

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: P630314

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630314
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-SA1D-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309.4 lumens
Efficiency: N/A
Efficacy: 119.9 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

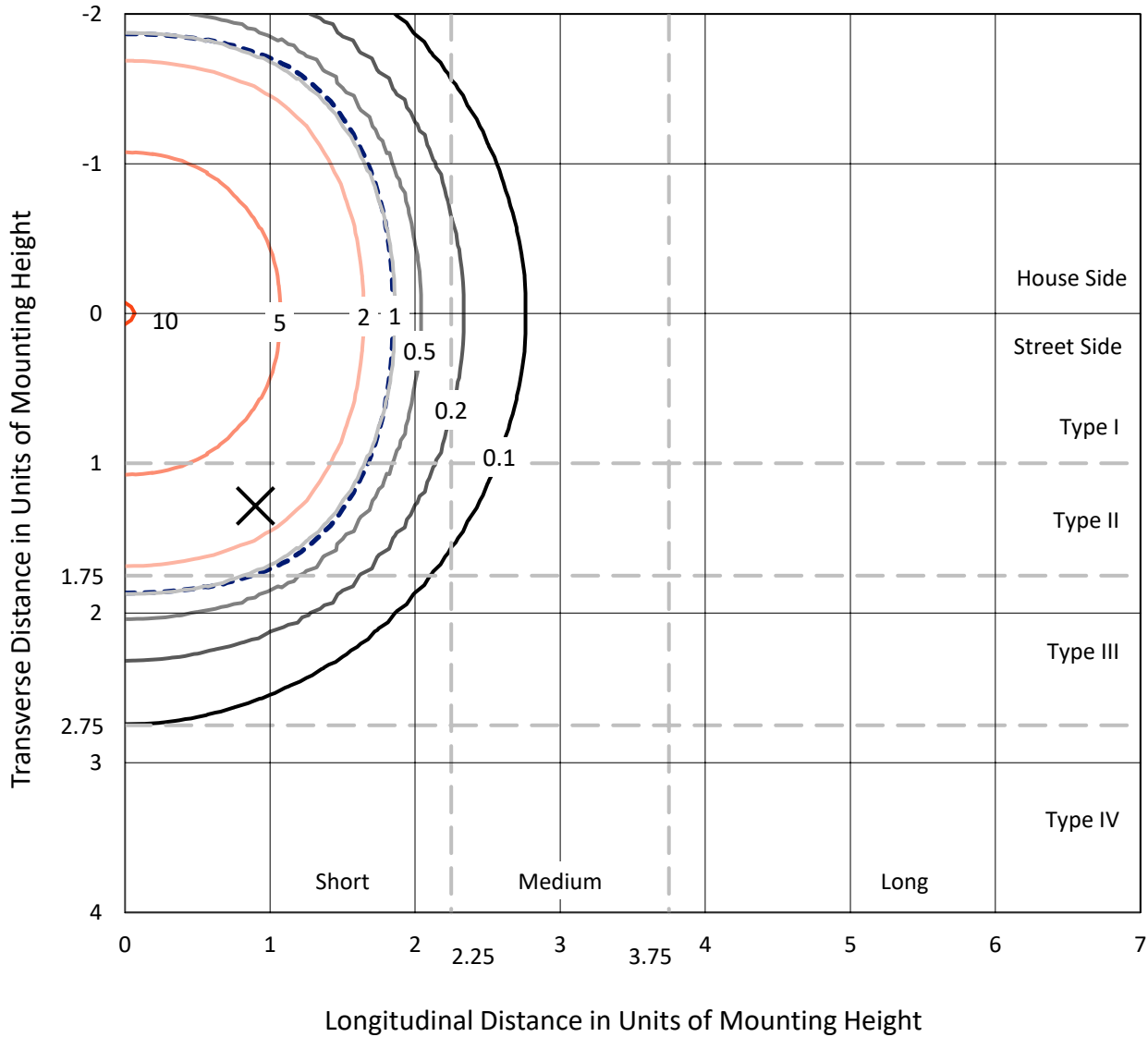
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

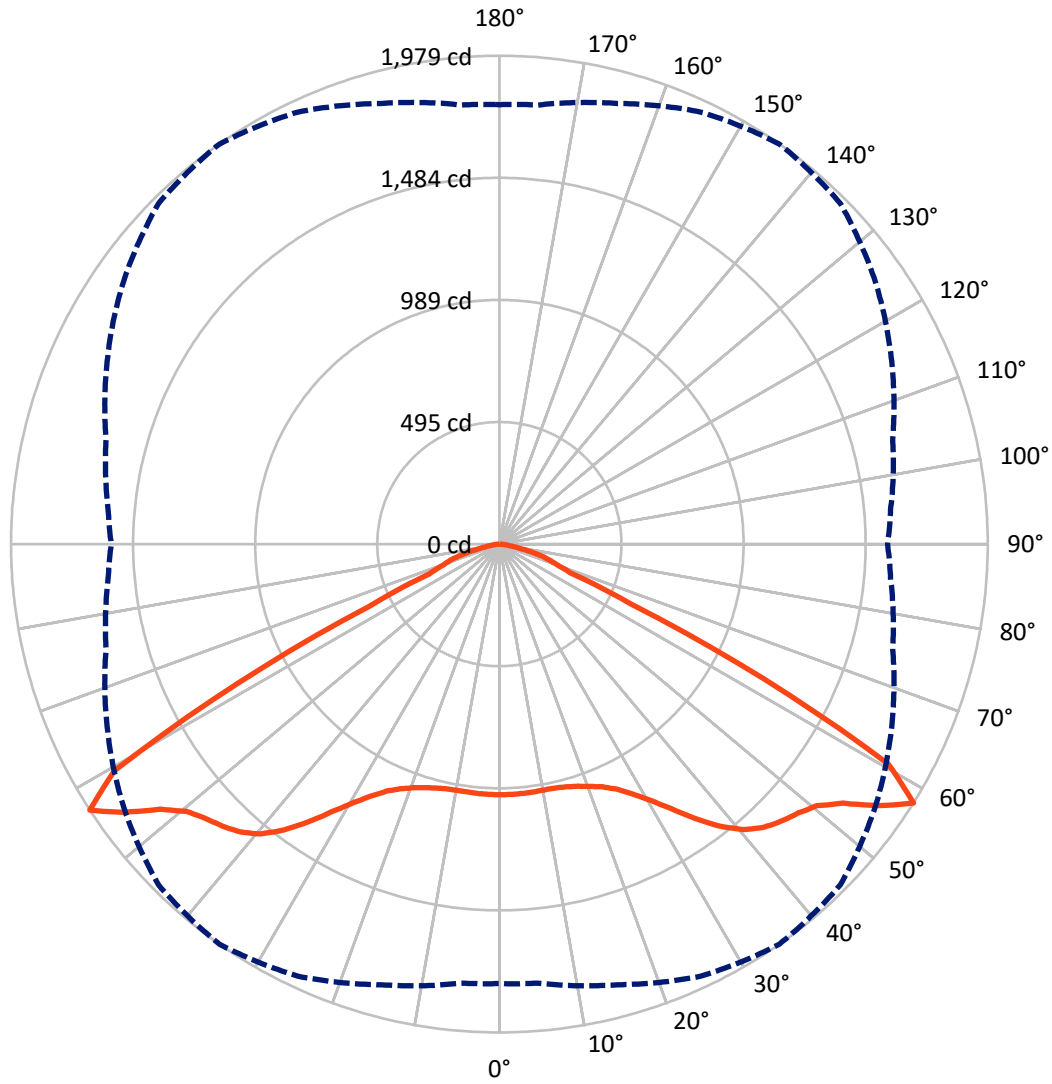
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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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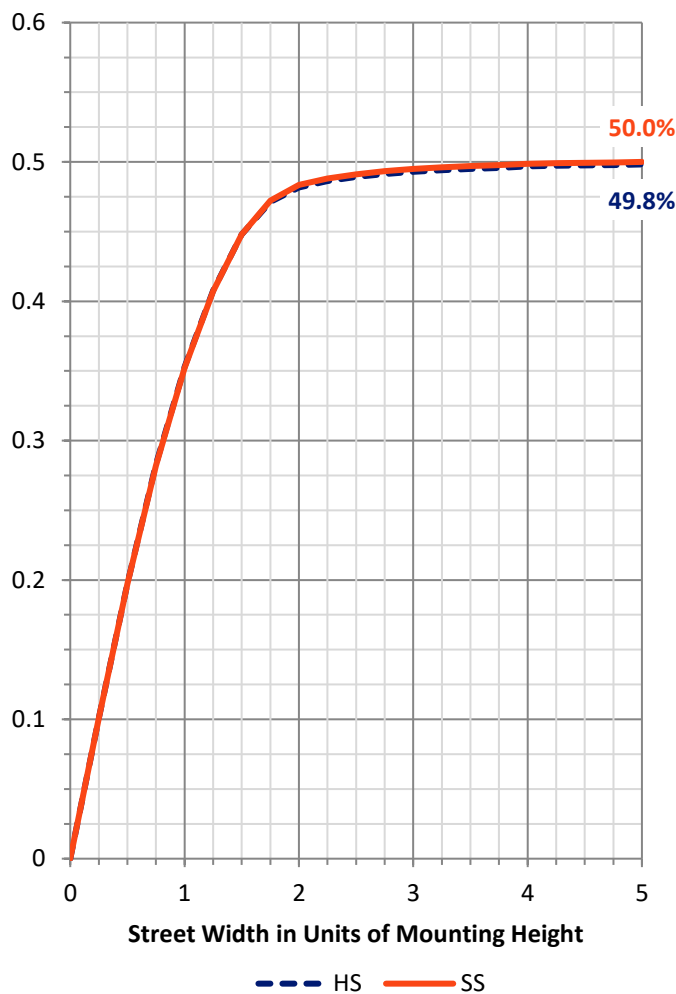
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2654.7	0.0	2654.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2654.7	0.0	2654.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5309.4	0.0	5309.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.8
10°-20°	288.3	5.4
20°-30°	503.1	9.5
30°-40°	825.0	15.5
40°-50°	1215.0	22.9
50°-60°	1550.5	29.2
60°-70°	653.5	12.3
70°-80°	156.1	2.9
80°-90°	21.2	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°	5309.4	100.0
0°-180°	5309.4	100.0

Coefficient of Utilization



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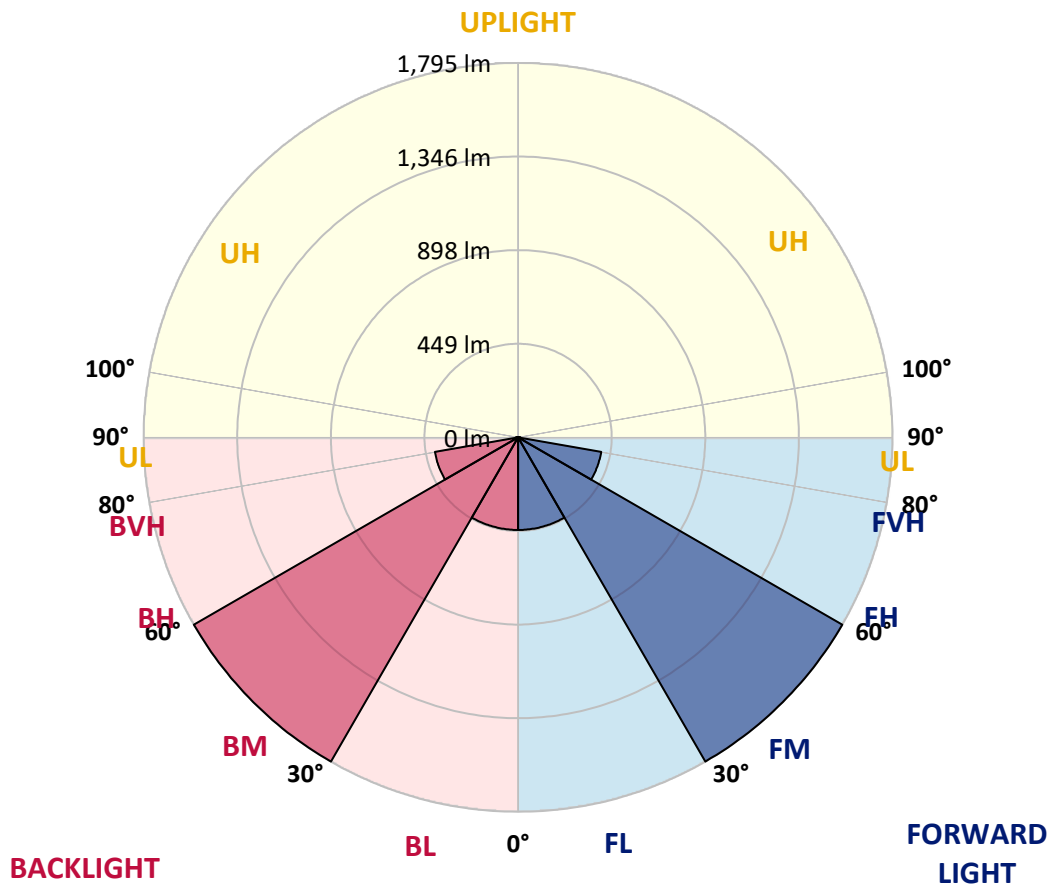
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.0	8.4			
FM (30°-60°)	1795.3	33.8			
FH (60°-80°)	404.8	7.6			G0/660
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	444.0	8.4	B1/500		
BM (30°-60°)	1795.3	33.8	B2/2500		
BH (60°-80°)	404.8	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°	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9	1015.9
2.5°	1009.8	1009.8	1012.0	1014.2	1015.0	1018.9	1018.5	1017.2	1016.3	1013.7	1017.2
5°	1012.0	1012.0	1013.7	1015.0	1014.6	1017.6	1016.3	1014.2	1012.9	1010.2	1014.2
7.5°	1011.5	1011.5	1012.9	1014.2	1013.3	1015.9	1013.7	1010.7	1008.5	1005.9	1009.4
10°	1005.9	1006.8	1008.1	1011.1	1012.4	1016.3	1013.3	1008.5	1005.0	1002.0	1005.5
12.5°	1005.0	1005.9	1007.6	1011.5	1013.7	1019.4	1015.5	1007.6	1002.4	998.5	1002.0
15°	1008.9	1009.8	1012.4	1017.2	1020.7	1026.8	1021.1	1010.2	1002.9	997.6	1000.7
17.5°	1013.7	1015.0	1018.9	1025.9	1031.5	1038.1	1031.1	1018.1	1007.6	1000.7	1003.3
20°	1018.9	1020.7	1026.8	1037.2	1047.6	1055.9	1047.2	1029.8	1017.2	1008.1	1010.7
22.5°	1028.1	1030.2	1038.1	1052.8	1068.5	1080.7	1069.8	1046.3	1029.8	1018.1	1020.2
25°	1046.8	1049.4	1059.4	1077.2	1099.4	1114.1	1098.9	1072.4	1049.4	1035.0	1037.2
27.5°	1079.8	1081.1	1094.1	1117.6	1145.0	1162.0	1143.7	1112.4	1086.7	1070.2	1072.0
30°	1123.3	1127.2	1140.2	1171.1	1203.7	1226.3	1202.4	1165.4	1135.9	1115.9	1117.6
32.5°	1176.3	1178.9	1198.5	1230.6	1277.6	1303.7	1271.1	1227.2	1191.5	1167.2	1168.9
35°	1245.8	1248.0	1266.7	1307.6	1364.5	1388.9	1351.5	1301.1	1259.8	1236.7	1243.2
37.5°	1328.9	1332.8	1346.3	1386.7	1450.2	1474.1	1431.0	1384.1	1341.0	1319.7	1324.5
40°	1418.0	1417.6	1428.4	1464.1	1521.9	1536.7	1498.0	1460.6	1423.6	1409.7	1417.6
42.5°	1494.5	1492.3	1500.1	1529.7	1569.7	1571.0	1545.4	1524.5	1498.4	1488.8	1496.2
45°	1548.0	1548.8	1560.6	1581.0	1601.4	1590.6	1582.7	1579.3	1558.8	1545.8	1547.1
47.5°	1590.1	1593.6	1612.3	1626.2	1628.8	1610.6	1621.4	1626.6	1609.7	1589.7	1584.0
50°	1627.5	1633.2	1657.5	1672.3	1666.6	1643.6	1664.9	1672.7	1635.3	1597.1	1585.8
52.5°	1695.3	1701.8	1731.4	1750.5	1744.0	1721.0	1741.0	1713.2	1650.1	1603.2	1588.8
55°	1803.6	1806.6	1842.7	1874.0	1870.9	1842.7	1826.6	1764.9	1688.4	1639.7	1626.2
57.5°	1780.5	1785.7	1848.3	1931.8	1978.8	1953.1	1858.8	1753.6	1649.7	1591.0	1572.7
60°	1401.0	1413.6	1491.5	1638.4	1810.5	1810.1	1634.9	1471.5	1346.3	1268.5	1260.6
62.5°	818.1	826.8	897.7	1046.3	1200.6	1210.2	1087.2	975.0	865.5	812.9	787.7
65°	387.3	386.9	415.1	482.1	586.4	594.7	557.7	496.4	431.7	413.8	409.1
67.5°	286.0	286.0	283.9	288.6	308.6	313.0	308.6	298.6	292.6	296.5	293.9
70°	248.2	248.6	246.0	244.7	244.7	243.4	245.2	249.1	251.7	256.9	254.3
72.5°	201.3	201.7	201.7	202.1	202.6	200.8	203.4	205.6	206.0	207.8	206.0
75°	143.0	143.9	146.5	148.7	150.4	150.4	151.3	151.7	150.0	152.1	148.7
77.5°	78.7	79.6	84.3	88.2	92.2	92.6	93.9	94.8	93.9	95.6	93.0
80°	43.5	44.3	46.5	48.3	51.3	53.9	55.6	56.5	56.5	57.8	56.5
82.5°	24.8	25.6	27.0	27.8	30.4	32.6	34.3	35.6	35.6	36.1	35.2
85°	11.7	11.7	12.6	13.5	14.8	15.6	17.8	19.1	19.1	20.0	19.1
87.5°	1.7	2.2	2.6	2.6	3.5	4.3	5.2	5.7	6.5	7.0	7.0
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)