

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: P631309

Luminaire Tested: GWS-SA1F-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631309
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-SA1F-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4433.7 lumens
Efficiency: N/A
Efficacy: 66.0 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

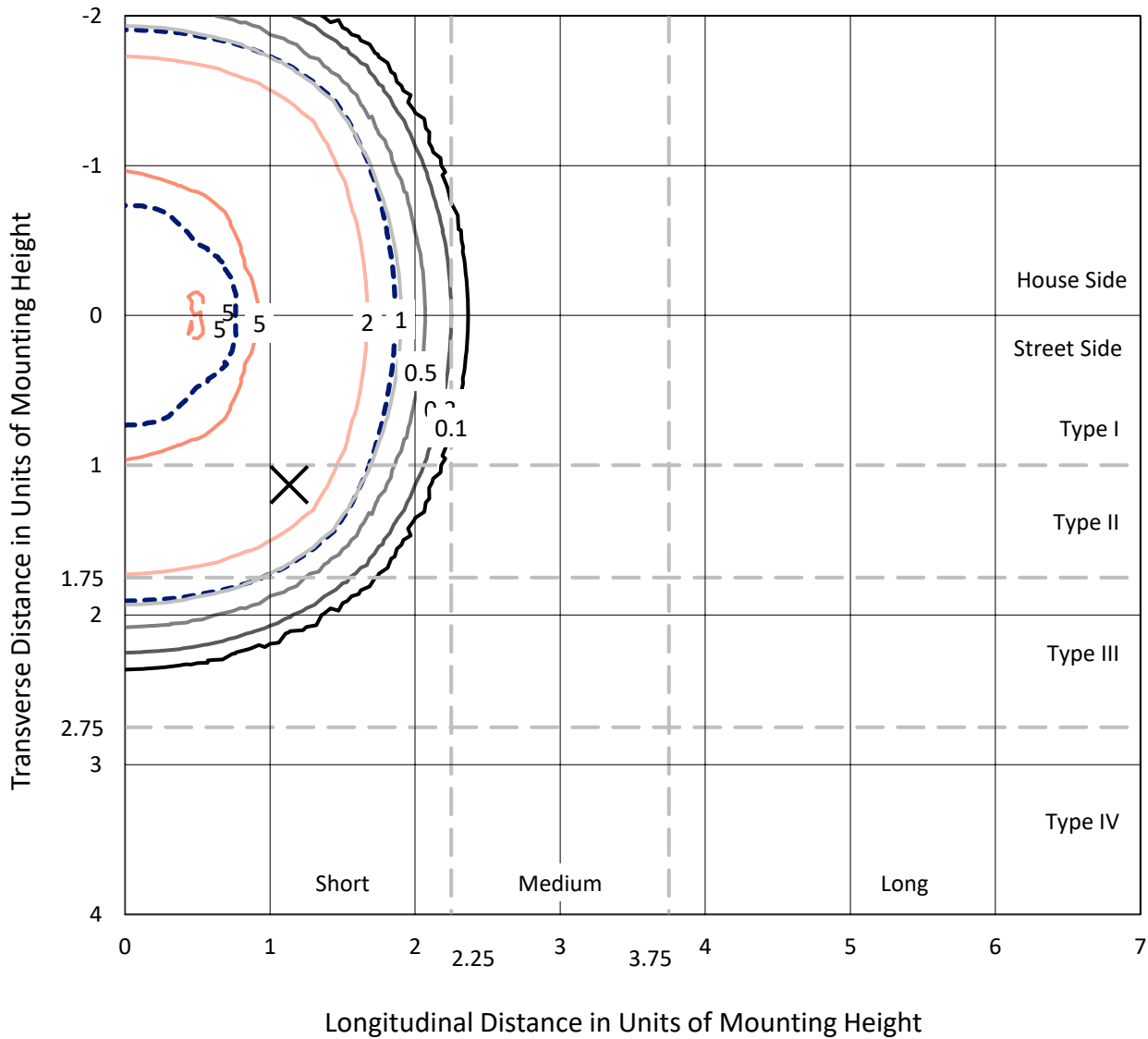
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

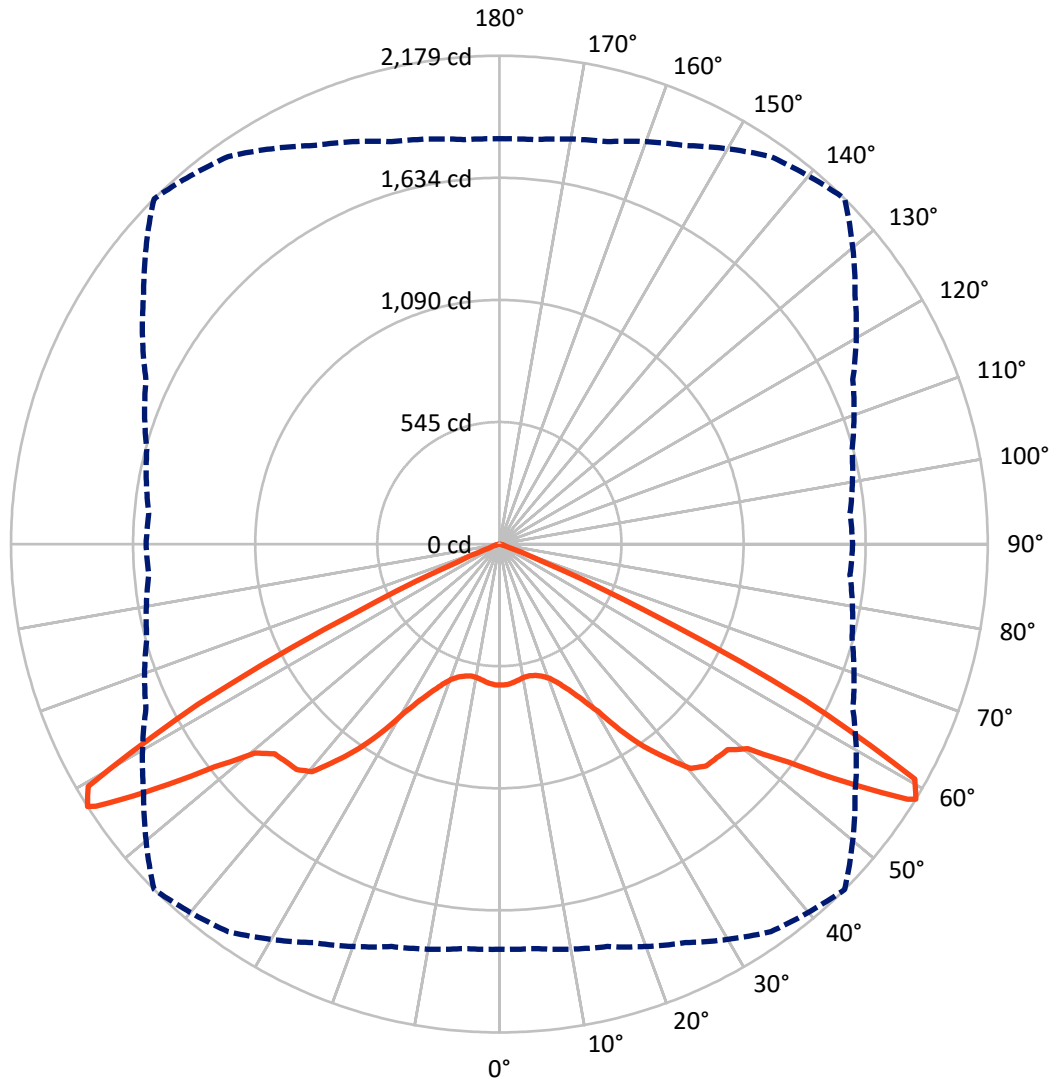
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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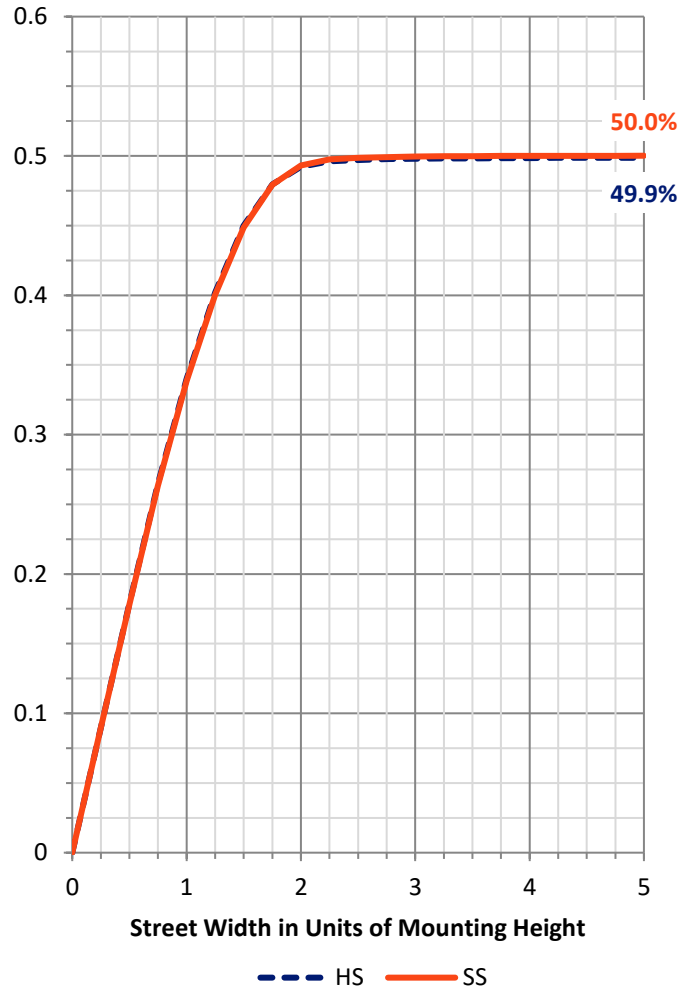
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2216.8	0.0	2216.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2216.8	0.0	2216.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4433.7	0.0	4433.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.3
10°-20°	173.6	3.9
20°-30°	328.3	7.4
30°-40°	647.5	14.6
40°-50°	1024.6	23.1
50°-60°	1506.1	34.0
60°-70°	672.3	15.2
70°-80°	22.5	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°	4433.7	100.0
0°-180°	4433.7	100.0

Coefficient of Utilization



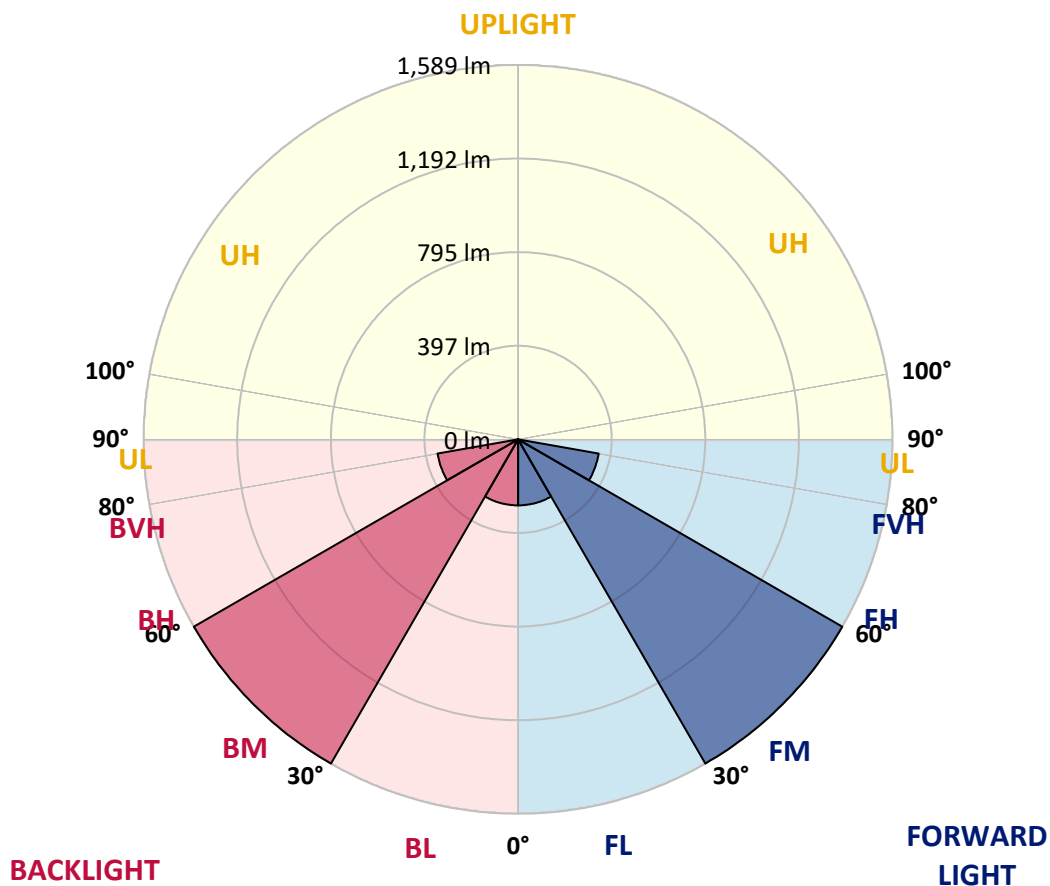
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.3	6.3			
FM (30°-60°)	1589.1	35.8			
FH (60°-80°)	347.4	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	280.3	6.3	B1/500		
BM (30°-60°)	1589.1	35.8	B2/2500		
BH (60°-80°)	347.4	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°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	622.7	623.9	625.1	625.7	626.3	628.2	628.8	626.9	626.9	623.3	627.5
5°	619.7	620.9	622.1	621.5	621.5	621.5	620.9	618.5	617.9	614.3	618.5
7.5°	614.3	615.5	615.5	613.7	612.4	612.4	611.8	608.8	608.2	604.6	608.8
10°	610.0	610.6	610.0	606.4	604.0	604.0	603.4	602.2	602.8	600.4	604.0
12.5°	612.4	613.1	610.6	605.8	602.8	602.2	600.4	598.6	600.4	599.8	603.4
15°	620.3	620.9	616.7	610.6	608.2	608.2	603.4	598.6	601.0	601.6	605.8
17.5°	630.0	630.0	624.5	619.1	619.7	619.7	611.8	603.4	604.0	606.4	610.6
20°	641.4	641.4	636.0	634.8	639.0	639.6	630.0	616.7	613.7	615.5	620.3
22.5°	662.0	662.0	657.7	660.8	670.4	673.5	659.0	640.2	633.0	634.2	639.0
25°	694.0	694.0	692.8	700.0	713.9	720.6	701.2	676.5	664.4	662.6	668.0
27.5°	747.7	748.3	746.5	757.4	774.9	782.8	756.2	723.6	709.1	706.1	711.5
30°	817.2	817.2	817.8	832.9	855.9	866.1	831.1	793.0	776.1	766.5	773.7
32.5°	894.5	895.7	901.8	927.1	967.6	988.7	937.4	884.2	857.1	846.8	854.7
35°	1022.0	1010.5	1003.2	1022.0	1080.5	1108.3	1042.5	980.3	959.7	958.5	978.5
37.5°	1148.2	1141.5	1126.4	1145.8	1198.3	1211.0	1138.5	1086.6	1072.1	1079.9	1099.9
40°	1248.5	1236.4	1216.4	1234.6	1303.4	1316.1	1226.7	1175.4	1169.9	1187.5	1214.6
42.5°	1327.6	1310.7	1284.1	1288.3	1343.9	1352.9	1273.8	1235.2	1238.8	1260.5	1291.3
45°	1363.2	1349.9	1326.4	1324.6	1359.6	1360.2	1298.0	1278.1	1287.7	1304.6	1328.8
47.5°	1378.3	1372.3	1359.0	1356.0	1375.9	1371.1	1332.4	1324.0	1333.0	1337.8	1351.7
50°	1415.8	1415.8	1417.6	1420.0	1440.5	1435.7	1408.5	1398.8	1387.4	1370.5	1374.7
52.5°	1520.9	1525.1	1542.6	1561.9	1599.4	1615.1	1571.0	1514.8	1459.9	1423.0	1423.0
55°	1710.5	1714.7	1735.3	1767.9	1836.7	1874.2	1771.5	1647.7	1572.2	1522.1	1528.7
57.5°	1815.0	1819.8	1862.1	1950.3	2083.8	2147.2	1926.7	1743.1	1637.4	1580.0	1584.9
58°	1808.4	1811.4	1859.1	1962.4	2111.0	2179.2	1937.6	1740.1	1629.0	1570.4	1576.4
60°	1606.6	1602.4	1678.5	1825.9	2035.5	2129.7	1829.5	1588.5	1459.2	1399.5	1402.5
62.5°	1050.3	1052.8	1118.6	1272.6	1435.7	1524.5	1278.1	1098.7	994.8	958.5	949.5
65°	438.5	430.6	471.1	556.9	654.7	704.3	605.2	512.2	448.2	424.0	430.6
67.5°	112.9	109.9	112.3	140.7	172.1	203.5	170.9	130.5	113.6	114.8	114.8
70°	64.0	60.4	48.9	45.3	44.1	44.1	44.1	44.1	50.7	59.8	61.6
72.5°	48.3	45.3	35.6	30.8	27.2	25.4	26.6	30.8	36.8	44.7	45.9
75°	24.2	24.2	21.7	20.5	18.1	16.9	17.5	19.3	22.3	25.4	24.8
77.5°	4.8	5.4	6.0	7.2	6.0	6.0	6.0	7.2	7.2	7.9	7.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.6	0.0	0.0	0.0	0.0	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	0.0	0.6	0.6
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)