

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: P634881

Luminaire Tested: GWS-SA3C-760-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634881
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-SA3C-760-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9903.3 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

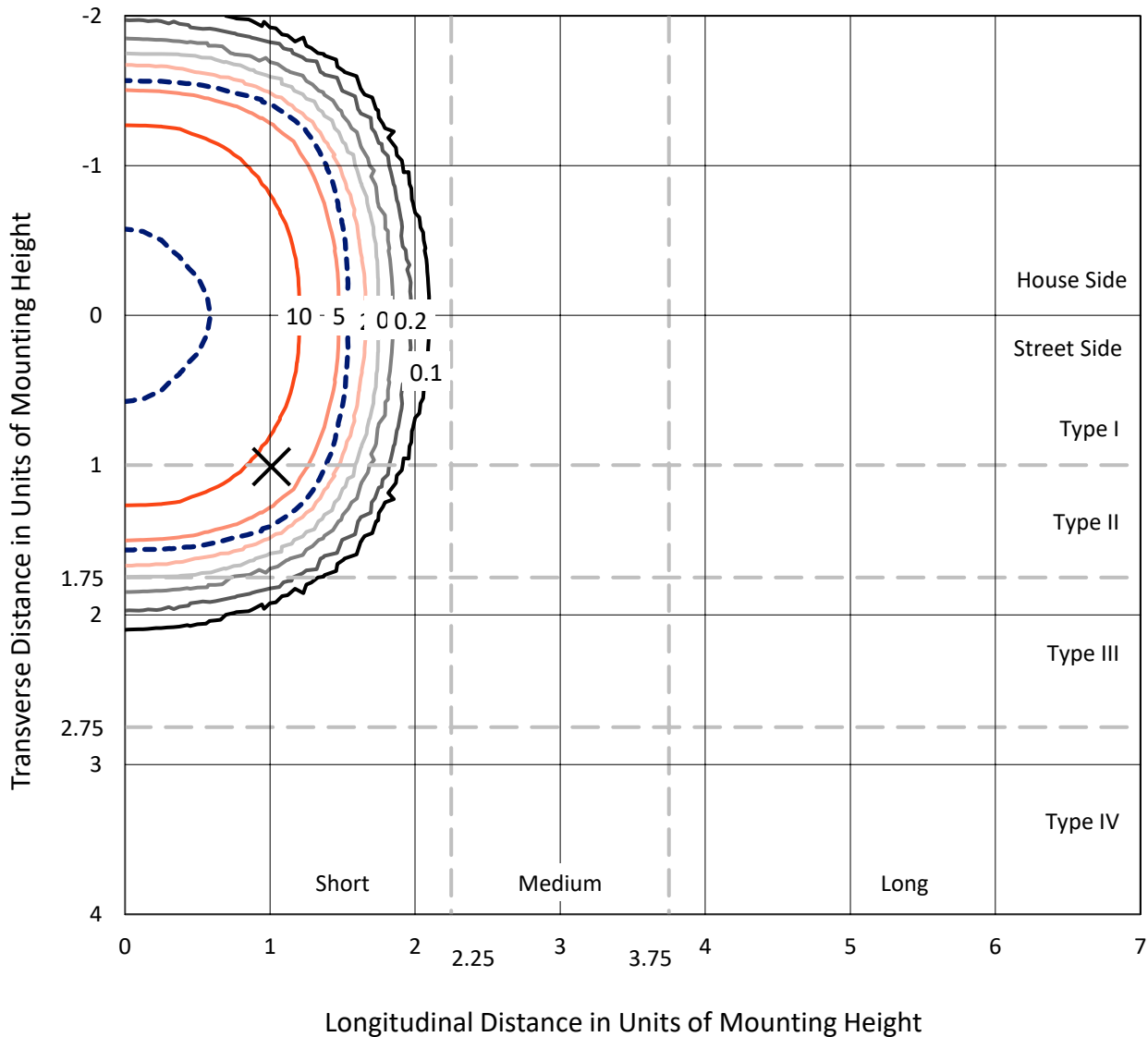
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

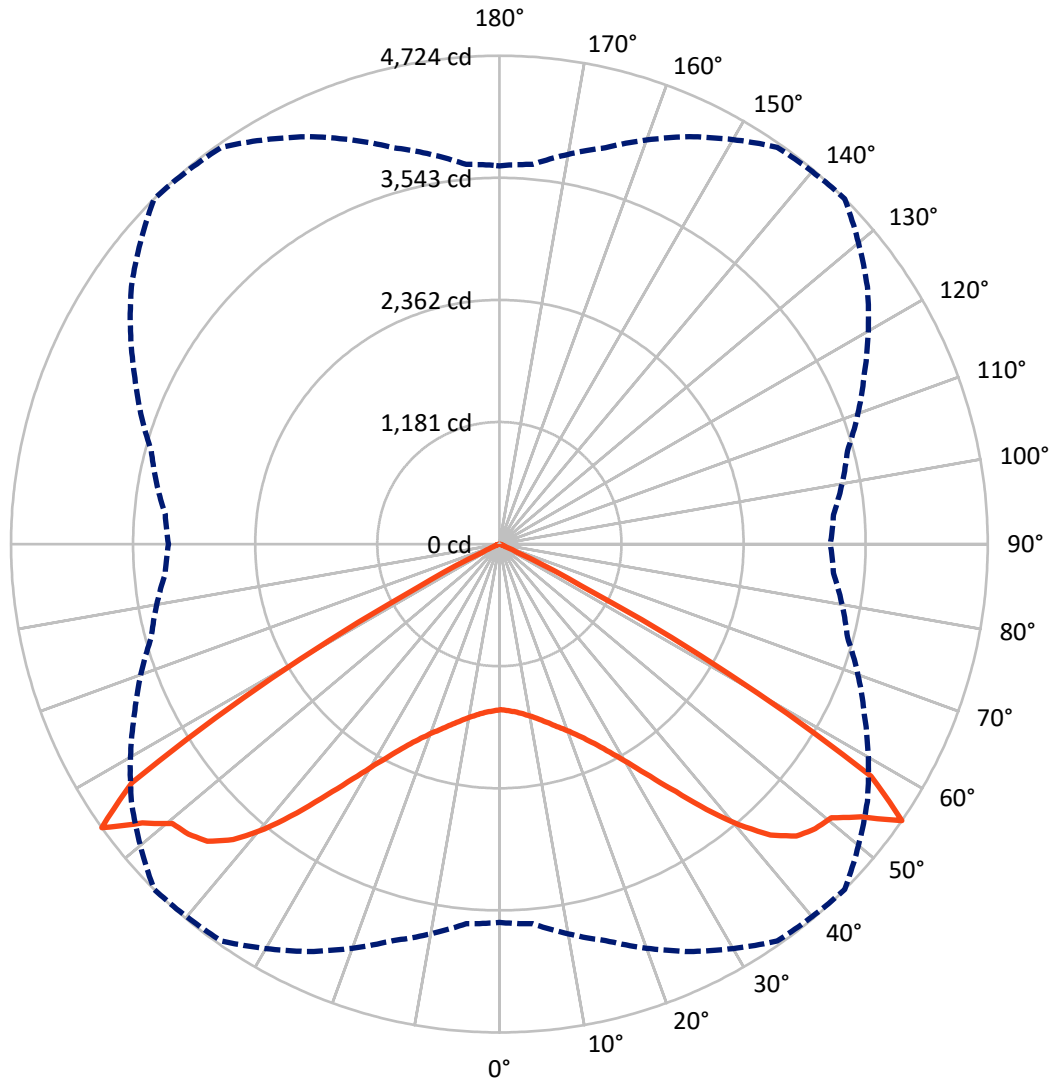
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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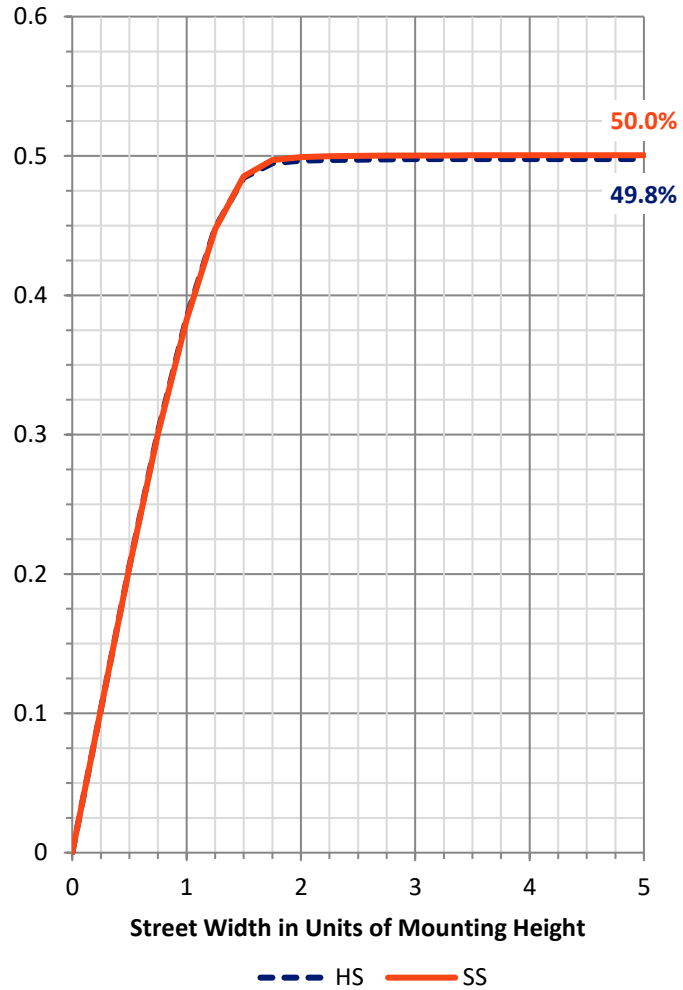
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4951.6	0.0	4951.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4951.6	0.0	4951.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9903.3	0.0	9903.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.9	1.6
10°-20°	508.5	5.1
20°-30°	984.8	9.9
30°-40°	1764.4	17.8
40°-50°	2958.1	29.9
50°-60°	3166.5	32.0
60°-70°	348.0	3.5
70°-80°	15.3	0.2
80°-90°	0.7	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°	9903.3	100.0
0°-180°	9903.3	100.0

Coefficient of Utilization



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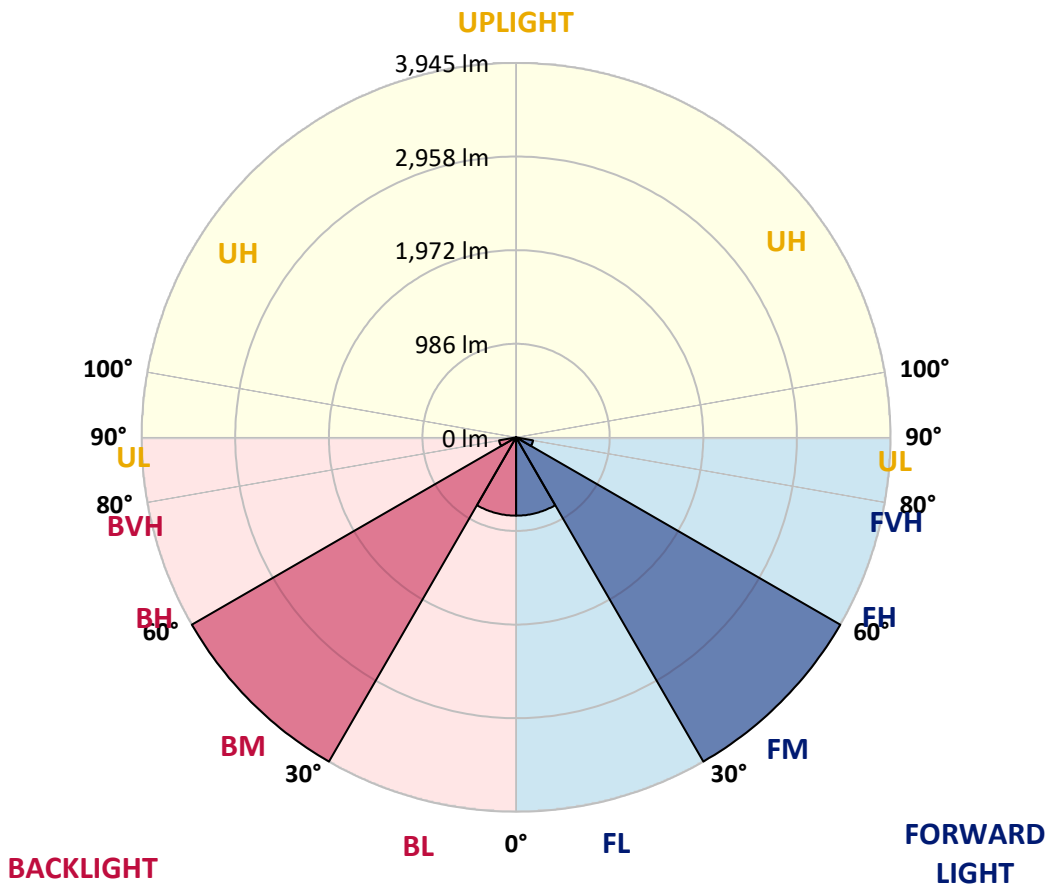
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	825.1	8.3			
FM (30°-60°)	3944.5	39.8			
FH (60°-80°)	181.6	1.8			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	825.1	8.3	B2/1000		
BM (30°-60°)	3944.5	39.8	B3/5000		
BH (60°-80°)	181.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2	1601.2
2.5°	1598.1	1598.1	1602.2	1605.2	1605.2	1613.3	1610.3	1607.2	1607.2	1603.2	1611.3
5°	1621.4	1620.3	1624.4	1626.4	1622.4	1630.4	1625.4	1622.4	1620.3	1616.3	1624.4
7.5°	1646.6	1647.6	1648.6	1652.6	1650.6	1658.7	1654.6	1648.6	1646.6	1640.5	1648.6
10°	1676.8	1676.8	1678.9	1683.9	1684.9	1695.0	1691.0	1683.9	1677.9	1671.8	1679.9
12.5°	1715.2	1716.2	1719.2	1726.3	1730.3	1741.4	1735.4	1721.2	1712.2	1705.1	1714.2
15°	1770.7	1769.7	1773.7	1783.8	1788.8	1796.9	1787.8	1768.7	1757.6	1749.5	1755.5
17.5°	1831.2	1831.2	1833.2	1843.3	1850.4	1862.5	1851.4	1828.2	1818.1	1807.0	1813.0
20°	1897.8	1900.8	1902.8	1909.9	1922.0	1934.1	1925.0	1901.8	1890.7	1876.6	1883.7
22.5°	1985.6	1982.5	1983.6	1995.7	2012.8	2024.9	2017.9	1990.6	1971.5	1960.4	1964.4
25°	2083.4	2082.4	2085.5	2103.6	2122.8	2135.9	2125.8	2090.5	2071.3	2052.2	2060.2
27.5°	2203.5	2204.5	2206.5	2228.7	2259.0	2278.2	2252.9	2217.6	2191.4	2166.2	2172.2
30°	2345.8	2343.7	2349.8	2380.1	2424.5	2454.7	2425.5	2376.0	2338.7	2314.5	2317.5
32.5°	2497.1	2499.1	2515.3	2563.7	2622.2	2675.7	2616.2	2550.6	2502.1	2456.7	2462.8
35°	2660.5	2665.6	2701.9	2773.6	2869.4	2941.0	2858.3	2750.3	2681.7	2623.2	2625.2
37.5°	2853.3	2865.4	2915.8	3022.8	3160.0	3255.8	3134.7	2991.5	2902.7	2830.1	2825.0
40°	3106.5	3120.6	3189.2	3316.4	3482.8	3570.6	3430.4	3283.1	3173.1	3094.4	3082.3
42.5°	3397.1	3415.2	3489.9	3620.0	3786.5	3846.0	3708.8	3584.7	3485.9	3393.0	3389.0
45°	3725.0	3735.1	3795.6	3895.5	4015.5	4029.7	3926.8	3858.2	3758.3	3671.5	3664.4
47.5°	4032.7	4042.8	4084.2	4135.6	4163.9	4113.4	4095.2	4065.0	3935.8	3828.9	3806.7
50°	4266.8	4274.8	4326.3	4346.5	4267.8	4160.8	4196.1	4131.6	3991.3	3871.3	3837.0
52.5°	4250.6	4270.8	4403.0	4518.0	4468.6	4381.8	4286.9	4147.7	3929.8	3765.3	3723.0
55°	3659.4	3686.6	3970.1	4348.5	4686.5	4723.8	4344.5	3895.5	3485.9	3244.7	3201.3
57.5°	2351.8	2358.9	2704.9	3235.6	3997.4	4237.5	3602.9	2937.0	2427.5	2162.1	2144.0
60°	864.7	850.5	1111.8	1551.7	2302.4	2556.6	2120.8	1485.1	1059.4	871.7	856.6
62.5°	207.8	209.9	260.3	390.5	722.4	893.9	706.3	394.5	251.2	210.9	208.8
65°	104.9	102.9	103.9	112.0	154.4	184.6	151.3	106.9	102.9	103.9	102.9
67.5°	67.6	66.6	68.6	69.6	68.6	64.6	63.6	65.6	65.6	66.6	64.6
70°	41.4	40.4	42.4	45.4	43.4	38.3	40.4	42.4	40.4	39.3	39.3
72.5°	22.2	22.2	24.2	26.2	24.2	22.2	22.2	23.2	22.2	22.2	22.2
75°	10.1	10.1	11.1	12.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
77.5°	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
80°	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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)