

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: P635263

Luminaire Tested: GWS-SA3D-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635263
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-SA3D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10752.3 lumens
Efficiency: N/A
Efficacy: 89.0 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

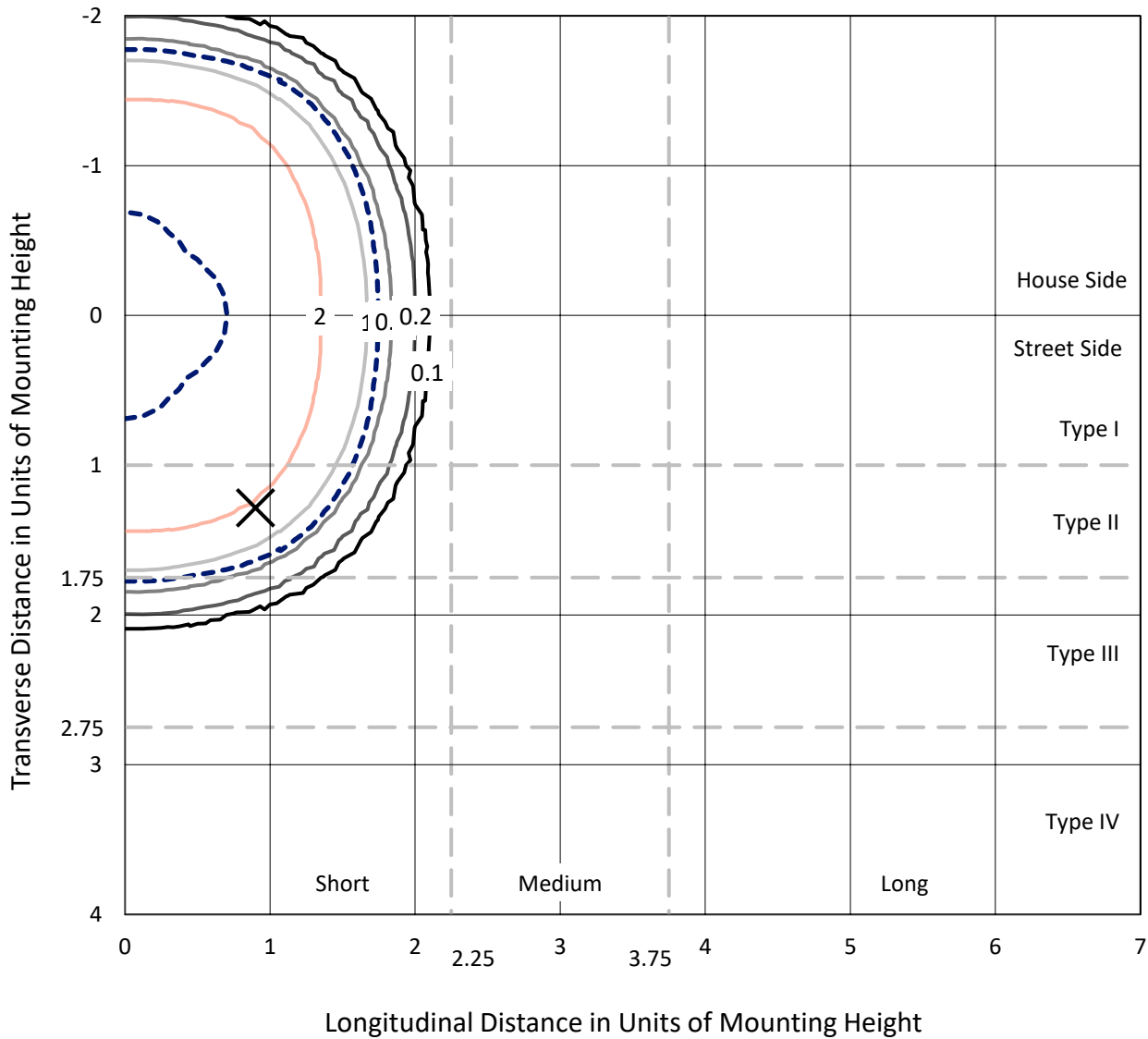
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

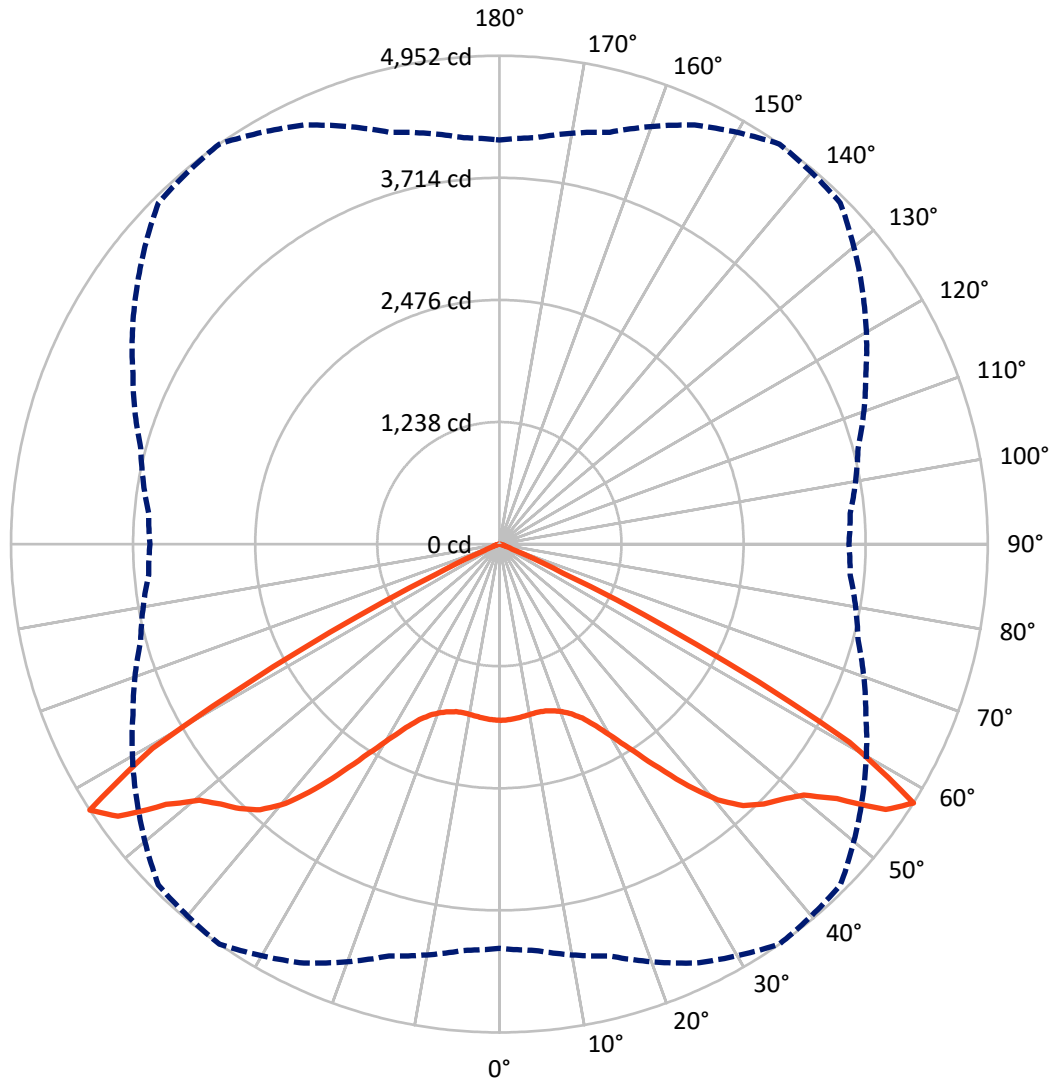
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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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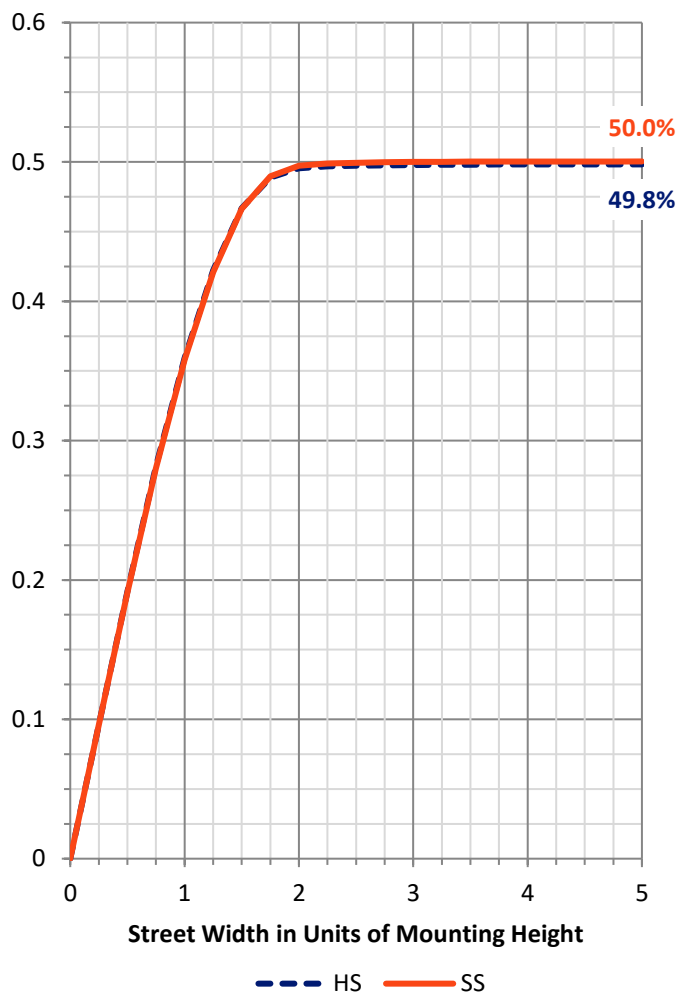
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5376.2	0.0	5376.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5376.2	0.0	5376.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10752.3	0.0	10752.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	1.6
10°-20°	495.4	4.6
20°-30°	895.5	8.3
30°-40°	1670.7	15.5
40°-50°	2802.6	26.1
50°-60°	3701.1	34.4
60°-70°	982.9	9.1
70°-80°	34.9	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°	10752.3	100.0
0°-180°	10752.3	100.0

Coefficient of Utilization



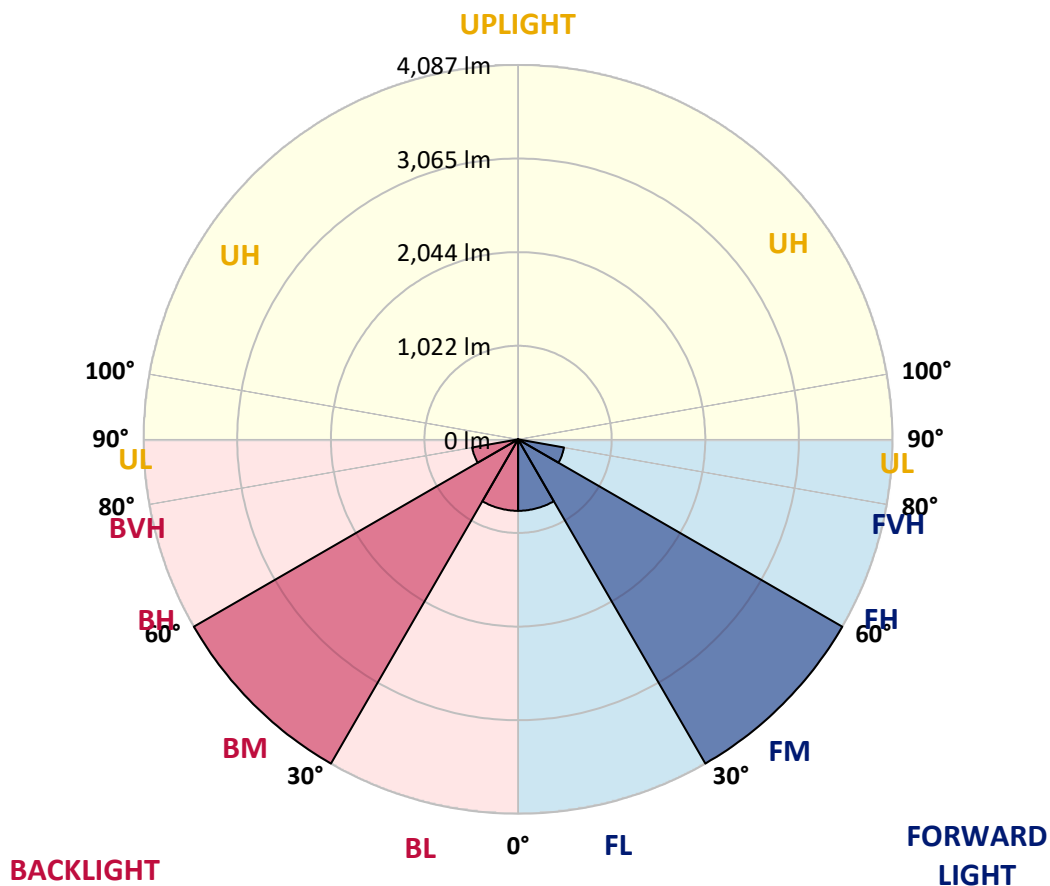
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	779.7	7.3			
FM (30°-60°)	4087.2	38.0			
FH (60°-80°)	508.9	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	779.7	7.3	B2/1000		
BM (30°-60°)	4087.2	38.0	B3/5000		
BH (60°-80°)	508.9	4.7	B2/1000		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°	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7	1787.7
2.5°	1775.1	1773.8	1778.8	1782.6	1782.6	1791.5	1788.9	1786.4	1783.9	1780.1	1788.9
5°	1772.5	1771.3	1775.1	1777.6	1775.1	1782.6	1777.6	1772.5	1770.0	1765.0	1775.1
7.5°	1761.2	1762.4	1765.0	1767.5	1763.7	1770.0	1763.7	1756.1	1749.8	1744.8	1753.6
10°	1743.5	1744.8	1747.3	1752.3	1753.6	1762.4	1753.6	1739.7	1730.9	1723.3	1732.2
12.5°	1734.7	1735.9	1739.7	1746.0	1747.3	1758.7	1747.3	1727.1	1714.5	1705.7	1714.5
15°	1737.2	1739.7	1744.8	1752.3	1754.9	1766.2	1751.1	1724.6	1706.9	1695.6	1703.1
17.5°	1746.0	1748.6	1756.1	1768.7	1777.6	1788.9	1770.0	1735.9	1712.0	1695.6	1703.1
20°	1757.4	1761.2	1773.8	1794.0	1812.9	1833.1	1809.1	1762.4	1730.9	1710.7	1717.0
22.5°	1788.9	1792.7	1810.4	1836.9	1868.4	1893.6	1864.6	1805.3	1762.4	1735.9	1742.2
25°	1853.3	1857.1	1879.8	1913.8	1954.2	1987.0	1950.4	1876.0	1820.5	1790.2	1792.7
27.5°	1954.2	1958.0	1984.5	2032.4	2086.7	2133.3	2080.4	1993.3	1930.2	1894.9	1894.9
30°	2081.6	2086.7	2122.0	2186.3	2270.9	2332.7	2260.8	2154.8	2074.0	2026.1	2027.4
32.5°	2245.6	2240.6	2291.0	2379.4	2499.2	2581.2	2475.2	2346.5	2246.9	2180.0	2186.3
35°	2456.3	2455.0	2511.8	2631.7	2788.1	2886.5	2760.3	2593.8	2474.0	2405.8	2407.1
37.5°	2727.5	2726.3	2791.9	2921.8	3109.8	3191.8	3050.5	2881.5	2752.8	2687.2	2694.7
40°	3045.5	3037.9	3095.9	3220.8	3408.8	3461.8	3307.9	3171.6	3048.0	3006.4	3026.5
42.5°	3348.2	3331.8	3365.9	3479.5	3624.5	3632.1	3516.0	3422.7	3338.2	3305.4	3318.0
45°	3591.7	3579.1	3610.7	3676.3	3759.5	3721.7	3666.2	3637.2	3569.0	3533.7	3545.1
47.5°	3773.4	3773.4	3811.2	3851.6	3864.2	3794.8	3803.7	3803.7	3735.6	3680.0	3666.2
50°	3929.8	3941.2	3998.0	4039.6	3998.0	3909.7	3960.1	3950.0	3811.2	3700.2	3671.2
52.5°	4179.6	4191.0	4278.0	4334.8	4288.1	4201.1	4207.4	4081.2	3876.9	3745.6	3700.2
55°	4444.6	4472.3	4598.5	4749.9	4751.1	4661.6	4495.0	4271.7	4023.2	3880.6	3834.0
57.5°	4097.6	4135.5	4323.5	4688.1	4951.7	4889.9	4492.5	4100.2	3764.6	3570.3	3543.8
60°	2819.6	2885.2	3073.2	3571.5	4080.0	4103.9	3634.6	3194.3	2809.6	2569.8	2574.9
62.5°	1190.9	1257.8	1363.8	1773.8	2240.6	2269.6	2042.5	1727.1	1413.0	1240.1	1266.6
65°	280.1	299.0	330.5	490.8	711.5	744.3	686.3	534.9	394.9	334.3	340.6
67.5°	122.4	124.9	118.6	126.2	156.4	160.2	155.2	136.3	128.7	131.2	131.2
70°	85.8	87.0	82.0	78.2	74.4	69.4	71.9	79.5	85.8	90.8	89.6
72.5°	53.0	54.2	55.5	55.5	51.7	46.7	49.2	54.2	55.5	56.8	55.5
75°	26.5	27.8	30.3	31.5	30.3	29.0	29.0	30.3	30.3	29.0	29.0
77.5°	5.0	6.3	8.8	10.1	10.1	10.1	10.1	10.1	11.4	10.1	10.1
80°	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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)