

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: P630863

Luminaire Tested: GWS-SA1E-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630863
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-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: 4735.9 lumens
Efficiency: N/A
Efficacy: 81.1 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

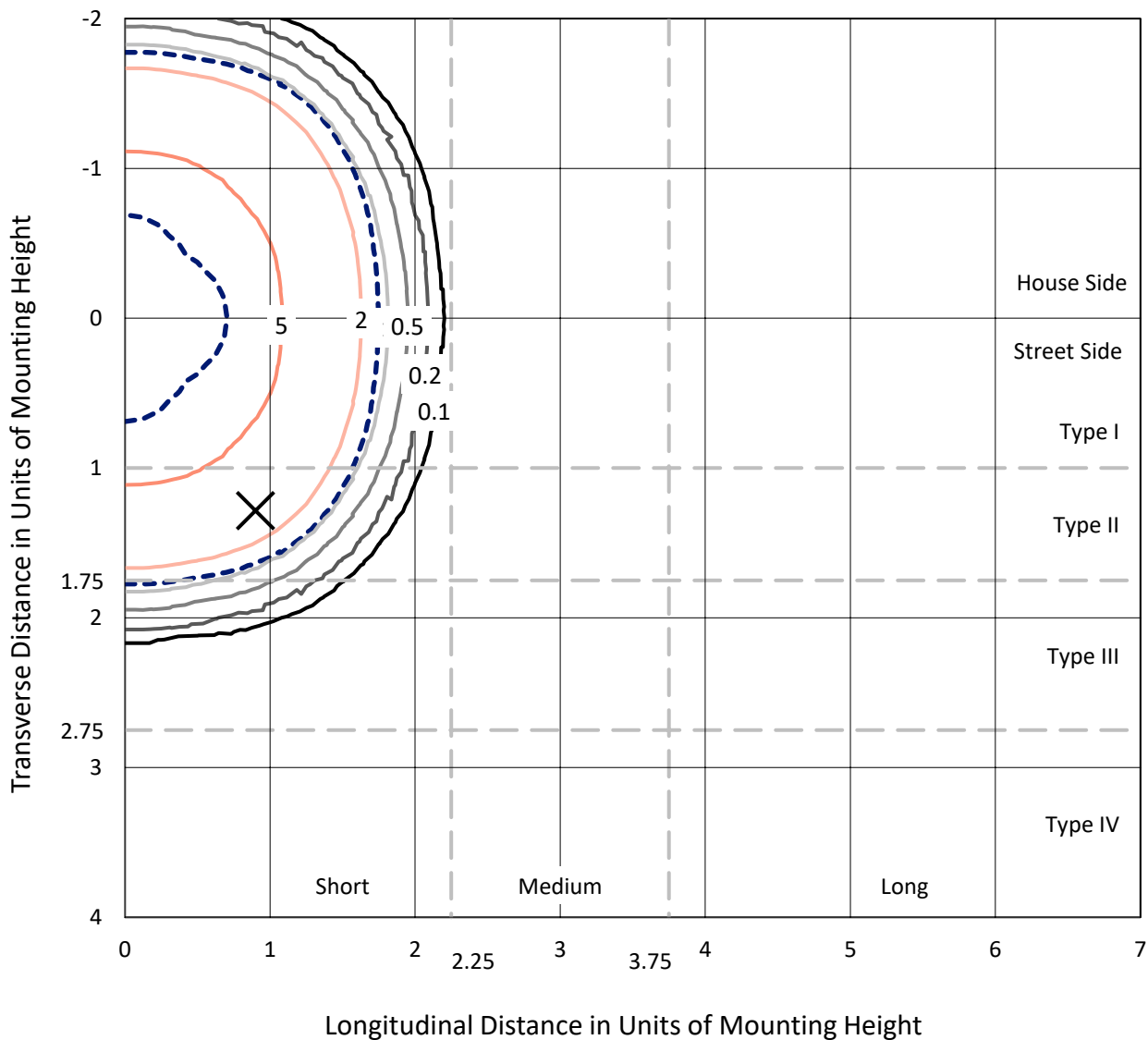
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

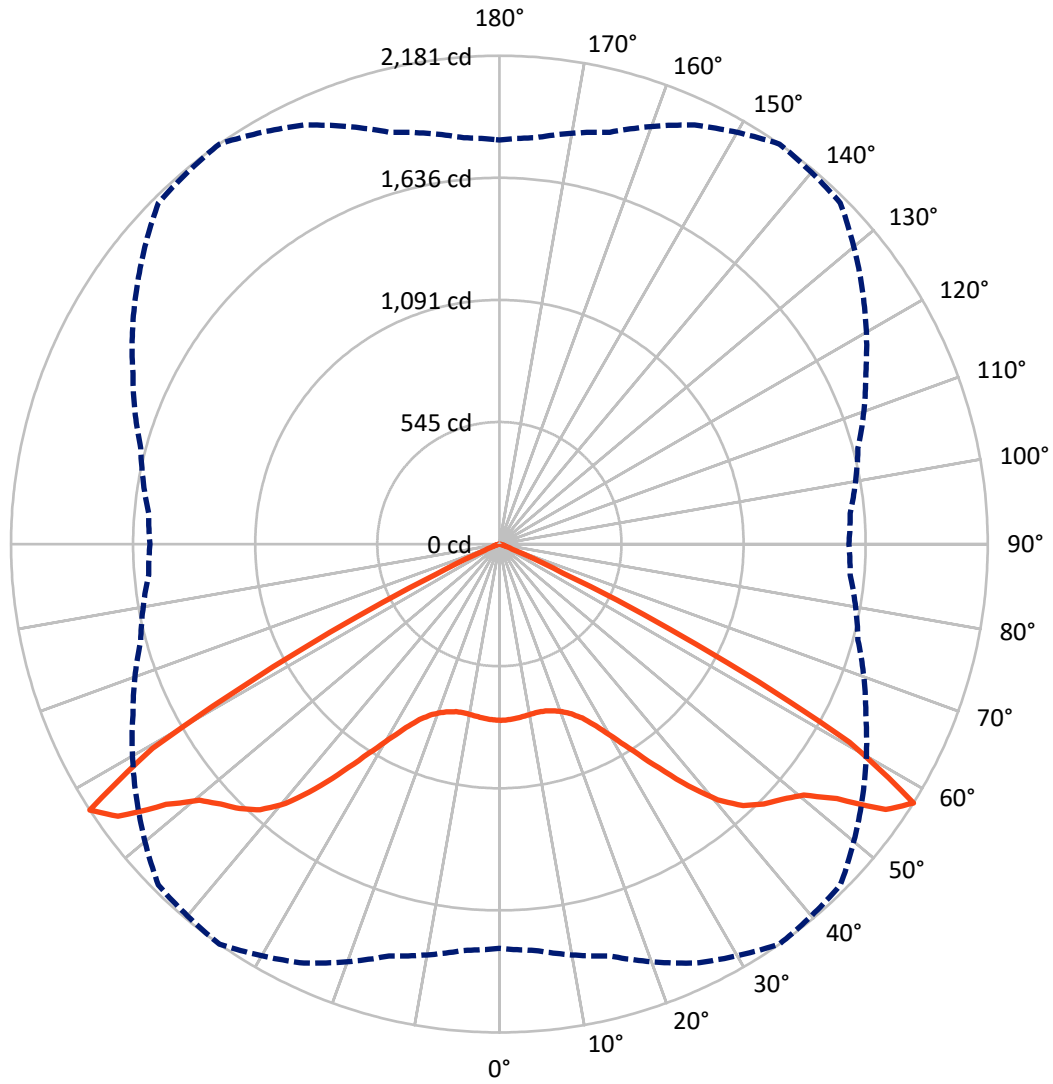
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	2368.0	0.0	2368.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2368.0	0.0	2368.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4735.9	0.0	4735.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.6
10°-20°	218.2	4.6
20°-30°	394.4	8.3
30°-40°	735.9	15.5
40°-50°	1234.4	26.1
50°-60°	1630.2	34.4
60°-70°	432.9	9.1
70°-80°	15.4	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°	4735.9	100.0
0°-180°	4735.9	100.0

Coefficient of Utilization



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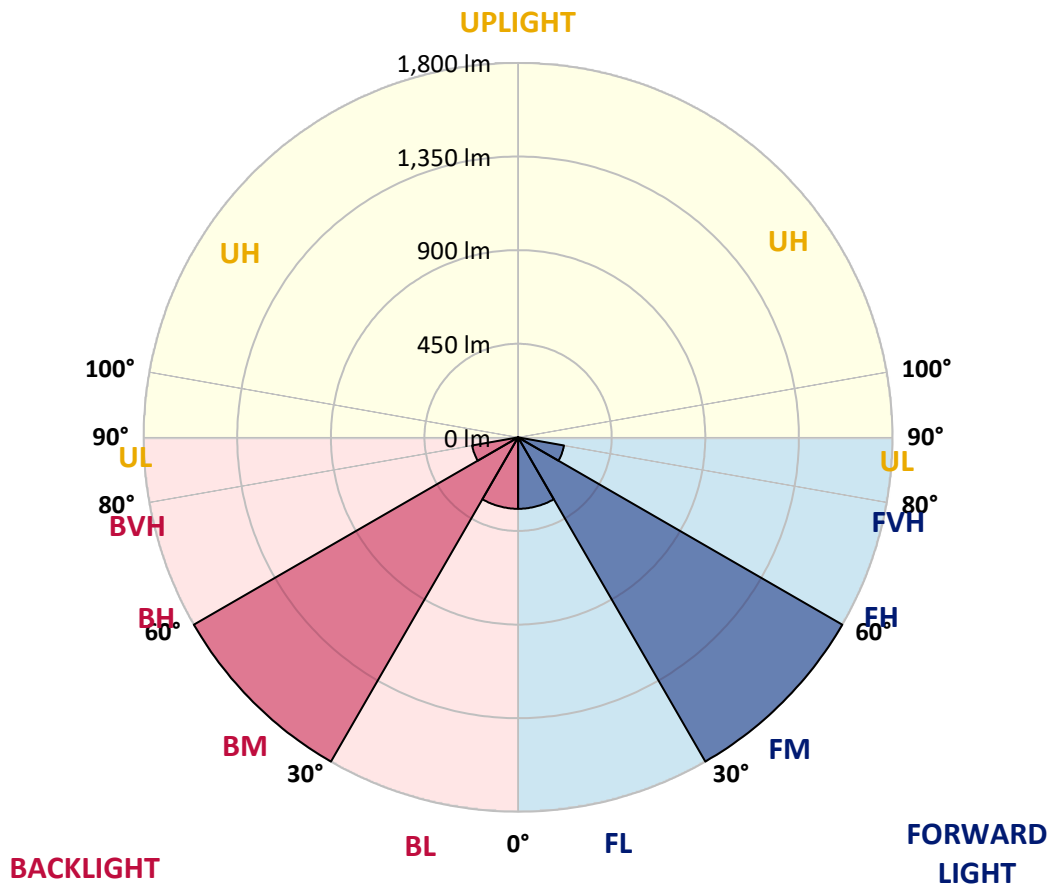
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.4	7.3			
FM (30°-60°)	1800.2	38.0			
FH (60°-80°)	224.2	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	343.4	7.3	B1/500		
BM (30°-60°)	1800.2	38.0	B2/2500		
BH (60°-80°)	224.2	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°	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4	787.4
2.5°	781.8	781.3	783.5	785.2	785.2	789.1	787.9	786.8	785.7	784.1	787.9
5°	780.7	780.2	781.8	782.9	781.8	785.2	782.9	780.7	779.6	777.4	781.8
7.5°	775.7	776.3	777.4	778.5	776.8	779.6	776.8	773.5	770.7	768.5	772.4
10°	767.9	768.5	769.6	771.8	772.4	776.3	772.4	766.3	762.4	759.0	762.9
12.5°	764.0	764.6	766.3	769.0	769.6	774.6	769.6	760.7	755.2	751.3	755.2
15°	765.2	766.3	768.5	771.8	772.9	777.9	771.3	759.6	751.8	746.8	750.2
17.5°	769.0	770.2	773.5	779.1	782.9	787.9	779.6	764.6	754.0	746.8	750.2
20°	774.0	775.7	781.3	790.2	798.5	807.4	796.8	776.3	762.4	753.5	756.3
22.5°	787.9	789.6	797.4	809.1	822.9	834.1	821.3	795.2	776.3	764.6	767.4
25°	816.3	817.9	828.0	843.0	860.7	875.2	859.1	826.3	801.8	788.5	789.6
27.5°	860.7	862.4	874.1	895.2	919.1	939.6	916.3	878.0	850.2	834.6	834.6
30°	916.9	919.1	934.6	963.0	1000.2	1027.4	995.8	949.1	913.5	892.4	893.0
32.5°	989.1	986.9	1009.1	1048.0	1100.8	1136.9	1090.2	1033.5	989.7	960.2	963.0
35°	1081.9	1081.3	1106.3	1159.1	1228.0	1271.4	1215.8	1142.5	1089.7	1059.7	1060.2
37.5°	1201.4	1200.8	1229.7	1286.9	1369.7	1405.8	1343.6	1269.2	1212.5	1183.6	1186.9
40°	1341.4	1338.1	1363.6	1418.6	1501.4	1524.8	1457.0	1397.0	1342.5	1324.2	1333.1
42.5°	1474.8	1467.5	1482.5	1532.5	1596.4	1599.8	1548.7	1507.5	1470.3	1455.9	1461.4
45°	1582.0	1576.4	1590.3	1619.2	1655.9	1639.2	1614.8	1602.0	1572.0	1556.4	1561.4
47.5°	1662.0	1662.0	1678.7	1696.5	1702.0	1671.5	1675.3	1675.3	1645.3	1620.9	1614.8
50°	1730.9	1735.9	1760.9	1779.3	1760.9	1722.0	1744.3	1739.8	1678.7	1629.8	1617.0
52.5°	1840.9	1845.9	1884.3	1909.3	1888.7	1850.4	1853.2	1797.6	1707.6	1649.8	1629.8
55°	1957.6	1969.9	2025.4	2092.1	2092.7	2053.2	1979.9	1881.5	1772.0	1709.2	1688.7
57.5°	1804.8	1821.5	1904.3	2064.9	2181.0	2153.8	1978.7	1805.9	1658.1	1572.5	1560.9
60°	1241.9	1270.8	1353.6	1573.1	1797.0	1807.6	1600.9	1407.0	1237.5	1131.9	1134.1
62.5°	524.6	554.0	600.7	781.3	986.9	999.7	899.6	760.7	622.4	546.2	557.9
65°	123.4	131.7	145.6	216.2	313.4	327.8	302.3	235.6	173.9	147.3	150.0
67.5°	53.9	55.0	52.2	55.6	68.9	70.6	68.3	60.0	56.7	57.8	57.8
70°	37.8	38.3	36.1	34.5	32.8	30.6	31.7	35.0	37.8	40.0	39.5
72.5°	23.3	23.9	24.4	24.4	22.8	20.6	21.7	23.9	24.4	25.0	24.4
75°	11.7	12.2	13.3	13.9	13.3	12.8	12.8	13.3	13.3	12.8	12.8
77.5°	2.2	2.8	3.9	4.4	4.4	4.4	4.4	4.4	5.0	4.4	4.4
80°	0.6	0.6	1.1	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
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)