

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: P630320

Luminaire Tested: GWS-SA1D-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5121.1 lumens
Efficiency: N/A
Efficacy: 115.6 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

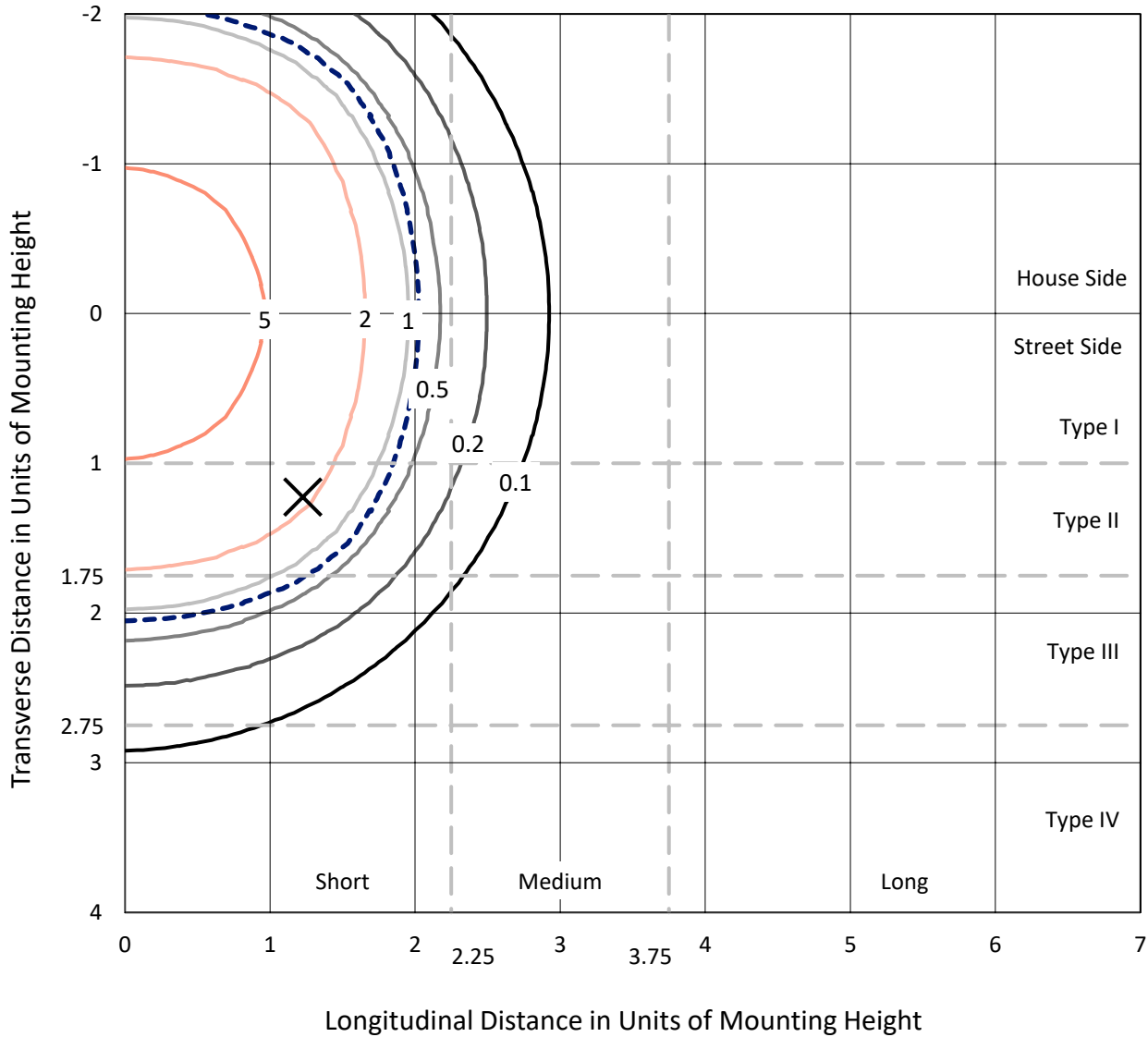
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

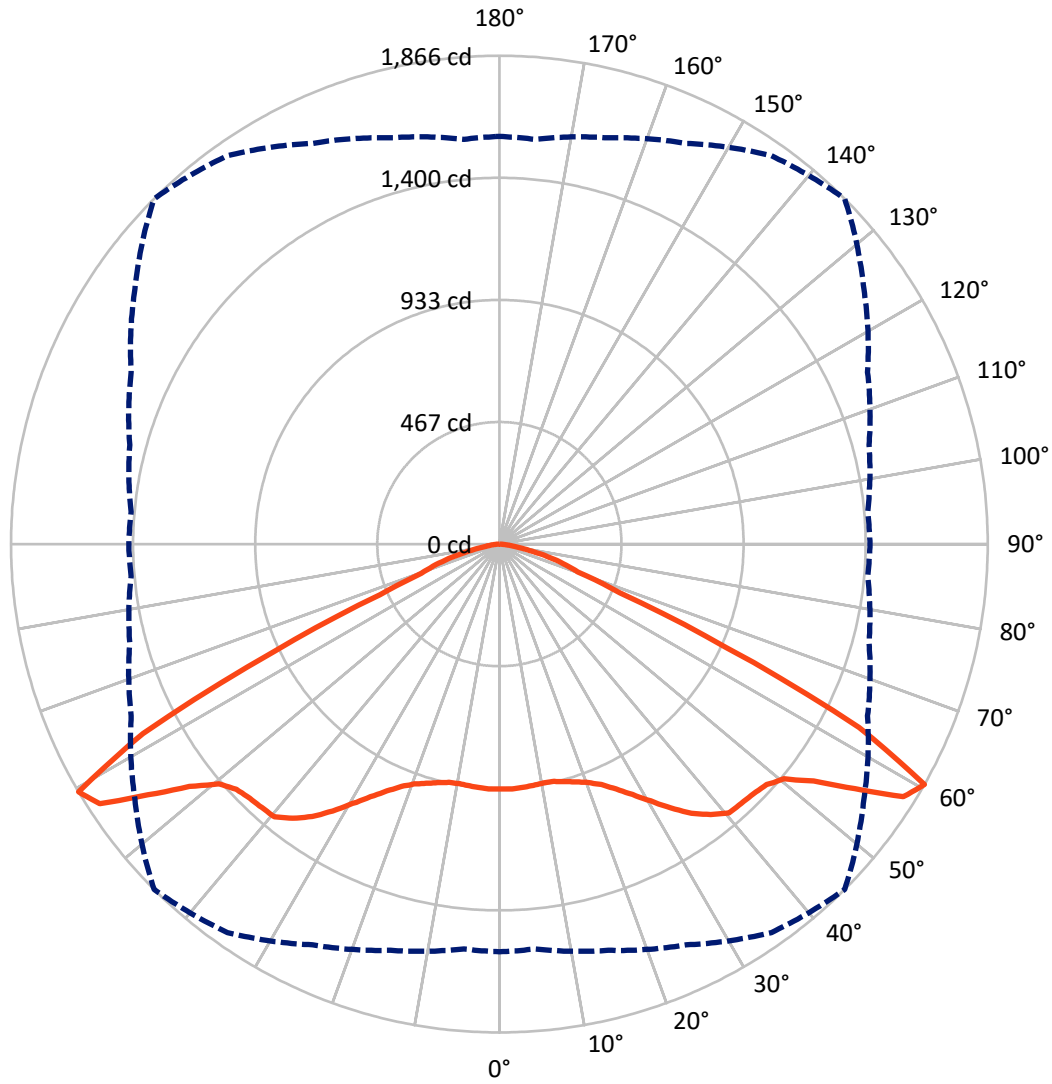
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2560.6	0.0	2560.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2560.6	0.0	2560.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5121.1	0.0	5121.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	1.7
10°-20°	267.0	5.2
20°-30°	472.3	9.2
30°-40°	760.4	14.8
40°-50°	1045.2	20.4
50°-60°	1392.8	27.2
60°-70°	868.0	17.0
70°-80°	199.6	3.9
80°-90°	27.1	0.5
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°	5121.1	100.0
0°-180°	5121.1	100.0

Coefficient of Utilization



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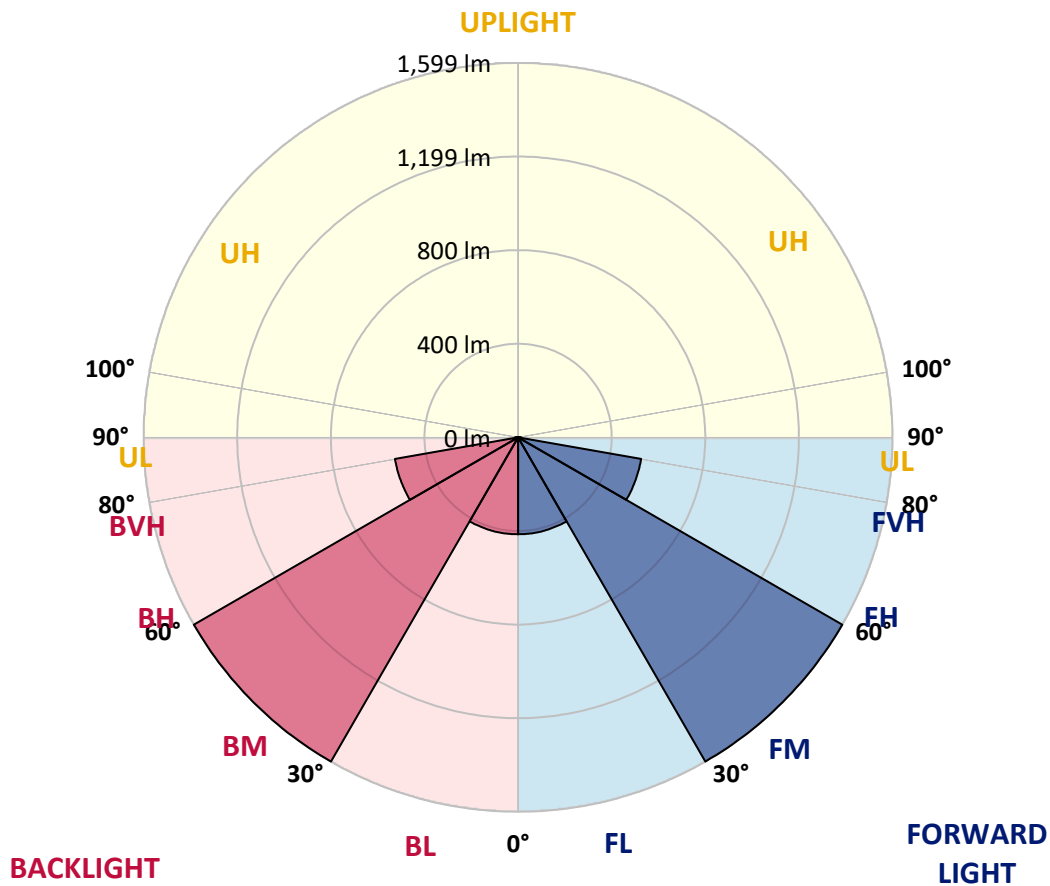
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.0	8.1			
FM (30°-60°)	1599.2	31.2			
FH (60°-80°)	533.8	10.4			G0/660
FVH (80°-90°)	13.5	0.3			G1/100
BL (0°-30°)	414.0	8.1	B1/500		
BM (30°-60°)	1599.2	31.2	B2/2500		
BH (60°-80°)	533.8	10.4	B2/1000		G0/660
BVH (80°-90°)	13.5	0.3			G1/100
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°	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9	935.9
2.5°	929.4	930.2	932.0	933.3	935.0	936.7	937.6	935.9	935.0	931.5	935.4
5°	930.2	931.1	932.4	932.4	932.8	934.1	934.1	932.0	929.8	925.9	930.2
7.5°	928.9	929.8	930.2	929.8	930.2	930.7	929.8	927.2	925.0	921.5	925.0
10°	926.7	927.6	928.5	927.6	926.7	928.0	928.0	926.3	925.0	921.5	925.4
12.5°	931.5	932.8	933.3	931.1	930.2	930.7	930.7	928.9	928.9	925.9	930.2
15°	942.8	943.7	942.4	939.8	940.2	941.5	938.5	934.1	933.3	932.0	935.4
17.5°	951.5	952.4	951.1	949.3	952.4	955.4	949.8	941.5	938.9	938.0	942.0
20°	961.1	962.4	960.7	962.8	968.9	972.4	965.4	954.1	948.9	947.6	952.4
22.5°	976.7	978.5	978.5	983.3	992.4	998.0	989.3	974.1	966.3	964.1	968.9
25°	1001.5	1002.8	1004.1	1013.7	1028.5	1036.3	1022.4	1001.5	990.6	987.2	989.8
27.5°	1035.9	1038.0	1040.2	1054.1	1072.4	1083.7	1063.7	1037.6	1024.1	1017.2	1022.4
30°	1076.7	1079.8	1085.0	1100.6	1126.3	1138.9	1113.2	1081.5	1066.3	1058.9	1065.8
32.5°	1132.4	1132.8	1136.7	1154.1	1188.0	1202.3	1170.2	1135.0	1119.3	1110.6	1114.5
35°	1198.4	1198.9	1192.8	1210.6	1247.1	1263.2	1225.4	1189.7	1176.7	1174.1	1184.1
37.5°	1266.2	1262.3	1256.2	1264.1	1301.0	1311.4	1271.4	1241.0	1235.4	1240.2	1254.9
40°	1314.5	1308.0	1295.8	1301.4	1338.8	1351.0	1308.4	1279.7	1278.0	1289.7	1307.5
42.5°	1345.8	1338.8	1324.5	1324.5	1350.1	1355.3	1322.3	1307.1	1311.0	1324.5	1341.4
45°	1361.0	1357.1	1348.8	1344.5	1358.8	1361.0	1335.8	1329.7	1337.1	1343.6	1356.6
47.5°	1372.7	1372.7	1370.1	1365.8	1372.3	1373.6	1354.9	1353.2	1362.7	1362.7	1371.4
50°	1393.6	1395.8	1399.2	1398.4	1405.3	1409.7	1395.8	1393.2	1397.1	1384.5	1388.8
52.5°	1448.4	1454.0	1464.0	1471.8	1489.7	1503.1	1478.4	1457.5	1437.1	1409.2	1410.1
55°	1546.6	1549.2	1568.8	1591.8	1621.8	1649.2	1598.3	1533.6	1489.2	1456.6	1457.1
57.5°	1629.6	1633.5	1662.2	1710.5	1777.9	1820.5	1707.9	1599.6	1537.0	1497.1	1498.4
60°	1557.9	1552.7	1607.0	1689.6	1811.8	1866.1	1700.0	1552.3	1462.3	1412.7	1416.2
62.5°	1205.4	1195.4	1255.8	1342.3	1488.8	1543.1	1390.1	1248.4	1163.2	1124.5	1118.9
65°	733.7	724.6	768.1	821.1	920.2	954.6	884.6	809.4	735.0	711.6	705.1
67.5°	399.5	398.2	409.9	436.0	479.5	495.5	482.1	446.4	427.3	410.8	410.8
70°	316.9	314.3	312.1	312.5	316.4	318.6	319.1	317.3	319.5	319.9	318.2
72.5°	262.5	261.7	257.3	257.8	256.0	255.2	258.2	259.9	263.4	263.9	263.9
75°	190.4	188.2	190.4	190.8	189.1	189.1	191.3	190.8	192.6	193.4	188.7
77.5°	108.2	108.2	111.3	114.8	117.4	117.4	119.5	119.5	121.7	121.3	120.4
80°	59.6	59.6	61.3	63.5	66.1	68.7	70.9	71.3	72.6	72.2	70.9
82.5°	33.9	34.3	35.2	36.5	39.1	41.3	43.5	43.9	45.2	45.2	43.9
85°	16.1	15.6	16.1	17.0	18.3	20.0	22.2	23.5	24.3	24.3	23.5
87.5°	3.0	3.5	3.0	3.5	3.9	5.2	6.1	7.0	8.3	8.7	7.8
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)