

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: P630808

Luminaire Tested: GWS-SA1E-740-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630808
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-SA1E-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4629.8 lumens
Efficiency: N/A
Efficacy: 79.3 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

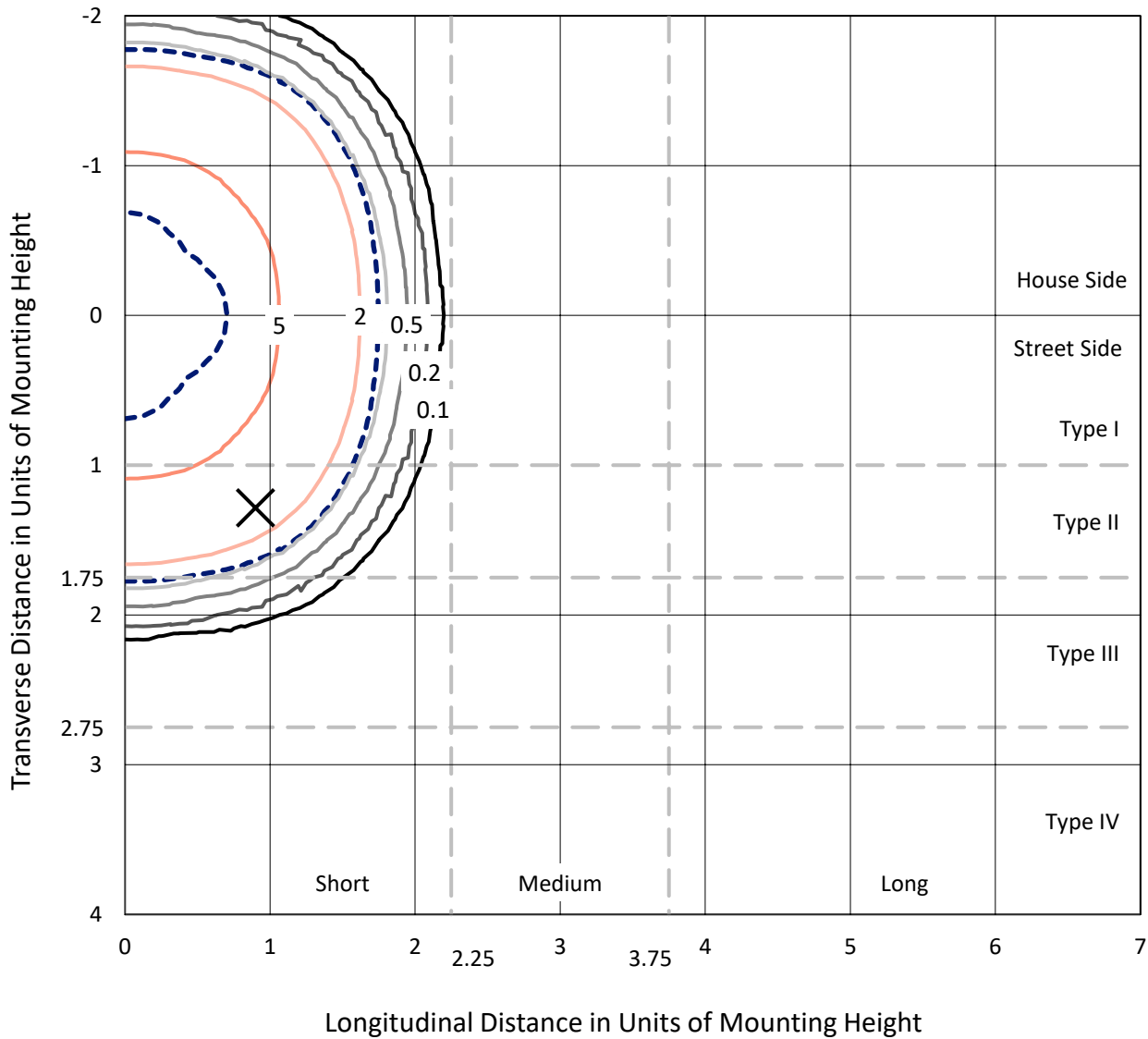
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

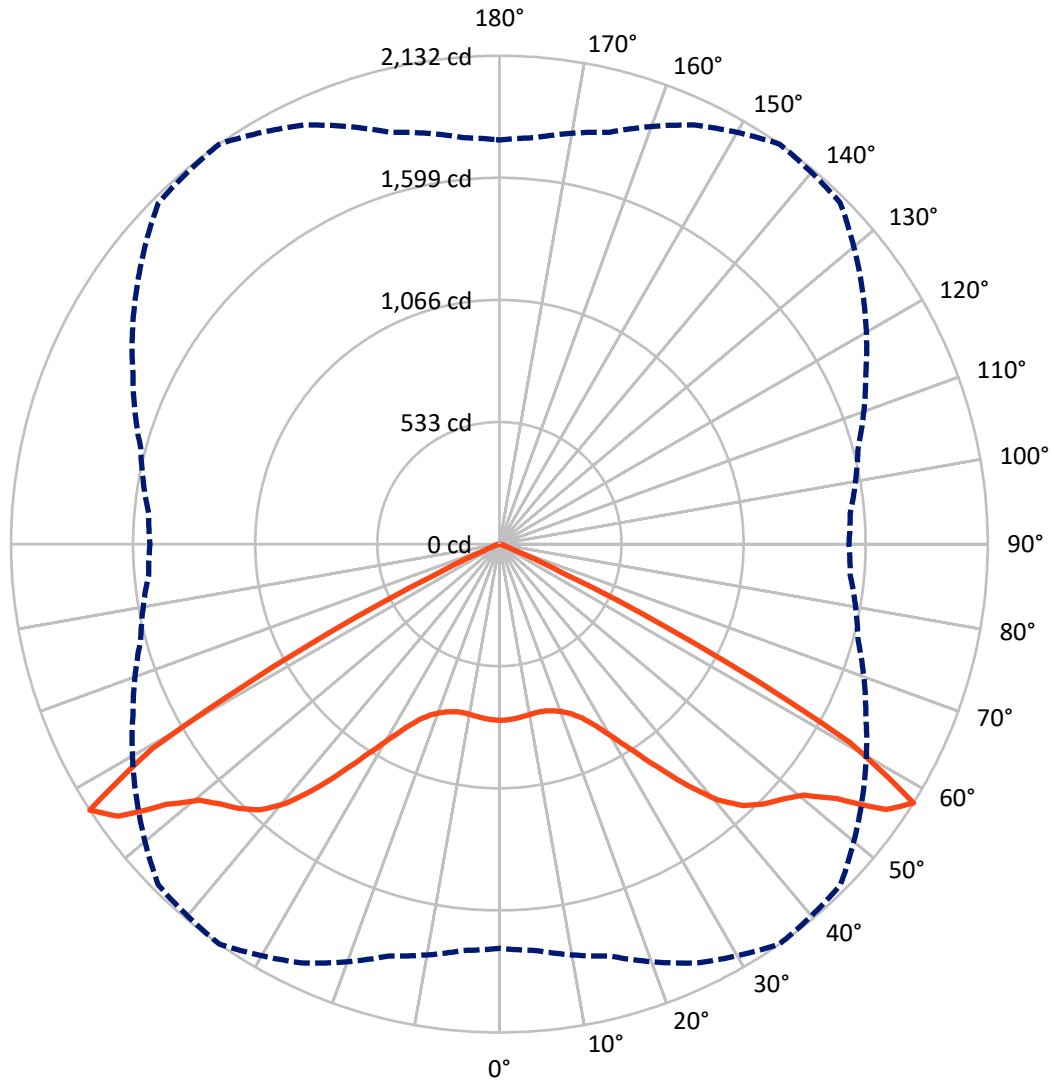
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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	2314.9	0.0	2314.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2314.9	0.0	2314.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4629.8	0.0	4629.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.6
10°-20°	213.3	4.6
20°-30°	385.6	8.3
30°-40°	719.4	15.5
40°-50°	1206.8	26.1
50°-60°	1593.7	34.4
60°-70°	423.2	9.1
70°-80°	15.0	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°	4629.8	100.0
0°-180°	4629.8	100.0

Coefficient of Utilization



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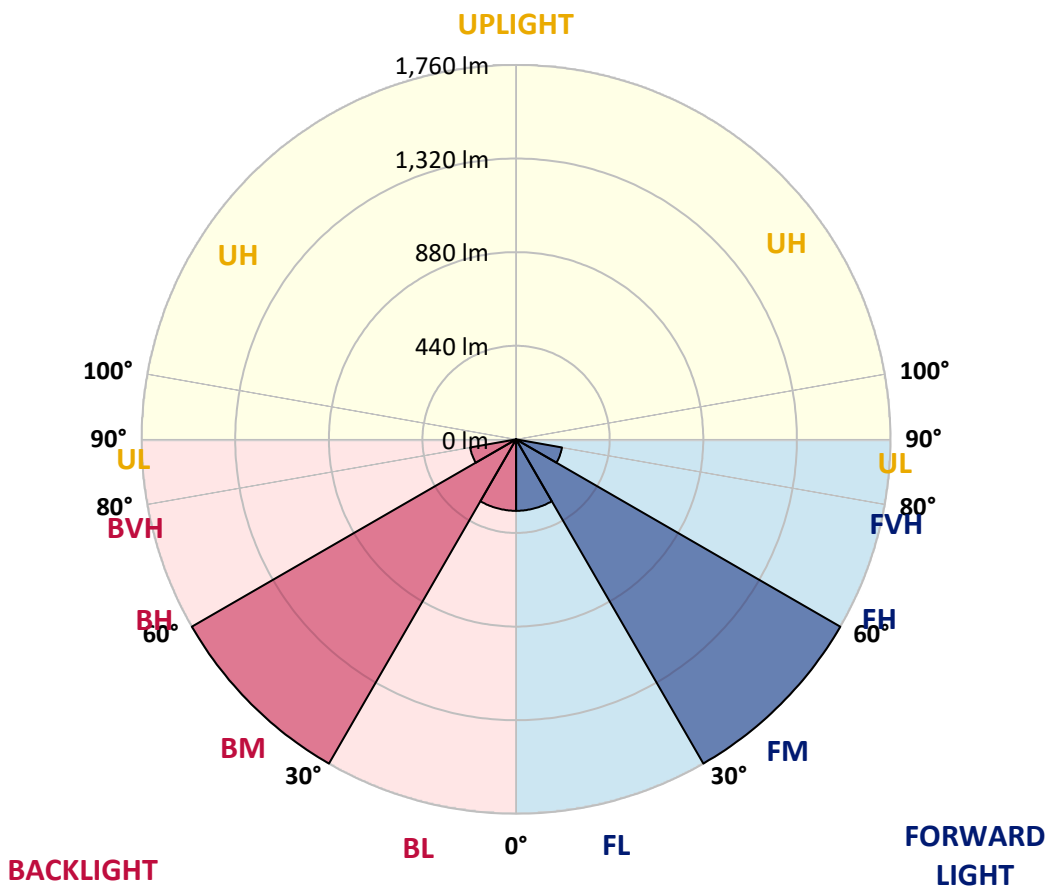
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.7	7.3			
FM (30°-60°)	1759.9	38.0			
FH (60°-80°)	219.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	335.7	7.3	B1/500		
BM (30°-60°)	1759.9	38.0	B2/2500		
BH (60°-80°)	219.1	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°	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7	769.7
2.5°	764.3	763.8	765.9	767.6	767.6	771.4	770.3	769.2	768.1	766.5	770.3
5°	763.2	762.7	764.3	765.4	764.3	767.6	765.4	763.2	762.1	760.0	764.3
7.5°	758.3	758.9	760.0	761.1	759.4	762.1	759.4	756.2	753.4	751.3	755.1
10°	750.7	751.3	752.4	754.5	755.1	758.9	755.1	749.1	745.3	742.0	745.8
12.5°	746.9	747.5	749.1	751.8	752.4	757.3	752.4	743.7	738.2	734.4	738.2
15°	748.0	749.1	751.3	754.5	755.6	760.5	754.0	742.6	735.0	730.1	733.4
17.5°	751.8	752.9	756.2	761.6	765.4	770.3	762.1	747.5	737.2	730.1	733.4
20°	756.7	758.3	763.8	772.5	780.6	789.3	779.0	758.9	745.3	736.6	739.3
22.5°	770.3	771.9	779.5	790.9	804.5	815.4	802.9	777.4	758.9	747.5	750.2
25°	798.0	799.6	809.4	824.1	841.5	855.6	839.8	807.8	783.9	770.8	771.9
27.5°	841.5	843.1	854.5	875.1	898.5	918.6	895.8	858.3	831.1	815.9	815.9
30°	896.3	898.5	913.7	941.4	977.8	1004.4	973.5	927.8	893.1	872.4	873.0
32.5°	966.9	964.8	986.5	1024.5	1076.1	1111.4	1065.8	1010.4	967.5	938.7	941.4
35°	1057.7	1057.1	1081.6	1133.2	1200.5	1242.9	1188.6	1116.9	1065.3	1035.9	1036.5
37.5°	1174.4	1173.9	1202.2	1258.1	1339.0	1374.4	1313.5	1240.7	1185.3	1157.1	1160.3
40°	1311.3	1308.1	1333.1	1386.8	1467.8	1490.6	1424.3	1365.7	1312.4	1294.5	1303.2
42.5°	1441.7	1434.6	1449.3	1498.2	1560.7	1563.9	1514.0	1473.8	1437.4	1423.2	1428.7
45°	1546.6	1541.1	1554.7	1582.9	1618.8	1602.5	1578.6	1566.1	1536.8	1521.6	1526.5
47.5°	1624.8	1624.8	1641.1	1658.5	1663.9	1634.0	1637.8	1637.8	1608.5	1584.6	1578.6
50°	1692.1	1697.0	1721.5	1739.4	1721.5	1683.4	1705.2	1700.8	1641.1	1593.3	1580.8
52.5°	1799.7	1804.6	1842.1	1866.5	1846.4	1808.9	1811.6	1757.3	1669.3	1612.8	1593.3
55°	1913.8	1925.7	1980.0	2045.2	2045.8	2007.2	1935.5	1839.4	1732.3	1671.0	1650.9
57.5°	1764.4	1780.7	1861.6	2018.6	2132.1	2105.5	1934.4	1765.5	1621.0	1537.3	1525.9
60°	1214.1	1242.3	1323.3	1537.9	1756.8	1767.1	1565.0	1375.4	1209.8	1106.5	1108.7
62.5°	512.8	541.6	587.2	763.8	964.8	977.3	879.5	743.7	608.4	534.0	545.4
65°	120.6	128.7	142.3	211.3	306.4	320.5	295.5	230.3	170.0	144.0	146.7
67.5°	52.7	53.8	51.1	54.3	67.4	69.0	66.8	58.7	55.4	56.5	56.5
70°	36.9	37.5	35.3	33.7	32.1	29.9	31.0	34.2	36.9	39.1	38.6
72.5°	22.8	23.4	23.9	23.9	22.3	20.1	21.2	23.4	23.9	24.4	23.9
75°	11.4	12.0	13.0	13.6	13.0	12.5	12.5	13.0	13.0	12.5	12.5
77.5°	2.2	2.7	3.8	4.3	4.3	4.3	4.3	4.3	4.9	4.3	4.3
80°	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
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)