

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: P633288

Luminaire Tested: GWS-SA2E-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633288
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15250.5 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

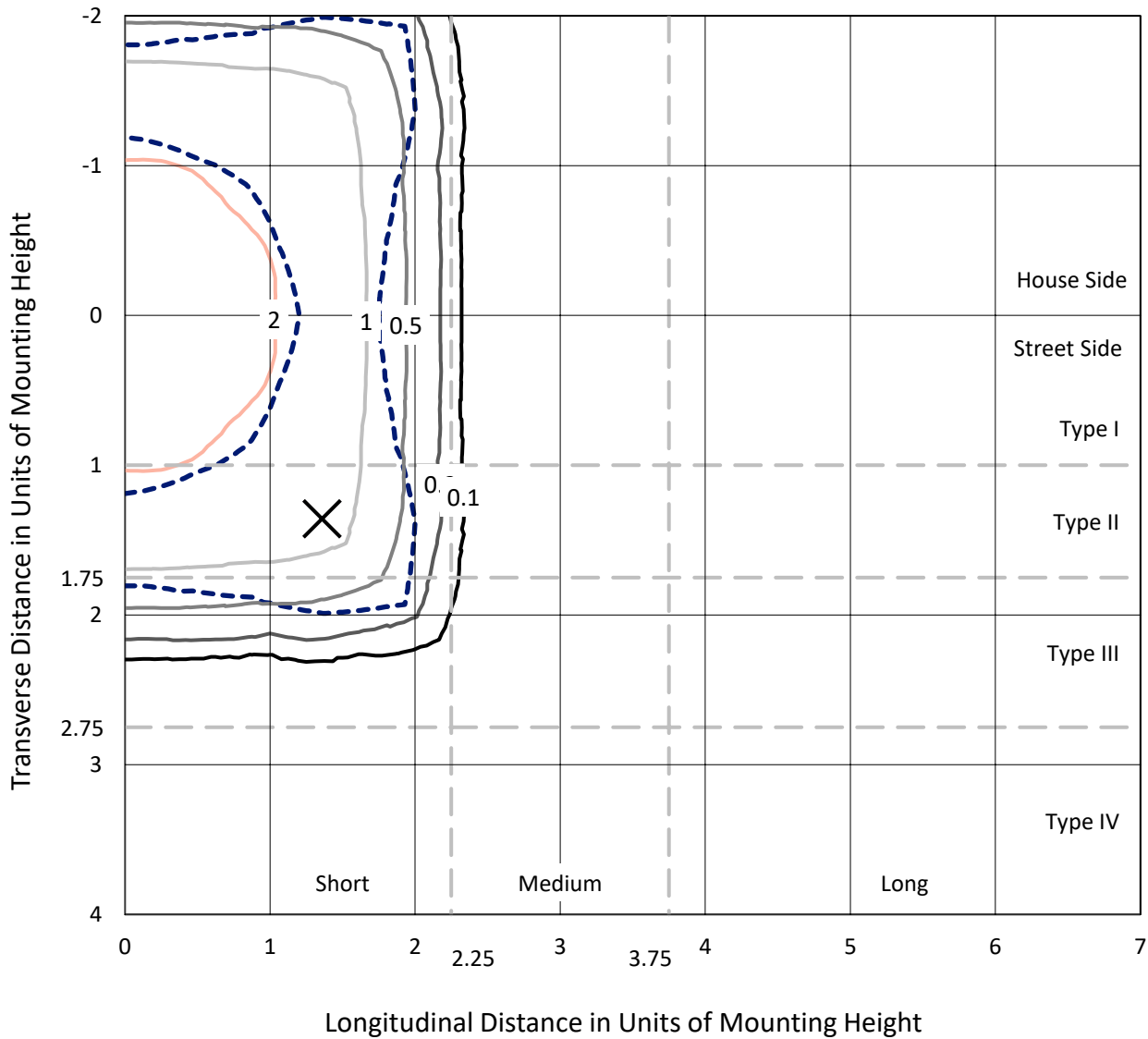
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633288
 CATALOG NUMBER: GWS-SA2E-740-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

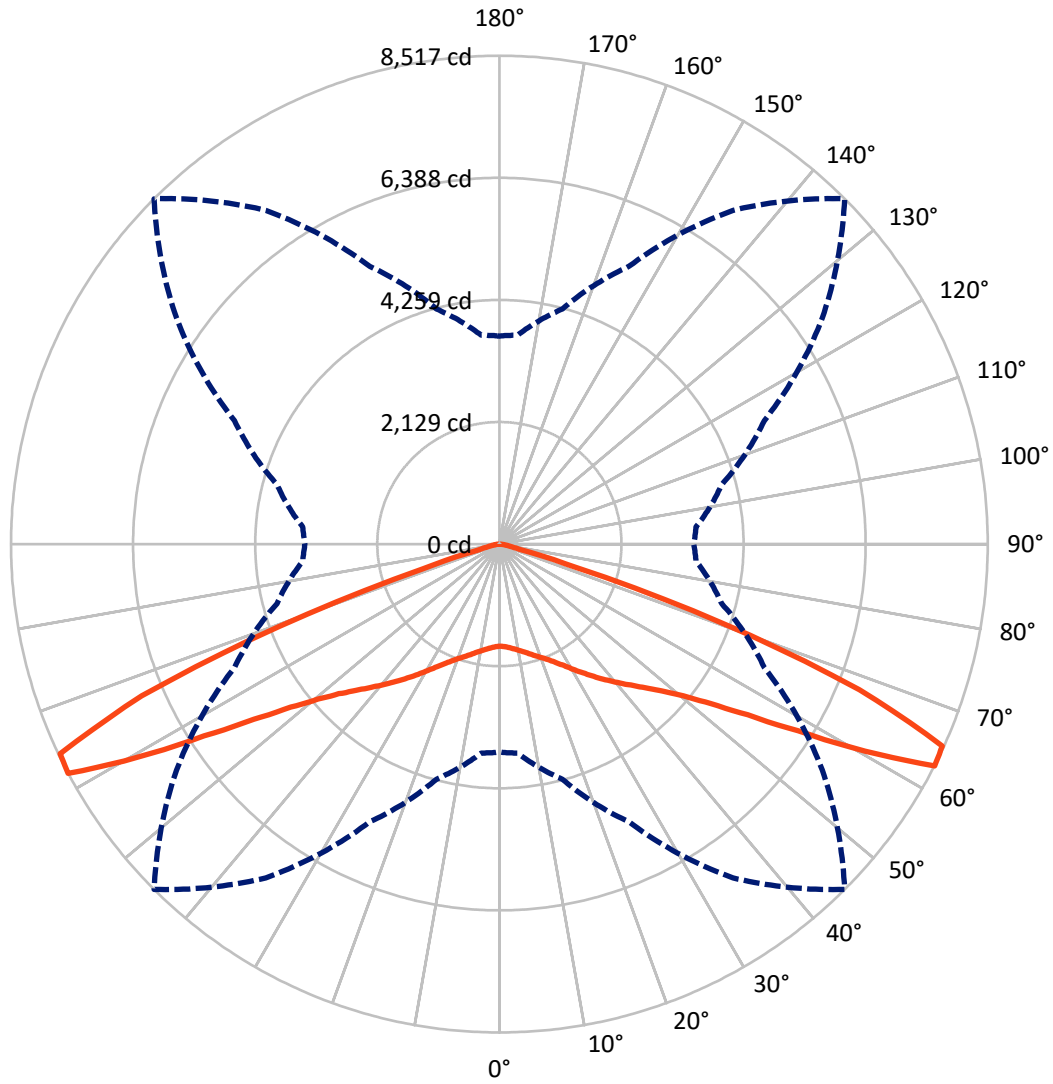
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P633288
CATALOG NUMBER: GWS-SA2E-740-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633288

CATALOG NUMBER: GWS-SA2E-740-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7625.2	0.0	7625.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7625.2	0.0	7625.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15250.5	0.0	15250.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.1
10°-20°	562.9	3.7
20°-30°	1065.0	7.0
30°-40°	1792.6	11.8
40°-50°	2864.0	18.8
50°-60°	4616.6	30.3
60°-70°	3766.6	24.7
70°-80°	365.8	2.4
80°-90°	42.6	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°	15250.5	100.0
0°-180°	15250.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633288

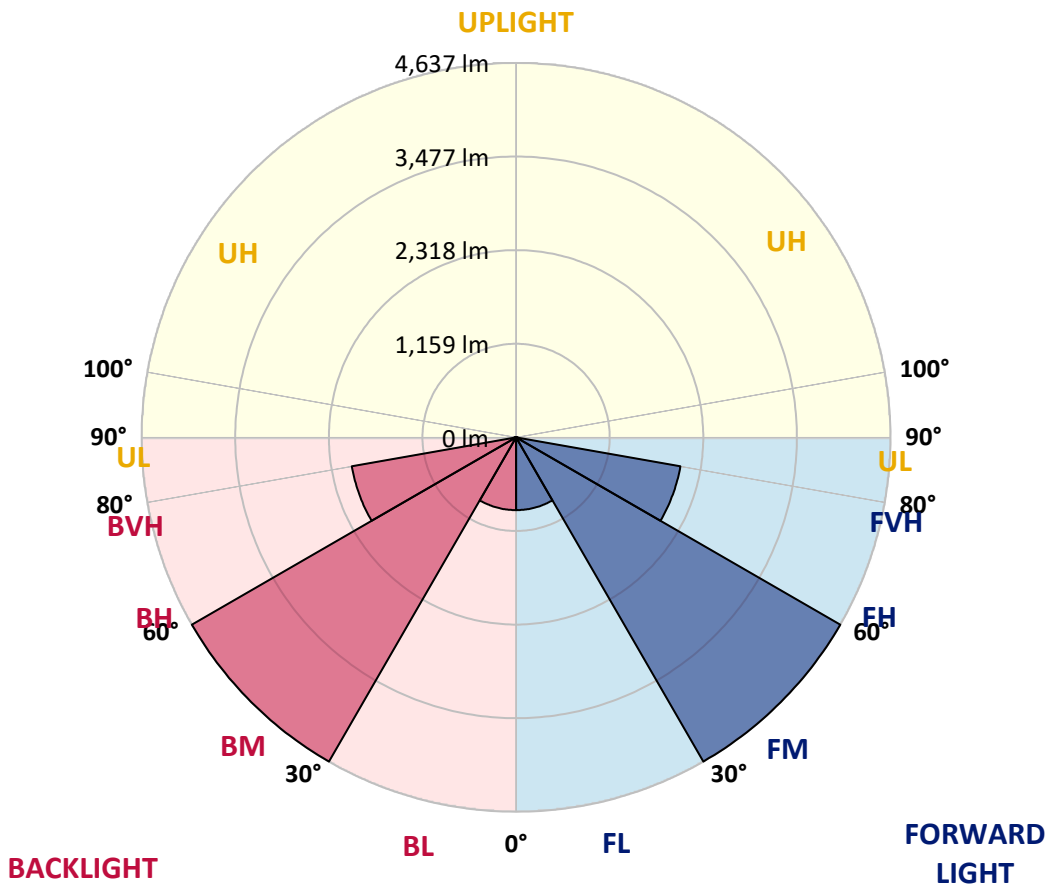
CATALOG NUMBER: GWS-SA2E-740-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.2	5.9			
FM (30°-60°)	4636.5	30.4			
FH (60°-80°)	2066.2	13.5			G2/5000
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	901.2	5.9	B2/1000		
BM (30°-60°)	4636.5	30.4	B3/5000		
BH (60°-80°)	2066.2	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.3	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





REPORT NUMBER: P633288
 CATALOG NUMBER: GWS-SA2E-740-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2	1779.2
2.5°	1777.1	1777.1	1781.3	1784.4	1782.3	1790.7	1789.6	1787.5	1786.5	1783.4	1792.8
5°	1801.1	1801.1	1804.3	1807.4	1802.2	1812.6	1808.5	1806.4	1805.3	1801.1	1809.5
7.5°	1828.3	1831.5	1832.5	1837.8	1834.6	1846.1	1843.0	1838.8	1836.7	1831.5	1838.8
10°	1858.7	1860.8	1861.8	1871.2	1872.3	1885.9	1882.7	1877.5	1873.3	1868.1	1878.5
12.5°	1899.5	1900.5	1903.6	1915.2	1918.3	1928.7	1927.7	1920.4	1915.2	1907.8	1919.3
15°	1951.8	1952.8	1958.0	1969.5	1974.8	1987.3	1983.1	1971.6	1964.3	1955.9	1965.4
17.5°	2006.1	2010.3	2015.6	2027.1	2034.4	2049.0	2043.8	2031.3	2025.0	2016.6	2022.9
20°	2076.2	2077.3	2080.4	2093.0	2098.2	2114.9	2116.0	2103.4	2100.3	2091.9	2101.3
22.5°	2153.6	2154.7	2157.8	2171.4	2180.8	2191.3	2197.6	2190.2	2185.0	2174.5	2186.1
25°	2239.4	2249.9	2253.0	2269.7	2280.2	2286.5	2293.8	2290.7	2283.3	2270.8	2276.0
27.5°	2359.7	2361.8	2367.0	2385.8	2392.1	2398.4	2405.7	2406.8	2396.3	2381.6	2389.0
30°	2496.7	2495.7	2507.2	2521.8	2527.0	2532.3	2542.7	2549.0	2535.4	2519.7	2527.0
32.5°	2636.9	2649.4	2664.1	2677.7	2674.5	2676.6	2693.3	2704.9	2686.0	2657.8	2664.1
35°	2794.8	2803.2	2822.0	2841.9	2837.7	2834.5	2845.0	2856.5	2830.4	2793.8	2803.2
37.5°	2956.9	2969.5	2997.7	3021.8	3015.5	3000.9	3012.4	3024.9	2999.8	2958.0	2953.8
40°	3137.9	3157.8	3198.5	3218.4	3201.7	3173.4	3193.3	3223.6	3198.5	3150.4	3138.9
42.5°	3350.2	3374.3	3415.1	3445.4	3408.8	3362.8	3396.2	3440.2	3433.9	3370.1	3350.2
45°	3612.7	3628.4	3678.6	3693.3	3638.9	3575.1	3635.8	3702.7	3687.0	3618.0	3591.8
47.5°	3898.3	3922.3	3966.3	3993.5	3905.6	3826.1	3910.8	4000.8	3984.1	3919.2	3888.9
50°	4262.3	4293.7	4351.2	4374.2	4252.9	4161.9	4270.7	4384.7	4352.2	4265.4	4225.7
52.5°	4658.7	4683.8	4782.1	4828.1	4714.1	4615.8	4711.0	4822.9	4753.9	4638.8	4585.5
55°	5008.1	5033.2	5177.5	5330.2	5325.0	5257.0	5305.1	5307.2	5120.0	4929.6	4873.1
57.5°	5083.4	5108.5	5383.6	5783.1	6065.5	6144.0	6002.8	5705.7	5234.0	4900.3	4836.5
60°	4681.7	4710.0	5147.2	5877.2	6806.1	7330.1	6679.5	5697.3	4881.5	4429.6	4369.0
62.5°	3627.4	3657.7	4245.5	5341.7	7105.2	8517.2	6876.1	5098.0	4015.4	3443.3	3390.0
65°	1732.1	1732.1	2478.9	3831.3	6509.0	8489.0	6307.1	3771.7	2417.2	1856.6	1810.6
67.5°	428.8	430.9	638.0	1491.5	4427.5	6774.7	4499.7	1810.6	851.4	602.5	586.8
70°	267.8	266.7	296.0	403.7	1549.1	4111.7	1839.8	546.0	346.2	305.4	303.3
72.5°	208.1	208.1	222.8	258.4	405.8	1400.5	536.6	303.3	251.0	225.9	225.9
75°	164.2	164.2	174.7	193.5	239.5	360.9	285.5	224.9	194.5	177.8	175.7
77.5°	122.4	124.5	132.8	145.4	163.2	202.9	181.0	169.4	151.7	139.1	134.9
80°	79.5	82.6	93.1	100.4	106.7	133.9	118.2	123.4	115.1	100.4	98.3
82.5°	42.9	43.9	56.5	58.6	60.7	73.2	75.3	78.4	81.6	63.8	59.6
85°	15.7	15.7	18.8	22.0	24.1	26.1	35.6	43.9	46.0	36.6	35.6
87.5°	3.1	3.1	3.1	2.1	2.1	2.1	6.3	11.5	18.8	14.6	14.6
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)