

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: P630315

Luminaire Tested: GWS-SA1D-740-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630315
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-740-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6279.6 lumens
Efficiency: N/A
Efficacy: 141.8 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

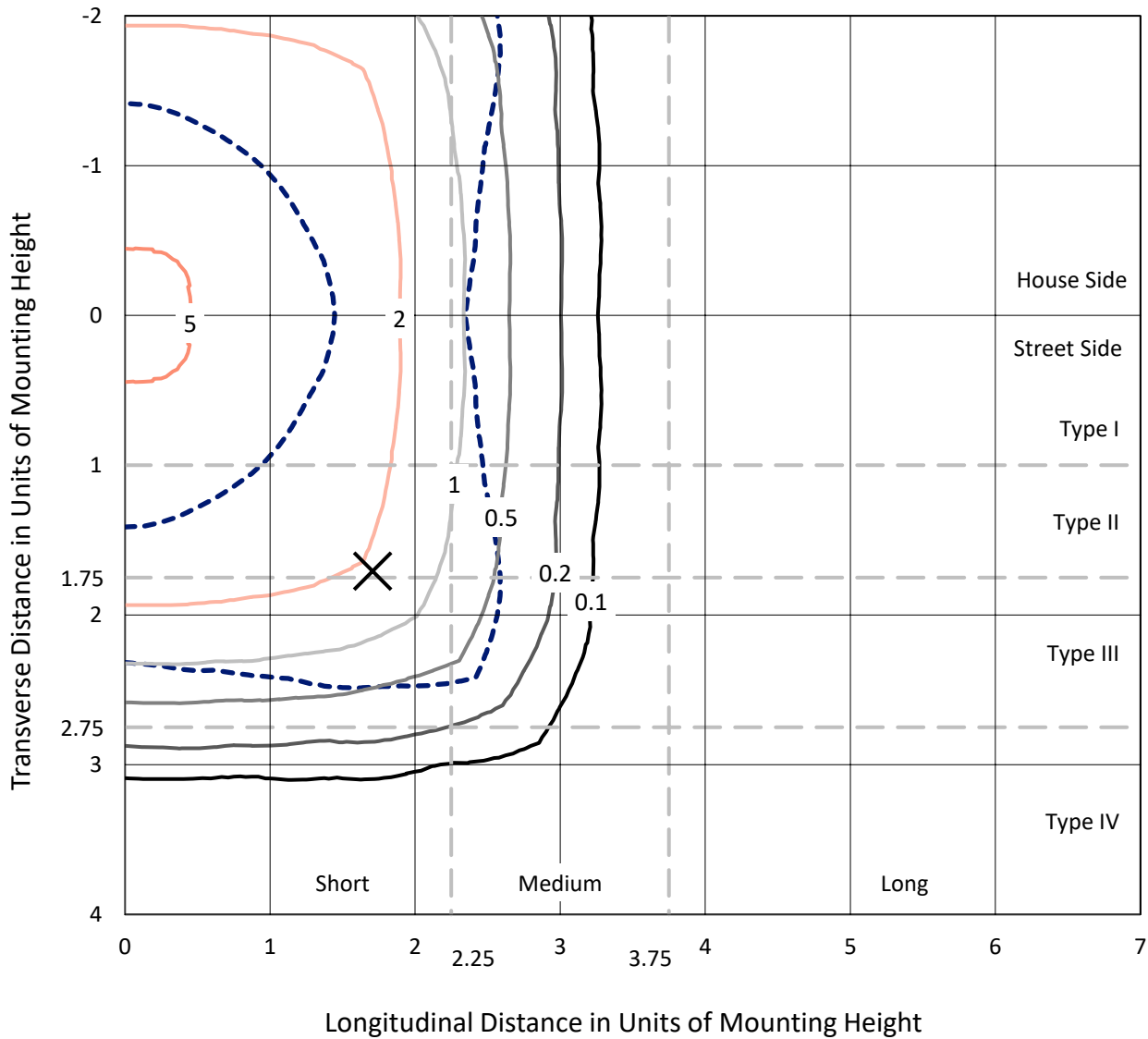
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

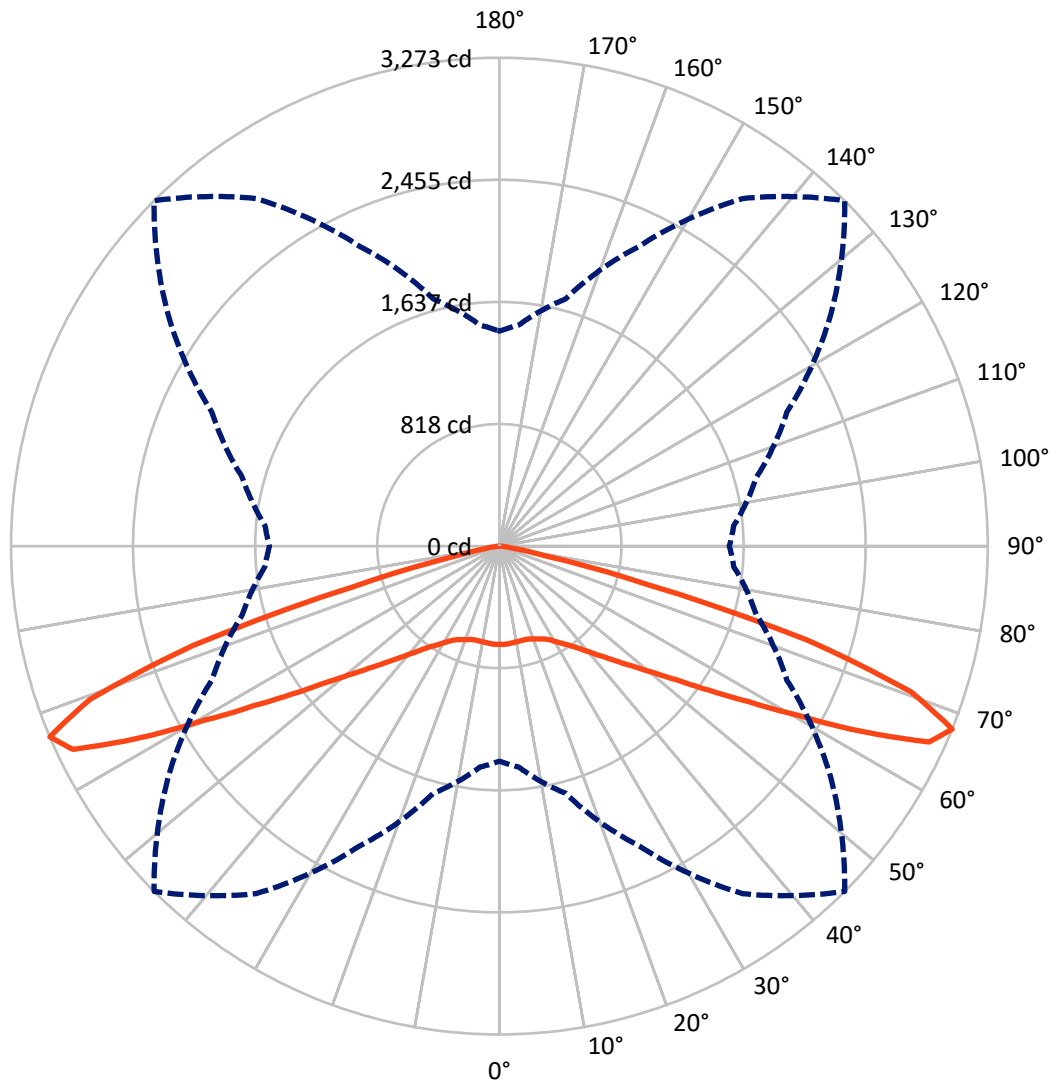
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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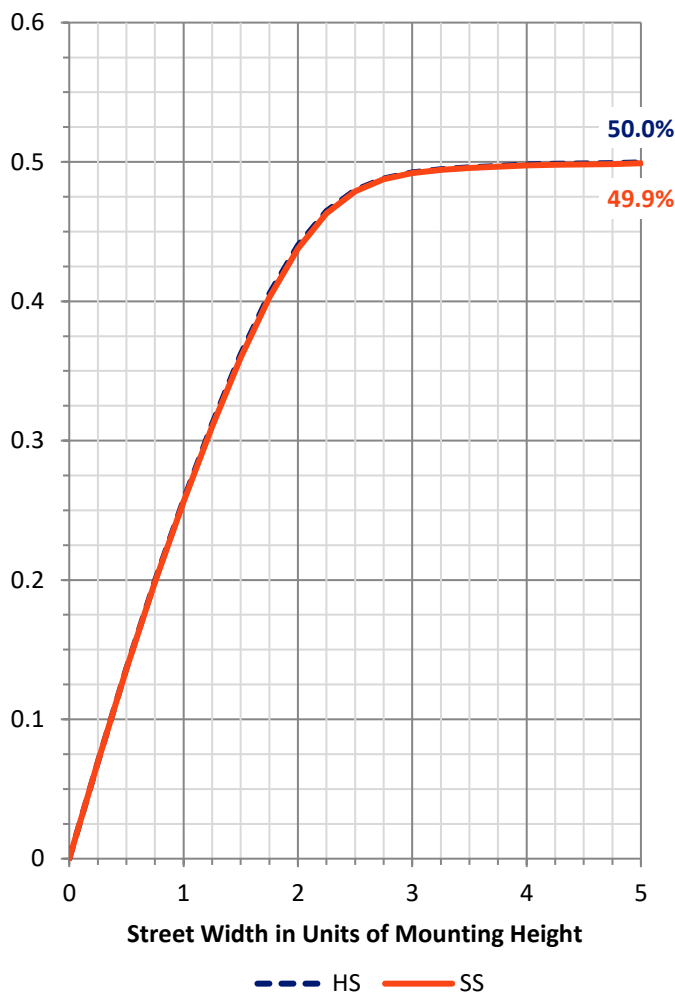
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3139.8	0.0	3139.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3139.8	0.0	3139.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6279.6	0.0	6279.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	1.0
10°-20°	182.8	2.9
20°-30°	315.3	5.0
30°-40°	512.7	8.2
40°-50°	863.3	13.7
50°-60°	1529.6	24.4
60°-70°	2186.5	34.8
70°-80°	600.1	9.6
80°-90°	26.9	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°	6279.6	100.0
0°-180°	6279.6	100.0

Coefficient of Utilization



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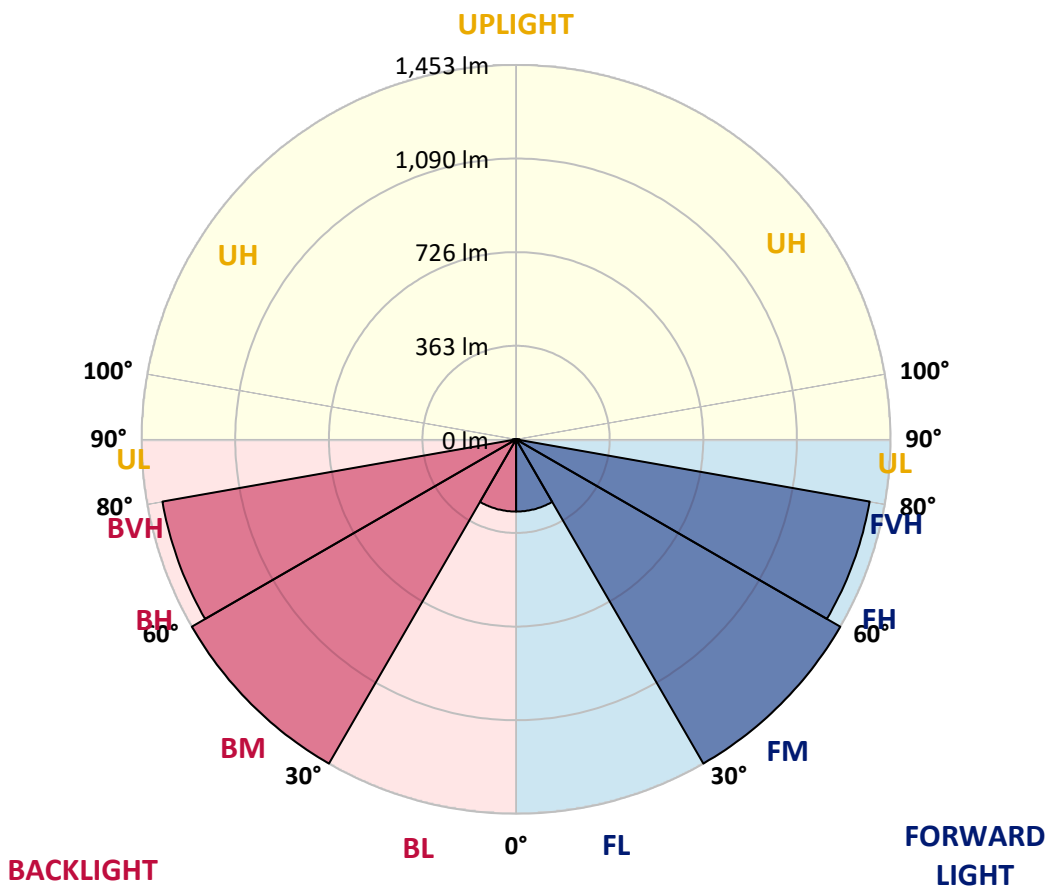
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.2	4.5			
FM (30°-60°)	1452.8	23.1			
FH (60°-80°)	1393.3	22.2			G1/1800
FVH (80°-90°)	13.4	0.2			G1/100
BL (0°-30°)	280.2	4.5	B1/500		
BM (30°-60°)	1452.8	23.1	B2/2500		
BH (60°-80°)	1393.3	22.2	B3/2500		G1/1800
BVH (80°-90°)	13.4	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°	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7	657.7
2.5°	653.3	652.9	655.1	656.4	655.9	659.0	658.5	657.7	657.7	656.4	659.9
5°	653.3	652.9	654.6	655.1	654.2	656.8	655.9	655.1	655.1	653.3	656.4
7.5°	649.9	650.3	651.6	652.5	651.6	653.8	652.5	650.7	650.3	648.5	651.6
10°	643.3	643.8	645.1	647.2	647.7	651.6	649.4	646.4	645.1	643.3	646.4
12.5°	639.4	639.9	641.2	643.8	644.6	649.9	647.7	642.9	640.7	639.0	642.0
15°	638.6	639.0	640.7	643.3	644.6	649.9	647.7	642.0	639.0	636.8	639.4
17.5°	638.6	639.4	642.0	645.9	648.5	653.8	651.2	644.6	640.3	636.4	639.0
20°	639.0	640.3	644.2	649.9	656.4	663.8	660.3	651.6	645.5	640.7	642.5
22.5°	642.9	645.1	649.9	657.2	666.8	675.5	672.5	660.7	652.0	645.5	647.2
25°	656.4	657.2	663.3	672.9	682.0	689.4	686.4	675.5	664.6	656.8	659.0
27.5°	680.3	682.5	687.7	697.7	705.5	709.4	709.0	701.6	690.7	683.8	685.5
30°	709.0	711.1	718.1	729.4	737.2	741.6	740.3	734.6	724.6	715.1	716.8
32.5°	742.4	743.3	751.6	764.2	772.4	779.0	774.6	768.5	755.9	744.6	745.5
35°	785.0	786.3	795.0	806.8	813.3	818.5	817.6	811.6	798.1	785.9	789.0
37.5°	838.5	839.4	847.2	862.0	867.2	871.1	872.0	868.9	855.0	839.4	842.4
40°	905.0	905.4	914.1	927.2	932.8	935.4	935.9	936.3	922.0	910.2	909.4
42.5°	982.4	984.6	996.7	1009.3	1011.9	1010.6	1015.0	1019.3	1005.4	989.3	990.6
45°	1075.0	1076.3	1092.8	1106.7	1101.9	1097.6	1105.8	1114.5	1101.9	1081.1	1075.0
47.5°	1184.5	1187.1	1204.9	1218.9	1211.0	1203.2	1216.7	1225.8	1205.4	1183.2	1177.6
50°	1308.4	1310.1	1335.4	1352.7	1343.6	1329.3	1346.2	1355.8	1328.4	1301.0	1288.8
52.5°	1454.9	1451.4	1484.9	1515.3	1509.7	1491.0	1504.9	1506.6	1465.8	1427.1	1414.9
55°	1633.5	1630.1	1663.5	1697.0	1710.9	1706.1	1699.6	1689.2	1628.8	1587.5	1576.2
57.5°	1841.8	1830.9	1877.8	1923.0	1953.5	1962.2	1934.3	1910.0	1862.2	1811.3	1798.3
60°	2035.2	2034.8	2109.1	2187.3	2270.8	2305.6	2235.1	2169.1	2061.7	1969.1	1950.4
62.5°	2089.5	2098.7	2220.4	2414.2	2620.3	2743.3	2557.7	2339.0	2131.7	1992.2	1967.4
65°	1955.6	1978.2	2151.3	2457.3	2864.1	3164.9	2745.9	2342.9	2053.9	1880.0	1853.9
67.5°	1441.4	1486.6	1715.7	2217.3	2843.3	3273.2	2712.4	2126.0	1783.9	1577.0	1541.0
70°	711.1	754.2	935.9	1458.8	2339.5	2925.9	2346.9	1602.2	1204.9	1005.9	972.8
72.5°	261.7	279.1	350.4	624.2	1291.0	2161.3	1604.9	895.0	583.8	464.7	442.5
75°	128.2	131.3	142.1	209.5	476.4	1017.2	754.2	343.4	214.7	186.9	180.8
77.5°	81.7	83.0	88.2	100.0	153.0	320.4	228.6	135.6	105.2	100.8	100.8
80°	45.6	46.9	53.9	62.2	71.7	110.0	82.2	81.3	69.1	60.4	59.1
82.5°	21.7	23.9	34.3	33.9	37.8	55.2	48.2	43.9	44.3	33.5	31.7
85°	10.0	10.0	13.5	16.1	17.0	18.7	22.2	25.2	24.8	17.0	18.3
87.5°	4.8	4.8	4.8	4.3	3.9	3.5	4.8	7.8	11.3	7.8	7.4
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)