

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: P636698

Luminaire Tested: GWS-SA4B-735-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-735-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14921.2 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

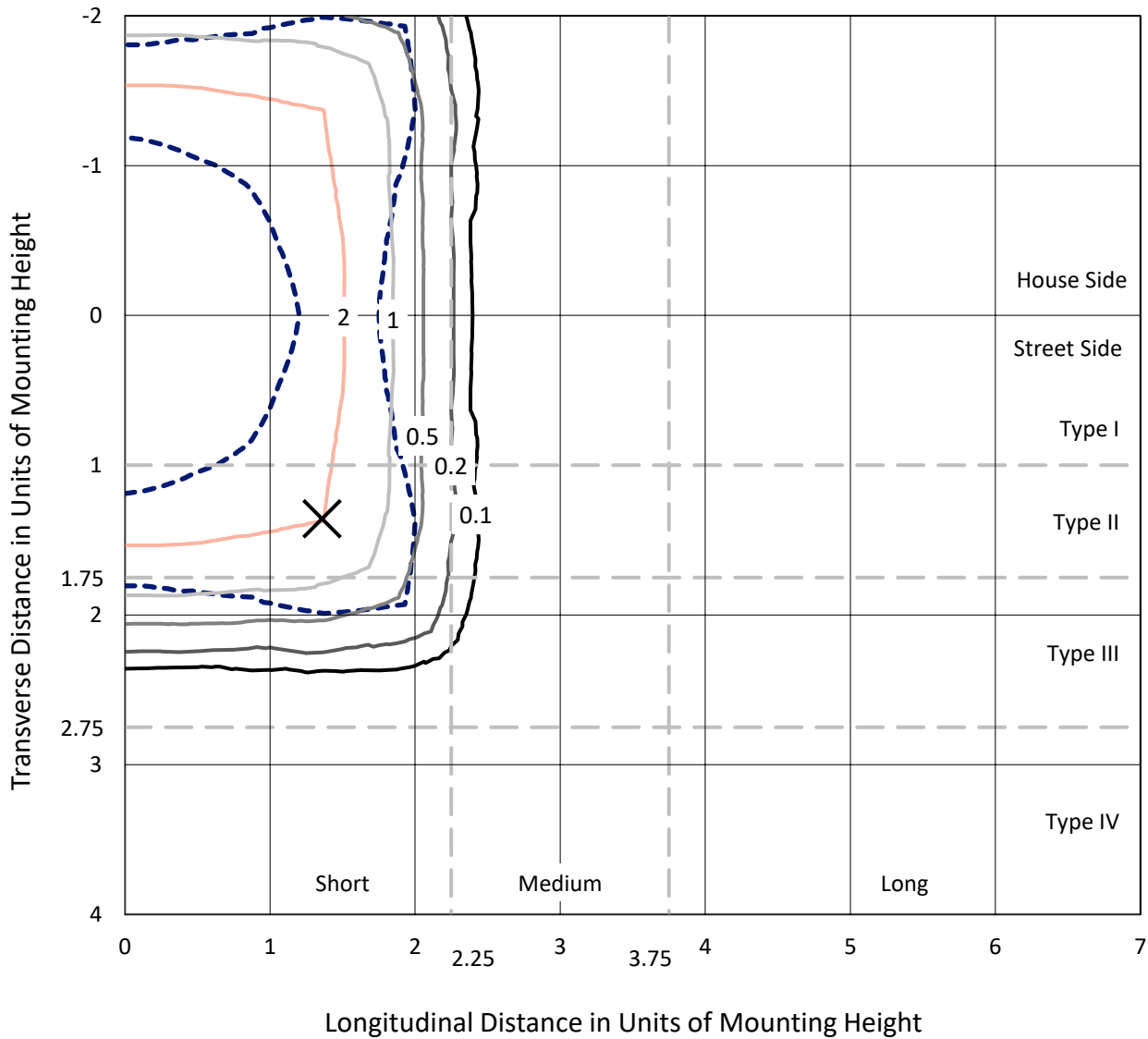
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636698
 CATALOG NUMBER: GWS-SA4B-735-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

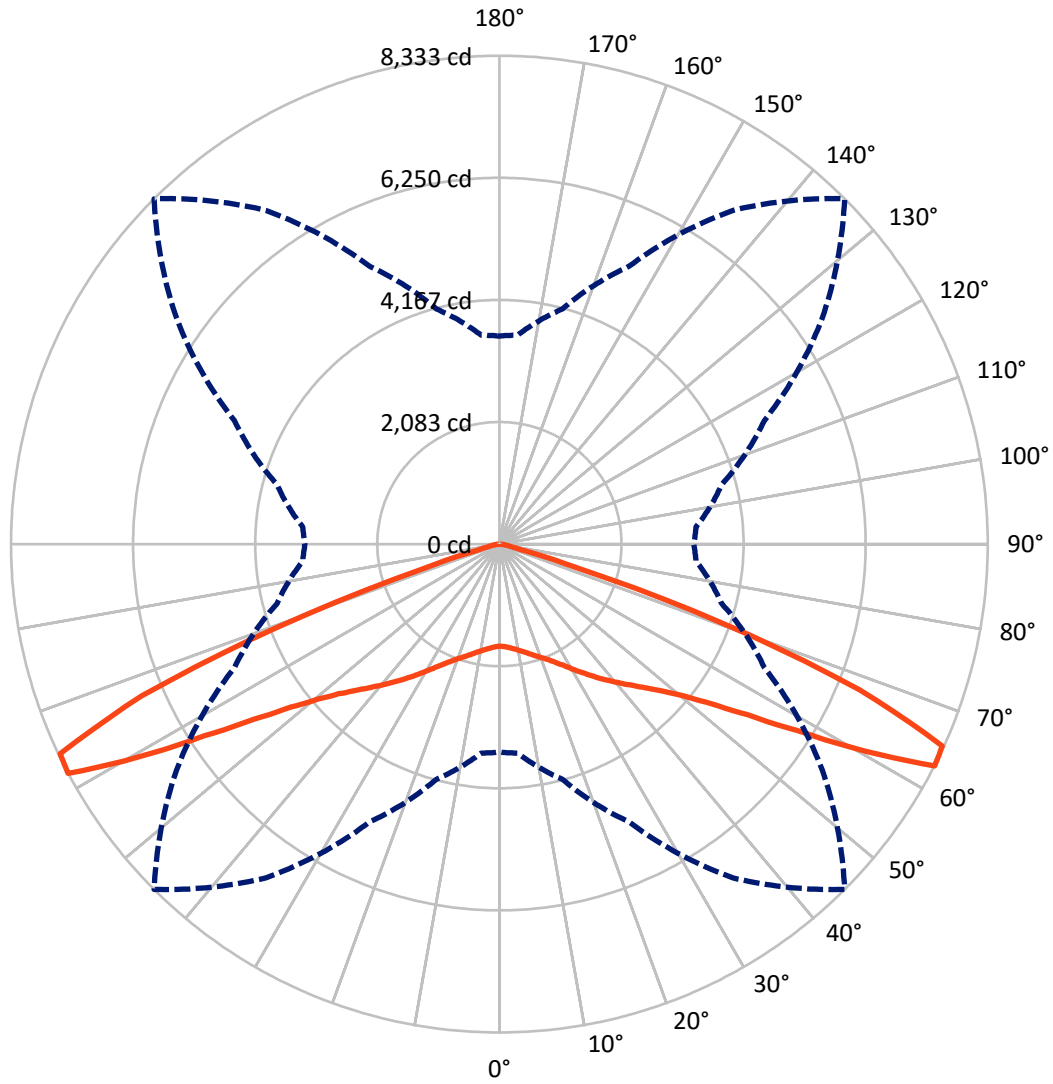
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636698
CATALOG NUMBER: GWS-SA4B-735-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P636698

CATALOG NUMBER: GWS-SA4B-735-U-5NQ-W

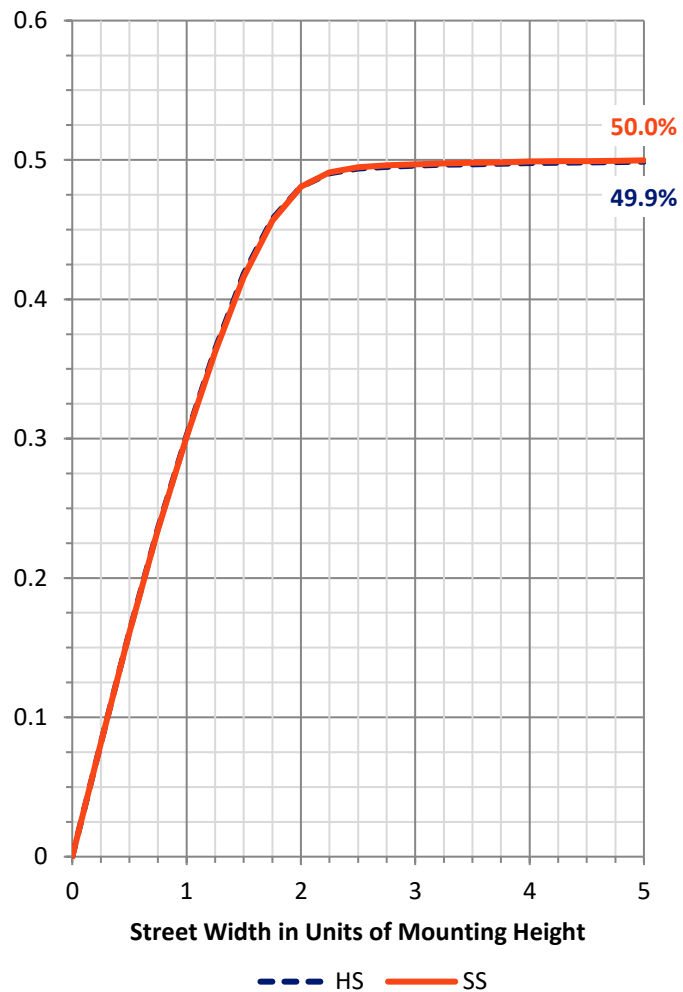
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7460.6	0.0	7460.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7460.6	0.0	7460.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	14921.2	0.0	14921.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	1.1
10°-20°	550.8	3.7
20°-30°	1042.0	7.0
30°-40°	1753.8	11.8
40°-50°	2802.1	18.8
50°-60°	4516.9	30.3
60°-70°	3685.3	24.7
70°-80°	357.9	2.4
80°-90°	41.6	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°	14921.2	100.0
0°-180°	14921.2	100.0

Coefficient of Utilization



REPORT NUMBER: P636698

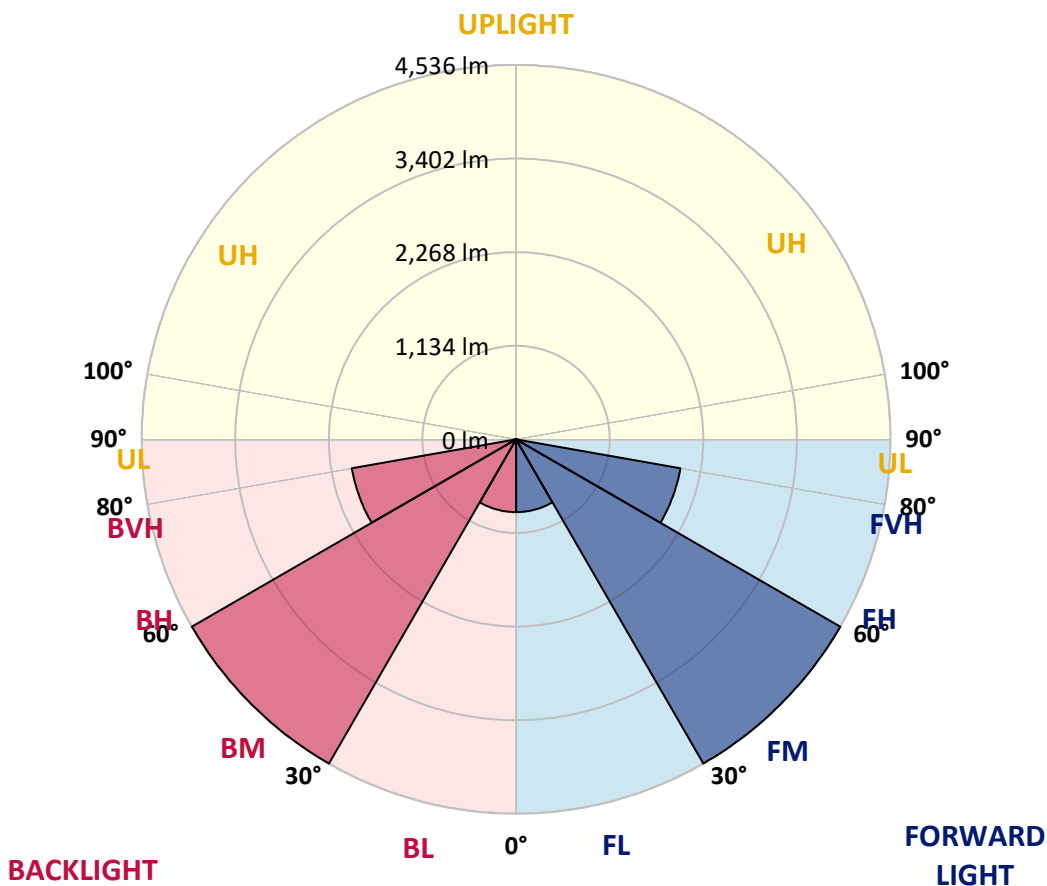
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.8	5.9			
FM (30°-60°)	4536.4	30.4			
FH (60°-80°)	2021.6	13.5			G2/5000
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	881.8	5.9	B2/1000		
BM (30°-60°)	4536.4	30.4	B3/5000		
BH (60°-80°)	2021.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	20.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8	1740.8
2.5°	1738.7	1738.7	1742.8	1745.9	1743.8	1752.0	1751.0	1748.9	1747.9	1744.9	1754.1
5°	1762.3	1762.3	1765.3	1768.4	1763.3	1773.5	1769.4	1767.4	1766.3	1762.3	1770.4
7.5°	1788.9	1791.9	1793.0	1798.1	1795.0	1806.3	1803.2	1799.1	1797.0	1791.9	1799.1
10°	1818.5	1820.6	1821.6	1830.8	1831.8	1845.1	1842.1	1837.0	1832.9	1827.7	1838.0
12.5°	1858.4	1859.5	1862.5	1873.8	1876.9	1887.1	1886.1	1878.9	1873.8	1866.6	1877.9
15°	1909.6	1910.6	1915.8	1927.0	1932.1	1944.4	1940.3	1929.1	1921.9	1913.7	1922.9
17.5°	1962.8	1966.9	1972.0	1983.3	1990.5	2004.8	1999.7	1987.4	1981.3	1973.1	1979.2
20°	2031.4	2032.4	2035.5	2047.8	2052.9	2069.3	2070.3	2058.0	2054.9	2046.7	2056.0
22.5°	2107.1	2108.2	2111.2	2124.5	2133.7	2144.0	2150.1	2142.9	2137.8	2127.6	2138.9
25°	2191.0	2201.3	2204.3	2220.7	2231.0	2237.1	2244.3	2241.2	2234.0	2221.7	2226.9
27.5°	2308.7	2310.8	2315.9	2334.3	2340.5	2346.6	2353.8	2354.8	2344.5	2330.2	2337.4
30°	2442.8	2441.8	2453.0	2467.4	2472.5	2477.6	2487.8	2494.0	2480.7	2465.3	2472.5
32.5°	2579.9	2592.2	2606.5	2619.8	2616.8	2618.8	2635.2	2646.4	2628.0	2600.4	2606.5
35°	2734.5	2742.6	2761.1	2780.5	2776.4	2773.3	2783.6	2794.8	2769.3	2733.4	2742.6
37.5°	2893.1	2905.4	2933.0	2956.5	2950.4	2936.1	2947.3	2959.6	2935.0	2894.1	2890.0
40°	3070.1	3089.6	3129.5	3148.9	3132.5	3104.9	3124.4	3154.0	3129.5	3082.4	3071.1
42.5°	3277.9	3301.4	3341.3	3371.0	3335.2	3290.1	3322.9	3365.9	3359.7	3297.3	3277.9
45°	3534.7	3550.1	3599.2	3613.5	3560.3	3497.9	3557.2	3622.7	3607.4	3539.9	3514.3
47.5°	3814.1	3837.7	3880.6	3907.2	3821.3	3743.5	3826.4	3914.4	3898.0	3834.6	3804.9
50°	4170.2	4201.0	4257.2	4279.8	4161.0	4072.0	4178.4	4290.0	4258.3	4173.3	4134.4
52.5°	4558.1	4582.7	4678.9	4723.9	4612.3	4516.1	4609.3	4718.8	4651.2	4538.7	4486.5
55°	4899.9	4924.5	5065.7	5215.1	5210.0	5143.5	5190.6	5192.6	5009.4	4823.2	4767.9
57.5°	4973.6	4998.2	5267.3	5658.2	5934.5	6011.3	5873.1	5582.5	5121.0	4794.5	4732.1
60°	4580.6	4608.3	5036.0	5750.3	6659.1	7171.8	6535.3	5574.3	4776.1	4334.0	4274.6
62.5°	3549.1	3578.7	4153.9	5226.4	6951.8	8333.3	6727.7	4987.9	3928.7	3368.9	3316.8
65°	1694.7	1694.7	2425.4	3748.6	6368.5	8305.7	6170.9	3690.3	2365.0	1816.5	1771.5
67.5°	419.6	421.6	624.3	1459.3	4331.9	6628.4	4402.6	1771.5	833.0	589.5	574.1
70°	262.0	261.0	289.6	395.0	1515.6	4022.9	1800.1	534.2	338.7	298.8	296.8
72.5°	203.7	203.7	218.0	252.8	397.1	1370.3	525.0	296.8	245.6	221.0	221.0
75°	160.7	160.7	170.9	189.3	234.4	353.1	279.4	220.0	190.3	174.0	171.9
77.5°	119.7	121.8	130.0	142.2	159.6	198.5	177.0	165.8	148.4	136.1	132.0
80°	77.8	80.8	91.1	98.2	104.4	131.0	115.6	120.8	112.6	98.2	96.2
82.5°	42.0	43.0	55.3	57.3	59.4	71.6	73.7	76.8	79.8	62.4	58.3
85°	15.4	15.4	18.4	21.5	23.5	25.6	34.8	43.0	45.0	35.8	34.8
87.5°	3.1	3.1	3.1	2.0	2.0	2.0	6.1	11.3	18.4	14.3	14.3
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)