

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: P631419

Luminaire Tested: GWS-SA1F-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631419
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4473.1 lumens
Efficiency: N/A
Efficacy: 66.6 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

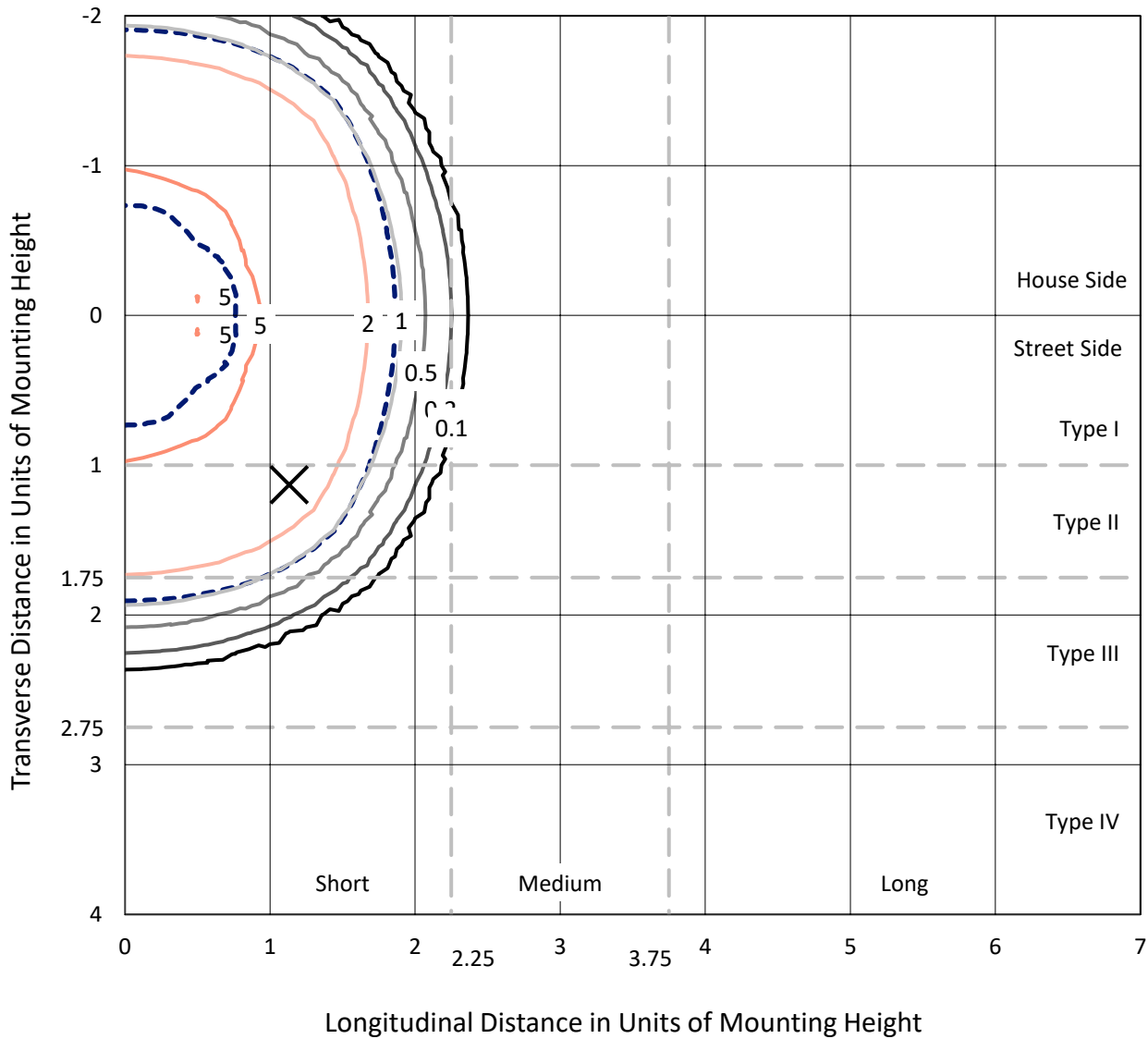
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

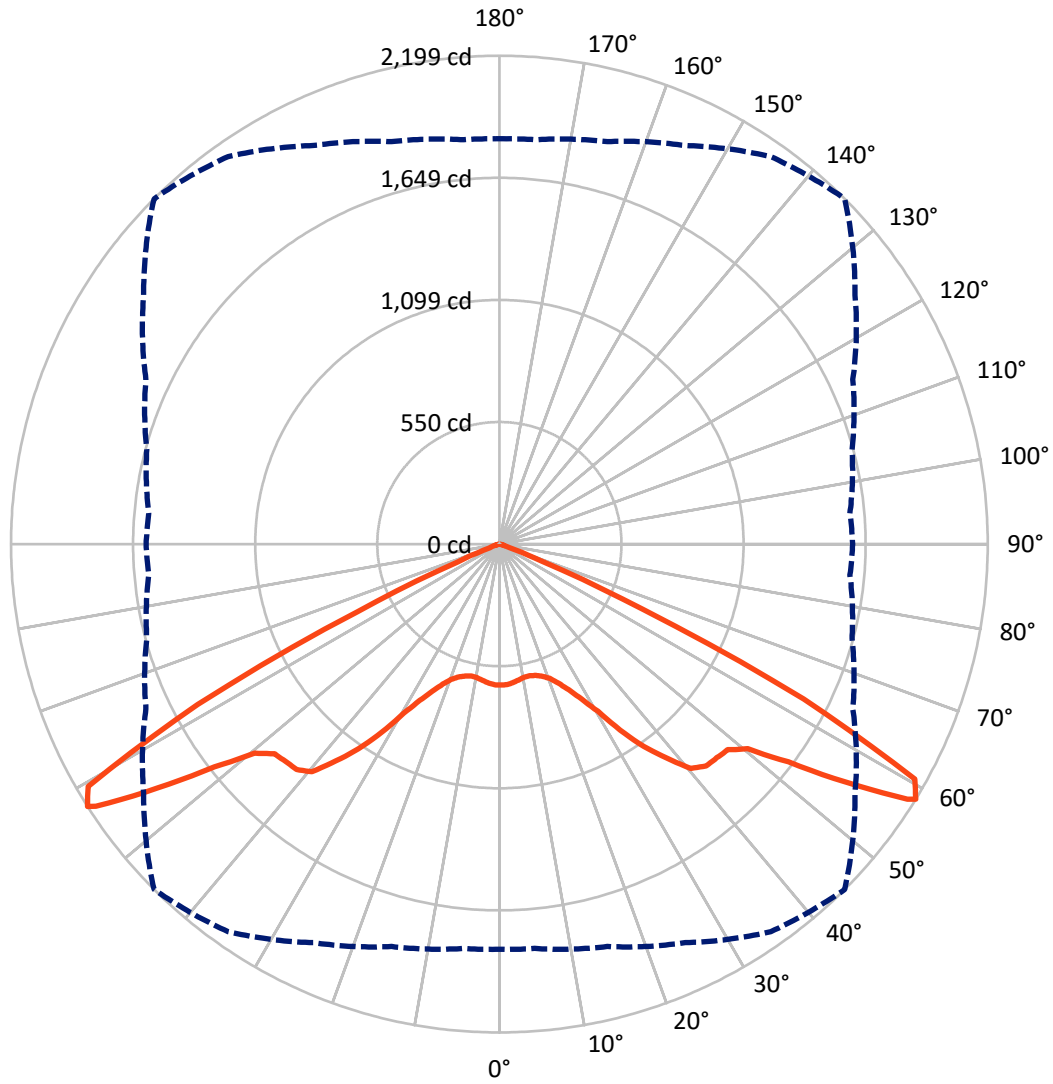
✕ Max cd
 - - - 1/2 Max cd



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	2236.5	0.0	2236.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2236.5	0.0	2236.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4473.1	0.0	4473.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.3
10°-20°	175.1	3.9
20°-30°	331.2	7.4
30°-40°	653.2	14.6
40°-50°	1033.7	23.1
50°-60°	1519.5	34.0
60°-70°	678.2	15.2
70°-80°	22.7	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°	4473.1	100.0
0°-180°	4473.1	100.0

Coefficient of Utilization



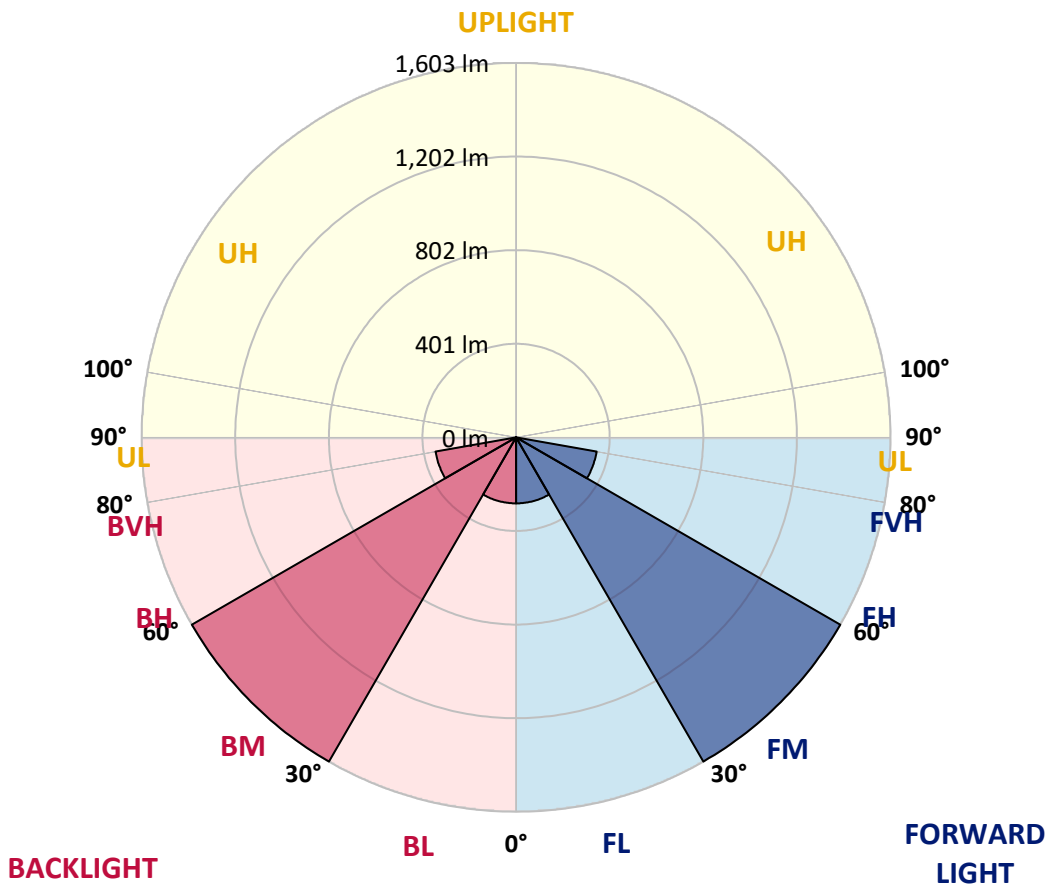
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.8	6.3			
FM (30°-60°)	1603.2	35.8			
FH (60°-80°)	350.5	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	282.8	6.3	B1/500		
BM (30°-60°)	1603.2	35.8	B2/2500		
BH (60°-80°)	350.5	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°	634.3	634.3	634.3	634.3	634.3	634.3	634.3	634.3	634.3	634.3	634.3
2.5°	628.3	629.5	630.7	631.3	631.9	633.7	634.3	632.5	632.5	628.9	633.1
5°	625.2	626.4	627.6	627.0	627.0	627.0	626.4	624.0	623.4	619.7	624.0
7.5°	619.7	620.9	620.9	619.1	617.9	617.9	617.3	614.2	613.6	610.0	614.2
10°	615.5	616.1	615.5	611.8	609.4	609.4	608.8	607.5	608.1	605.7	609.4
12.5°	617.9	618.5	616.1	611.2	608.1	607.5	605.7	603.9	605.7	605.1	608.8
15°	625.8	626.4	622.2	616.1	613.6	613.6	608.8	603.9	606.3	606.9	611.2
17.5°	635.6	635.6	630.1	624.6	625.2	625.2	617.3	608.8	609.4	611.8	616.1
20°	647.1	647.1	641.7	640.4	644.7	645.3	635.6	622.2	619.1	620.9	625.8
22.5°	667.9	667.9	663.6	666.6	676.4	679.4	664.8	645.9	638.6	639.8	644.7
25°	700.2	700.2	698.9	706.2	720.3	727.0	707.5	682.5	670.3	668.5	674.0
27.5°	754.4	755.0	753.2	764.1	781.8	789.7	762.9	730.0	715.4	712.3	717.8
30°	824.5	824.5	825.1	840.3	863.5	873.8	838.5	800.1	783.0	773.3	780.6
32.5°	902.5	903.7	909.8	935.4	976.2	997.5	945.7	892.1	864.7	854.3	862.2
35°	1031.0	1019.5	1012.1	1031.0	1090.1	1118.2	1051.8	989.0	968.3	967.1	987.2
37.5°	1158.4	1151.7	1136.5	1156.0	1209.0	1221.8	1148.6	1096.2	1081.6	1089.5	1109.6
40°	1259.5	1247.4	1227.3	1245.5	1315.0	1327.8	1237.6	1185.8	1180.3	1198.0	1225.4
42.5°	1339.4	1322.3	1295.5	1299.8	1355.8	1365.0	1285.1	1246.1	1249.8	1271.7	1302.8
45°	1375.3	1361.9	1338.2	1336.3	1371.7	1372.3	1309.5	1289.4	1299.2	1316.2	1340.6
47.5°	1390.6	1384.5	1371.1	1368.0	1388.1	1383.3	1344.3	1335.7	1344.9	1349.7	1363.8
50°	1428.3	1428.3	1430.2	1432.6	1453.3	1448.5	1421.0	1411.3	1399.7	1382.6	1386.9
52.5°	1534.4	1538.6	1556.3	1575.8	1613.6	1629.4	1584.9	1528.3	1472.8	1435.7	1435.7
55°	1725.7	1730.0	1750.7	1783.6	1853.1	1890.8	1787.3	1662.3	1586.2	1535.6	1542.3
57.5°	1831.1	1836.0	1878.7	1967.6	2102.3	2166.3	1943.9	1758.6	1652.0	1594.1	1599.0
58°	1824.4	1827.5	1875.6	1979.8	2129.7	2198.6	1954.8	1755.6	1643.4	1584.3	1590.4
60°	1620.9	1616.6	1693.4	1842.1	2053.5	2148.6	1845.8	1602.6	1472.2	1411.9	1414.9
62.5°	1059.7	1062.1	1128.5	1283.9	1448.5	1538.0	1289.4	1108.4	1003.6	967.1	957.9
65°	442.4	434.5	475.3	561.8	660.5	710.5	610.6	516.7	452.1	427.8	434.5
67.5°	114.0	110.9	113.3	142.0	173.7	205.4	172.4	131.6	114.6	115.8	115.8
70°	64.6	60.9	49.4	45.7	44.5	44.5	44.5	44.5	51.2	60.3	62.2
72.5°	48.7	45.7	36.0	31.1	27.4	25.6	26.8	31.1	37.2	45.1	46.3
75°	24.4	24.4	21.9	20.7	18.3	17.1	17.7	19.5	22.5	25.6	25.0
77.5°	4.9	5.5	6.1	7.3	6.1	6.1	6.1	7.3	7.3	7.9	7.3
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)