

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: P630589

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 4887.2 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

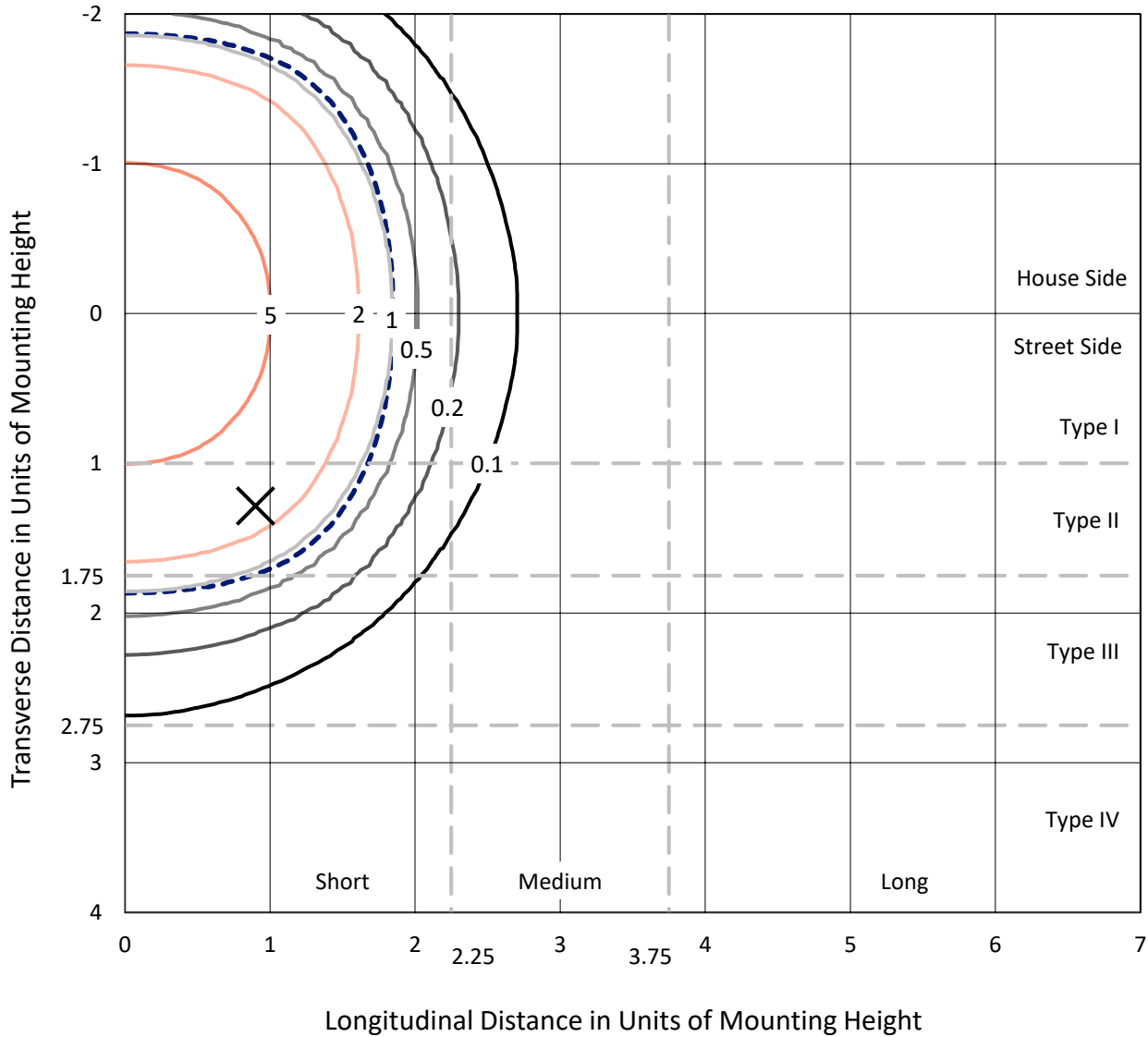
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

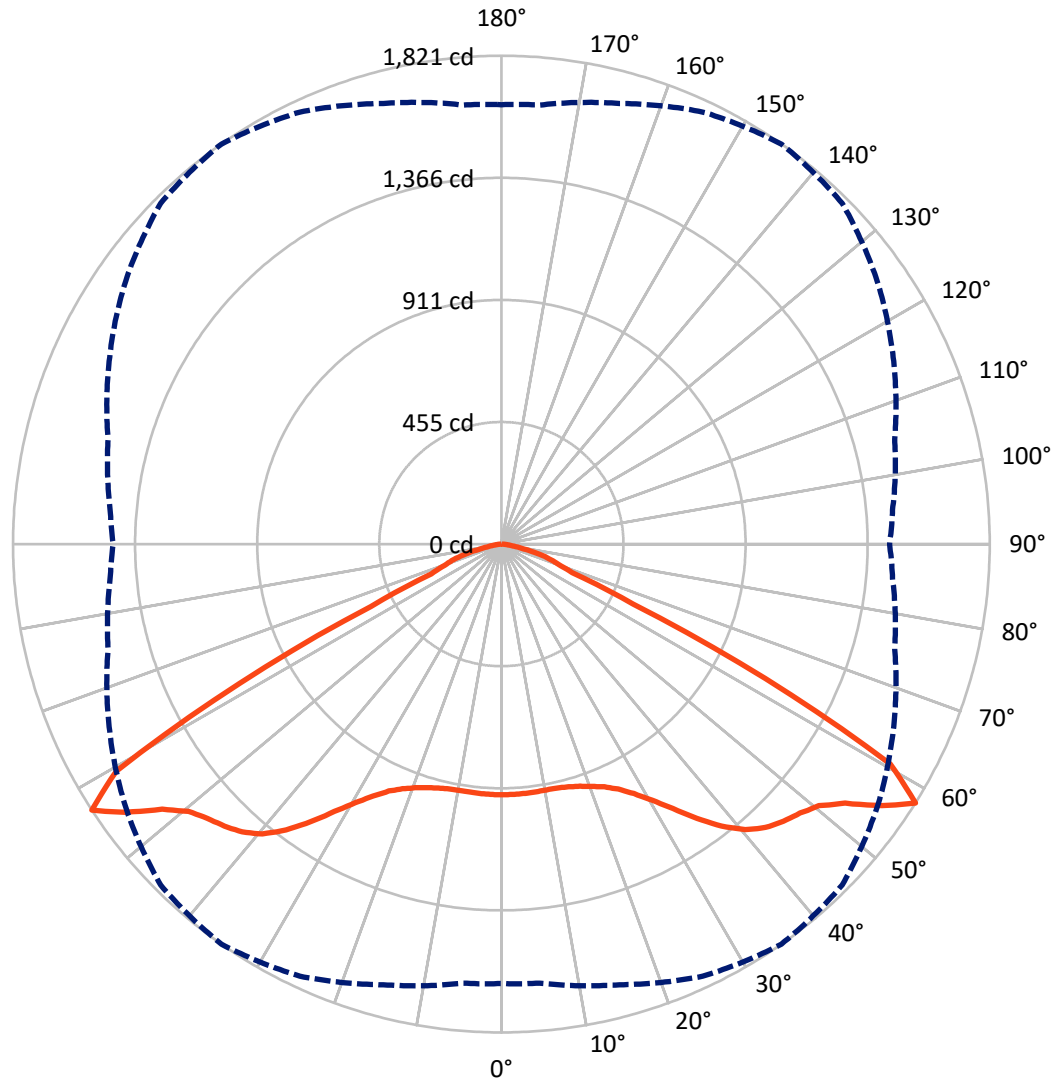
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2443.6	0.0	2443.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2443.6	0.0	2443.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4887.2	0.0	4887.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.8
10°-20°	265.4	5.4
20°-30°	463.1	9.5
30°-40°	759.4	15.5
40°-50°	1118.4	22.9
50°-60°	1427.2	29.2
60°-70°	601.5	12.3
70°-80°	143.7	2.9
80°-90°	19.6	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°	4887.2	100.0
0°-180°	4887.2	100.0

Coefficient of Utilization



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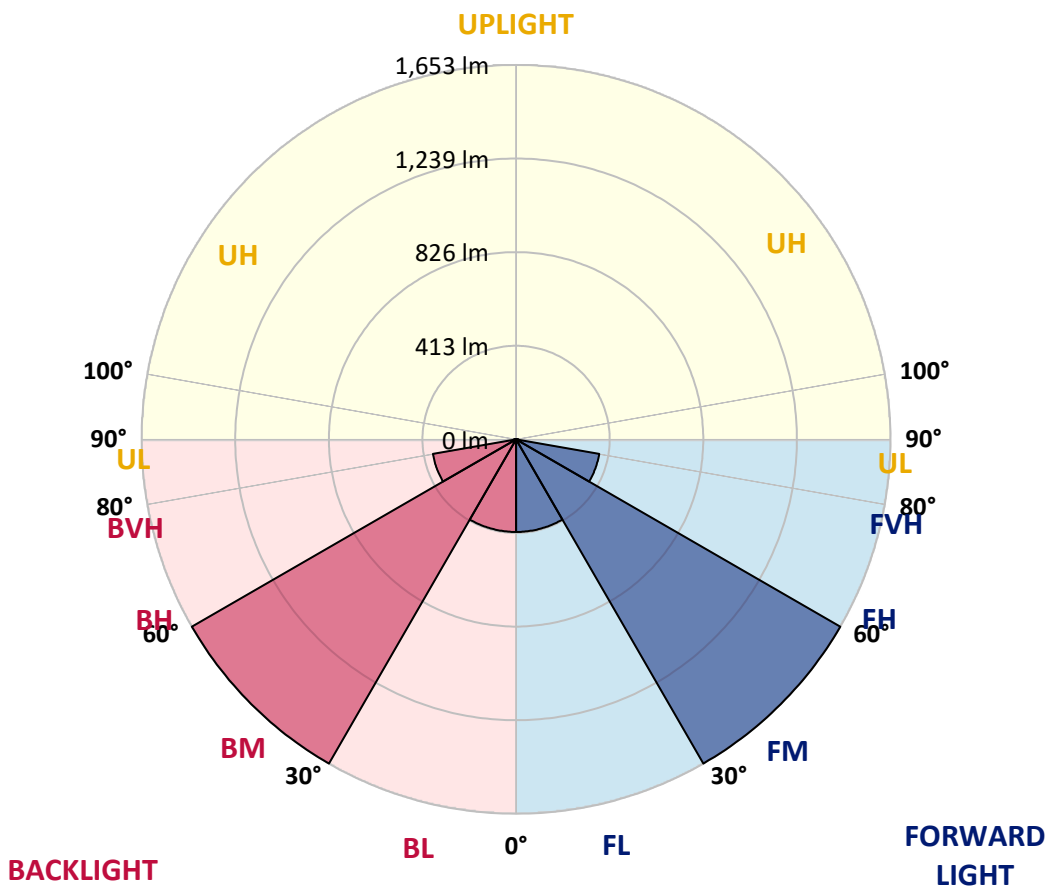
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.7	8.4			
FM (30°-60°)	1652.5	33.8			
FH (60°-80°)	372.6	7.6			G0/660
FVH (80°-90°)	9.8	0.2			G0/10
BL (0°-30°)	408.7	8.4	B1/500		
BM (30°-60°)	1652.5	33.8	B2/2500		
BH (60°-80°)	372.6	7.6	B1/500		G0/660
BVH (80°-90°)	9.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1
2.5°	929.5	929.5	931.5	933.5	934.3	937.9	937.5	936.3	935.5	933.1	936.3
5°	931.5	931.5	933.1	934.3	933.9	936.7	935.5	933.5	932.3	929.9	933.5
7.5°	931.1	931.1	932.3	933.5	932.7	935.1	933.1	930.3	928.3	925.9	929.1
10°	925.9	926.7	927.9	930.7	931.9	935.5	932.7	928.3	925.1	922.3	925.5
12.5°	925.1	925.9	927.5	931.1	933.1	938.3	934.7	927.5	922.7	919.1	922.3
15°	928.7	929.5	931.9	936.3	939.5	945.1	939.9	929.9	923.1	918.3	921.1
17.5°	933.1	934.3	937.9	944.3	949.5	955.5	949.1	937.1	927.5	921.1	923.5
20°	937.9	939.5	945.1	954.7	964.3	971.9	963.9	947.9	936.3	927.9	930.3
22.5°	946.3	948.3	955.5	969.1	983.5	994.7	984.7	963.1	947.9	937.1	939.1
25°	963.5	965.9	975.1	991.5	1011.9	1025.5	1011.5	987.1	965.9	952.7	954.7
27.5°	993.9	995.1	1007.1	1028.7	1053.9	1069.6	1052.7	1023.9	1000.3	985.1	986.7
30°	1033.9	1037.5	1049.5	1078.0	1108.0	1128.8	1106.8	1072.8	1045.5	1027.1	1028.7
32.5°	1082.8	1085.2	1103.2	1132.8	1176.0	1200.0	1170.0	1129.6	1096.8	1074.4	1076.0
35°	1146.8	1148.8	1166.0	1203.6	1256.0	1278.4	1244.0	1197.6	1159.6	1138.4	1144.4
37.5°	1223.2	1226.8	1239.2	1276.4	1334.8	1356.8	1317.2	1274.0	1234.4	1214.8	1219.2
40°	1305.2	1304.8	1314.8	1347.6	1400.9	1414.5	1378.9	1344.4	1310.4	1297.6	1304.8
42.5°	1375.7	1373.7	1380.9	1408.1	1444.9	1446.1	1422.5	1403.3	1379.3	1370.5	1377.3
45°	1424.9	1425.7	1436.5	1455.3	1474.1	1464.1	1456.9	1453.7	1434.9	1422.9	1424.1
47.5°	1463.7	1466.9	1484.1	1496.9	1499.3	1482.5	1492.5	1497.3	1481.7	1463.3	1458.1
50°	1498.1	1503.3	1525.7	1539.3	1534.1	1512.9	1532.5	1539.7	1505.3	1470.1	1459.7
52.5°	1560.5	1566.5	1593.7	1611.3	1605.3	1584.1	1602.5	1576.9	1518.9	1475.7	1462.5
55°	1660.1	1663.0	1696.2	1725.0	1722.2	1696.2	1681.4	1624.5	1554.1	1509.3	1496.9
57.5°	1638.9	1643.7	1701.4	1778.2	1821.4	1797.8	1711.0	1614.1	1518.5	1464.5	1447.7
60°	1289.6	1301.2	1372.9	1508.1	1666.6	1666.2	1504.9	1354.4	1239.2	1167.6	1160.4
62.5°	753.0	761.1	826.3	963.1	1105.2	1114.0	1000.7	897.5	796.7	748.2	725.0
65°	356.5	356.1	382.1	443.7	539.8	547.4	513.4	457.0	397.3	380.9	376.5
67.5°	263.3	263.3	261.3	265.7	284.1	288.1	284.1	274.9	269.3	272.9	270.5
70°	228.5	228.9	226.5	225.3	225.3	224.1	225.7	229.3	231.7	236.5	234.1
72.5°	185.3	185.7	185.7	186.1	186.5	184.9	187.3	189.3	189.7	191.3	189.7
75°	131.6	132.4	134.8	136.8	138.4	138.4	139.2	139.6	138.0	140.0	136.8
77.5°	72.4	73.2	77.6	81.2	84.8	85.2	86.4	87.2	86.4	88.0	85.6
80°	40.0	40.8	42.8	44.4	47.2	49.6	51.2	52.0	52.0	53.2	52.0
82.5°	22.8	23.6	24.8	25.6	28.0	30.0	31.6	32.8	32.8	33.2	32.4
85°	10.8	10.8	11.6	12.4	13.6	14.4	16.4	17.6	17.6	18.4	17.6
87.5°	1.6	2.0	2.4	2.4	3.2	4.0	4.8	5.2	6.0	6.4	6.4
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)