

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: P629881

Luminaire Tested: GWS-SA1C-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4984.6 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

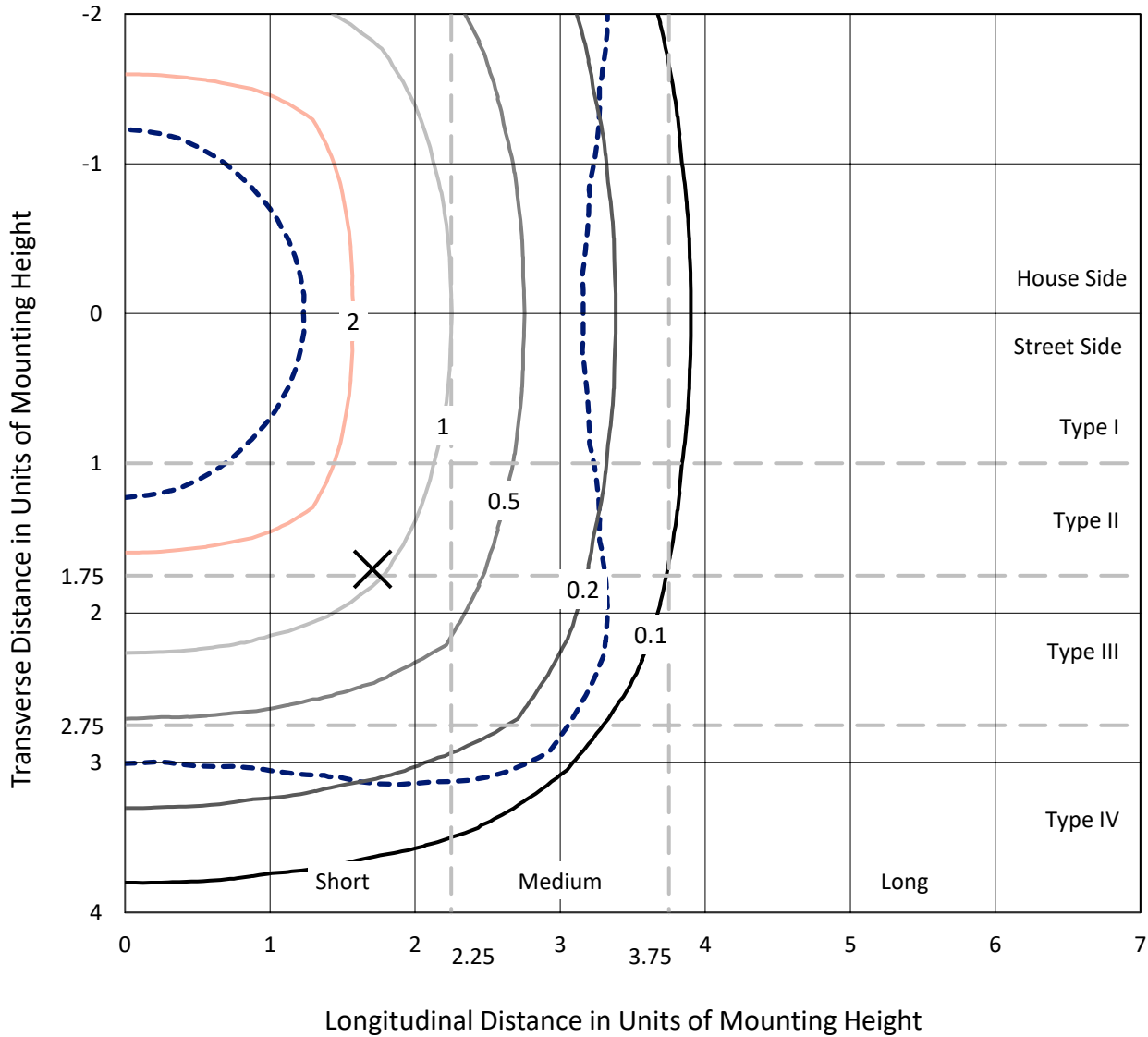
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

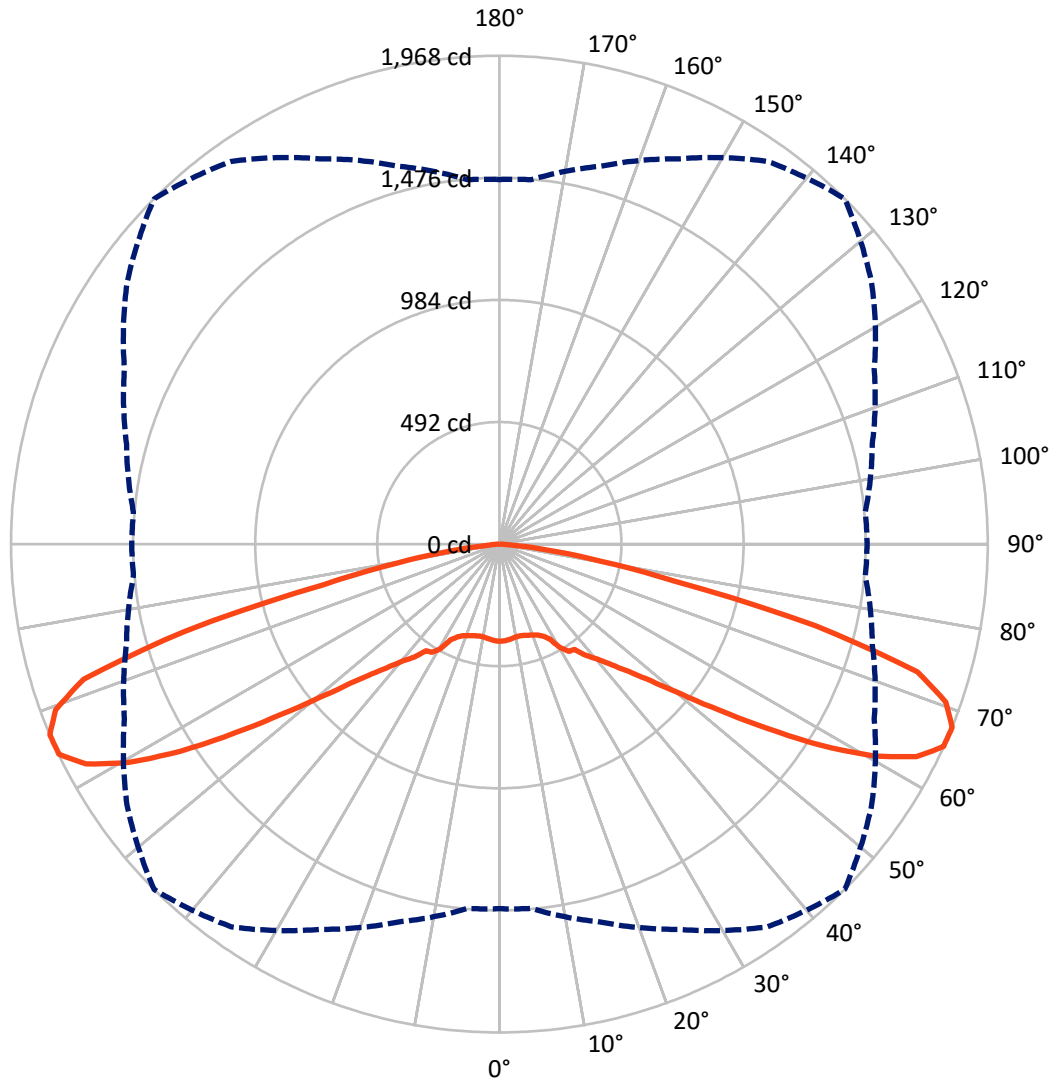
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2492.3	0.0	2492.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2492.3	0.0	2492.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4984.6	0.0	4984.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	0.7
10°-20°	108.9	2.2
20°-30°	195.4	3.9
30°-40°	330.1	6.6
40°-50°	579.9	11.6
50°-60°	1118.7	22.4
60°-70°	1623.0	32.6
70°-80°	928.6	18.6
80°-90°	63.4	1.3
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°	4984.6	100.0
0°-180°	4984.6	100.0

Coefficient of Utilization



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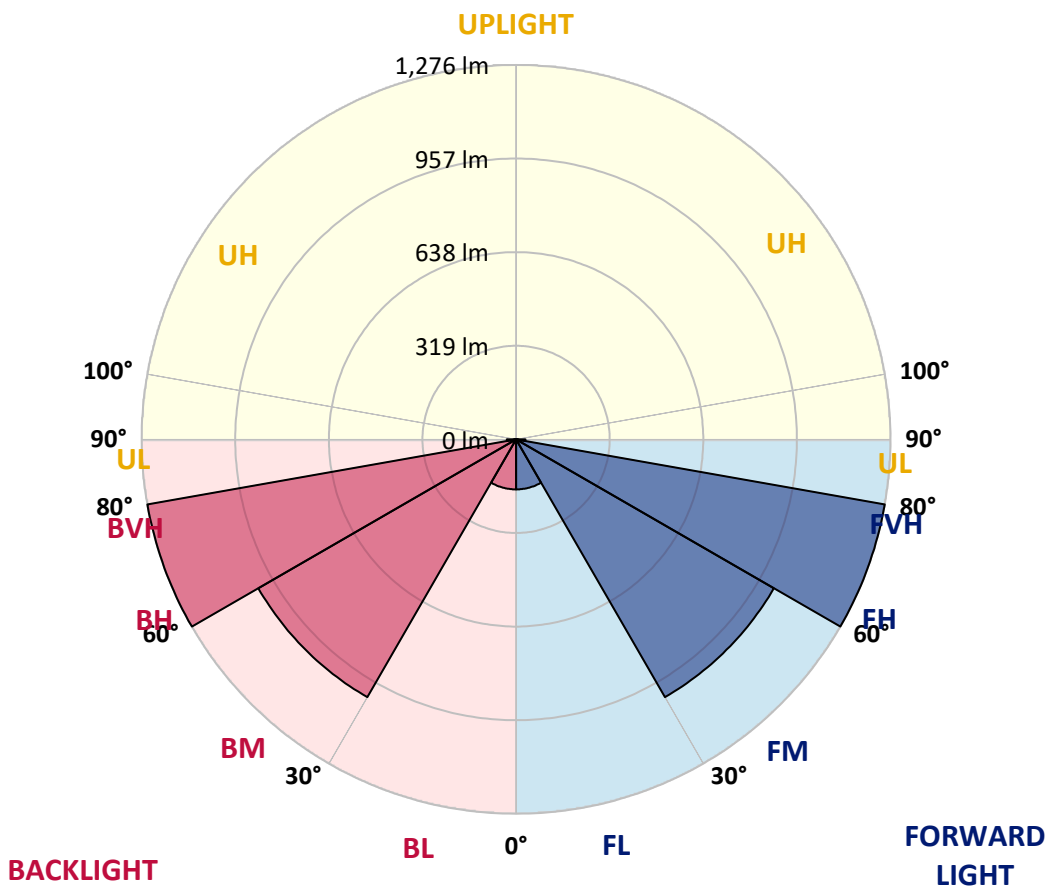
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	170.5	3.4			
FM (30°-60°)	1014.3	20.3			
FH (60°-80°)	1275.8	25.6			G1/1800
FVH (80°-90°)	31.7	0.6			G1/100
BL (0°-30°)	170.5	3.4	B1/500		
BM (30°-60°)	1014.3	20.3	B2/2500		
BH (60°-80°)	1275.8	25.6	B3/2500		G1/1800
BVH (80°-90°)	31.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	390.9	390.9	390.9	390.9	390.9	390.9	390.9	390.9	390.9	390.9	390.9
2.5°	387.7	388.1	388.8	388.8	389.5	390.5	390.9	390.2	390.5	388.8	390.5
5°	386.7	387.0	387.4	386.7	386.7	387.0	387.0	386.3	386.7	384.9	386.7
7.5°	384.2	384.5	384.5	383.5	382.4	383.1	383.1	382.4	382.8	381.0	383.1
10°	382.1	382.1	381.7	379.6	378.6	379.6	380.0	380.3	381.7	380.3	382.8
12.5°	383.5	383.5	382.4	379.6	377.9	378.6	379.3	380.0	382.4	382.1	384.9
15°	387.4	387.7	384.9	381.7	380.7	381.7	381.0	380.7	383.8	384.9	388.1
17.5°	390.5	390.5	387.0	383.8	384.2	386.0	384.5	382.8	386.0	388.1	391.6
20°	393.4	393.0	389.1	387.0	388.4	390.9	389.8	387.4	389.5	392.0	395.1
22.5°	400.4	400.1	395.8	394.8	396.2	398.6	397.6	395.5	397.9	401.5	405.3
25°	420.5	419.8	413.5	409.9	409.2	411.0	410.6	409.9	413.8	418.0	422.6
27.5°	447.3	446.9	442.4	438.8	434.2	432.8	433.9	437.1	442.7	445.9	449.8
30°	460.7	460.7	460.0	465.6	475.5	485.0	477.6	465.6	460.7	459.3	463.2
32.5°	478.3	480.1	477.6	483.9	500.5	514.6	500.5	481.1	477.6	477.6	481.8
35°	518.8	519.5	515.7	514.6	519.9	521.7	515.0	507.9	511.8	512.5	517.8
37.5°	551.3	551.3	549.5	552.3	563.3	570.0	559.0	546.3	547.4	548.1	554.8
40°	601.3	602.7	598.5	598.1	602.4	608.4	596.7	588.6	594.3	596.0	606.3
42.5°	663.7	663.7	657.4	655.6	658.4	664.8	653.8	648.6	656.0	657.4	663.4
45°	738.1	739.8	731.4	728.2	729.6	731.7	724.0	721.5	728.6	731.7	742.3
47.5°	828.7	830.4	823.0	822.7	821.3	822.7	815.3	813.9	819.5	817.0	828.3
50°	940.4	943.6	937.2	946.0	945.0	949.2	939.0	931.6	931.6	924.9	931.2
52.5°	1065.5	1071.9	1075.0	1089.9	1101.1	1111.7	1094.8	1083.2	1066.2	1052.5	1069.8
55°	1201.9	1200.2	1220.3	1252.7	1285.8	1310.9	1277.7	1241.1	1213.6	1185.0	1191.7
57.5°	1321.4	1327.4	1353.9	1413.1	1478.6	1531.5	1471.9	1401.4	1339.1	1298.2	1303.8
60°	1420.8	1425.8	1461.0	1546.3	1660.9	1733.8	1639.4	1523.0	1432.5	1376.1	1382.1
62.5°	1512.5	1517.1	1552.7	1646.8	1791.3	1886.4	1764.5	1605.5	1504.7	1448.0	1451.5
65°	1565.3	1568.2	1616.8	1715.8	1868.1	1966.5	1829.0	1665.1	1566.0	1508.2	1510.4
67.5°	1469.1	1473.7	1576.3	1713.0	1882.9	1967.9	1831.8	1666.9	1555.5	1480.0	1481.8
70°	1158.9	1155.1	1277.4	1512.5	1798.0	1908.7	1750.4	1541.7	1369.7	1264.3	1262.6
72.5°	883.7	884.7	952.7	1113.8	1465.9	1761.3	1544.5	1241.4	1056.0	976.0	972.8
75°	640.8	650.7	706.0	824.1	1025.3	1316.5	1162.8	920.0	795.9	748.0	740.9
77.5°	288.7	301.4	378.6	517.4	685.6	727.5	730.3	624.6	471.3	391.6	379.3
80°	84.2	90.2	116.0	198.4	319.3	412.7	327.8	275.6	171.7	134.6	128.3
82.5°	35.6	40.5	49.7	55.0	92.7	191.4	119.1	75.8	70.5	57.1	52.2
85°	15.2	16.2	20.8	22.2	30.0	40.9	37.7	34.2	32.8	25.4	23.3
87.5°	6.3	6.3	6.3	5.6	5.3	5.6	7.8	9.9	13.0	10.2	9.5
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)