

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: P631358

Luminaire Tested: GWS-SA1F-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631358
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-SA1F-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5265.5 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

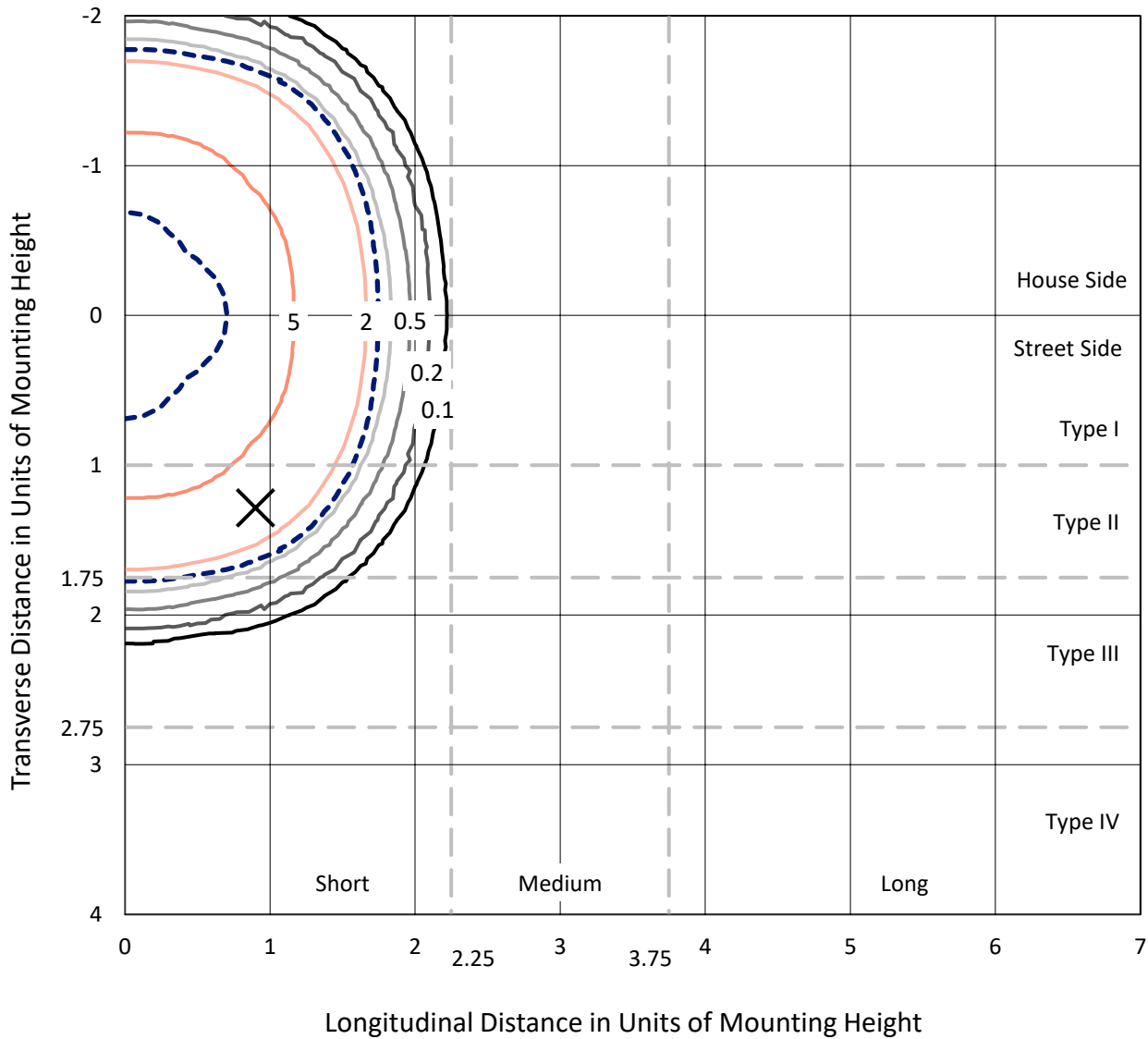
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

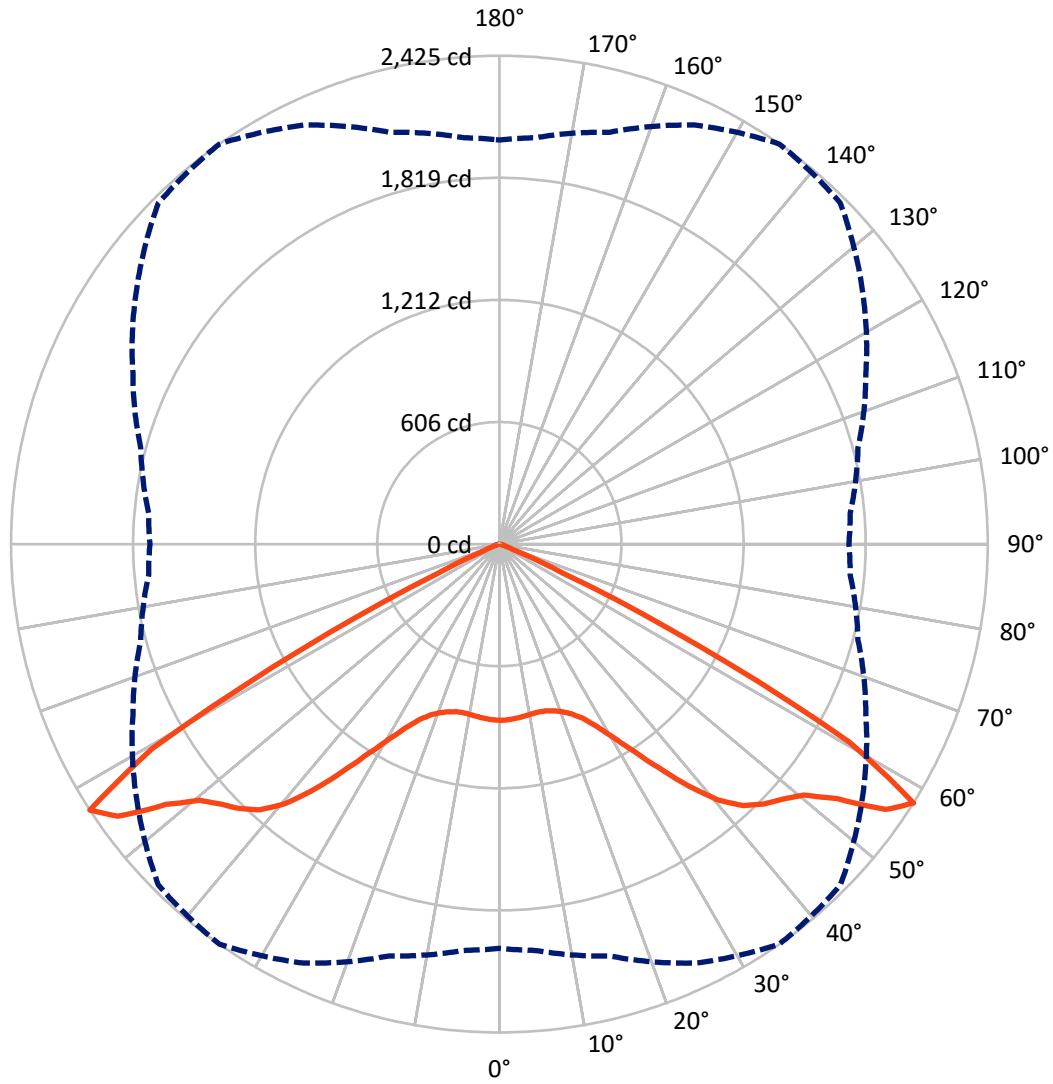
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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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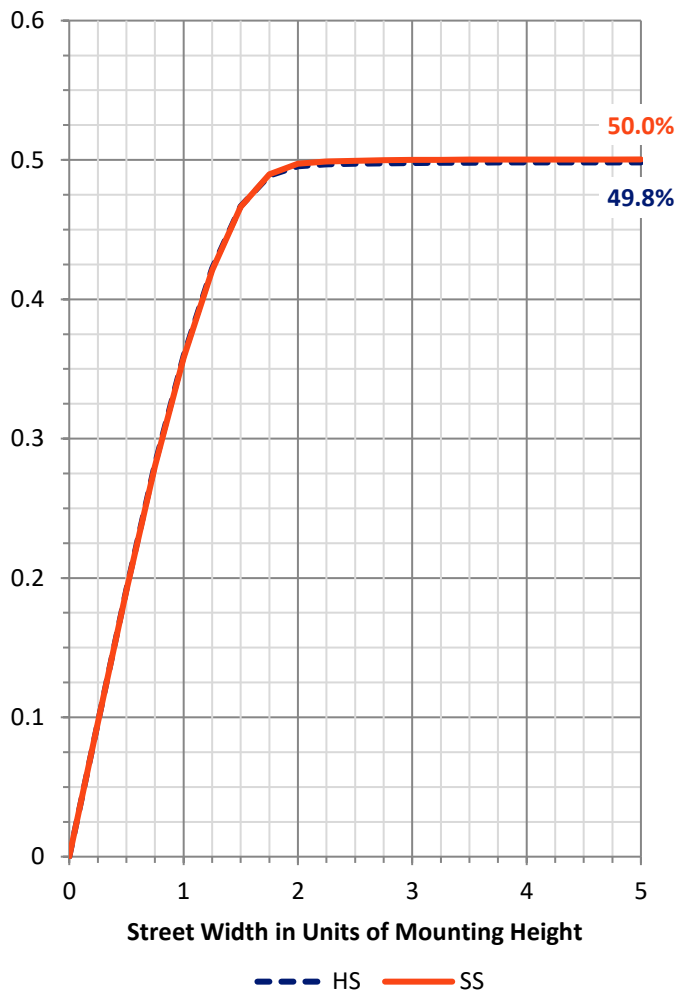
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2632.7	0.0	2632.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2632.7	0.0	2632.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5265.5	0.0	5265.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.6
10°-20°	242.6	4.6
20°-30°	438.5	8.3
30°-40°	818.2	15.5
40°-50°	1372.5	26.1
50°-60°	1812.5	34.4
60°-70°	481.4	9.1
70°-80°	17.1	0.3
80°-90°	0.3	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°	5265.5	100.0
0°-180°	5265.5	100.0

Coefficient of Utilization



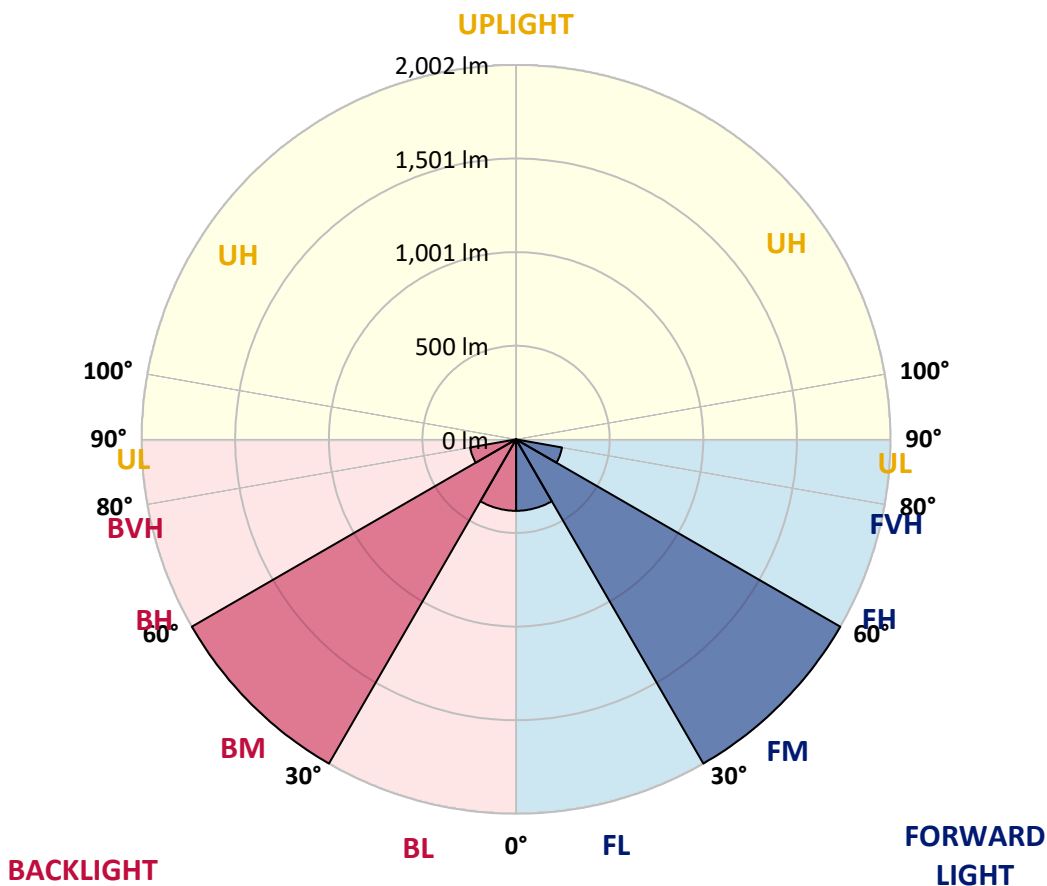
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	7.3			
FM (30°-60°)	2001.5	38.0			
FH (60°-80°)	249.2	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	381.8	7.3	B1/500		
BM (30°-60°)	2001.5	38.0	B2/2500		
BH (60°-80°)	249.2	4.7	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°	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4	875.4
2.5°	869.3	868.6	871.1	873.0	873.0	877.3	876.1	874.8	873.6	871.7	876.1
5°	868.0	867.4	869.3	870.5	869.3	873.0	870.5	868.0	866.8	864.3	869.3
7.5°	862.5	863.1	864.3	865.6	863.7	866.8	863.7	860.0	856.9	854.4	858.8
10°	853.8	854.4	855.7	858.1	858.8	863.1	858.8	852.0	847.6	843.9	848.3
12.5°	849.5	850.1	852.0	855.0	855.7	861.2	855.7	845.8	839.6	835.3	839.6
15°	850.7	852.0	854.4	858.1	859.4	864.9	857.5	844.5	835.9	830.3	834.0
17.5°	855.0	856.3	860.0	866.2	870.5	876.1	866.8	850.1	838.4	830.3	834.0
20°	860.6	862.5	868.6	878.5	887.8	897.7	885.9	863.1	847.6	837.8	840.8
22.5°	876.1	877.9	886.6	899.5	915.0	927.3	913.1	884.1	863.1	850.1	853.2
25°	907.6	909.4	920.5	937.2	957.0	973.1	955.1	918.7	891.5	876.7	877.9
27.5°	957.0	958.8	971.8	995.3	1021.9	1044.7	1018.8	976.1	945.2	928.0	928.0
30°	1019.4	1021.9	1039.2	1070.7	1112.1	1142.3	1107.1	1055.2	1015.7	992.2	992.8
32.5°	1099.7	1097.2	1121.9	1165.2	1223.9	1264.0	1212.1	1149.1	1100.3	1067.6	1070.7
35°	1202.9	1202.3	1230.1	1288.8	1365.4	1413.5	1351.8	1270.2	1211.5	1178.2	1178.8
37.5°	1335.7	1335.1	1367.2	1430.8	1522.9	1563.1	1493.9	1411.1	1348.1	1315.9	1319.6
40°	1491.4	1487.7	1516.1	1577.3	1669.3	1695.3	1619.9	1553.2	1492.6	1472.2	1482.1
42.5°	1639.7	1631.6	1648.3	1703.9	1775.0	1778.7	1721.8	1676.1	1634.7	1618.7	1624.8
45°	1758.9	1752.7	1768.2	1800.3	1841.1	1822.5	1795.4	1781.1	1747.8	1730.5	1736.0
47.5°	1847.9	1847.9	1866.4	1886.2	1892.4	1858.4	1862.7	1862.7	1829.3	1802.2	1795.4
50°	1924.5	1930.0	1957.8	1978.2	1957.8	1914.6	1939.3	1934.4	1866.4	1812.0	1797.8
52.5°	2046.8	2052.4	2095.0	2122.8	2099.9	2057.3	2060.4	1998.6	1898.5	1834.3	1812.0
55°	2176.5	2190.1	2251.9	2326.1	2326.7	2282.8	2201.3	2091.9	1970.2	1900.4	1877.5
57.5°	2006.6	2025.2	2117.2	2295.8	2424.9	2394.6	2200.0	2007.9	1843.5	1748.4	1735.4
60°	1380.8	1412.9	1505.0	1749.0	1998.0	2009.7	1779.9	1564.3	1375.9	1258.5	1261.0
62.5°	583.2	616.0	667.9	868.6	1097.2	1111.4	1000.2	845.8	691.9	607.3	620.3
65°	137.2	146.4	161.9	240.3	348.4	364.5	336.1	262.0	193.4	163.7	166.8
67.5°	59.9	61.2	58.1	61.8	76.6	78.5	76.0	66.7	63.0	64.3	64.3
70°	42.0	42.6	40.2	38.3	36.5	34.0	35.2	38.9	42.0	44.5	43.9
72.5°	25.9	26.6	27.2	27.2	25.3	22.9	24.1	26.6	27.2	27.8	27.2
75°	13.0	13.6	14.8	15.4	14.8	14.2	14.2	14.8	14.8	14.2	14.2
77.5°	2.5	3.1	4.3	4.9	4.9	4.9	4.9	4.9	5.6	4.9	4.9
80°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
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)