

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: P633725

Luminaire Tested: GWS-SA2F-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16569.7 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

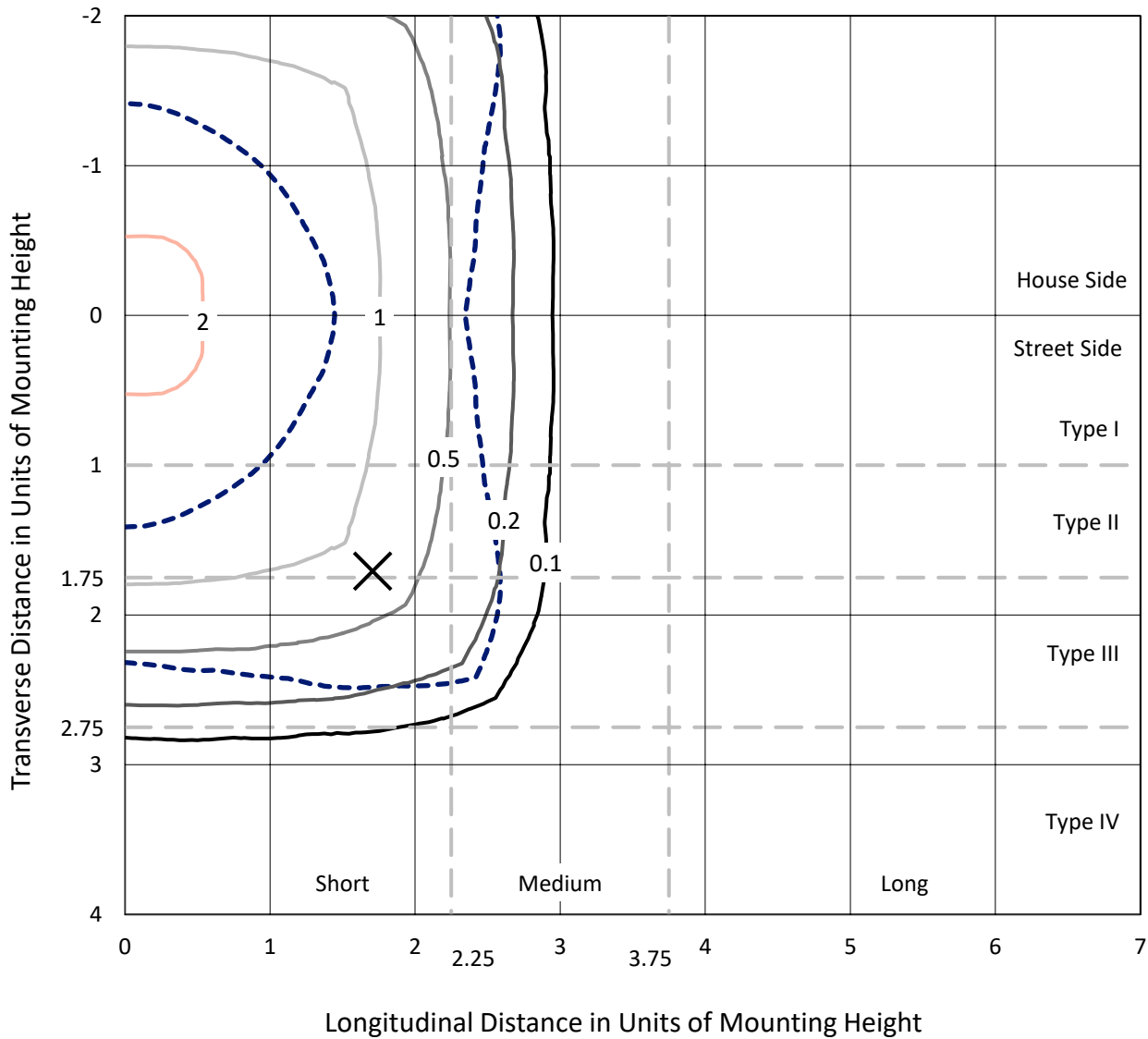
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633725
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Iso-Footcandle Lines of Horizontal Illumination

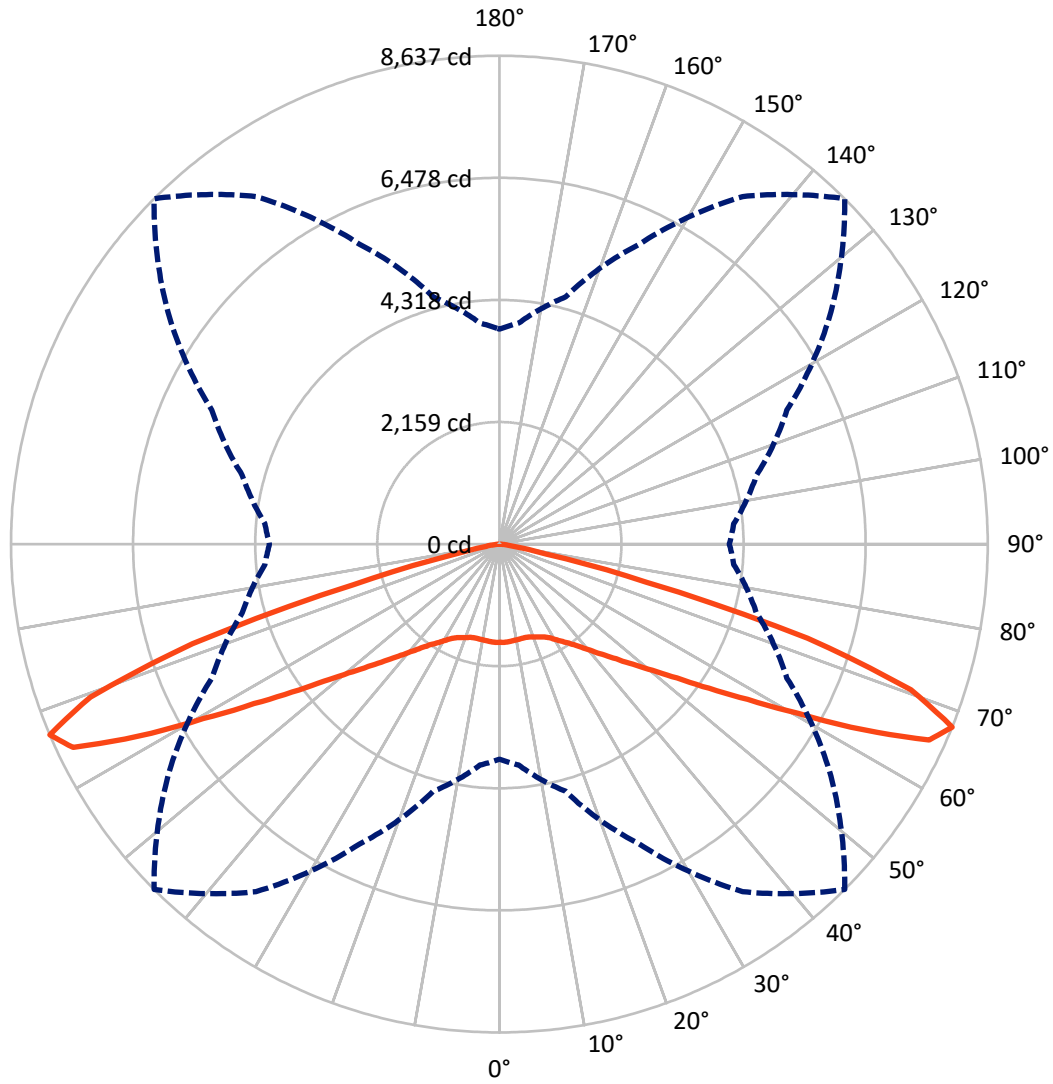
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P633725
CATALOG NUMBER: GWS-SA2F-735-U-5MQ-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA2F-735-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8284.8	0.0	8284.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8284.8	0.0	8284.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16569.7	0.0	16569.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	1.0
10°-20°	482.4	2.9
20°-30°	832.0	5.0
30°-40°	1352.9	8.2
40°-50°	2278.0	13.7
50°-60°	4036.2	24.4
60°-70°	5769.5	34.8
70°-80°	1583.5	9.6
80°-90°	70.9	0.4
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°	16569.7	100.0
0°-180°	16569.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633725

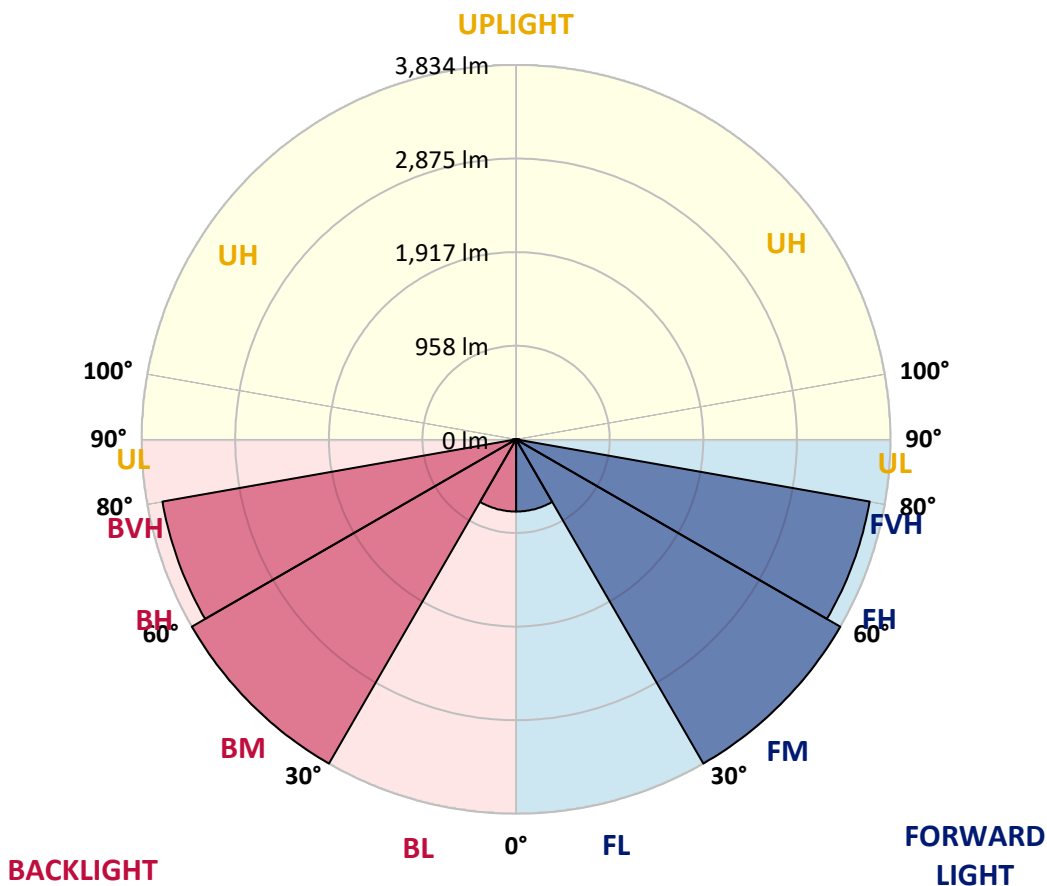
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.3	4.5			
FM (30°-60°)	3833.6	23.1			
FH (60°-80°)	3676.5	22.2			G2/5000
FVH (80°-90°)	35.5	0.2			G1/100
BL (0°-30°)	739.3	4.5	B2/1000		
BM (30°-60°)	3833.6	23.1	B3/5000		
BH (60°-80°)	3676.5	22.2	B4/5000		G2/5000
BVH (80°-90°)	35.5	0.2			G1/100
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°	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4	1735.4
2.5°	1723.9	1722.8	1728.5	1731.9	1730.8	1738.8	1737.7	1735.4	1735.4	1731.9	1741.1
5°	1723.9	1722.8	1727.4	1728.5	1726.2	1733.1	1730.8	1728.5	1728.5	1723.9	1731.9
7.5°	1714.7	1715.9	1719.3	1721.6	1719.3	1725.1	1721.6	1717.0	1715.9	1711.3	1719.3
10°	1697.5	1698.7	1702.1	1707.9	1709.0	1719.3	1713.6	1705.6	1702.1	1697.5	1705.6
12.5°	1687.2	1688.4	1691.8	1698.7	1701.0	1714.7	1709.0	1696.4	1690.7	1686.1	1694.1
15°	1684.9	1686.1	1690.7	1697.5	1701.0	1714.7	1709.0	1694.1	1686.1	1680.3	1687.2
17.5°	1684.9	1687.2	1694.1	1704.4	1711.3	1725.1	1718.2	1701.0	1689.5	1679.2	1686.1
20°	1686.1	1689.5	1699.8	1714.7	1731.9	1751.4	1742.3	1719.3	1703.3	1690.7	1695.2
22.5°	1696.4	1702.1	1714.7	1734.2	1759.5	1782.4	1774.4	1743.4	1720.5	1703.3	1707.9
25°	1731.9	1734.2	1750.3	1775.5	1799.6	1819.1	1811.1	1782.4	1753.7	1733.1	1738.8
27.5°	1795.0	1800.8	1814.5	1840.9	1861.6	1871.9	1870.7	1851.2	1822.6	1804.2	1808.8
30°	1870.7	1876.5	1894.8	1924.6	1945.3	1956.8	1953.3	1938.4	1912.0	1886.8	1891.4
32.5°	1959.0	1961.3	1983.1	2016.4	2038.2	2055.4	2043.9	2027.9	1994.6	1964.8	1967.1
35°	2071.4	2074.9	2097.8	2128.8	2146.0	2159.8	2157.5	2141.4	2105.9	2073.7	2081.8
37.5°	2212.5	2214.8	2235.5	2274.5	2288.2	2298.6	2300.8	2292.8	2256.1	2214.8	2222.9
40°	2388.0	2389.2	2412.1	2446.5	2461.4	2468.3	2469.5	2470.6	2432.7	2401.8	2399.5
42.5°	2592.2	2597.9	2630.0	2663.3	2670.2	2666.7	2678.2	2689.7	2653.0	2610.5	2614.0
45°	2836.5	2839.9	2883.5	2920.2	2907.6	2896.1	2917.9	2940.9	2907.6	2852.5	2836.5
47.5°	3125.5	3132.4	3179.4	3216.1	3195.5	3174.8	3210.4	3234.5	3180.6	3122.1	3107.2
50°	3452.4	3457.0	3523.5	3569.4	3545.3	3507.5	3552.2	3577.4	3505.2	3432.9	3400.8
52.5°	3838.9	3829.8	3918.1	3998.4	3983.5	3934.1	3970.9	3975.4	3867.6	3765.5	3733.4
55°	4310.4	4301.2	4389.5	4477.8	4514.5	4501.9	4484.7	4457.2	4297.7	4188.8	4159.0
57.5°	4859.8	4831.1	4955.0	5074.2	5154.5	5177.5	5104.1	5039.8	4913.7	4779.5	4745.1
60°	5370.2	5369.0	5565.2	5771.6	5991.8	6083.6	5897.8	5723.4	5440.1	5195.8	5146.5
62.5°	5513.5	5537.6	5858.8	6370.3	6914.0	7238.6	6748.8	6171.9	5624.8	5256.6	5191.2
65°	5160.3	5219.9	5676.4	6483.9	7557.5	8351.2	7245.5	6182.2	5419.5	4960.7	4891.9
67.5°	3803.4	3922.7	4527.1	5850.8	7502.4	8636.8	7157.2	5609.9	4707.2	4161.3	4066.1
70°	1876.5	1990.0	2469.5	3849.3	6173.1	7720.3	6192.6	4227.8	3179.4	2654.1	2566.9
72.5°	690.5	736.4	924.5	1647.1	3406.5	5702.8	4234.7	2361.6	1540.4	1226.1	1167.6
75°	338.4	346.4	375.1	552.8	1257.1	2683.9	1990.0	906.1	566.6	493.2	477.1
77.5°	215.6	219.1	232.8	263.8	403.7	845.3	603.3	357.9	277.6	266.1	266.1
80°	120.4	123.9	142.2	164.0	189.3	290.2	216.8	214.5	182.4	159.4	156.0
82.5°	57.3	63.1	90.6	89.5	99.8	145.7	127.3	115.8	117.0	88.3	83.7
85°	26.4	26.4	35.6	42.4	44.7	49.3	58.5	66.5	65.4	44.7	48.2
87.5°	12.6	12.6	12.6	11.5	10.3	9.2	12.6	20.6	29.8	20.6	19.5
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)