

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: P630595

Luminaire Tested: GWS-SA1E-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630595
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-SA1E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4713.9 lumens
Efficiency: N/A
Efficacy: 80.7 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

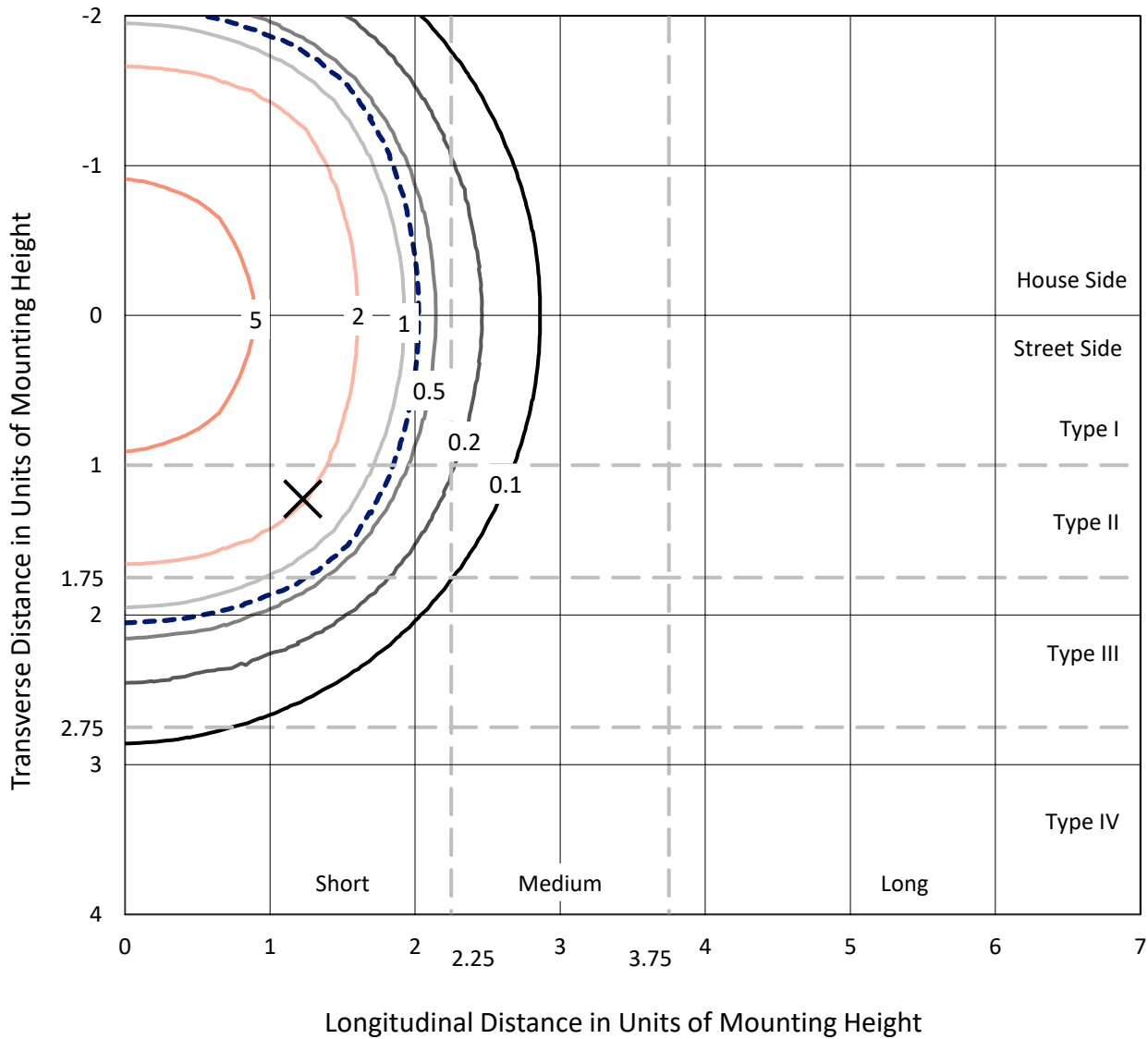
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

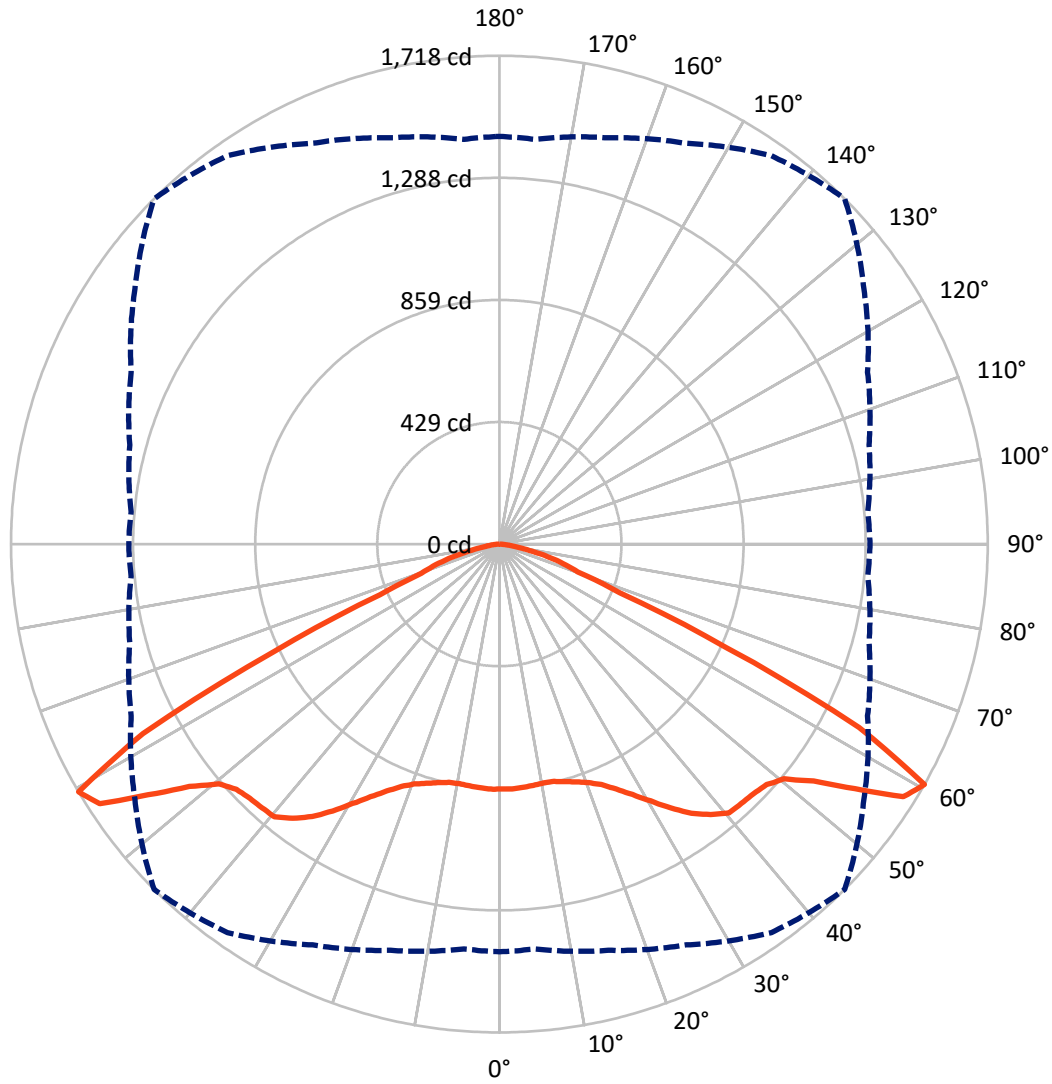
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	2357.0	0.0	2357.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2357.0	0.0	2357.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4713.9	0.0	4713.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.7
10°-20°	245.7	5.2
20°-30°	434.7	9.2
30°-40°	699.9	14.8
40°-50°	962.1	20.4
50°-60°	1282.0	27.2
60°-70°	799.0	17.0
70°-80°	183.7	3.9
80°-90°	24.9	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°	4713.9	100.0
0°-180°	4713.9	100.0

Coefficient of Utilization



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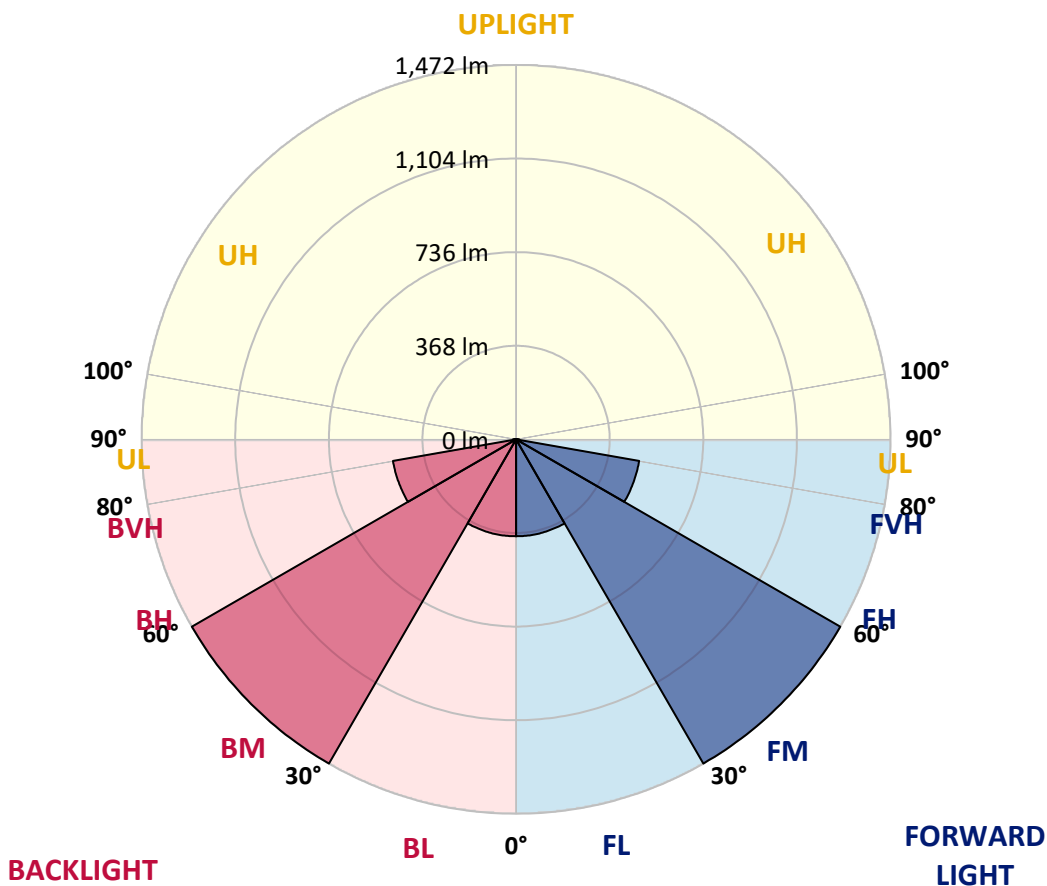
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.1	8.1			
FM (30°-60°)	1472.0	31.2			
FH (60°-80°)	491.4	10.4			G0/660
FVH (80°-90°)	12.5	0.3			G1/100
BL (0°-30°)	381.1	8.1	B1/500		
BM (30°-60°)	1472.0	31.2	B2/2500		
BH (60°-80°)	491.4	10.4	B1/500		G0/660
BVH (80°-90°)	12.5	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°	861.5	861.5	861.5	861.5	861.5	861.5	861.5	861.5	861.5	861.5	861.5
2.5°	855.5	856.3	857.9	859.1	860.7	862.3	863.1	861.5	860.7	857.5	861.1
5°	856.3	857.1	858.3	858.3	858.7	859.9	859.9	857.9	855.9	852.3	856.3
7.5°	855.1	855.9	856.3	855.9	856.3	856.7	855.9	853.5	851.5	848.3	851.5
10°	853.1	853.9	854.7	853.9	853.1	854.3	854.3	852.7	851.5	848.3	851.9
12.5°	857.5	858.7	859.1	857.1	856.3	856.7	856.7	855.1	855.1	852.3	856.3
15°	867.9	868.7	867.5	865.1	865.5	866.7	863.9	859.9	859.1	857.9	861.1
17.5°	875.9	876.7	875.5	873.9	876.7	879.5	874.3	866.7	864.3	863.5	867.1
20°	884.7	885.9	884.3	886.3	891.9	895.1	888.7	878.3	873.5	872.3	876.7
22.5°	899.1	900.7	900.7	905.1	913.5	918.7	910.7	896.7	889.5	887.5	891.9
25°	921.9	923.1	924.3	933.1	946.7	953.9	941.1	921.9	911.9	908.7	911.1
27.5°	953.5	955.5	957.5	970.3	987.1	997.5	979.1	955.1	942.7	936.3	941.1
30°	991.1	993.9	998.7	1013.1	1036.7	1048.3	1024.7	995.5	981.5	974.7	981.1
32.5°	1042.3	1042.7	1046.3	1062.3	1093.5	1106.7	1077.1	1044.7	1030.3	1022.3	1025.9
35°	1103.1	1103.5	1097.9	1114.3	1147.9	1162.7	1127.9	1095.1	1083.1	1080.7	1089.9
37.5°	1165.5	1161.9	1156.3	1163.5	1197.6	1207.2	1170.4	1142.3	1137.1	1141.5	1155.1
40°	1210.0	1204.0	1192.8	1198.0	1232.4	1243.6	1204.4	1178.0	1176.4	1187.2	1203.6
42.5°	1238.8	1232.4	1219.2	1219.2	1242.8	1247.6	1217.2	1203.2	1206.8	1219.2	1234.8
45°	1252.8	1249.2	1241.6	1237.6	1250.8	1252.8	1229.6	1224.0	1230.8	1236.8	1248.8
47.5°	1263.6	1263.6	1261.2	1257.2	1263.2	1264.4	1247.2	1245.6	1254.4	1254.4	1262.4
50°	1282.8	1284.8	1288.0	1287.2	1293.6	1297.6	1284.8	1282.4	1286.0	1274.4	1278.4
52.5°	1333.2	1338.4	1347.6	1354.8	1371.2	1383.6	1360.8	1341.6	1322.8	1297.2	1298.0
55°	1423.6	1426.0	1444.0	1465.2	1492.8	1518.1	1471.2	1411.6	1370.8	1340.8	1341.2
57.5°	1500.1	1503.7	1530.1	1574.5	1636.5	1675.7	1572.1	1472.4	1414.8	1378.0	1379.2
60°	1434.0	1429.2	1479.2	1555.3	1667.7	1717.7	1564.9	1428.8	1346.0	1300.4	1303.6
62.5°	1109.5	1100.3	1155.9	1235.6	1370.4	1420.4	1279.6	1149.1	1070.7	1035.1	1029.9
65°	675.4	667.0	707.0	755.8	847.1	878.7	814.2	745.0	676.6	655.0	649.0
67.5°	367.7	366.5	377.3	401.3	441.3	456.1	443.7	410.9	393.3	378.1	378.1
70°	291.7	289.3	287.3	287.7	291.3	293.3	293.7	292.1	294.1	294.5	292.9
72.5°	241.7	240.9	236.9	237.3	235.7	234.9	237.7	239.3	242.5	242.9	242.9
75°	175.3	173.3	175.3	175.7	174.1	174.1	176.1	175.7	177.3	178.1	173.7
77.5°	99.6	99.6	102.4	105.6	108.0	108.0	110.0	110.0	112.0	111.6	110.8
80°	54.8	54.8	56.4	58.4	60.8	63.2	65.2	65.6	66.8	66.4	65.2
82.5°	31.2	31.6	32.4	33.6	36.0	38.0	40.0	40.4	41.6	41.6	40.4
85°	14.8	14.4	14.8	15.6	16.8	18.4	20.4	21.6	22.4	22.4	21.6
87.5°	2.8	3.2	2.8	3.2	3.6	4.8	5.6	6.4	7.6	8.0	7.2
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)