

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: P633396

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10358.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

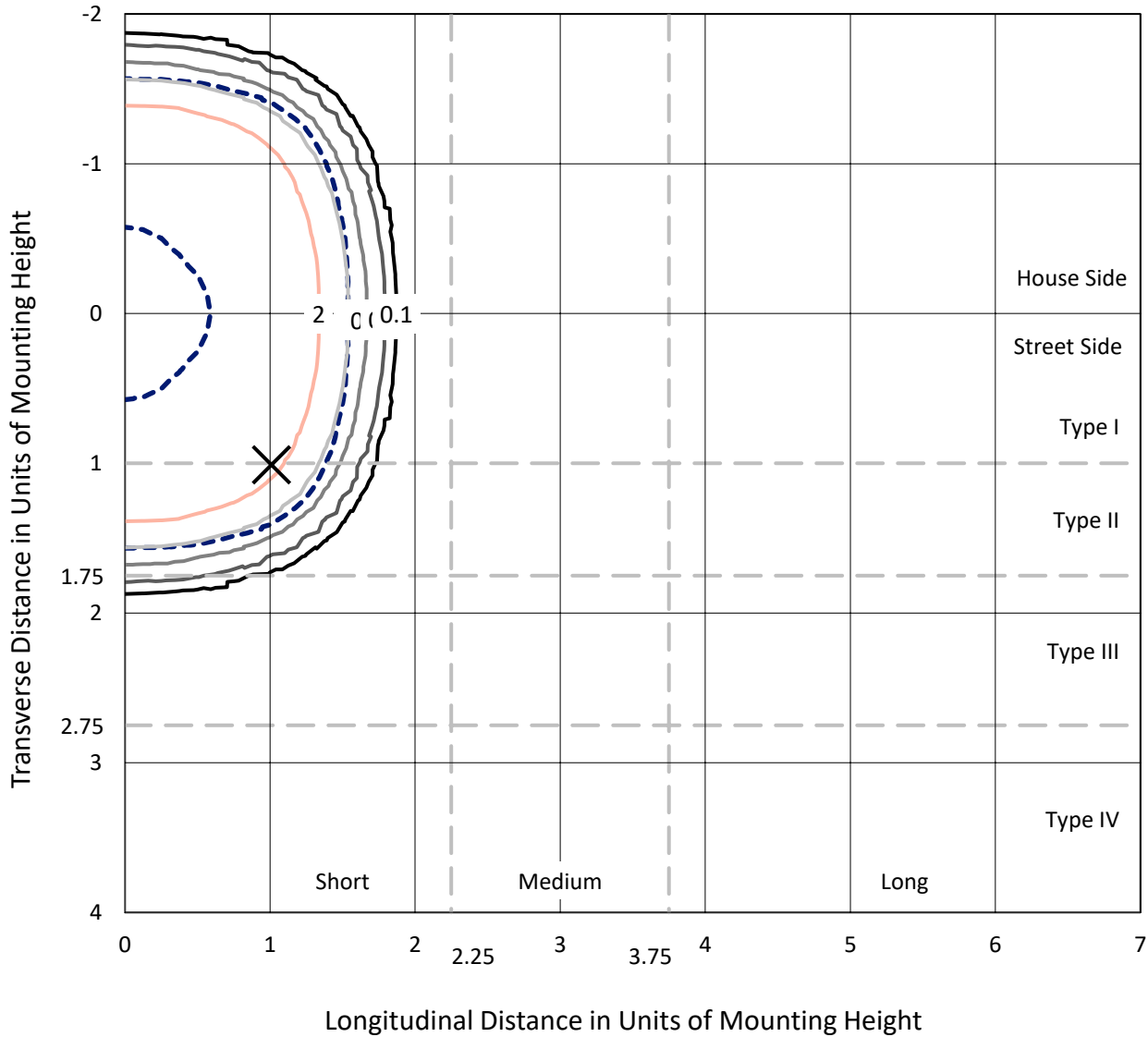
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633396
 CATALOG NUMBER: GWS-SA2E-760-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

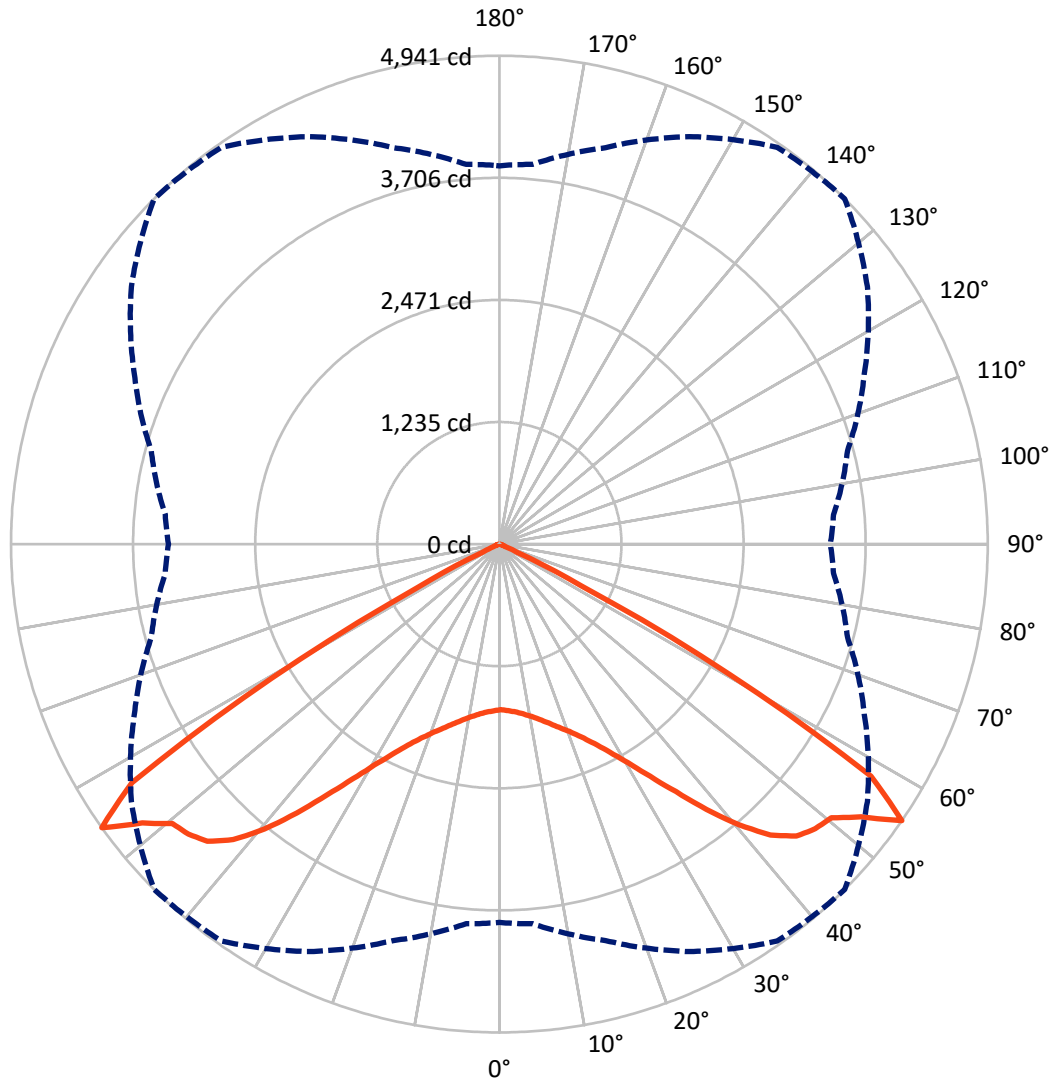
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P633396
CATALOG NUMBER: GWS-SA2E-760-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P633396

CATALOG NUMBER: GWS-SA2E-760-U-5NQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5179.4	0.0	5179.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5179.4	0.0	5179.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10358.8	0.0	10358.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	1.6
10°-20°	531.9	5.1
20°-30°	1030.1	9.9
30°-40°	1845.5	17.8
40°-50°	3094.2	29.9
50°-60°	3312.2	32.0
60°-70°	364.0	3.5
70°-80°	16.0	0.2
80°-90°	0.8	0.0
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°	10358.8	100.0
0°-180°	10358.8	100.0

Coefficient of Utilization



REPORT NUMBER: P633396

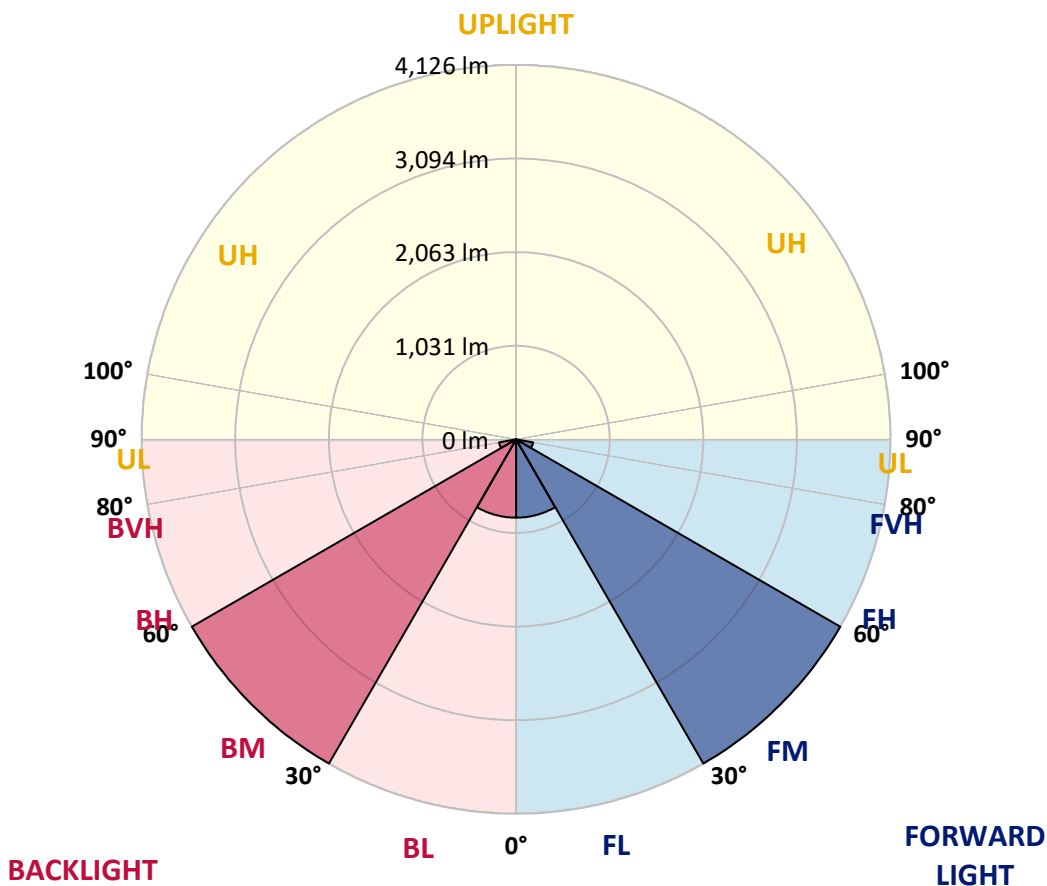
CATALOG NUMBER: GWS-SA2E-760-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.1	8.3			
FM (30°-60°)	4126.0	39.8			
FH (60°-80°)	190.0	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	863.1	8.3	B2/1000		
BM (30°-60°)	4126.0	39.8	B3/5000		
BH (60°-80°)	190.0	1.8	B1/500		G0/660
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P633396

CATALOG NUMBER: GWS-SA2E-760-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1671.7	1671.7	1675.9	1679.0	1679.0	1687.5	1684.3	1681.2	1681.2	1676.9	1685.4
5°	1695.9	1694.9	1699.1	1701.2	1697.0	1705.4	1700.1	1697.0	1694.9	1690.6	1699.1
7.5°	1722.3	1723.4	1724.4	1728.6	1726.5	1735.0	1730.8	1724.4	1722.3	1716.0	1724.4
10°	1754.0	1754.0	1756.1	1761.4	1762.4	1773.0	1768.7	1761.4	1755.0	1748.7	1757.1
12.5°	1794.1	1795.1	1798.3	1805.7	1809.9	1821.5	1815.2	1800.4	1790.9	1783.5	1793.0
15°	1852.1	1851.1	1855.3	1865.8	1871.1	1879.6	1870.1	1850.0	1838.4	1830.0	1836.3
17.5°	1915.4	1915.4	1917.5	1928.1	1935.5	1948.2	1936.5	1912.3	1901.7	1890.1	1896.4
20°	1985.1	1988.3	1990.4	1997.8	2010.4	2023.1	2013.6	1989.3	1977.7	1962.9	1970.3
22.5°	2076.9	2073.7	2074.8	2087.5	2105.4	2118.1	2110.7	2082.2	2062.1	2050.5	2054.7
25°	2179.3	2178.2	2181.4	2200.4	2220.4	2234.1	2223.6	2186.7	2166.6	2146.6	2155.0
27.5°	2304.9	2305.9	2308.0	2331.2	2362.9	2382.9	2356.6	2319.6	2292.2	2265.8	2272.1
30°	2453.7	2451.5	2457.9	2489.5	2536.0	2567.6	2537.0	2485.3	2446.3	2420.9	2424.1
32.5°	2612.0	2614.1	2631.0	2681.6	2742.8	2798.8	2736.5	2667.9	2617.2	2569.7	2576.1
35°	2782.9	2788.2	2826.2	2901.1	3001.4	3076.3	2989.8	2876.8	2805.1	2743.9	2746.0
37.5°	2984.5	2997.2	3049.9	3161.8	3305.3	3405.6	3278.9	3129.1	3036.2	2960.2	2954.9
40°	3249.4	3264.2	3335.9	3468.9	3643.0	3734.8	3588.1	3434.1	3319.0	3236.7	3224.1
42.5°	3553.3	3572.3	3650.4	3786.5	3960.7	4022.9	3879.4	3749.6	3646.2	3549.1	3544.9
45°	3896.3	3906.9	3970.2	4074.7	4200.2	4215.0	4107.4	4035.6	3931.1	3840.4	3833.0
47.5°	4218.2	4228.7	4272.0	4325.8	4355.4	4302.6	4283.6	4251.9	4116.9	4005.0	3981.8
50°	4463.0	4471.5	4525.3	4546.4	4464.1	4352.2	4389.1	4321.6	4174.9	4049.3	4013.4
52.5°	4446.1	4467.2	4605.5	4725.8	4674.1	4583.3	4484.1	4338.5	4110.5	3938.5	3894.2
55°	3827.7	3856.2	4152.7	4548.5	4902.0	4941.1	4544.3	4074.7	3646.2	3394.0	3348.6
57.5°	2460.0	2467.4	2829.4	3384.5	4181.2	4432.4	3768.6	3072.1	2539.1	2261.6	2242.6
60°	904.4	889.6	1163.0	1623.1	2408.3	2674.2	2218.3	1553.5	1108.1	911.8	896.0
62.5°	217.4	219.5	272.3	408.4	755.6	935.0	738.7	412.6	262.8	220.6	218.5
65°	109.8	107.6	108.7	117.1	161.5	193.1	158.3	111.9	107.6	108.7	107.6
67.5°	70.7	69.7	71.8	72.8	71.8	67.5	66.5	68.6	68.6	69.7	67.5
70°	43.3	42.2	44.3	47.5	45.4	40.1	42.2	44.3	42.2	41.2	41.2
72.5°	23.2	23.2	25.3	27.4	25.3	23.2	23.2	24.3	23.2	23.2	23.2
75°	10.6	10.6	11.6	12.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	3.2	3.2	4.2	4.2	3.2	3.2	3.2	3.2	4.2	4.2	4.2
80°	1.1	2.1	2.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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)