

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: P630428

Luminaire Tested: GWS-SA1D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630428
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-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6394.2 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

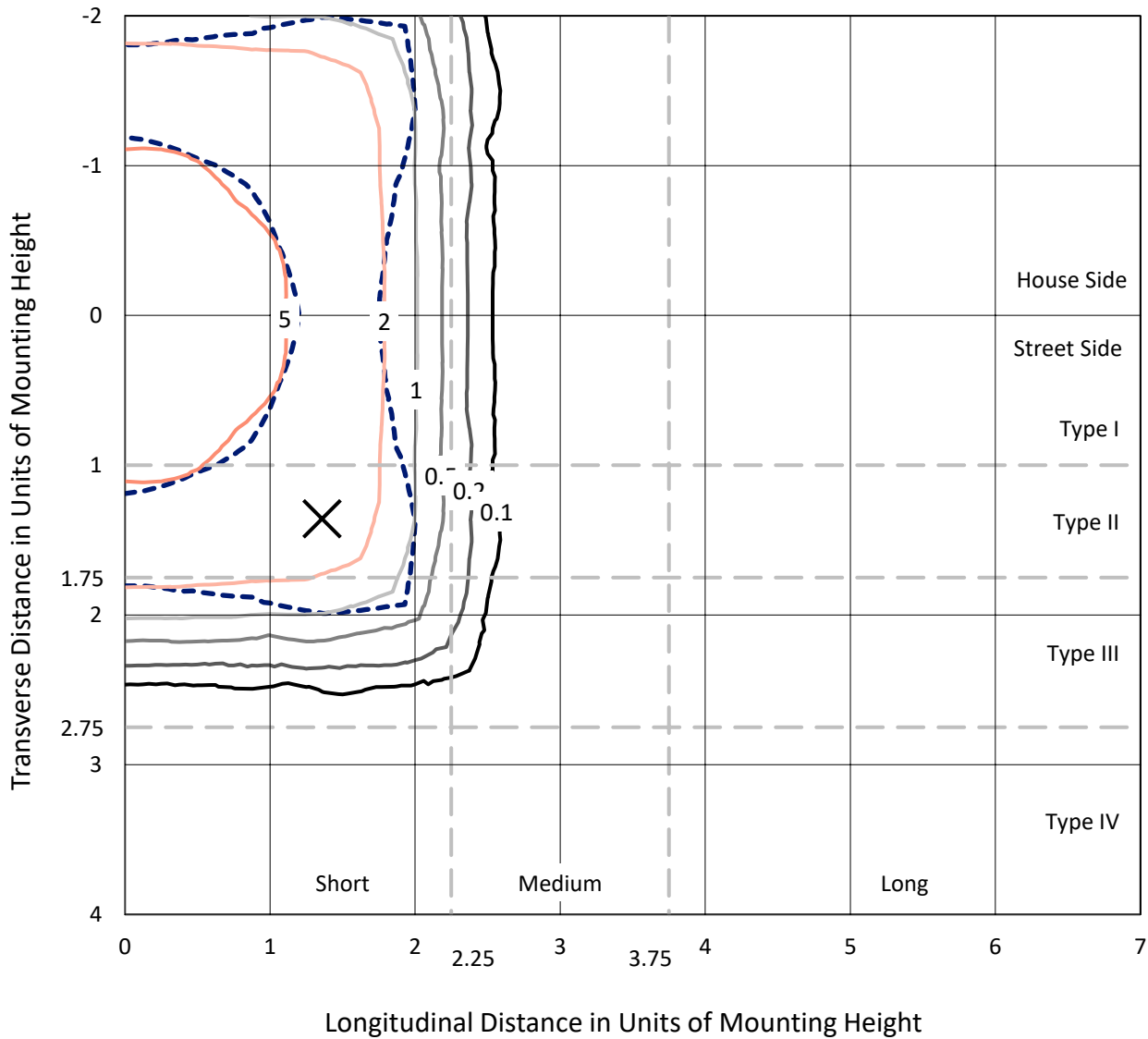
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

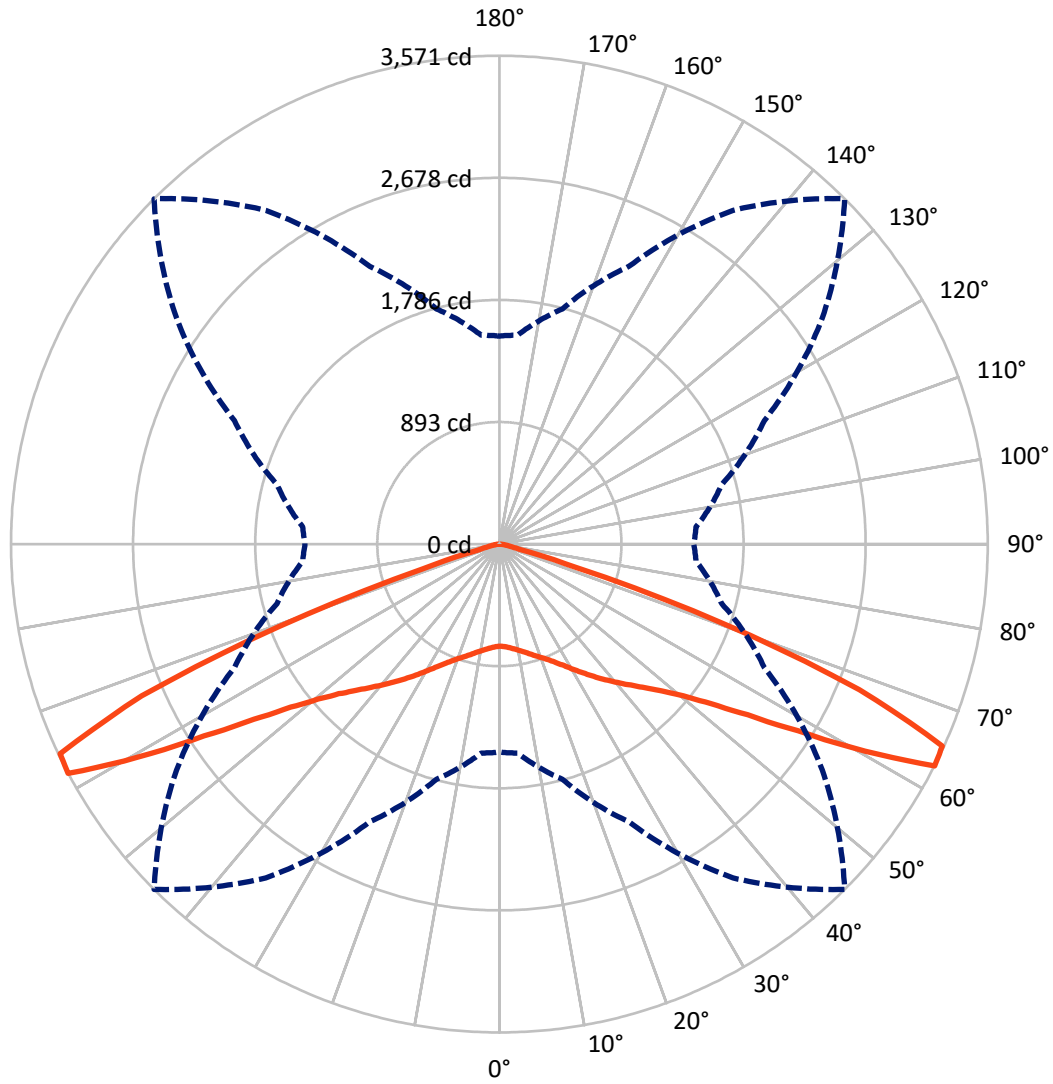
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	3197.1	0.0	3197.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3197.1	0.0	3197.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6394.2	0.0	6394.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	1.1
10°-20°	236.0	3.7
20°-30°	446.5	7.0
30°-40°	751.6	11.8
40°-50°	1200.8	18.8
50°-60°	1935.6	30.3
60°-70°	1579.3	24.7
70°-80°	153.4	2.4
80°-90°	17.8	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°	6394.2	100.0
0°-180°	6394.2	100.0

Coefficient of Utilization



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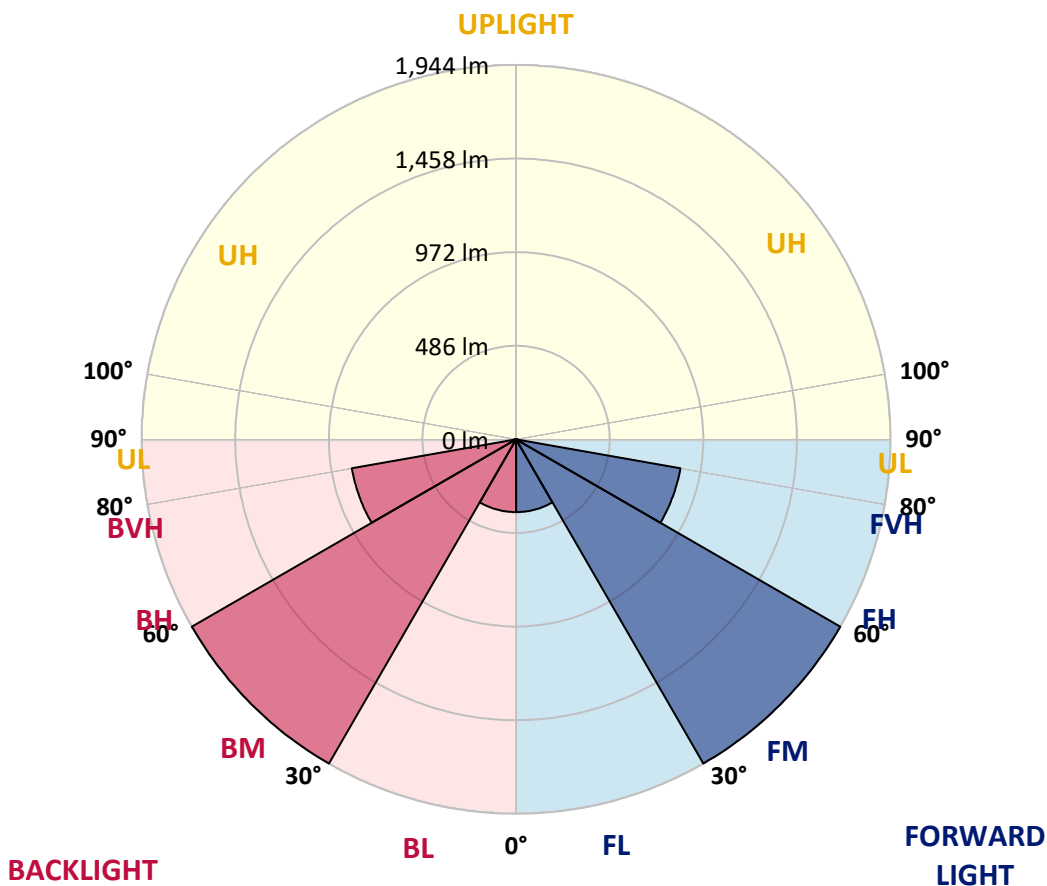
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.9	5.9			
FM (30°-60°)	1944.0	30.4			
FH (60°-80°)	866.3	13.5			G1/1800
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	377.9	5.9	B1/500		
BM (30°-60°)	1944.0	30.4	B2/2500		
BH (60°-80°)	866.3	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.9	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°	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0
2.5°	745.1	745.1	746.8	748.2	747.3	750.8	750.4	749.5	749.0	747.7	751.7
5°	755.2	755.2	756.5	757.8	755.6	760.0	758.2	757.4	756.9	755.2	758.7
7.5°	766.6	767.9	768.3	770.5	769.2	774.0	772.7	771.0	770.1	767.9	771.0
10°	779.3	780.2	780.6	784.6	785.0	790.7	789.4	787.2	785.4	783.2	787.6
12.5°	796.4	796.8	798.2	803.0	804.3	808.7	808.2	805.2	803.0	799.9	804.7
15°	818.3	818.8	821.0	825.8	828.0	833.2	831.5	826.7	823.6	820.1	824.0
17.5°	841.1	842.9	845.1	849.9	853.0	859.1	856.9	851.7	849.0	845.5	848.2
20°	870.5	871.0	872.3	877.5	879.7	886.7	887.2	881.9	880.6	877.1	881.0
22.5°	903.0	903.4	904.7	910.4	914.4	918.8	921.4	918.3	916.1	911.7	916.6
25°	938.9	943.3	944.6	951.6	956.0	958.7	961.7	960.4	957.3	952.1	954.3
27.5°	989.4	990.2	992.4	1000.3	1003.0	1005.6	1008.7	1009.1	1004.7	998.6	1001.6
30°	1046.8	1046.4	1051.2	1057.3	1059.5	1061.7	1066.1	1068.7	1063.0	1056.5	1059.5
32.5°	1105.6	1110.8	1117.0	1122.7	1121.4	1122.2	1129.3	1134.1	1126.2	1114.3	1117.0
35°	1171.8	1175.3	1183.2	1191.5	1189.8	1188.5	1192.8	1197.7	1186.7	1171.4	1175.3
37.5°	1239.8	1245.0	1256.9	1267.0	1264.3	1258.2	1263.0	1268.3	1257.8	1240.2	1238.5
40°	1315.6	1324.0	1341.1	1349.4	1342.4	1330.6	1338.9	1351.6	1341.1	1320.9	1316.1
42.5°	1404.7	1414.8	1431.9	1444.6	1429.2	1409.9	1424.0	1442.4	1439.8	1413.0	1404.7
45°	1514.7	1521.3	1542.4	1548.5	1525.7	1499.0	1524.4	1552.5	1545.9	1516.9	1506.0
47.5°	1634.5	1644.6	1663.0	1674.4	1637.5	1604.2	1639.7	1677.4	1670.4	1643.2	1630.5
50°	1787.1	1800.2	1824.4	1834.0	1783.1	1745.0	1790.6	1838.4	1824.8	1788.4	1771.7
52.5°	1953.3	1963.8	2005.0	2024.3	1976.5	1935.3	1975.2	2022.1	1993.2	1945.0	1922.6
55°	2099.8	2110.3	2170.8	2234.8	2232.6	2204.1	2224.3	2225.2	2146.7	2066.9	2043.2
57.5°	2131.3	2141.9	2257.2	2424.7	2543.1	2576.0	2516.8	2392.3	2194.5	2054.6	2027.8
60°	1962.9	1974.8	2158.1	2464.2	2853.6	3073.3	2800.6	2388.8	2046.7	1857.2	1831.8
62.5°	1520.9	1533.6	1780.1	2239.7	2979.1	3571.1	2883.0	2137.5	1683.6	1443.7	1421.3
65°	726.2	726.2	1039.4	1606.4	2729.1	3559.3	2644.4	1581.4	1013.5	778.4	759.1
67.5°	179.8	180.7	267.5	625.4	1856.4	2840.5	1886.6	759.1	357.0	252.6	246.0
70°	112.3	111.8	124.1	169.3	649.5	1723.9	771.4	228.9	145.2	128.1	127.2
72.5°	87.3	87.3	93.4	108.3	170.2	587.2	225.0	127.2	105.3	94.7	94.7
75°	68.9	68.9	73.2	81.1	100.4	151.3	119.7	94.3	81.6	74.6	73.7
77.5°	51.3	52.2	55.7	61.0	68.4	85.1	75.9	71.0	63.6	58.3	56.6
80°	33.3	34.6	39.0	42.1	44.7	56.1	49.6	51.7	48.2	42.1	41.2
82.5°	18.0	18.4	23.7	24.6	25.4	30.7	31.6	32.9	34.2	26.8	25.0
85°	6.6	6.6	7.9	9.2	10.1	11.0	14.9	18.4	19.3	15.3	14.9
87.5°	1.3	1.3	1.3	0.9	0.9	0.9	2.6	4.8	7.9	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)