
CATALOG NUMBER: GWS-SA3B-735-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	822.2	8.8			
FM (30°-60°)	3402.9	36.6			
FH (60°-80°)	412.4	4.4			G0/660
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	822.2	8.8	B2/1000		
BM (30°-60°)	3402.9	36.6	B3/5000		
BH (60°-80°)	412.4	4.4	B1/500		G0/660
BVH (80°-90°)	12.6	0.1			G1/100
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





REPORT NUMBER: P634222

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1	1673.1
2.5°	1669.5	1669.5	1672.4	1676.1	1676.8	1684.2	1682.7	1679.8	1678.3	1675.4	1682.0
5°	1687.9	1688.6	1690.8	1693.0	1691.5	1697.4	1695.2	1691.5	1689.3	1685.7	1692.3
7.5°	1712.1	1712.1	1714.3	1717.3	1715.8	1724.6	1720.2	1715.1	1711.4	1707.0	1712.9
10°	1734.2	1735.7	1737.9	1743.8	1746.7	1756.3	1753.3	1746.0	1740.1	1734.9	1741.5
12.5°	1767.3	1768.8	1771.0	1779.1	1784.2	1793.8	1789.4	1779.1	1770.2	1762.9	1770.2
15°	1809.9	1808.5	1814.4	1824.7	1831.3	1840.1	1834.9	1817.3	1805.5	1796.0	1803.3
17.5°	1853.3	1852.6	1858.5	1871.7	1881.3	1893.0	1884.2	1863.6	1851.1	1839.4	1846.7
20°	1900.4	1902.6	1908.5	1921.0	1935.0	1950.4	1943.1	1921.0	1907.0	1893.8	1899.7
22.5°	1958.5	1959.2	1965.9	1982.0	2000.4	2015.1	2010.7	1983.5	1965.9	1951.9	1959.2
25°	2028.4	2027.6	2036.5	2055.6	2081.3	2096.0	2086.5	2056.3	2037.2	2021.0	2026.9
27.5°	2108.5	2107.8	2121.0	2146.0	2182.8	2203.4	2183.6	2146.0	2119.6	2096.8	2101.9
30°	2209.3	2207.1	2221.8	2255.6	2303.4	2338.0	2308.6	2256.4	2221.8	2197.5	2202.7
32.5°	2321.1	2324.0	2342.4	2388.0	2448.3	2493.2	2449.0	2390.9	2344.6	2309.3	2315.2
35°	2443.9	2443.9	2481.4	2538.0	2624.1	2683.7	2615.3	2531.4	2469.6	2421.1	2422.6
37.5°	2580.7	2582.2	2631.4	2709.4	2821.9	2891.8	2799.1	2695.4	2620.4	2568.2	2565.2
40°	2747.6	2752.1	2802.8	2889.6	3016.1	3080.1	2980.8	2879.3	2802.8	2741.0	2735.1
42.5°	2935.9	2937.4	2991.1	3069.0	3175.7	3213.9	3136.0	3052.9	2990.3	2934.4	2928.6
45°	3115.4	3111.7	3158.0	3216.1	3277.9	3281.6	3238.2	3204.4	3149.9	3102.1	3093.3
47.5°	3255.1	3252.2	3294.1	3325.7	3333.1	3297.0	3311.0	3316.1	3252.9	3188.2	3171.3
50°	3340.4	3346.3	3386.0	3403.7	3360.3	3301.4	3354.4	3341.1	3250.7	3166.1	3138.9
52.5°	3391.9	3400.7	3469.9	3514.7	3469.9	3414.0	3421.3	3343.4	3213.2	3101.4	3066.1
55°	3261.7	3297.0	3446.3	3644.9	3718.4	3679.5	3539.7	3338.9	3097.7	2935.2	2905.0
57.5°	2417.4	2473.3	2694.7	3124.9	3572.1	3714.0	3305.8	2799.1	2433.6	2224.7	2207.1
60°	1234.1	1296.6	1473.8	1915.8	2491.0	2691.0	2302.7	1792.3	1424.6	1255.4	1236.3
62.5°	503.8	514.1	572.2	742.8	1101.0	1270.1	1115.7	783.3	588.4	542.0	542.8
65°	396.4	398.6	395.7	406.0	461.1	511.9	472.9	415.5	405.2	410.4	406.7
67.5°	345.7	346.4	344.2	344.2	346.4	344.2	348.6	350.8	352.3	358.2	354.5
70°	289.0	289.8	289.8	291.2	290.5	286.8	293.4	296.4	297.1	300.8	298.6
72.5°	223.6	225.8	227.3	228.0	227.3	225.0	228.7	233.9	233.1	236.8	233.1
75°	151.5	154.4	155.9	158.9	158.1	158.1	162.5	164.7	162.5	165.5	162.5
77.5°	86.0	88.3	92.7	95.6	98.6	100.8	103.7	105.2	104.4	105.9	104.4
80°	50.0	50.7	54.4	55.9	59.6	63.2	66.2	67.7	68.4	69.1	68.4
82.5°	28.7	29.4	30.9	32.4	35.3	38.2	41.2	43.4	43.4	44.1	43.4
85°	14.0	14.0	14.7	15.4	16.9	19.1	21.3	23.5	24.3	24.3	24.3
87.5°	2.2	2.2	2.9	2.9	3.7	4.4	5.9	7.4	8.1	8.1	8.1
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)