

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: P631029

Luminaire Tested: GWS-SA1E-830-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631029
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5270.6 lumens
Efficiency: N/A
Efficacy: 90.3 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

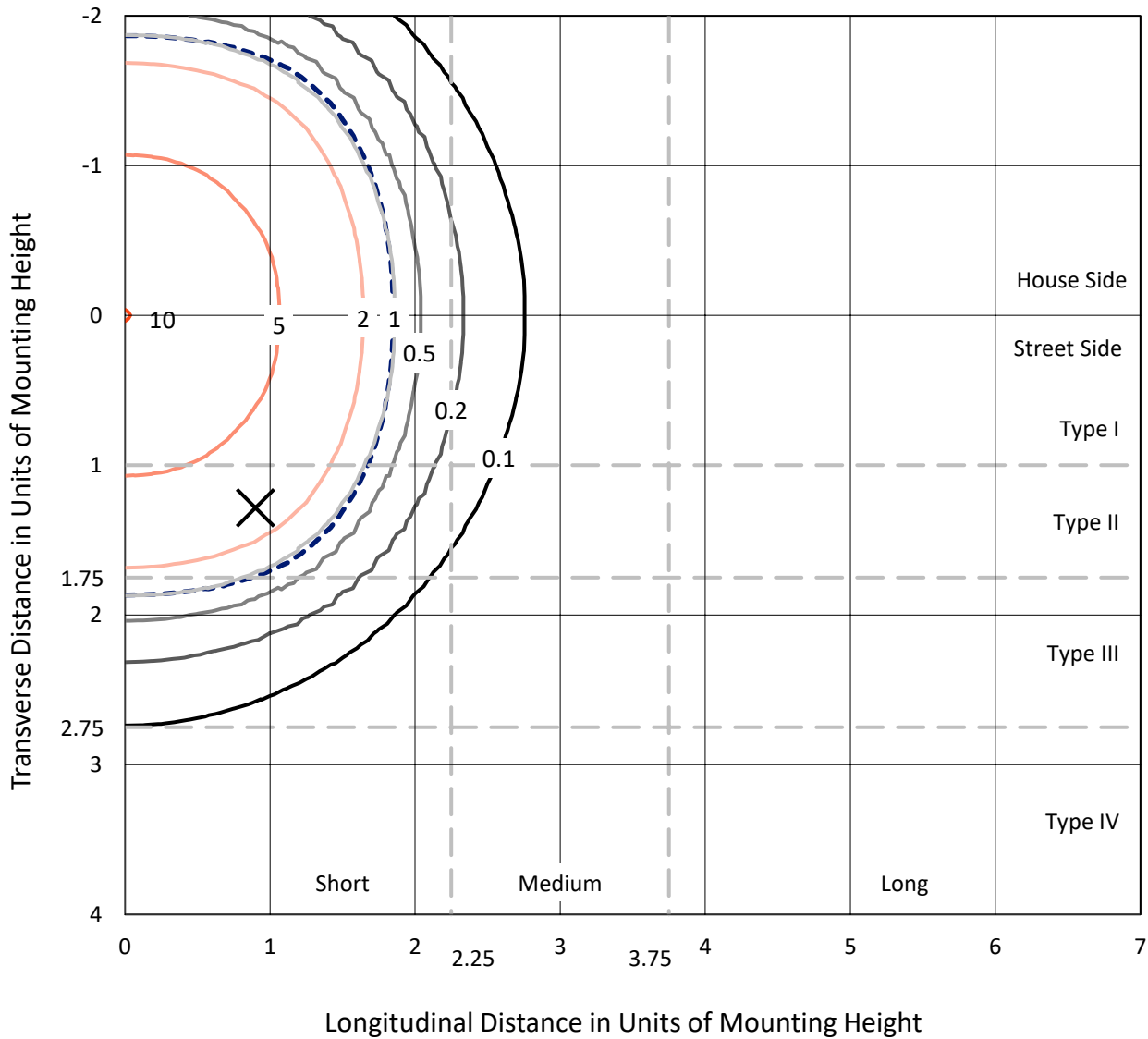
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

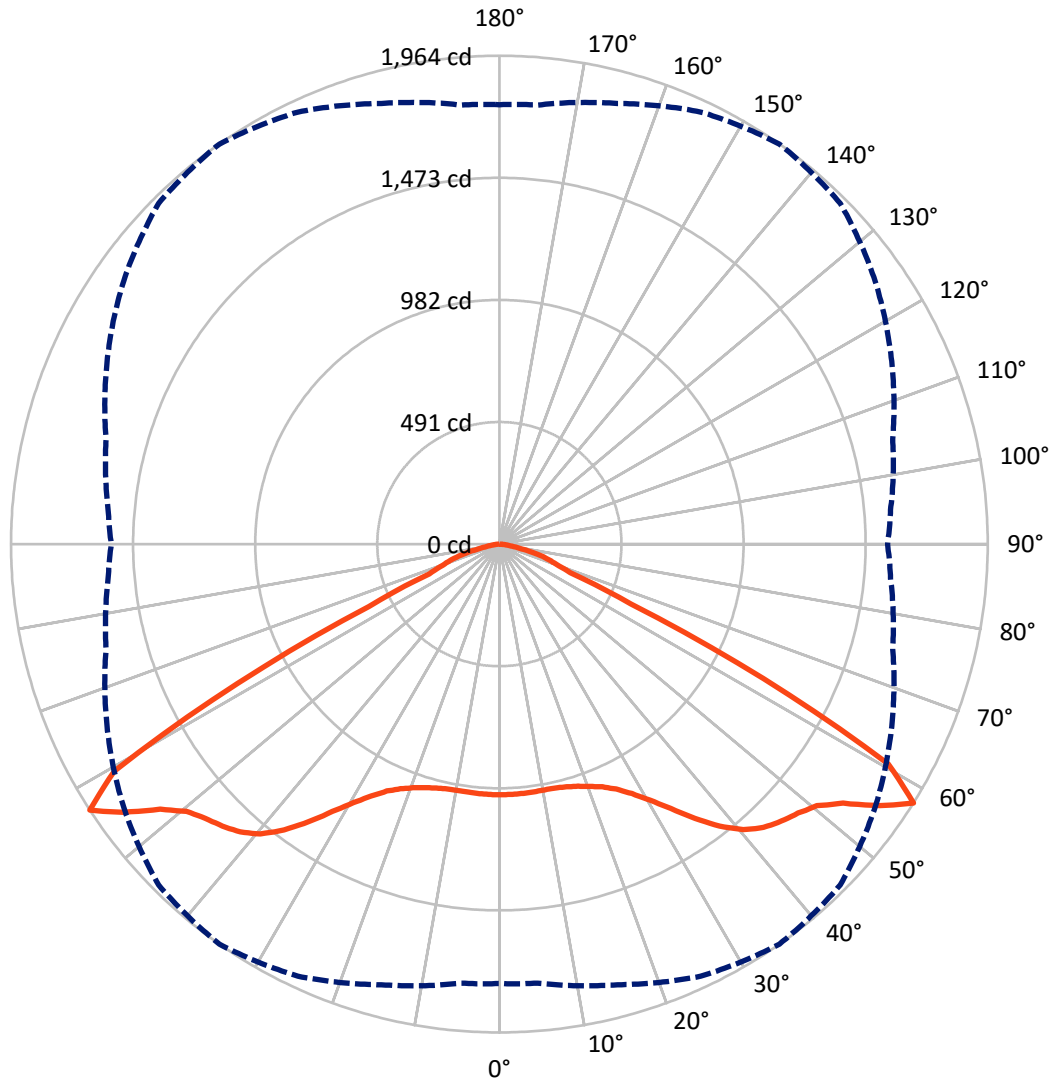
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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	2635.3	0.0	2635.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2635.3	0.0	2635.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5270.6	0.0	5270.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.8
10°-20°	286.2	5.4
20°-30°	499.4	9.5
30°-40°	818.9	15.5
40°-50°	1206.1	22.9
50°-60°	1539.2	29.2
60°-70°	648.7	12.3
70°-80°	155.0	2.9
80°-90°	21.1	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°	5270.6	100.0
0°-180°	5270.6	100.0

Coefficient of Utilization

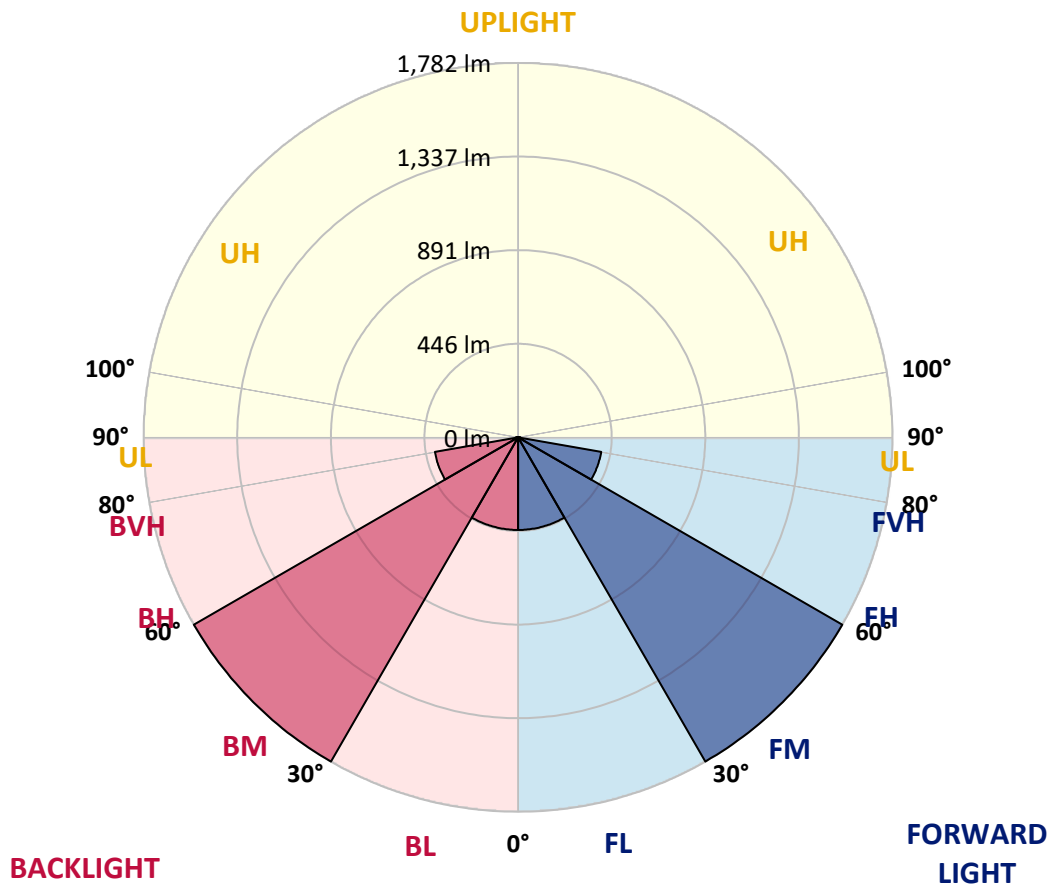


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	440.8	8.4			
FM (30°-60°)	1782.1	33.8			
FH (60°-80°)	401.8	7.6			G0/660
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	440.8	8.4	B1/500		
BM (30°-60°)	1782.1	33.8	B2/2500		
BH (60°-80°)	401.8	7.6	B1/500		G0/660
BVH (80°-90°)	10.6	0.2			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°	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5	1008.5
2.5°	1002.4	1002.4	1004.6	1006.7	1007.6	1011.5	1011.1	1009.8	1008.9	1006.3	1009.8
5°	1004.6	1004.6	1006.3	1007.6	1007.2	1010.2	1008.9	1006.7	1005.4	1002.9	1006.7
7.5°	1004.2	1004.2	1005.4	1006.7	1005.9	1008.5	1006.3	1003.3	1001.1	998.5	1002.0
10°	998.5	999.4	1000.7	1003.7	1005.0	1008.9	1005.9	1001.1	997.7	994.7	998.1
12.5°	997.7	998.5	1000.3	1004.2	1006.3	1011.9	1008.0	1000.3	995.1	991.2	994.7
15°	1001.6	1002.4	1005.0	1009.8	1013.2	1019.3	1013.6	1002.9	995.5	990.3	993.4
17.5°	1006.3	1007.6	1011.5	1018.4	1024.0	1030.5	1023.6	1010.6	1000.3	993.4	996.0
20°	1011.5	1013.2	1019.3	1029.6	1040.0	1048.2	1039.5	1022.3	1009.8	1000.7	1003.3
22.5°	1020.6	1022.7	1030.5	1045.1	1060.7	1072.8	1062.0	1038.7	1022.3	1010.6	1012.8
25°	1039.1	1041.7	1051.6	1069.3	1091.3	1106.0	1090.9	1064.6	1041.7	1027.5	1029.6
27.5°	1071.9	1073.2	1086.1	1109.4	1136.6	1153.5	1135.3	1104.3	1078.8	1062.4	1064.1
30°	1115.1	1118.9	1131.9	1162.5	1194.9	1217.3	1193.6	1156.9	1127.6	1107.7	1109.4
32.5°	1167.7	1170.3	1189.7	1221.6	1268.2	1294.1	1261.8	1218.2	1182.8	1158.6	1160.4
35°	1236.7	1238.9	1257.5	1298.0	1354.6	1378.7	1341.6	1291.5	1250.6	1227.7	1234.2
37.5°	1319.2	1323.0	1336.4	1376.6	1439.6	1463.3	1420.6	1374.0	1331.2	1310.1	1314.9
40°	1407.6	1407.2	1418.0	1453.4	1510.8	1525.4	1487.0	1449.9	1413.2	1399.4	1407.2
42.5°	1483.6	1481.4	1489.2	1518.5	1558.2	1559.5	1534.1	1513.4	1487.5	1478.0	1485.3
45°	1536.7	1537.5	1549.2	1569.4	1589.7	1578.9	1571.2	1567.7	1547.4	1534.5	1535.8
47.5°	1578.5	1582.0	1600.5	1614.3	1616.9	1598.8	1609.6	1614.8	1597.9	1578.1	1572.5
50°	1615.6	1621.2	1645.4	1660.1	1654.5	1631.6	1652.7	1660.5	1623.4	1585.4	1574.2
52.5°	1682.9	1689.4	1718.8	1737.7	1731.3	1708.4	1728.2	1700.6	1638.1	1591.5	1577.2
55°	1790.4	1793.4	1829.2	1860.3	1857.3	1829.2	1813.3	1752.0	1676.0	1627.7	1614.3
57.5°	1767.5	1772.7	1834.8	1917.7	1964.3	1938.8	1845.2	1740.8	1637.6	1579.4	1561.2
60°	1390.8	1403.3	1480.6	1626.4	1797.3	1796.9	1623.0	1460.7	1336.4	1259.2	1251.4
62.5°	812.1	820.8	891.1	1038.7	1191.9	1201.4	1079.2	967.9	859.2	806.9	781.9
65°	384.5	384.1	412.1	478.6	582.1	590.3	553.6	492.8	428.5	410.8	406.1
67.5°	283.9	283.9	281.8	286.5	306.4	310.7	306.4	296.5	290.4	294.3	291.7
70°	246.4	246.8	244.2	242.9	242.9	241.7	243.4	247.3	249.9	255.0	252.4
72.5°	199.8	200.2	200.2	200.7	201.1	199.4	202.0	204.1	204.5	206.3	204.5
75°	142.0	142.8	145.4	147.6	149.3	149.3	150.2	150.6	148.9	151.0	147.6
77.5°	78.1	79.0	83.7	87.6	91.5	91.9	93.2	94.1	93.2	94.9	92.3
80°	43.2	44.0	46.2	47.9	50.9	53.5	55.2	56.1	56.1	57.4	56.1
82.5°	24.6	25.5	26.8	27.6	30.2	32.4	34.1	35.4	35.4	35.8	35.0
85°	11.7	11.7	12.5	13.4	14.7	15.5	17.7	19.0	19.0	19.9	19.0
87.5°	1.7	2.2	2.6	2.6	3.5	4.3	5.2	5.6	6.5	6.9	6.9
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)