

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: P630260

Luminaire Tested: GWS-SA1D-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193.5 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

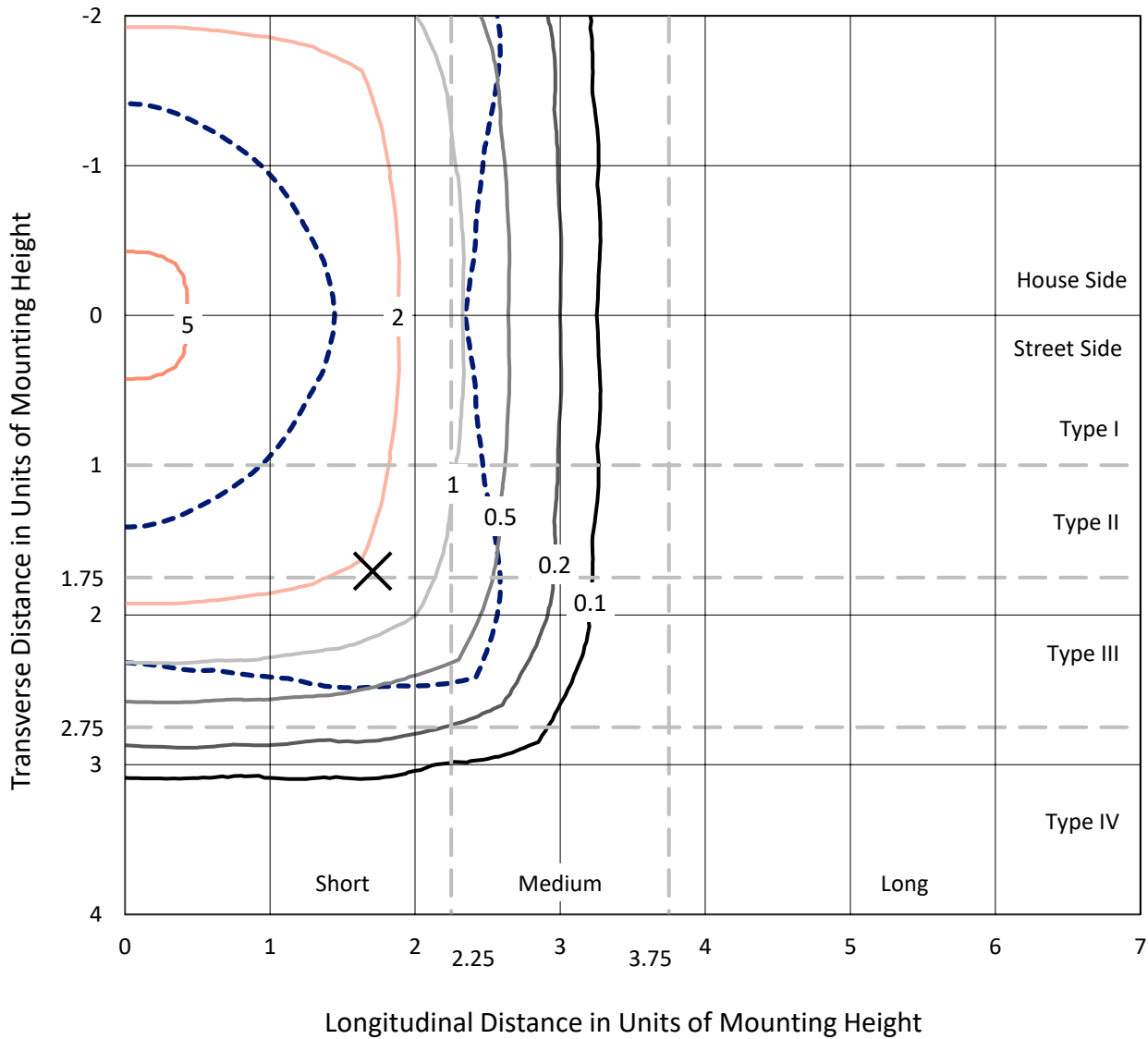
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

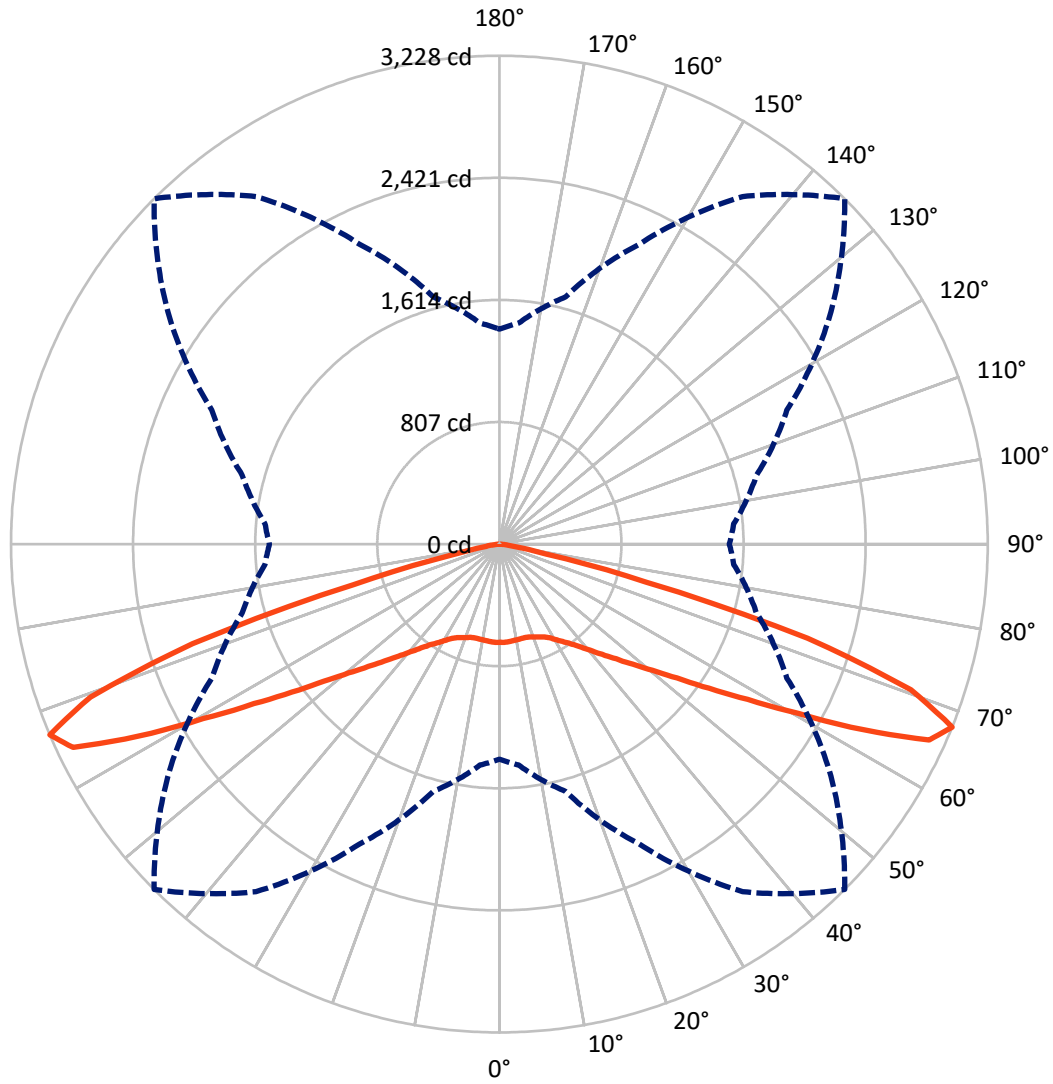
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3096.7	0.0	3096.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3096.7	0.0	3096.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6193.5	0.0	6193.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	1.0
10°-20°	180.3	2.9
20°-30°	311.0	5.0
30°-40°	505.7	8.2
40°-50°	851.5	13.7
50°-60°	1508.7	24.4
60°-70°	2156.5	34.8
70°-80°	591.9	9.6
80°-90°	26.5	0.4
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°	6193.5	100.0
0°-180°	6193.5	100.0

Coefficient of Utilization



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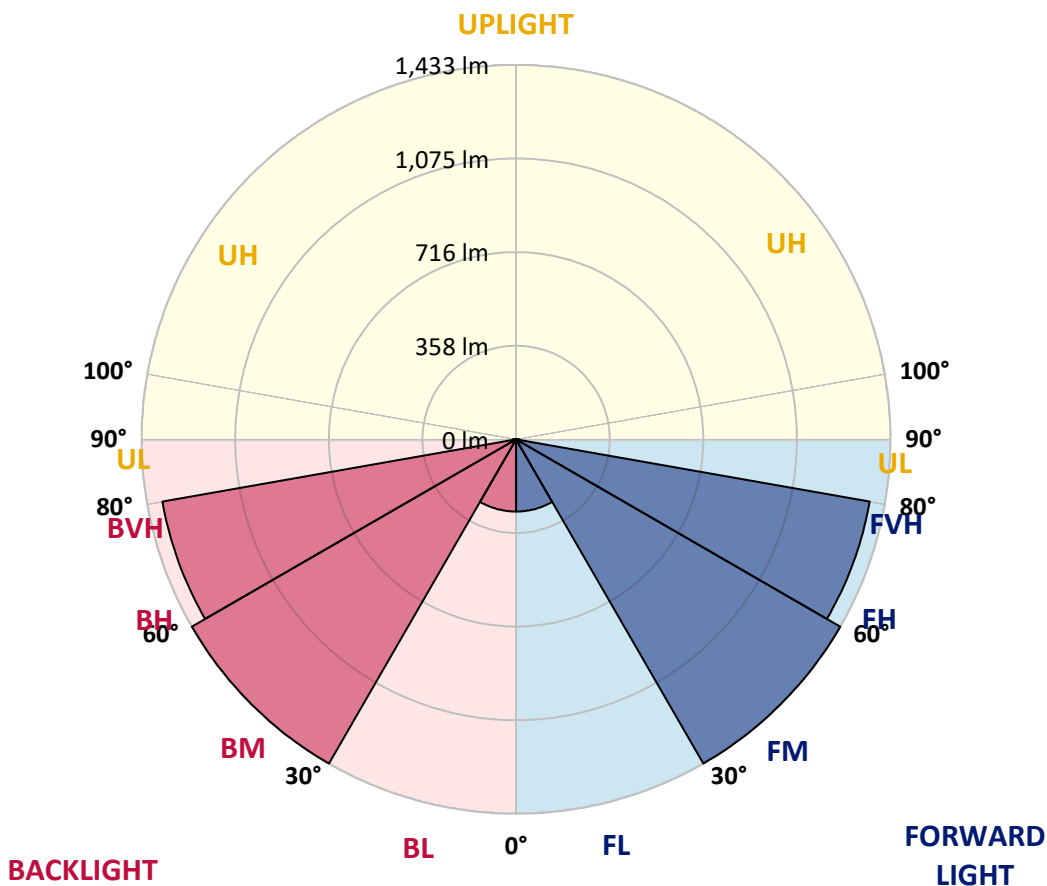
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.4	4.5			
FM (30°-60°)	1432.9	23.1			
FH (60°-80°)	1374.2	22.2			G1/1800
FVH (80°-90°)	13.3	0.2			G1/100
BL (0°-30°)	276.4	4.5	B1/500		
BM (30°-60°)	1432.9	23.1	B2/2500		
BH (60°-80°)	1374.2	22.2	B3/2500		G1/1800
BVH (80°-90°)	13.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7
2.5°	644.4	643.9	646.1	647.4	646.9	649.9	649.5	648.7	648.7	647.4	650.8
5°	644.4	643.9	645.7	646.1	645.2	647.8	646.9	646.1	646.1	644.4	647.4
7.5°	640.9	641.4	642.7	643.5	642.7	644.8	643.5	641.8	641.4	639.7	642.7
10°	634.5	634.9	636.2	638.4	638.8	642.7	640.5	637.5	636.2	634.5	637.5
12.5°	630.7	631.1	632.4	634.9	635.8	640.9	638.8	634.1	631.9	630.2	633.2
15°	629.8	630.2	631.9	634.5	635.8	640.9	638.8	633.2	630.2	628.1	630.7
17.5°	629.8	630.7	633.2	637.1	639.7	644.8	642.2	635.8	631.5	627.7	630.2
20°	630.2	631.5	635.4	640.9	647.4	654.7	651.2	642.7	636.7	631.9	633.7
22.5°	634.1	636.2	640.9	648.2	657.7	666.2	663.2	651.7	643.1	636.7	638.4
25°	647.4	648.2	654.2	663.7	672.7	680.0	677.0	666.2	655.5	647.8	649.9
27.5°	671.0	673.1	678.2	688.1	695.8	699.7	699.2	692.0	681.2	674.4	676.1
30°	699.2	701.4	708.3	719.4	727.1	731.4	730.1	724.5	714.7	705.3	707.0
32.5°	732.3	733.1	741.3	753.7	761.8	768.3	764.0	758.0	745.6	734.4	735.3
35°	774.3	775.6	784.1	795.7	802.1	807.3	806.4	800.4	787.1	775.1	778.1
37.5°	827.0	827.9	835.6	850.2	855.3	859.2	860.0	857.0	843.3	827.9	830.9
40°	892.6	893.0	901.6	914.5	920.0	922.6	923.0	923.5	909.3	897.7	896.9
42.5°	968.9	971.1	983.1	995.5	998.1	996.8	1001.1	1005.4	991.6	975.8	977.1
45°	1060.2	1061.5	1077.8	1091.5	1086.8	1082.5	1090.7	1099.2	1086.8	1066.2	1060.2
47.5°	1168.3	1170.8	1188.4	1202.1	1194.4	1186.7	1200.0	1209.0	1188.9	1167.0	1161.4
50°	1290.5	1292.2	1317.0	1334.2	1325.2	1311.0	1327.8	1337.2	1310.2	1283.2	1271.2
52.5°	1434.9	1431.5	1464.5	1494.5	1489.0	1470.5	1484.2	1486.0	1445.7	1407.5	1395.5
55°	1611.1	1607.7	1640.7	1673.7	1687.5	1682.7	1676.3	1666.0	1606.4	1565.7	1554.6
57.5°	1816.5	1805.8	1852.1	1896.7	1926.7	1935.3	1907.8	1883.8	1836.7	1786.5	1773.6
60°	2007.3	2006.9	2080.2	2157.3	2239.7	2274.0	2204.5	2139.3	2033.4	1942.1	1923.7
62.5°	2060.9	2069.9	2189.9	2381.1	2584.4	2705.7	2522.6	2307.0	2102.5	1964.8	1940.4
65°	1928.8	1951.1	2121.8	2423.6	2824.9	3121.5	2708.3	2310.8	2025.7	1854.2	1828.5
67.5°	1421.7	1466.2	1692.2	2186.9	2804.3	3228.3	2675.2	2096.9	1759.5	1555.4	1519.8
70°	701.4	743.8	923.0	1438.8	2307.4	2885.7	2314.7	1580.3	1188.4	992.1	959.5
72.5°	258.1	275.2	345.6	615.6	1273.3	2131.6	1582.9	882.7	575.8	458.3	436.4
75°	126.5	129.5	140.2	206.6	469.9	1003.2	743.8	338.7	211.8	184.4	178.3
77.5°	80.6	81.9	87.0	98.6	150.9	316.0	225.5	133.8	103.8	99.5	99.5
80°	45.0	46.3	53.2	61.3	70.7	108.5	81.0	80.2	68.2	59.6	58.3
82.5°	21.4	23.6	33.9	33.4	37.3	54.4	47.6	43.3	43.7	33.0	31.3
85°	9.9	9.9	13.3	15.9	16.7	18.4	21.9	24.9	24.4	16.7	18.0
87.5°	4.7	4.7	4.7	4.3	3.9	3.4	4.7	7.7	11.1	7.7	7.3
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)