

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: P633343

Luminaire Tested: GWS-SA2E-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633343
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-SA2E-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15600 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

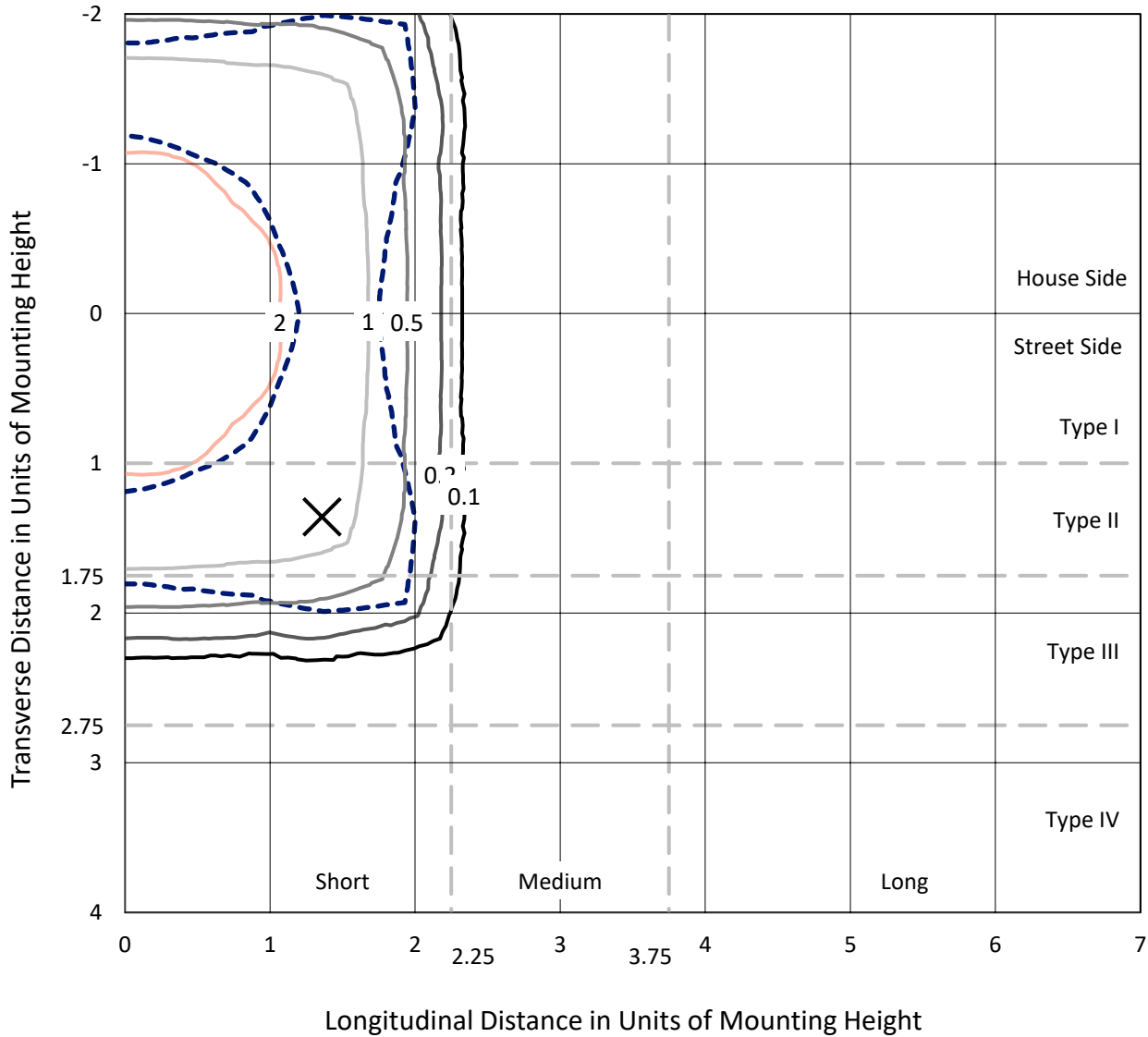
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

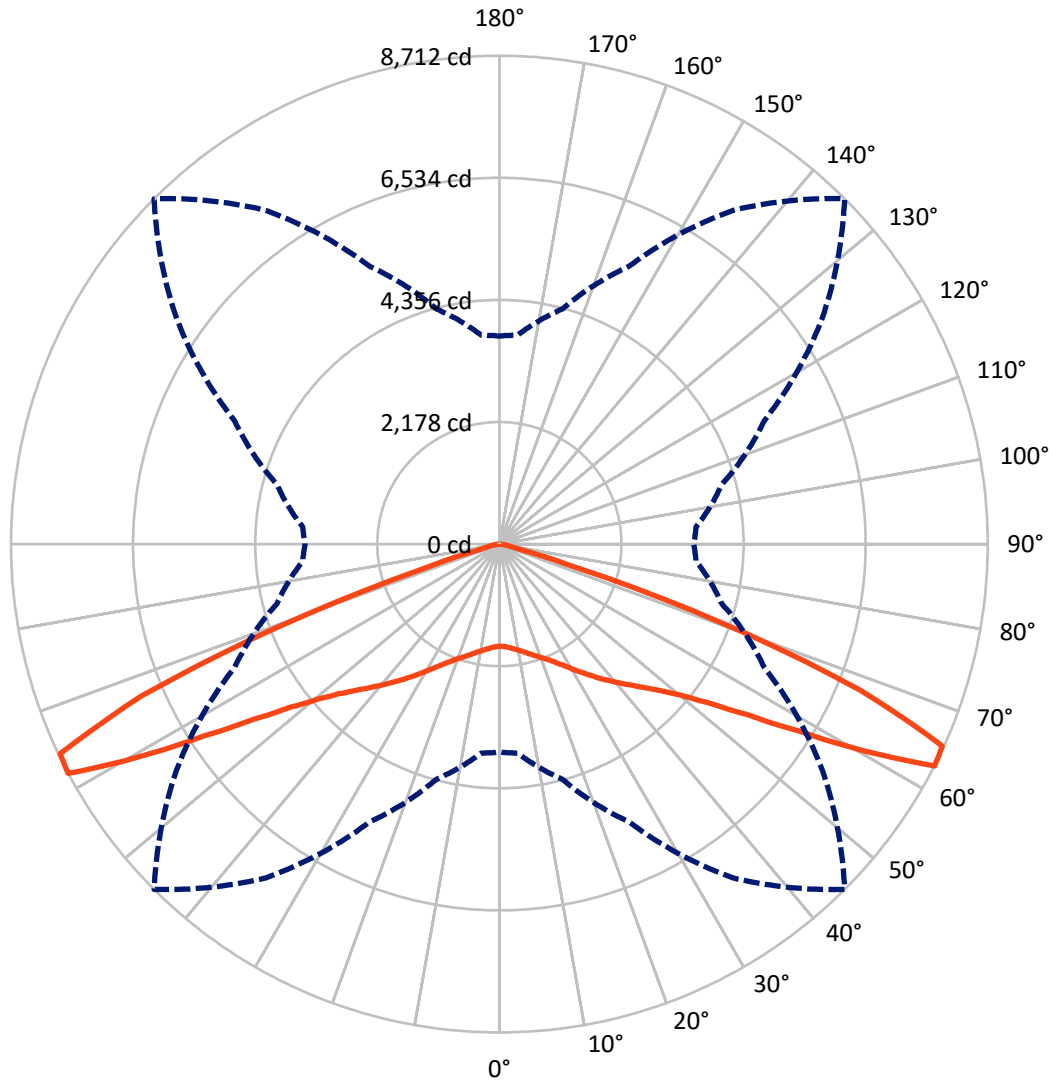
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7800.0	0.0	7800.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7800.0	0.0	7800.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15600.0	0.0	15600.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.1
10°-20°	575.8	3.7
20°-30°	1089.4	7.0
30°-40°	1833.6	11.8
40°-50°	2929.6	18.8
50°-60°	4722.4	30.3
60°-70°	3852.9	24.7
70°-80°	374.1	2.4
80°-90°	43.5	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°	15600.0	100.0
0°-180°	15600.0	100.0

Coefficient of Utilization



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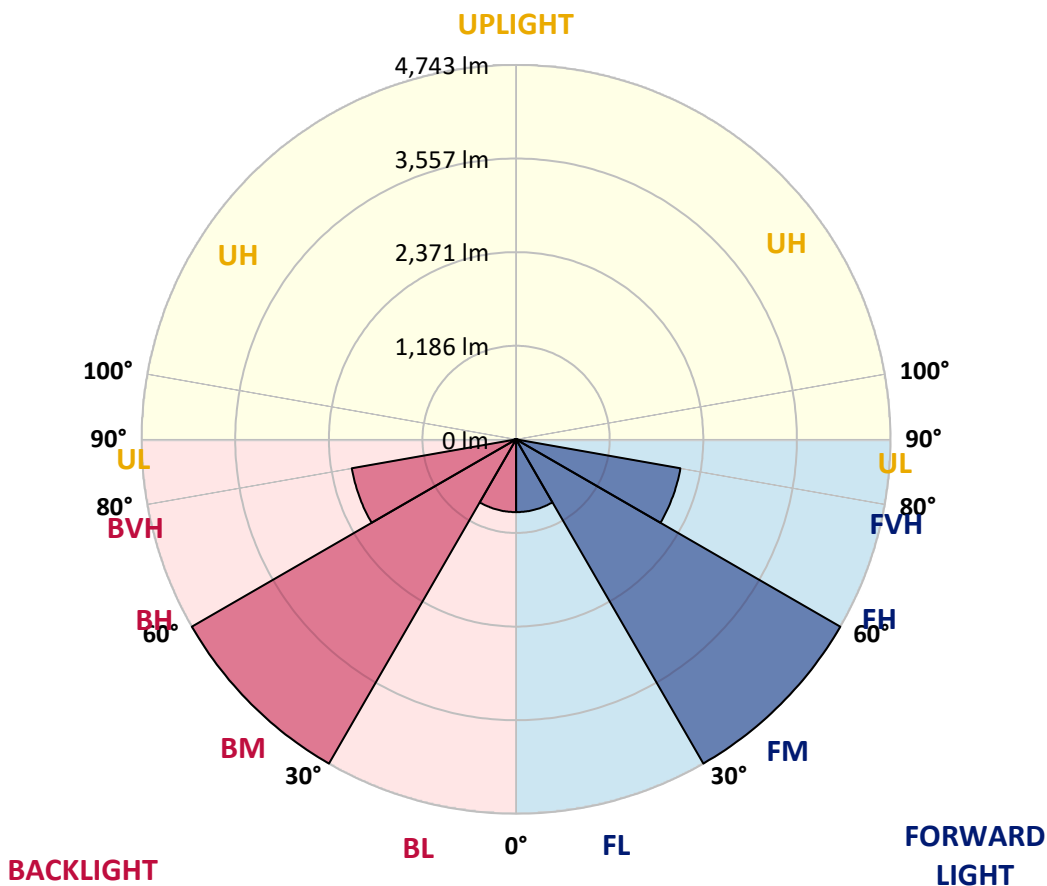
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	921.9	5.9			
FM (30°-60°)	4742.8	30.4			
FH (60°-80°)	2113.5	13.5			G2/5000
FVH (80°-90°)	21.8	0.1			G1/100
BL (0°-30°)	921.9	5.9	B2/1000		
BM (30°-60°)	4742.8	30.4	B3/5000		
BH (60°-80°)	2113.5	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.8	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°	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0	1820.0
2.5°	1817.8	1817.8	1822.1	1825.3	1823.2	1831.7	1830.6	1828.5	1827.4	1824.2	1833.9
5°	1842.4	1842.4	1845.6	1848.8	1843.5	1854.2	1849.9	1847.8	1846.7	1842.4	1851.0
7.5°	1870.2	1873.4	1874.5	1879.9	1876.7	1888.4	1885.2	1880.9	1878.8	1873.4	1880.9
10°	1901.3	1903.4	1904.5	1914.1	1915.2	1929.1	1925.9	1920.5	1916.2	1910.9	1921.6
12.5°	1943.0	1944.1	1947.3	1959.0	1962.3	1973.0	1971.9	1964.4	1959.0	1951.6	1963.3
15°	1996.5	1997.6	2002.9	2014.7	2020.0	2032.9	2028.6	2016.8	2009.3	2000.8	2010.4
17.5°	2052.1	2056.4	2061.8	2073.5	2081.0	2096.0	2090.6	2077.8	2071.4	2062.8	2069.2
20°	2123.8	2124.9	2128.1	2140.9	2146.3	2163.4	2164.5	2151.6	2148.4	2139.9	2149.5
22.5°	2203.0	2204.1	2207.3	2221.2	2230.8	2241.5	2247.9	2240.4	2235.1	2224.4	2236.2
25°	2290.7	2301.4	2304.6	2321.7	2332.4	2338.9	2346.4	2343.1	2335.7	2322.8	2328.2
27.5°	2413.8	2415.9	2421.3	2440.5	2446.9	2453.3	2460.8	2461.9	2451.2	2436.2	2443.7
30°	2553.9	2552.9	2564.6	2579.6	2585.0	2590.3	2601.0	2607.4	2593.5	2577.5	2585.0
32.5°	2697.3	2710.1	2725.1	2739.0	2735.8	2738.0	2755.1	2766.8	2747.6	2718.7	2725.1
35°	2858.9	2867.4	2886.7	2907.0	2902.7	2899.5	2910.2	2922.0	2895.2	2857.8	2867.4
37.5°	3024.7	3037.5	3066.4	3091.0	3084.6	3069.6	3081.4	3094.2	3068.6	3025.8	3021.5
40°	3209.8	3230.1	3271.8	3292.2	3275.1	3246.2	3266.5	3297.5	3271.8	3222.6	3210.9
42.5°	3427.0	3451.6	3493.3	3524.3	3486.9	3439.8	3474.1	3519.0	3512.6	3447.3	3427.0
45°	3695.5	3711.6	3762.9	3777.9	3722.3	3657.0	3719.1	3787.6	3771.5	3700.9	3674.1
47.5°	3987.6	4012.2	4057.2	4085.0	3995.1	3913.8	4000.5	4092.5	4075.4	4009.0	3978.0
50°	4360.0	4392.1	4450.9	4474.4	4350.3	4257.3	4368.5	4485.1	4452.0	4363.2	4322.5
52.5°	4765.5	4791.1	4891.7	4938.8	4822.2	4721.6	4819.0	4933.4	4862.8	4745.1	4690.6
55°	5122.8	5148.5	5296.2	5452.4	5447.0	5377.5	5426.7	5428.8	5237.3	5042.6	4984.8
57.5°	5199.9	5225.5	5506.9	5915.6	6204.5	6284.8	6140.3	5836.5	5353.9	5012.6	4947.4
60°	4789.0	4817.9	5265.1	6011.9	6962.0	7498.1	6832.6	5827.9	4993.4	4531.2	4469.1
62.5°	3710.5	3741.5	4342.8	5464.1	7268.0	8712.4	7033.7	5214.8	4107.5	3522.2	3467.6
65°	1771.8	1771.8	2535.7	3919.2	6658.2	8683.5	6451.7	3858.2	2472.6	1899.1	1852.0
67.5°	438.7	440.8	652.7	1525.7	4529.0	6929.9	4602.8	1852.0	870.9	616.3	600.2
70°	273.9	272.8	302.8	413.0	1584.6	4205.9	1882.0	558.5	354.1	312.4	310.3
72.5°	212.9	212.9	227.9	264.3	415.1	1432.6	548.9	310.3	256.8	231.1	231.1
75°	168.0	168.0	178.7	197.9	245.0	369.1	292.1	230.0	199.0	181.9	179.7
77.5°	125.2	127.3	135.9	148.7	166.9	207.6	185.1	173.3	155.1	142.3	138.0
80°	81.3	84.5	95.2	102.7	109.1	137.0	120.9	126.3	117.7	102.7	100.6
82.5°	43.9	44.9	57.8	59.9	62.1	74.9	77.0	80.2	83.5	65.3	61.0
85°	16.0	16.0	19.3	22.5	24.6	26.7	36.4	44.9	47.1	37.4	36.4
87.5°	3.2	3.2	3.2	2.1	2.1	2.1	6.4	11.8	19.3	15.0	15.0
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)