

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: P635538

Luminaire Tested: GWS-SA3E-722-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9897.3 lumens
Efficiency: N/A
Efficacy: 62.2 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): 159.2
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

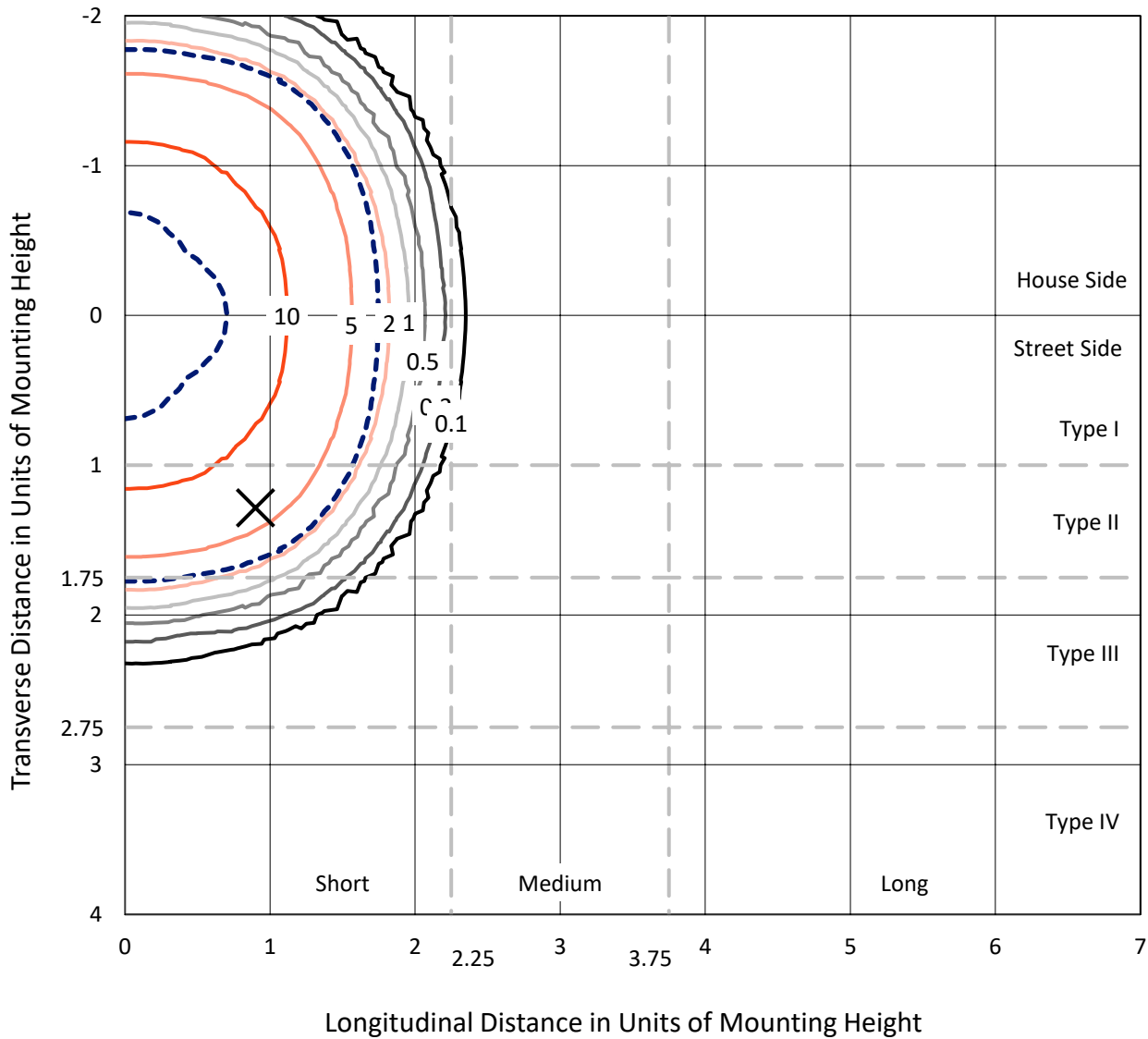


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Iso-Footcandle Lines of Horizontal Illumination

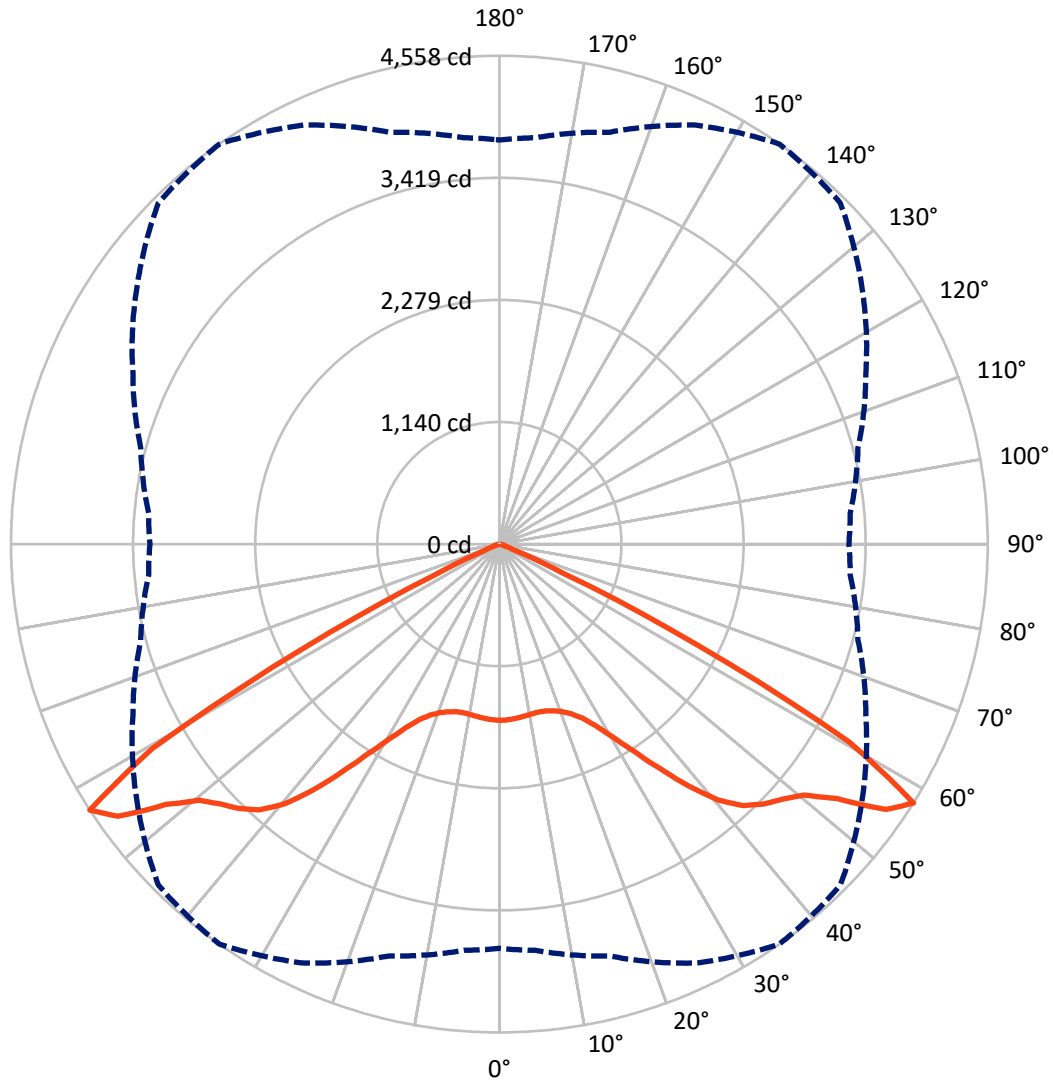
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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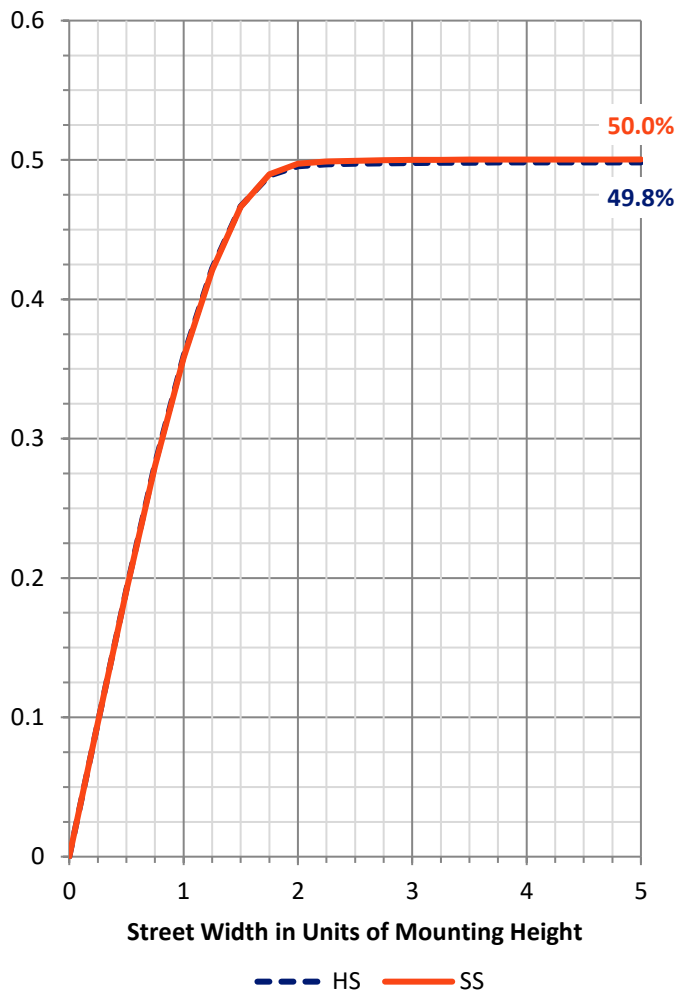
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4948.7	0.0	4948.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4948.7	0.0	4948.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9897.3	0.0	9897.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	1.6
10°-20°	456.0	4.6
20°-30°	824.3	8.3
30°-40°	1537.8	15.5
40°-50°	2579.7	26.1
50°-60°	3406.8	34.4
60°-70°	904.8	9.1
70°-80°	32.1	0.3
80°-90°	0.6	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°	9897.3	100.0
0°-180°	9897.3	100.0

Coefficient of Utilization



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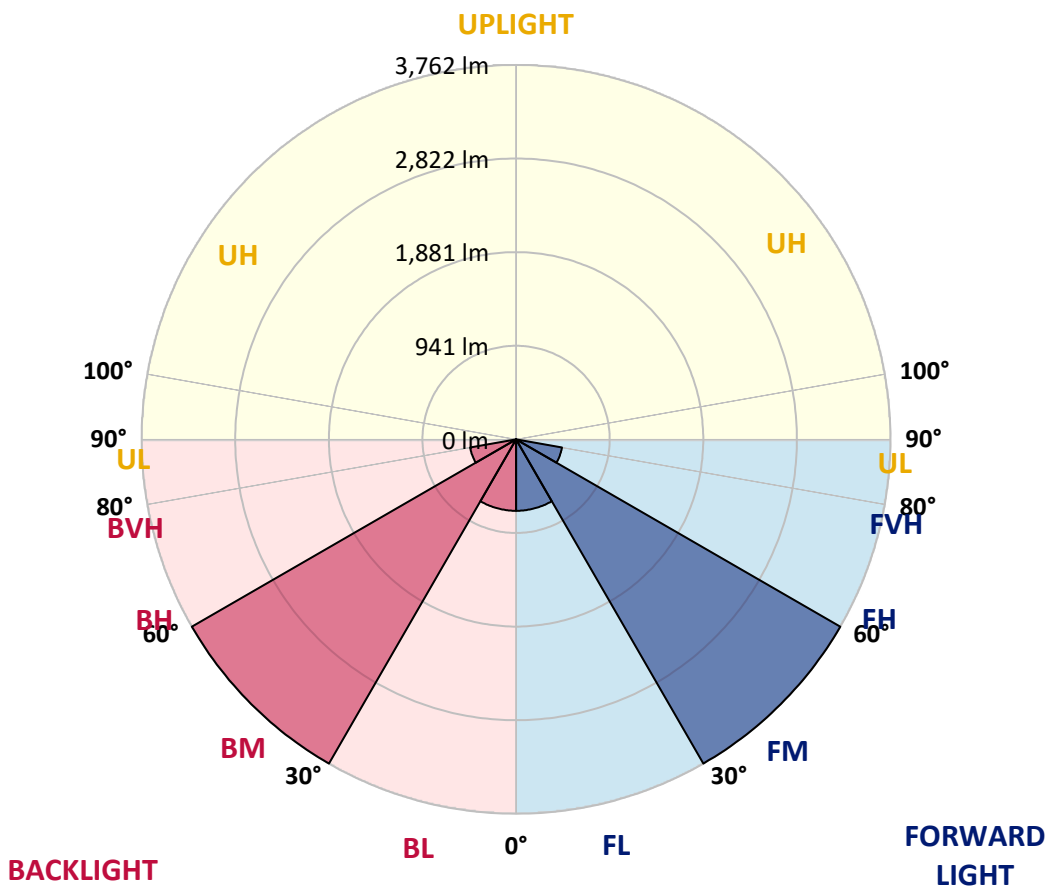
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	717.7	7.3			
FM (30°-60°)	3762.2	38.0			
FH (60°-80°)	468.5	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	717.7	7.3	B2/1000		
BM (30°-60°)	3762.2	38.0	B3/5000		
BH (60°-80°)	468.5	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5	1645.5
2.5°	1633.9	1632.7	1637.4	1640.9	1640.9	1649.0	1646.7	1644.4	1642.0	1638.5	1646.7
5°	1631.6	1630.4	1633.9	1636.2	1633.9	1640.9	1636.2	1631.6	1629.3	1624.6	1633.9
7.5°	1621.1	1622.3	1624.6	1626.9	1623.5	1629.3	1623.5	1616.5	1610.7	1606.0	1614.2
10°	1604.9	1606.0	1608.4	1613.0	1614.2	1622.3	1614.2	1601.4	1593.3	1586.3	1594.4
12.5°	1596.7	1597.9	1601.4	1607.2	1608.4	1618.8	1608.4	1589.8	1578.2	1570.0	1578.2
15°	1599.1	1601.4	1606.0	1613.0	1615.3	1625.8	1611.8	1587.5	1571.2	1560.7	1567.7
17.5°	1607.2	1609.5	1616.5	1628.1	1636.2	1646.7	1629.3	1597.9	1575.8	1560.7	1567.7
20°	1617.6	1621.1	1632.7	1651.3	1668.7	1687.3	1665.3	1622.3	1593.3	1574.7	1580.5
22.5°	1646.7	1650.2	1666.4	1690.8	1719.8	1743.1	1716.4	1661.8	1622.3	1597.9	1603.7
25°	1705.9	1709.4	1730.3	1761.6	1798.8	1829.0	1795.3	1726.8	1675.7	1647.8	1650.2
27.5°	1798.8	1802.3	1826.7	1870.8	1920.7	1963.7	1914.9	1834.8	1776.7	1744.2	1744.2
30°	1916.1	1920.7	1953.3	2012.5	2090.3	2147.2	2081.0	1983.4	1909.1	1865.0	1866.2
32.5°	2067.1	2062.4	2108.9	2190.1	2300.5	2376.0	2278.4	2160.0	2068.2	2006.7	2012.5
35°	2261.0	2259.8	2312.1	2422.4	2566.4	2657.0	2540.9	2387.6	2277.2	2214.5	2215.7
37.5°	2510.7	2509.5	2569.9	2689.5	2862.5	2938.0	2807.9	2652.3	2533.9	2473.5	2480.5
40°	2803.3	2796.3	2849.7	2964.7	3137.7	3186.5	3044.8	2919.4	2805.6	2767.3	2785.9
42.5°	3082.0	3066.9	3098.3	3202.8	3336.3	3343.3	3236.5	3150.5	3072.7	3042.5	3054.1
45°	3306.1	3294.5	3323.5	3383.9	3460.6	3425.7	3374.6	3347.9	3285.2	3252.7	3263.2
47.5°	3473.3	3473.3	3508.2	3545.3	3557.0	3493.1	3501.2	3501.2	3438.5	3387.4	3374.6
50°	3617.3	3627.8	3680.1	3718.4	3680.1	3598.8	3645.2	3635.9	3508.2	3406.0	3379.3
52.5°	3847.3	3857.7	3937.9	3990.1	3947.1	3867.0	3872.8	3756.7	3568.6	3447.8	3406.0
55°	4091.1	4116.7	4232.8	4372.2	4373.3	4290.9	4137.6	3932.0	3703.3	3572.1	3529.1
57.5°	3771.8	3806.6	3979.7	4315.3	4558.0	4501.1	4135.3	3774.1	3465.2	3286.4	3262.0
60°	2595.4	2655.8	2828.8	3287.5	3755.5	3777.6	3345.6	2940.3	2586.1	2365.5	2370.1
62.5°	1096.2	1157.8	1255.3	1632.7	2062.4	2089.1	1880.1	1589.8	1300.6	1141.5	1165.9
65°	257.8	275.2	304.3	451.7	655.0	685.1	631.7	492.4	363.5	307.7	313.5
67.5°	112.6	115.0	109.2	116.1	144.0	147.5	142.8	125.4	118.4	120.8	120.8
70°	79.0	80.1	75.5	72.0	68.5	63.9	66.2	73.2	79.0	83.6	82.4
72.5°	48.8	49.9	51.1	51.1	47.6	43.0	45.3	49.9	51.1	52.3	51.1
75°	24.4	25.5	27.9	29.0	27.9	26.7	26.7	27.9	27.9	26.7	26.7
77.5°	4.6	5.8	8.1	9.3	9.3	9.3	9.3	9.3	10.5	9.3	9.3
80°	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
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)