

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: P631523

Luminaire Tested: GWS-SA1F-830-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631523
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4089.1 lumens
Efficiency: N/A
Efficacy: 60.8 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

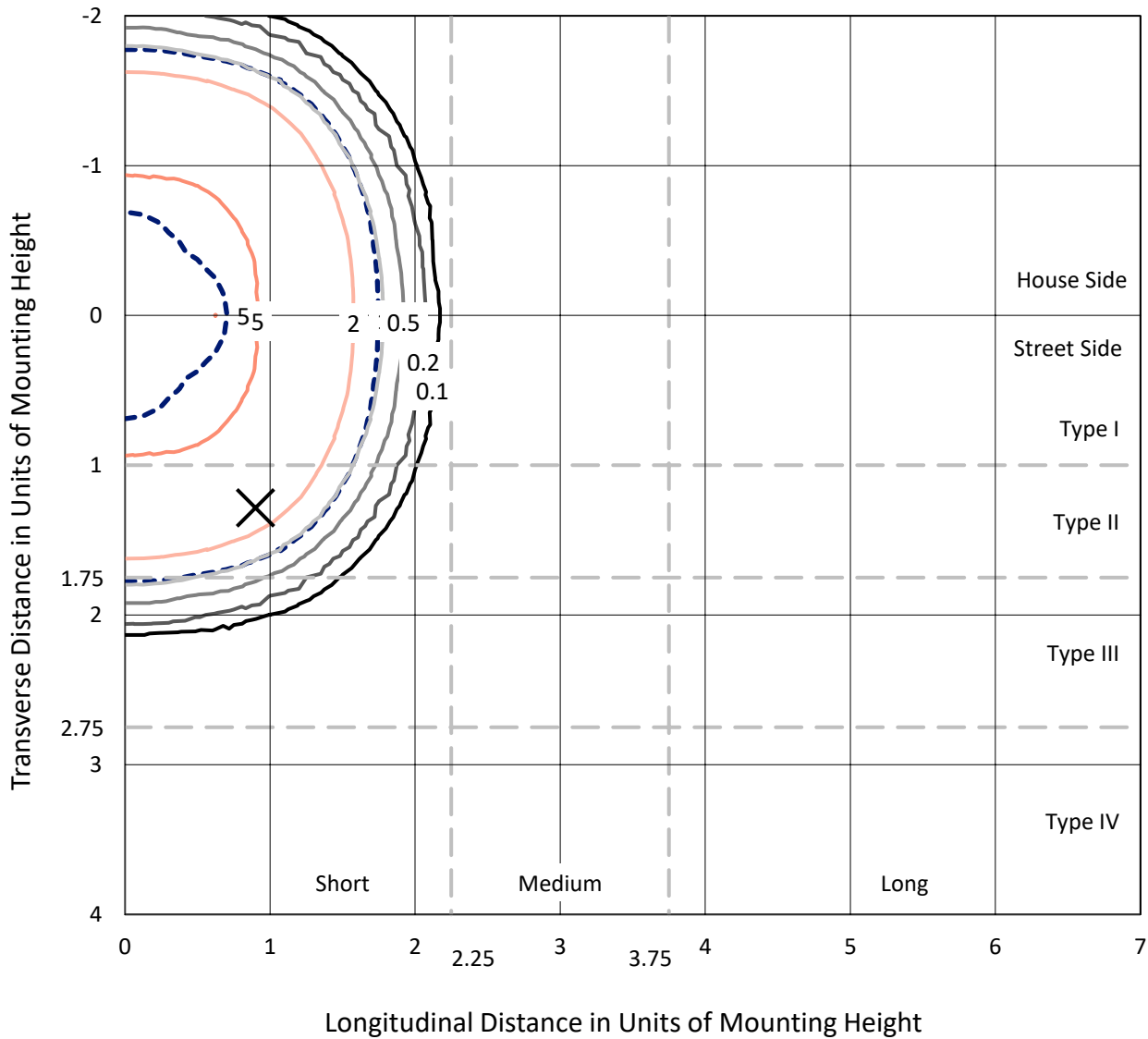
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

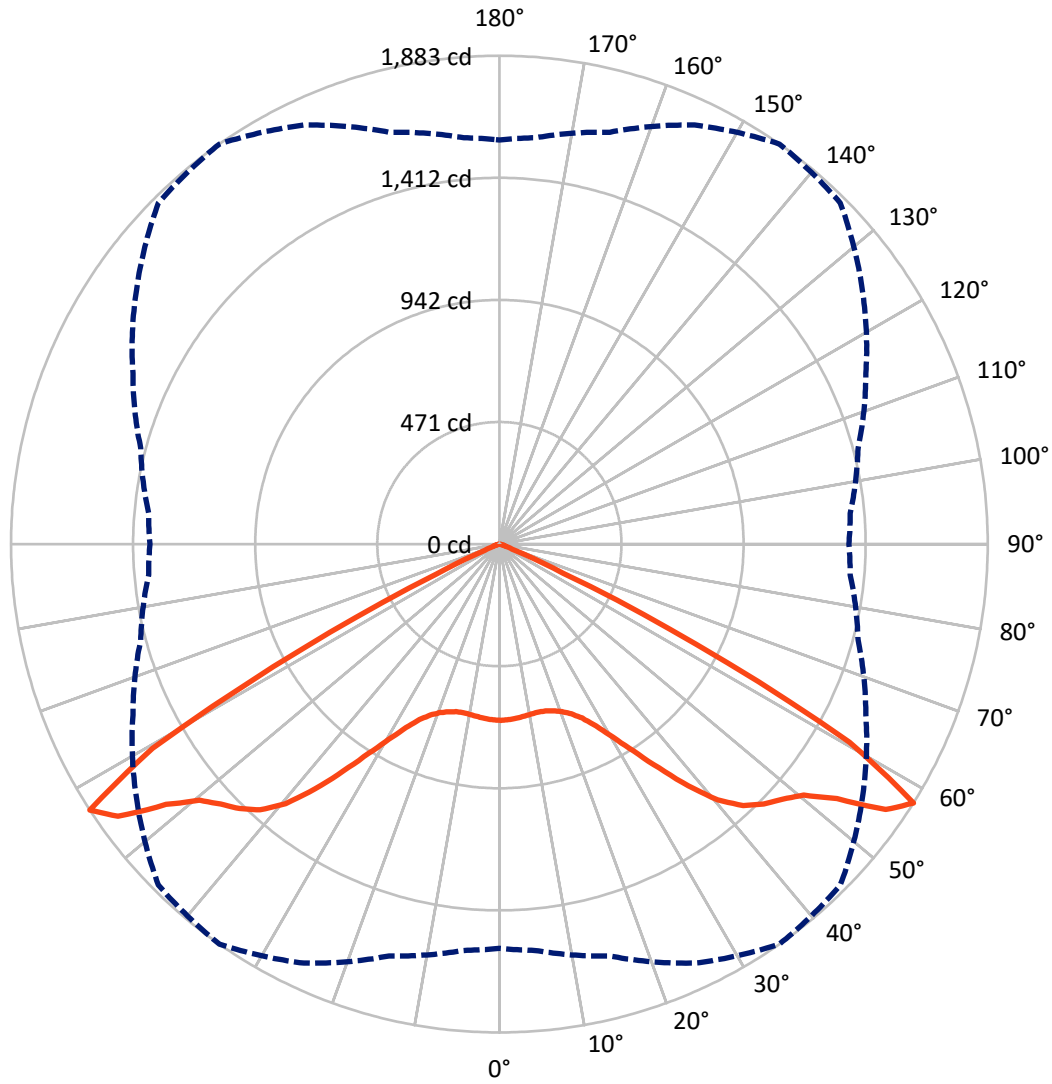
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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	2044.5	0.0	2044.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2044.5	0.0	2044.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4089.1	0.0	4089.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.6
10°-20°	188.4	4.6
20°-30°	340.6	8.3
30°-40°	635.4	15.5
40°-50°	1065.8	26.1
50°-60°	1407.5	34.4
60°-70°	373.8	9.1
70°-80°	13.3	0.3
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°	4089.1	100.0
0°-180°	4089.1	100.0

Coefficient of Utilization



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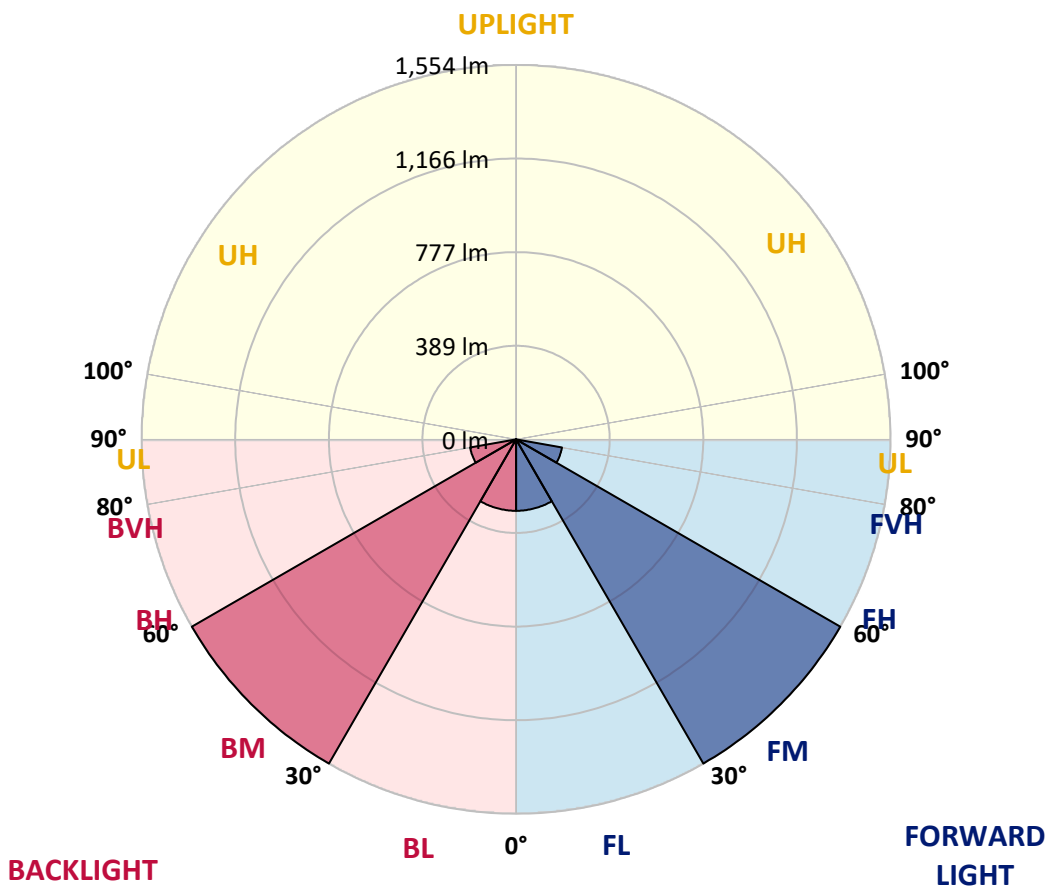
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.5	7.3			
FM (30°-60°)	1554.4	38.0			
FH (60°-80°)	193.5	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	296.5	7.3	B1/500		
BM (30°-60°)	1554.4	38.0	B2/2500		
BH (60°-80°)	193.5	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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	675.1	674.6	676.5	677.9	677.9	681.3	680.3	679.4	678.4	677.0	680.3
5°	674.1	673.6	675.1	676.0	675.1	677.9	676.0	674.1	673.1	671.2	675.1
7.5°	669.8	670.3	671.2	672.2	670.7	673.1	670.7	667.9	665.5	663.5	666.9
10°	663.1	663.5	664.5	666.4	666.9	670.3	666.9	661.6	658.3	655.4	658.7
12.5°	659.7	660.2	661.6	664.0	664.5	668.8	664.5	656.8	652.0	648.7	652.0
15°	660.7	661.6	663.5	666.4	667.4	671.7	665.9	655.9	649.1	644.8	647.7
17.5°	664.0	665.0	667.9	672.7	676.0	680.3	673.1	660.2	651.1	644.8	647.7
20°	668.3	669.8	674.6	682.2	689.4	697.1	688.0	670.3	658.3	650.6	653.0
22.5°	680.3	681.8	688.5	698.6	710.6	720.2	709.1	686.6	670.3	660.2	662.6
25°	704.8	706.2	714.9	727.8	743.2	755.7	741.7	713.4	692.3	680.8	681.8
27.5°	743.2	744.6	754.7	772.9	793.6	811.3	791.2	758.1	734.1	720.6	720.6
30°	791.6	793.6	807.0	831.5	863.6	887.1	859.8	819.5	788.8	770.5	771.0
32.5°	854.0	852.1	871.3	904.9	950.4	981.6	941.3	892.4	854.5	829.1	831.5
35°	934.1	933.7	955.2	1000.8	1060.3	1097.7	1049.8	986.4	940.9	914.9	915.4
37.5°	1037.3	1036.8	1061.8	1111.2	1182.7	1213.8	1160.1	1095.8	1046.9	1021.9	1024.8
40°	1158.2	1155.3	1177.4	1224.9	1296.4	1316.5	1258.0	1206.2	1159.2	1143.3	1151.0
42.5°	1273.3	1267.1	1280.1	1323.2	1378.4	1381.3	1337.1	1301.6	1269.5	1257.0	1261.8
45°	1365.9	1361.1	1373.1	1398.1	1429.7	1415.4	1394.2	1383.2	1357.3	1343.9	1348.2
47.5°	1435.0	1435.0	1449.4	1464.8	1469.6	1443.2	1446.5	1446.5	1420.6	1399.5	1394.2
50°	1494.5	1498.8	1520.4	1536.3	1520.4	1486.8	1506.0	1502.2	1449.4	1407.2	1396.2
52.5°	1589.5	1593.8	1626.9	1648.5	1630.8	1597.7	1600.1	1552.1	1474.4	1424.5	1407.2
55°	1690.3	1700.8	1748.8	1806.4	1806.9	1772.8	1709.5	1624.5	1530.0	1475.8	1458.1
57.5°	1558.3	1572.7	1644.2	1782.9	1883.1	1859.6	1708.5	1559.3	1431.7	1357.8	1347.7
60°	1072.3	1097.3	1168.7	1358.3	1551.6	1560.7	1382.2	1214.8	1068.5	977.3	979.2
62.5°	452.9	478.3	518.6	674.6	852.1	863.1	776.8	656.8	537.4	471.6	481.7
65°	106.5	113.7	125.7	186.6	270.6	283.1	261.0	203.4	150.2	127.1	129.5
67.5°	46.5	47.5	45.1	48.0	59.5	60.9	59.0	51.8	48.9	49.9	49.9
70°	32.6	33.1	31.2	29.7	28.3	26.4	27.3	30.2	32.6	34.5	34.1
72.5°	20.2	20.6	21.1	21.1	19.7	17.8	18.7	20.6	21.1	21.6	21.1
75°	10.1	10.6	11.5	12.0	11.5	11.0	11.0	11.5	11.5	11.0	11.0
77.5°	1.9	2.4	3.4	3.8	3.8	3.8	3.8	3.8	4.3	3.8	3.8
80°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)