

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: P633398

Luminaire Tested: GWS-SA2E-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633398
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15386.2 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

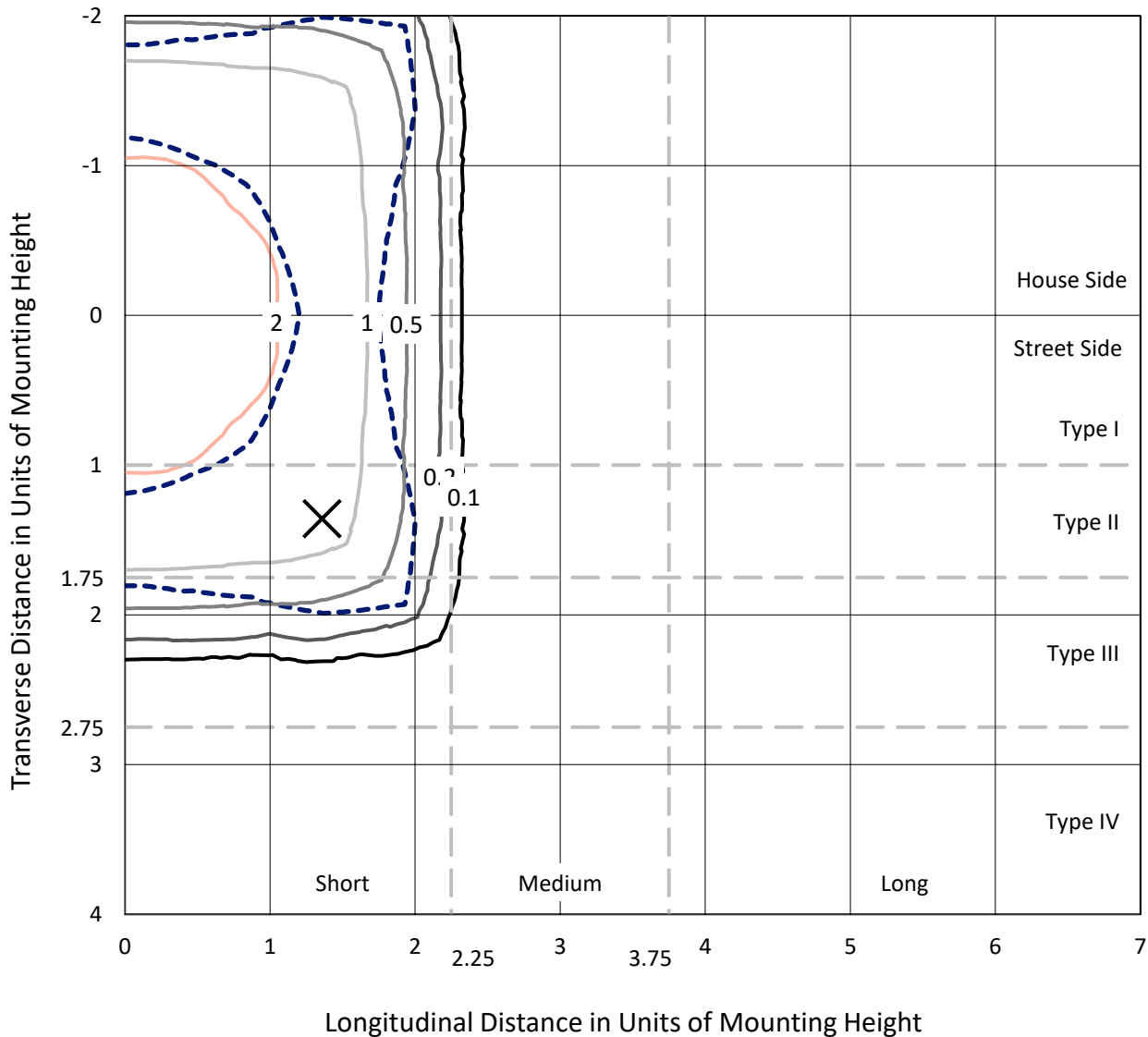
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

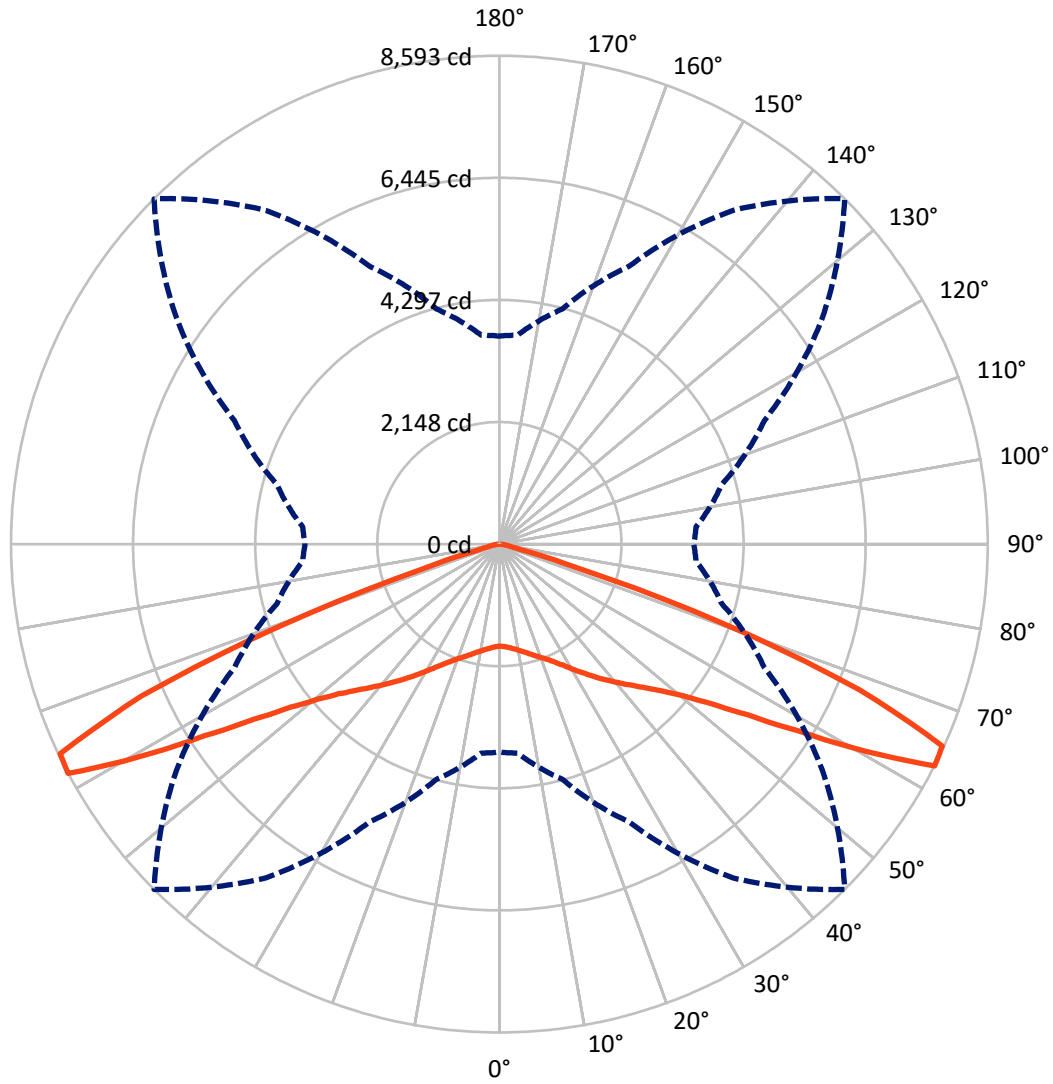
✕ Max cd
 - - - 1/2 Max cd



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	7693.1	0.0	7693.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7693.1	0.0	7693.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15386.2	0.0	15386.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	1.1
10°-20°	567.9	3.7
20°-30°	1074.5	7.0
30°-40°	1808.5	11.8
40°-50°	2889.5	18.8
50°-60°	4657.6	30.3
60°-70°	3800.1	24.7
70°-80°	369.0	2.4
80°-90°	42.9	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°	15386.2	100.0
0°-180°	15386.2	100.0

Coefficient of Utilization



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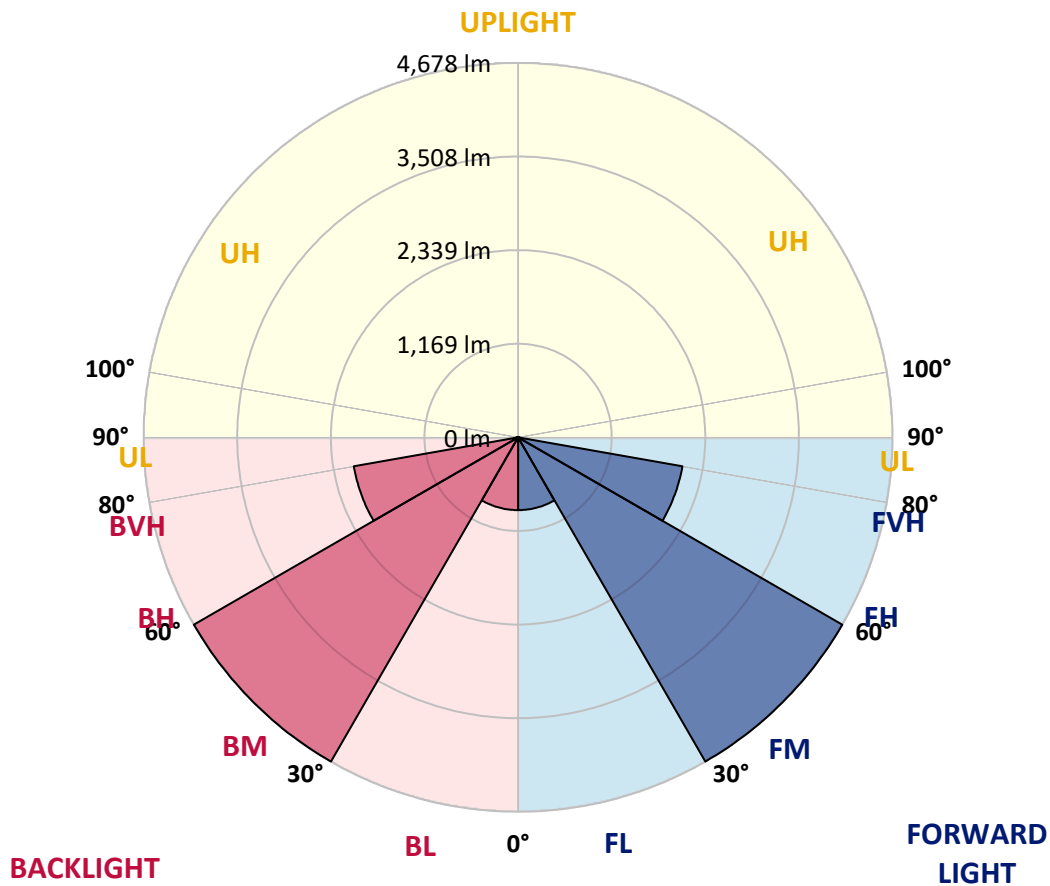
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	909.3	5.9			
FM (30°-60°)	4677.8	30.4			
FH (60°-80°)	2084.6	13.5			G2/5000
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	909.3	5.9	B2/1000		
BM (30°-60°)	4677.8	30.4	B3/5000		
BH (60°-80°)	2084.6	13.5	B3/2500		G2/5000
BVH (80°-90°)	21.5	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°	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0	1795.0
2.5°	1792.9	1792.9	1797.1	1800.3	1798.2	1806.6	1805.6	1803.4	1802.4	1799.2	1808.7
5°	1817.2	1817.2	1820.3	1823.5	1818.2	1828.8	1824.6	1822.4	1821.4	1817.2	1825.6
7.5°	1844.6	1847.8	1848.8	1854.1	1850.9	1862.5	1859.4	1855.2	1853.0	1847.8	1855.2
10°	1875.2	1877.3	1878.4	1887.9	1888.9	1902.6	1899.5	1894.2	1890.0	1884.7	1895.3
12.5°	1916.4	1917.4	1920.6	1932.2	1935.4	1945.9	1944.9	1937.5	1932.2	1924.8	1936.4
15°	1969.1	1970.2	1975.5	1987.1	1992.3	2005.0	2000.8	1989.2	1981.8	1973.3	1982.8
17.5°	2024.0	2028.2	2033.5	2045.1	2052.5	2067.3	2062.0	2049.3	2043.0	2034.6	2040.9
20°	2094.7	2095.8	2098.9	2111.6	2116.9	2133.7	2134.8	2122.1	2119.0	2110.5	2120.0
22.5°	2172.8	2173.8	2177.0	2190.7	2200.2	2210.8	2217.1	2209.7	2204.5	2193.9	2205.5
25°	2259.3	2269.9	2273.0	2289.9	2300.5	2306.8	2314.2	2311.0	2303.6	2291.0	2296.3
27.5°	2380.7	2382.8	2388.1	2407.1	2413.4	2419.7	2427.1	2428.2	2417.6	2402.8	2410.2
30°	2518.9	2517.9	2529.5	2544.2	2549.5	2554.8	2565.4	2571.7	2558.0	2542.1	2549.5
32.5°	2660.3	2673.0	2687.8	2701.5	2698.3	2700.4	2717.3	2728.9	2709.9	2681.4	2687.8
35°	2819.7	2828.1	2847.1	2867.2	2862.9	2859.8	2870.3	2881.9	2855.6	2818.6	2828.1
37.5°	2983.2	2995.9	3024.4	3048.7	3042.3	3027.6	3039.2	3051.8	3026.5	2984.3	2980.1
40°	3165.8	3185.8	3227.0	3247.1	3230.2	3201.7	3221.7	3252.3	3227.0	3178.5	3166.9
42.5°	3380.0	3404.3	3445.4	3476.0	3439.1	3392.7	3426.4	3470.8	3464.4	3400.1	3380.0
45°	3644.9	3660.7	3711.4	3726.1	3671.3	3606.9	3668.1	3735.6	3719.8	3650.2	3623.8
47.5°	3933.0	3957.2	4001.6	4029.0	3940.4	3860.2	3945.6	4036.4	4019.5	3954.1	3923.5
50°	4300.2	4331.9	4389.9	4413.1	4290.7	4198.9	4308.7	4423.7	4391.0	4303.4	4263.3
52.5°	4700.2	4725.5	4824.7	4871.1	4756.1	4656.9	4752.9	4865.8	4796.2	4680.1	4626.3
55°	5052.6	5077.9	5223.6	5377.6	5372.4	5303.8	5352.3	5354.4	5165.5	4973.5	4916.5
57.5°	5128.6	5153.9	5431.5	5834.6	6119.5	6198.6	6056.2	5756.5	5280.6	4943.9	4879.6
60°	4723.4	4751.9	5193.0	5929.5	6866.6	7395.3	6738.9	5748.0	4924.9	4469.1	4407.8
62.5°	3659.7	3690.3	4283.3	5389.2	7168.4	8593.0	6937.3	5143.4	4051.2	3473.9	3420.1
65°	1747.5	1747.5	2501.0	3865.4	6566.9	8564.5	6363.3	3805.3	2438.7	1873.1	1826.7
67.5°	432.7	434.8	643.7	1504.8	4466.9	6835.0	4539.8	1826.7	859.0	607.8	592.0
70°	270.1	269.1	298.6	407.3	1562.8	4148.3	1856.2	550.8	349.3	308.1	306.0
72.5°	210.0	210.0	224.8	260.7	409.4	1413.0	541.4	306.0	253.3	227.9	227.9
75°	165.7	165.7	176.2	195.2	241.7	364.1	288.1	226.9	196.3	179.4	177.3
77.5°	123.5	125.6	134.0	146.7	164.6	204.7	182.6	171.0	153.0	140.4	136.1
80°	80.2	83.4	93.9	101.3	107.6	135.1	119.2	124.5	116.1	101.3	99.2
82.5°	43.3	44.3	57.0	59.1	61.2	73.9	76.0	79.1	82.3	64.4	60.2
85°	15.8	15.8	19.0	22.2	24.3	26.4	35.9	44.3	46.4	36.9	35.9
87.5°	3.2	3.2	3.2	2.1	2.1	2.1	6.3	11.6	19.0	14.8	14.8
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)