

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: P633069

Luminaire Tested: GWS-SA2E-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5656 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

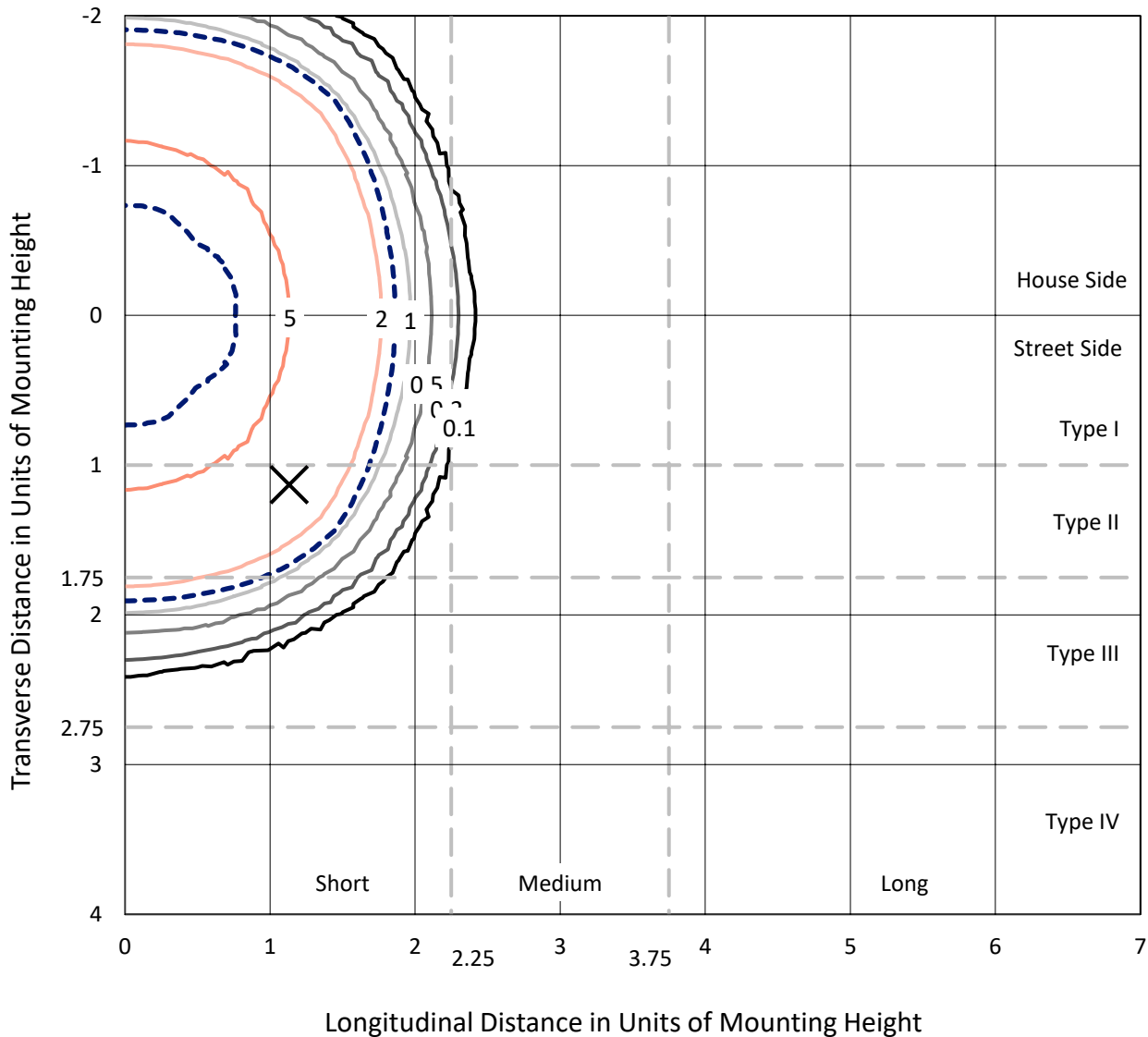
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

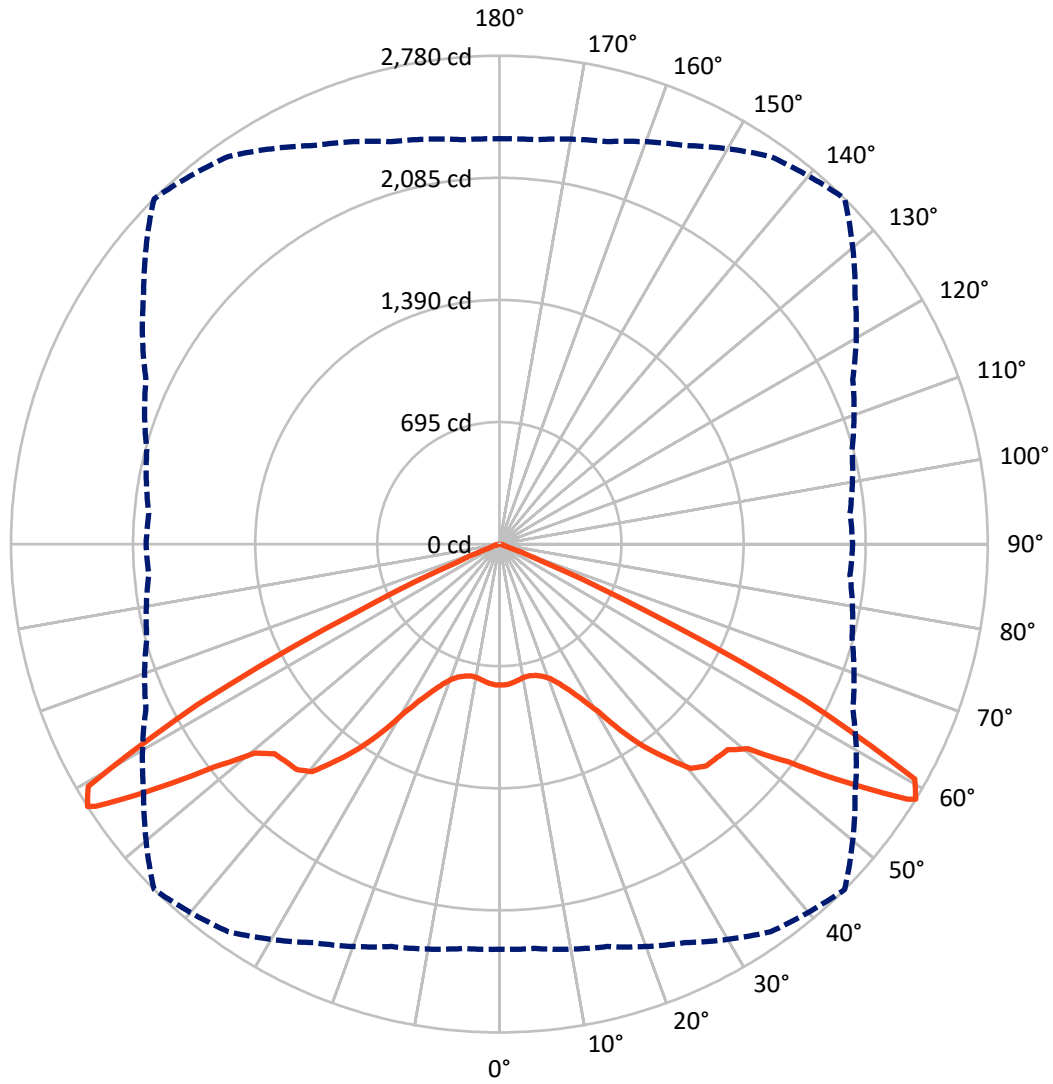
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2828.0	0.0	2828.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2828.0	0.0	2828.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5656.0	0.0	5656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.3
10°-20°	221.4	3.9
20°-30°	418.8	7.4
30°-40°	826.0	14.6
40°-50°	1307.1	23.1
50°-60°	1921.3	34.0
60°-70°	857.6	15.2
70°-80°	28.7	0.5
80°-90°	0.2	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°	5656.0	100.0
0°-180°	5656.0	100.0

Coefficient of Utilization



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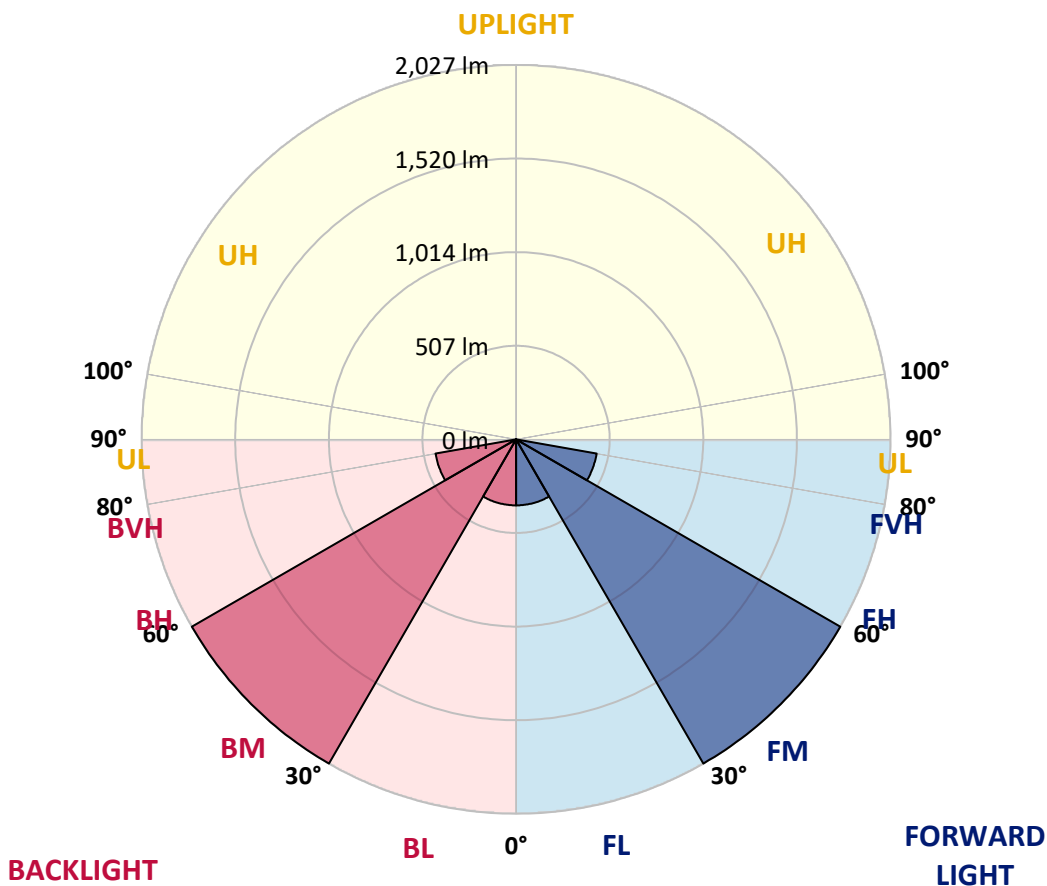
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.5	6.3			
FM (30°-60°)	2027.2	35.8			
FH (60°-80°)	443.2	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	357.5	6.3	B1/500		
BM (30°-60°)	2027.2	35.8	B2/2500		
BH (60°-80°)	443.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	802.1	802.1	802.1	802.1	802.1	802.1	802.1	802.1	802.1	802.1	802.1
2.5°	794.4	795.9	797.5	798.2	799.0	801.3	802.1	799.8	799.8	795.2	800.6
5°	790.5	792.1	793.6	792.9	792.9	792.9	792.1	789.0	788.2	783.6	789.0
7.5°	783.6	785.1	785.1	782.8	781.3	781.3	780.5	776.7	775.9	771.3	776.7
10°	778.2	779.0	778.2	773.6	770.5	770.5	769.7	768.2	769.0	765.9	770.5
12.5°	781.3	782.1	779.0	772.8	769.0	768.2	765.9	763.6	765.9	765.1	769.7
15°	791.3	792.1	786.7	779.0	775.9	775.9	769.7	763.6	766.7	767.4	772.8
17.5°	803.6	803.6	796.7	789.8	790.5	790.5	780.5	769.7	770.5	773.6	779.0
20°	818.3	818.3	811.3	809.8	815.2	816.0	803.6	786.7	782.8	785.1	791.3
22.5°	844.5	844.5	839.1	842.9	855.3	859.1	840.6	816.7	807.5	809.0	815.2
25°	885.3	885.3	883.8	893.0	910.7	919.2	894.6	863.0	847.6	845.2	852.2
27.5°	953.9	954.7	952.3	966.2	988.6	998.6	964.7	923.1	904.6	900.7	907.7
30°	1042.5	1042.5	1043.3	1062.5	1091.8	1104.9	1060.2	1011.7	990.1	977.8	987.0
32.5°	1141.1	1142.7	1150.4	1182.7	1234.3	1261.3	1195.8	1128.0	1093.3	1080.2	1090.3
35°	1303.7	1289.1	1279.8	1303.7	1378.4	1413.9	1329.9	1250.5	1224.3	1222.8	1248.2
37.5°	1464.7	1456.3	1437.0	1461.6	1528.7	1544.9	1452.4	1386.1	1367.6	1377.7	1403.1
40°	1592.6	1577.2	1551.8	1574.9	1662.8	1678.9	1564.9	1499.4	1492.5	1514.8	1549.5
42.5°	1693.6	1672.0	1638.1	1643.5	1714.4	1725.9	1625.0	1575.7	1580.3	1608.0	1647.3
45°	1739.0	1722.1	1692.0	1689.7	1734.4	1735.2	1655.8	1630.4	1642.7	1664.3	1695.1
47.5°	1758.3	1750.6	1733.6	1729.8	1755.2	1749.0	1699.7	1688.9	1700.5	1706.7	1724.4
50°	1806.1	1806.1	1808.4	1811.5	1837.7	1831.5	1796.8	1784.5	1769.9	1748.3	1753.7
52.5°	1940.1	1945.5	1967.9	1992.5	2040.3	2060.3	2004.1	1932.4	1862.3	1815.3	1815.3
55°	2182.1	2187.5	2213.7	2255.3	2343.1	2390.9	2259.9	2101.9	2005.6	1941.7	1950.1
57.5°	2315.4	2321.5	2375.5	2488.0	2658.2	2739.1	2457.9	2223.7	2088.8	2015.6	2021.8
58°	2306.9	2310.7	2371.6	2503.4	2692.9	2780.0	2471.8	2219.8	2078.1	2003.3	2011.0
60°	2049.5	2044.2	2141.2	2329.2	2596.6	2716.8	2333.9	2026.4	1861.5	1785.3	1789.1
62.5°	1339.9	1343.0	1427.0	1623.5	1831.5	1944.8	1630.4	1401.5	1269.0	1222.8	1211.2
65°	559.4	549.4	601.0	710.4	835.2	898.4	772.0	653.4	571.7	540.9	549.4
67.5°	144.1	140.2	143.3	179.5	219.6	259.7	218.1	166.4	144.9	146.4	146.4
70°	81.7	77.1	62.4	57.8	56.2	56.2	56.2	56.2	64.7	76.3	78.6
72.5°	61.6	57.8	45.5	39.3	34.7	32.4	33.9	39.3	47.0	57.0	58.6
75°	30.8	30.8	27.7	26.2	23.1	21.6	22.3	24.7	28.5	32.4	31.6
77.5°	6.2	6.9	7.7	9.2	7.7	7.7	7.7	9.2	9.2	10.0	9.2
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)