

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: P630318

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6337.8 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

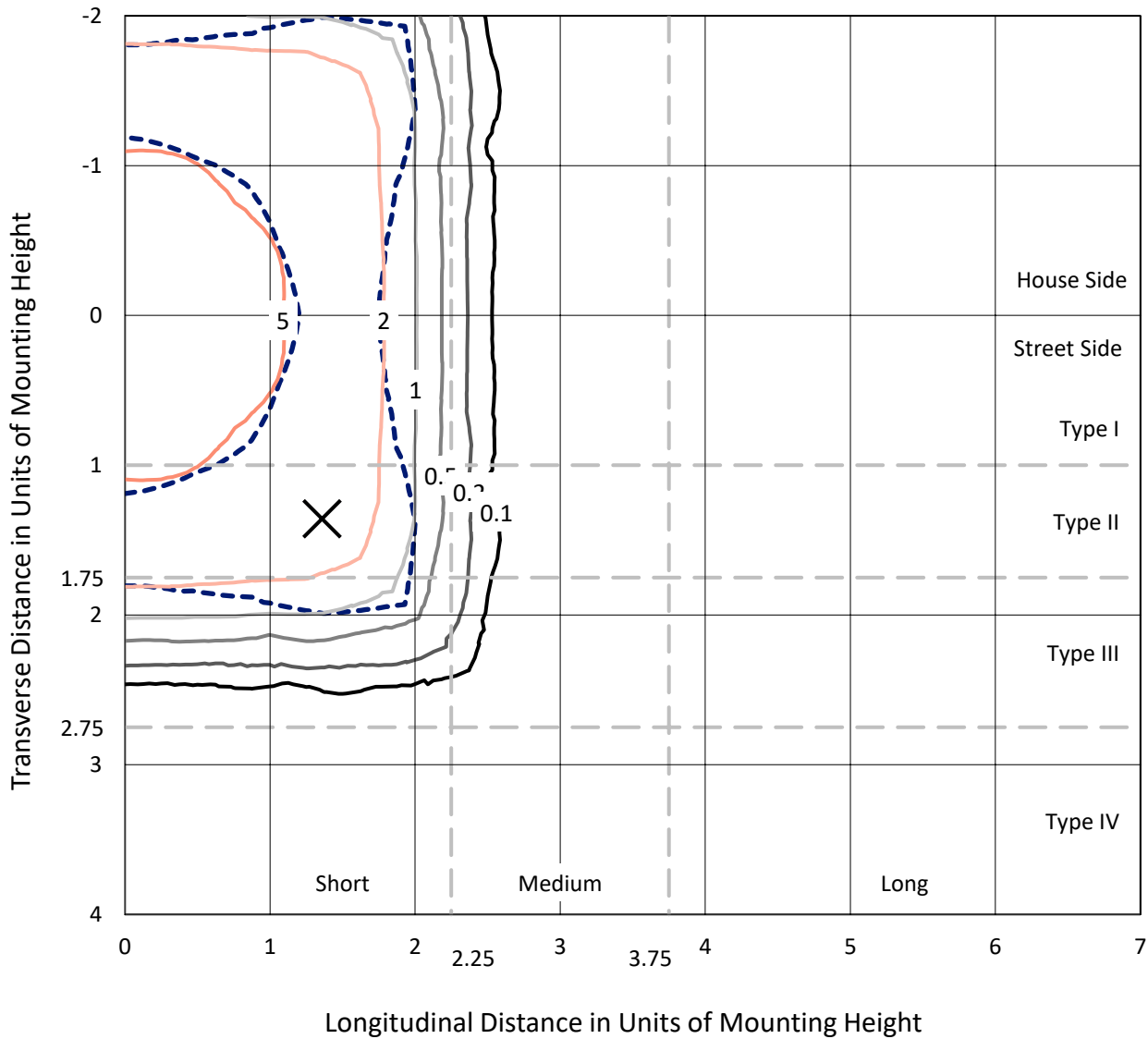
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

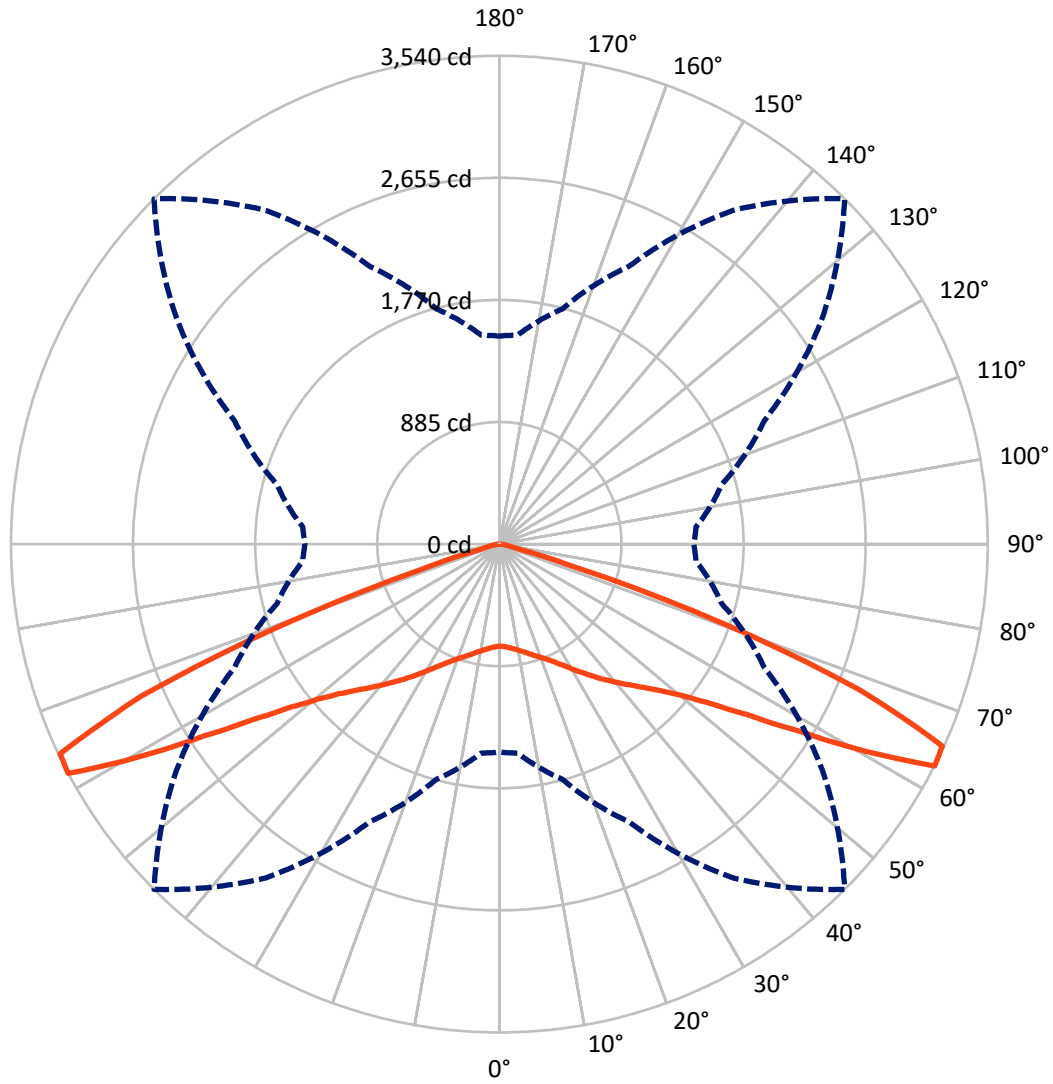
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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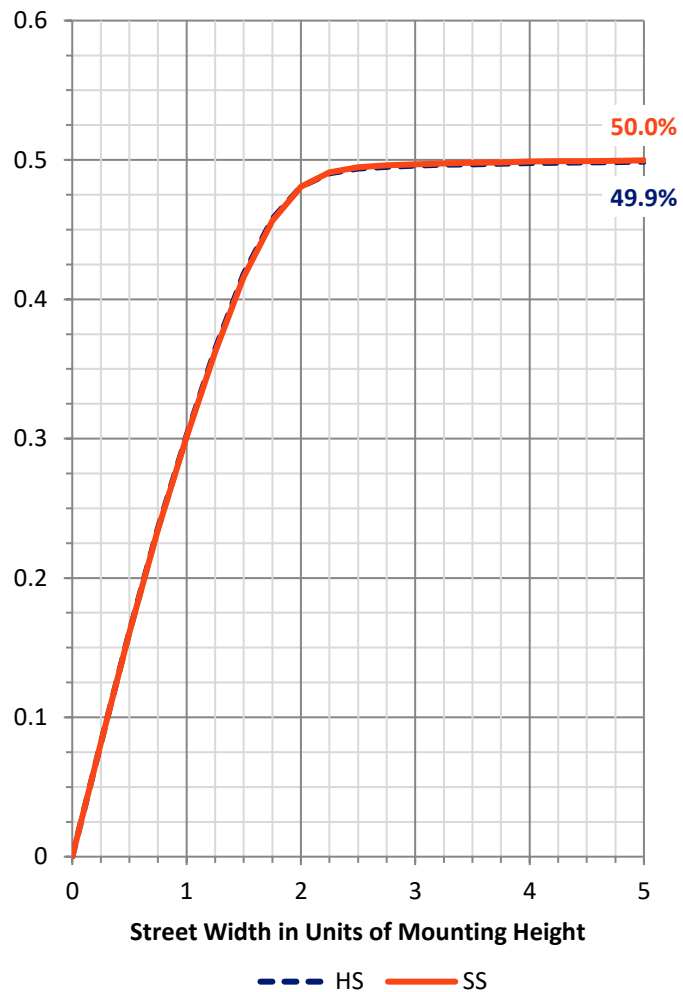
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3168.9	0.0	3168.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3168.9	0.0	3168.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6337.8	0.0	6337.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	1.1
10°-20°	233.9	3.7
20°-30°	442.6	7.0
30°-40°	744.9	11.8
40°-50°	1190.2	18.8
50°-60°	1918.6	30.3
60°-70°	1565.3	24.7
70°-80°	152.0	2.4
80°-90°	17.7	0.3
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°	6337.8	100.0
0°-180°	6337.8	100.0

Coefficient of Utilization



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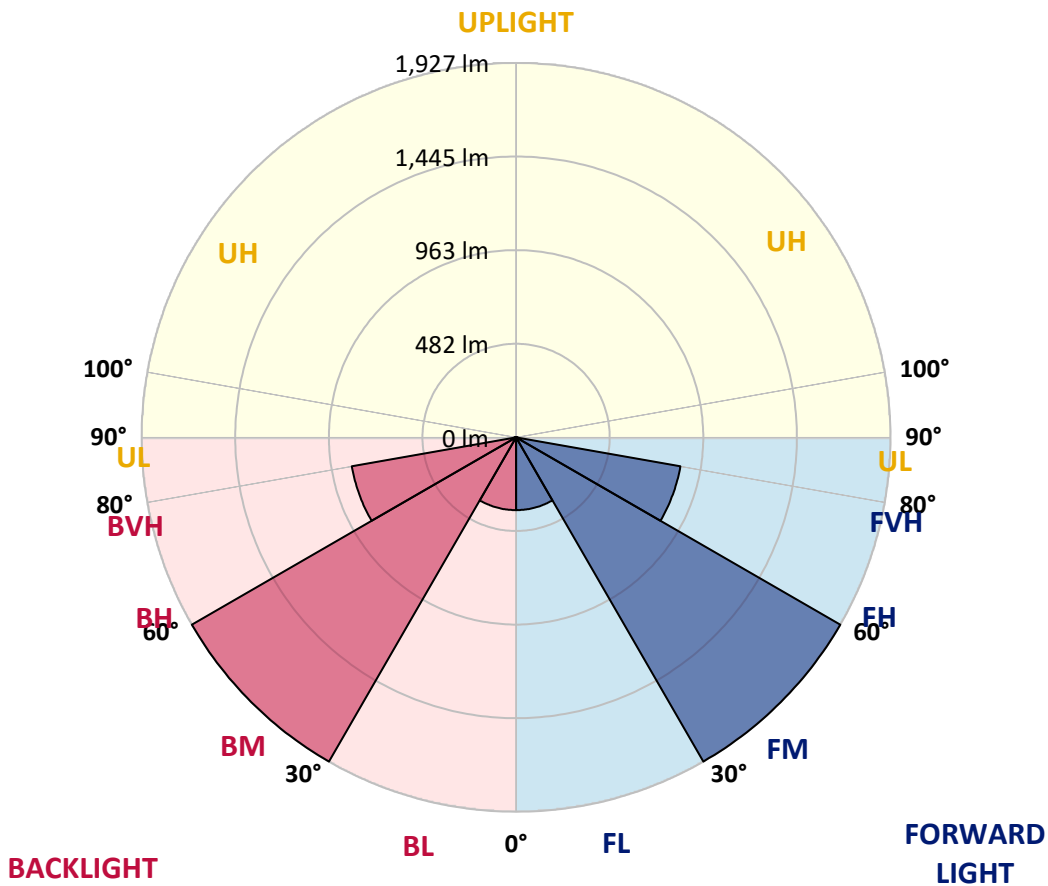
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.5	5.9			
FM (30°-60°)	1926.9	30.4			
FH (60°-80°)	858.7	13.5			G1/1800
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	374.5	5.9	B1/500		
BM (30°-60°)	1926.9	30.4	B2/2500		
BH (60°-80°)	858.7	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4	739.4
2.5°	738.5	738.5	740.3	741.6	740.7	744.2	743.7	742.9	742.4	741.1	745.0
5°	748.5	748.5	749.8	751.1	749.0	753.3	751.6	750.7	750.3	748.5	752.0
7.5°	759.8	761.1	761.6	763.7	762.4	767.2	765.9	764.2	763.3	761.1	764.2
10°	772.4	773.3	773.7	777.6	778.1	783.7	782.4	780.2	778.5	776.3	780.7
12.5°	789.4	789.8	791.1	795.9	797.2	801.5	801.1	798.1	795.9	792.9	797.6
15°	811.1	811.5	813.7	818.5	820.7	825.9	824.2	819.4	816.3	812.9	816.8
17.5°	833.7	835.5	837.6	842.4	845.5	851.5	849.4	844.1	841.5	838.1	840.7
20°	862.8	863.3	864.6	869.8	872.0	878.9	879.4	874.1	872.8	869.4	873.3
22.5°	895.0	895.4	896.7	902.4	906.3	910.7	913.3	910.2	908.0	903.7	908.5
25°	930.6	935.0	936.3	943.3	947.6	950.2	953.3	951.9	948.9	943.7	945.9
27.5°	980.6	981.5	983.7	991.5	994.1	996.7	999.8	1000.2	995.9	989.8	992.8
30°	1037.6	1037.1	1041.9	1048.0	1050.2	1052.4	1056.7	1059.3	1053.7	1047.1	1050.2
32.5°	1095.8	1101.0	1107.1	1112.8	1111.5	1112.3	1119.3	1124.1	1116.3	1104.5	1107.1
35°	1161.5	1164.9	1172.8	1181.0	1179.3	1178.0	1182.3	1187.1	1176.2	1161.0	1164.9
37.5°	1228.8	1234.1	1245.8	1255.8	1253.2	1247.1	1251.9	1257.1	1246.7	1229.3	1227.5
40°	1304.0	1312.3	1329.2	1337.5	1330.6	1318.8	1327.1	1339.7	1329.2	1309.3	1304.5
42.5°	1392.3	1402.3	1419.2	1431.8	1416.6	1397.5	1411.4	1429.7	1427.1	1400.5	1392.3
45°	1501.4	1507.9	1528.8	1534.9	1512.2	1485.7	1510.9	1538.8	1532.2	1503.6	1492.7
47.5°	1620.1	1630.0	1648.3	1659.6	1623.1	1590.1	1625.3	1662.6	1655.7	1628.7	1616.1
50°	1771.3	1784.4	1808.3	1817.8	1767.4	1729.6	1774.8	1822.2	1808.7	1772.6	1756.1
52.5°	1936.1	1946.5	1987.4	2006.5	1959.1	1918.2	1957.8	2004.3	1975.6	1927.8	1905.6
55°	2081.2	2091.7	2151.7	2215.1	2213.0	2184.7	2204.7	2205.6	2127.8	2048.6	2025.2
57.5°	2112.5	2123.0	2237.3	2403.3	2520.7	2553.3	2494.6	2371.2	2175.1	2036.5	2010.0
60°	1945.6	1957.4	2139.1	2442.5	2828.5	3046.2	2775.9	2367.7	2028.6	1840.9	1815.7
62.5°	1507.5	1520.1	1764.4	2219.9	2952.8	3539.6	2857.6	2118.6	1668.7	1431.0	1408.8
65°	719.8	719.8	1030.2	1592.2	2705.0	3527.9	2621.1	1567.5	1004.5	771.6	752.4
67.5°	178.2	179.1	265.2	619.9	1840.0	2815.4	1870.0	752.4	353.8	250.4	243.9
70°	111.3	110.8	123.0	167.8	643.8	1708.7	764.6	226.9	143.9	126.9	126.1
72.5°	86.5	86.5	92.6	107.4	168.7	582.0	223.0	126.1	104.3	93.9	93.9
75°	68.2	68.2	72.6	80.4	99.5	150.0	118.7	93.5	80.9	73.9	73.0
77.5°	50.9	51.7	55.2	60.4	67.8	84.3	75.2	70.4	63.0	57.8	56.1
80°	33.0	34.3	38.7	41.7	44.3	55.6	49.1	51.3	47.8	41.7	40.9
82.5°	17.8	18.3	23.5	24.3	25.2	30.4	31.3	32.6	33.9	26.5	24.8
85°	6.5	6.5	7.8	9.1	10.0	10.9	14.8	18.3	19.1	15.2	14.8
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.6	4.8	7.8	6.1	6.1
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)