

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: P630372

Luminaire Tested: GWS-SA1D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5623.1 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

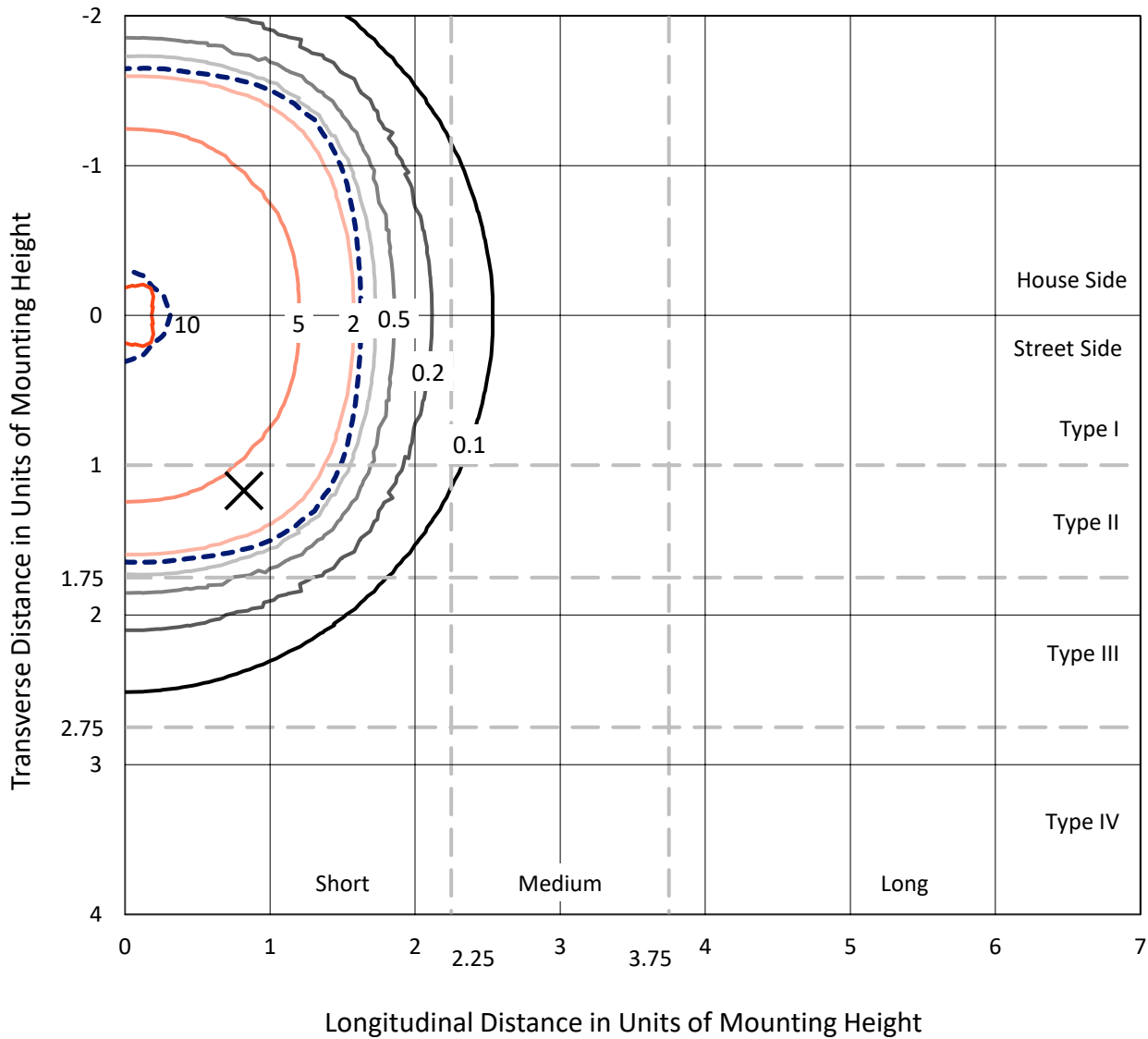
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

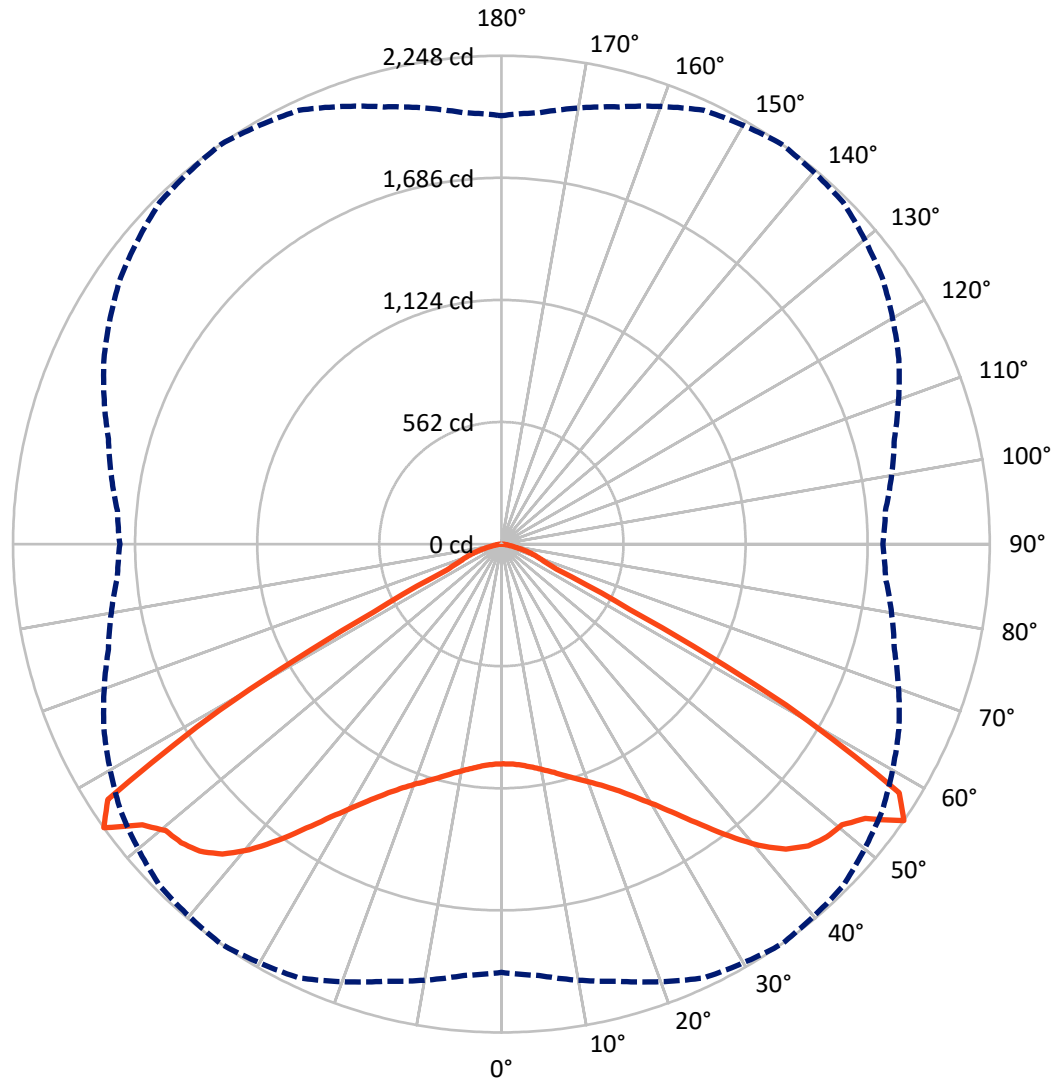
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2811.5	0.0	2811.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2811.5	0.0	2811.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5623.1	0.0	5623.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.8
10°-20°	314.1	5.6
20°-30°	581.4	10.3
30°-40°	972.6	17.3
40°-50°	1482.1	26.4
50°-60°	1660.2	29.5
60°-70°	392.8	7.0
70°-80°	105.9	1.9
80°-90°	15.2	0.3
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°	5623.1	100.0
0°-180°	5623.1	100.0

Coefficient of Utilization



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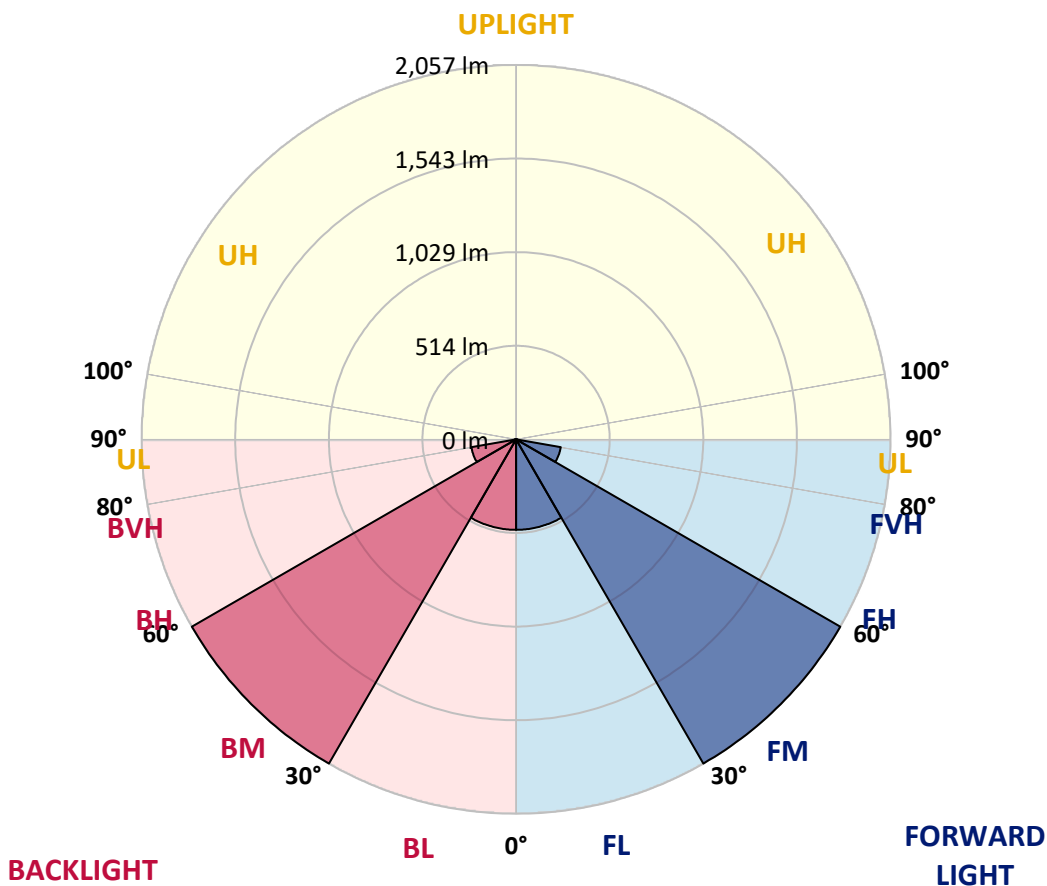
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.1	8.8			
FM (30°-60°)	2057.4	36.6			
FH (60°-80°)	249.4	4.4			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	497.1	8.8	B1/500		
BM (30°-60°)	2057.4	36.6	B2/2500		
BH (60°-80°)	249.4	4.4	B1/500		G0/660
BVH (80°-90°)	7.6	0.1			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°	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6	1011.6
2.5°	1009.4	1009.4	1011.2	1013.4	1013.8	1018.3	1017.4	1015.6	1014.7	1012.9	1016.9
5°	1020.5	1020.9	1022.3	1023.6	1022.7	1026.3	1025.0	1022.7	1021.4	1019.2	1023.2
7.5°	1035.2	1035.2	1036.5	1038.3	1037.4	1042.7	1040.1	1037.0	1034.7	1032.1	1035.6
10°	1048.5	1049.4	1050.7	1054.3	1056.1	1061.9	1060.1	1055.6	1052.1	1049.0	1053.0
12.5°	1068.5	1069.4	1070.8	1075.6	1078.8	1084.5	1081.9	1075.6	1070.3	1065.9	1070.3
15°	1094.3	1093.4	1097.0	1103.2	1107.2	1112.5	1109.4	1098.8	1091.7	1085.9	1090.3
17.5°	1120.6	1120.1	1123.7	1131.7	1137.5	1144.6	1139.2	1126.8	1119.2	1112.1	1116.6
20°	1149.0	1150.3	1153.9	1161.5	1169.9	1179.2	1174.8	1161.5	1153.0	1145.0	1148.6
22.5°	1184.1	1184.6	1188.6	1198.4	1209.5	1218.4	1215.7	1199.3	1188.6	1180.1	1184.6
25°	1226.4	1225.9	1231.3	1242.8	1258.4	1267.3	1261.5	1243.3	1231.7	1221.9	1225.5
27.5°	1274.9	1274.4	1282.4	1297.5	1319.8	1332.2	1320.2	1297.5	1281.5	1267.7	1270.8
30°	1335.8	1334.4	1343.3	1363.8	1392.7	1413.6	1395.8	1364.2	1343.3	1328.7	1331.8
32.5°	1403.4	1405.1	1416.3	1443.8	1480.3	1507.4	1480.7	1445.6	1417.6	1396.2	1399.8
35°	1477.6	1477.6	1500.3	1534.5	1586.6	1622.6	1581.2	1530.5	1493.2	1463.8	1464.7
37.5°	1560.3	1561.2	1591.0	1638.1	1706.2	1748.4	1692.4	1629.7	1584.3	1552.8	1551.0
40°	1661.3	1663.9	1694.6	1747.1	1823.6	1862.3	1802.2	1740.9	1694.6	1657.3	1653.7
42.5°	1775.1	1776.0	1808.4	1855.6	1920.1	1943.2	1896.0	1845.8	1808.0	1774.2	1770.7
45°	1883.6	1881.4	1909.4	1944.5	1981.9	1984.1	1957.9	1937.4	1904.5	1875.6	1870.3
47.5°	1968.1	1966.3	1991.7	2010.8	2015.2	1993.4	2001.9	2005.0	1966.7	1927.6	1917.4
50°	2019.7	2023.2	2047.2	2057.9	2031.7	1996.1	2028.1	2020.1	1965.4	1914.3	1897.8
52.5°	2050.8	2056.1	2097.9	2125.0	2097.9	2064.1	2068.6	2021.4	1942.7	1875.1	1853.8
55°	1972.1	1993.4	2083.7	2203.8	2248.2	2224.7	2140.2	2018.8	1872.9	1774.7	1756.4
57.5°	1461.6	1495.4	1629.2	1889.4	2159.7	2245.6	1998.8	1692.4	1471.4	1345.1	1334.4
60°	746.1	783.9	891.1	1158.3	1506.1	1627.0	1392.2	1083.6	861.3	759.0	747.5
62.5°	304.6	310.8	345.9	449.1	665.7	767.9	674.6	473.6	355.7	327.7	328.2
65°	239.7	241.0	239.2	245.5	278.8	309.5	285.9	251.2	245.0	248.1	245.9
67.5°	209.0	209.4	208.1	208.1	209.4	208.1	210.8	212.1	213.0	216.6	214.3
70°	174.8	175.2	175.2	176.1	175.6	173.4	177.4	179.2	179.6	181.9	180.5
72.5°	135.2	136.5	137.4	137.8	137.4	136.1	138.3	141.4	141.0	143.2	141.0
75°	91.6	93.4	94.3	96.0	95.6	95.6	98.3	99.6	98.3	100.0	98.3
77.5°	52.0	53.4	56.0	57.8	59.6	60.9	62.7	63.6	63.1	64.0	63.1
80°	30.2	30.7	32.9	33.8	36.0	38.2	40.0	40.9	41.4	41.8	41.4
82.5°	17.3	17.8	18.7	19.6	21.3	23.1	24.9	26.2	26.2	26.7	26.2
85°	8.4	8.4	8.9	9.3	10.2	11.6	12.9	14.2	14.7	14.7	14.7
87.5°	1.3	1.3	1.8	1.8	2.2	2.7	3.6	4.4	4.9	4.9	4.9
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)