

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: P630871

Luminaire Tested: GWS-SA1E-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630871
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-SA1E-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: 7858.2 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

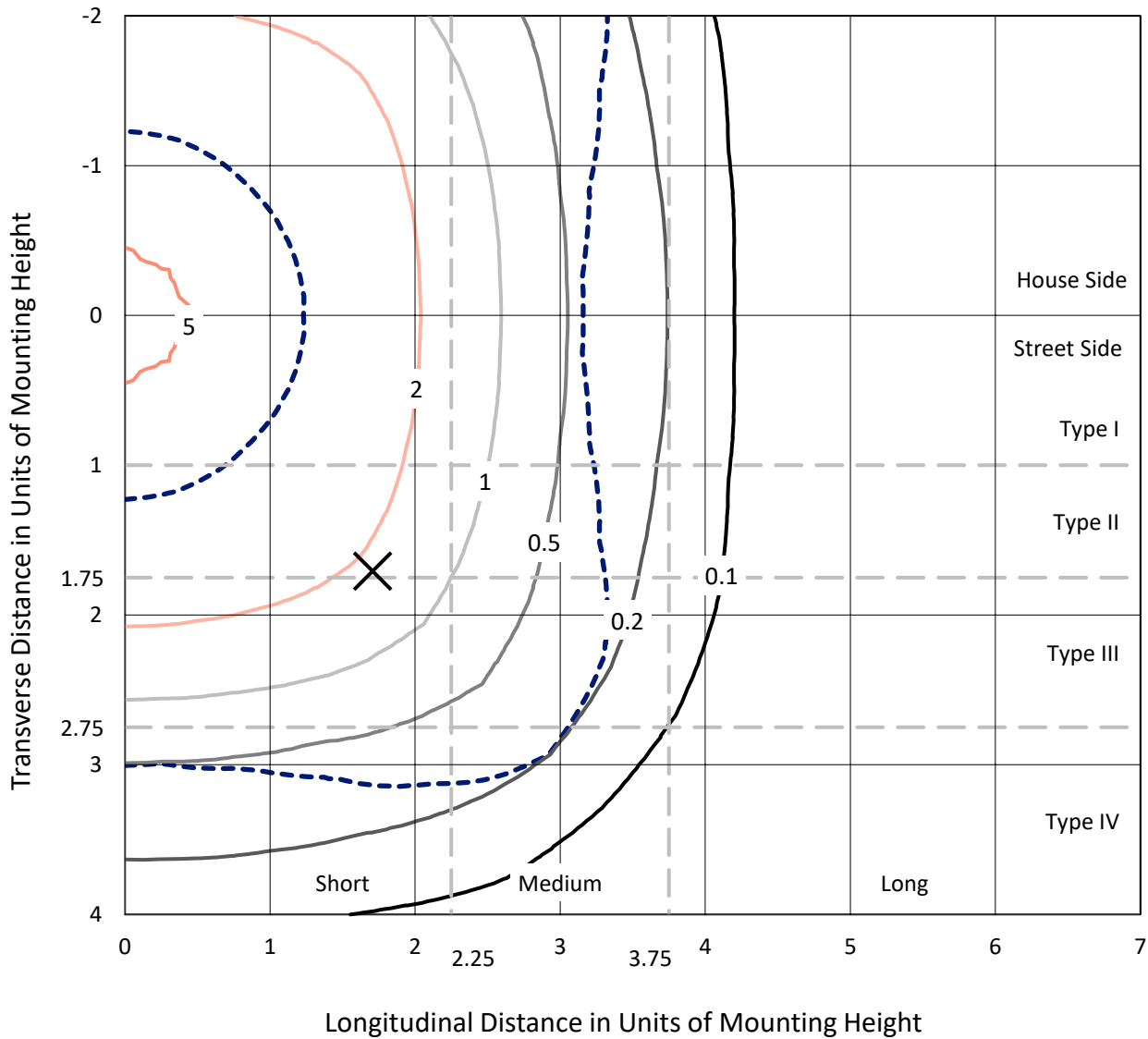
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

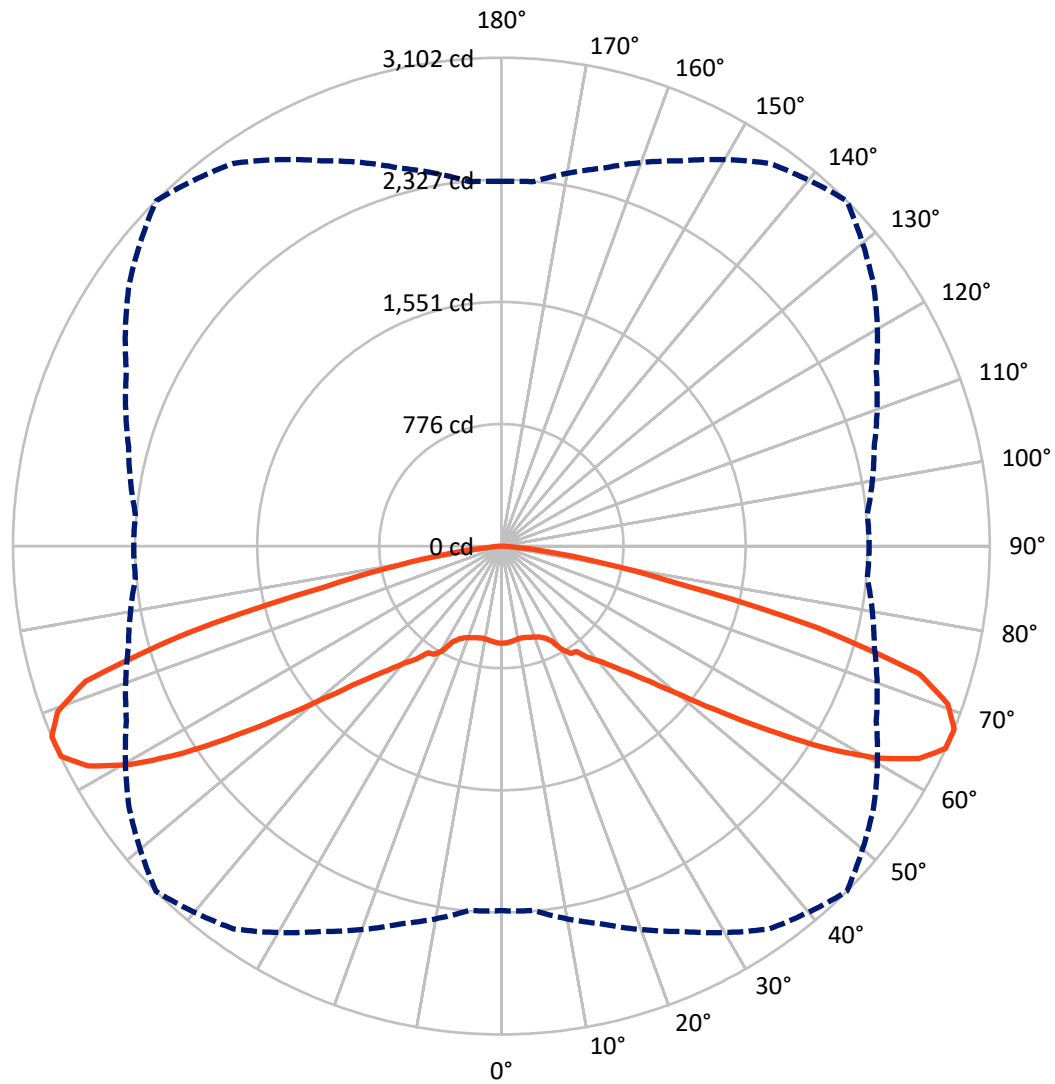
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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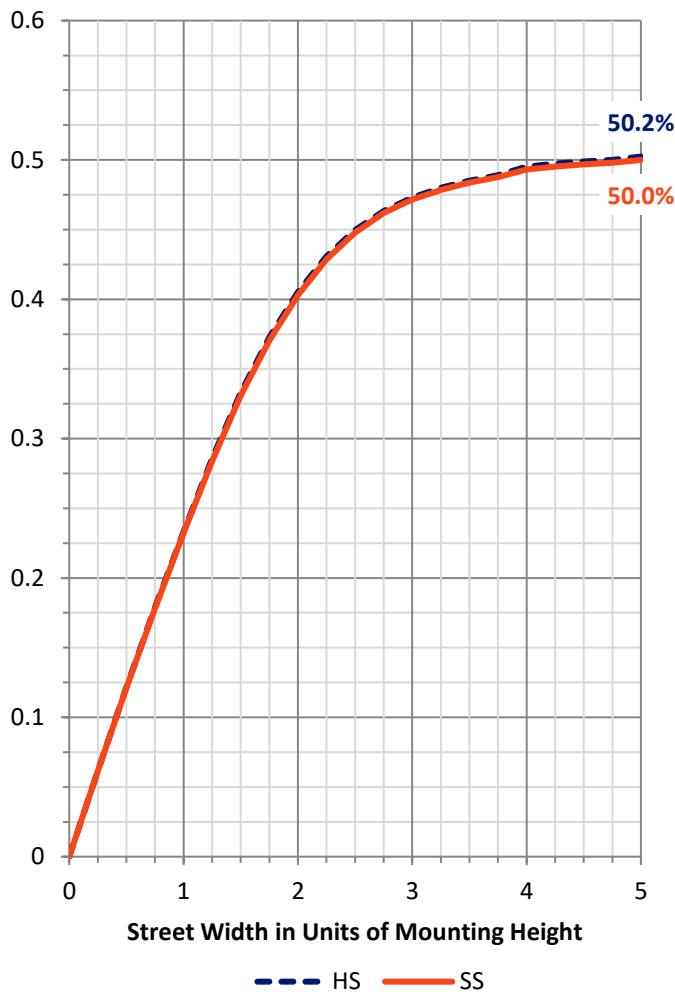
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3929.1	0.0	3929.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3929.1	0.0	3929.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7858.2	0.0	7858.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	0.7
10°-20°	171.7	2.2
20°-30°	308.0	3.9
30°-40°	520.3	6.6
40°-50°	914.2	11.6
50°-60°	1763.5	22.4
60°-70°	2558.7	32.6
70°-80°	1464.0	18.6
80°-90°	99.9	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°	7858.2	100.0
0°-180°	7858.2	100.0

Coefficient of Utilization



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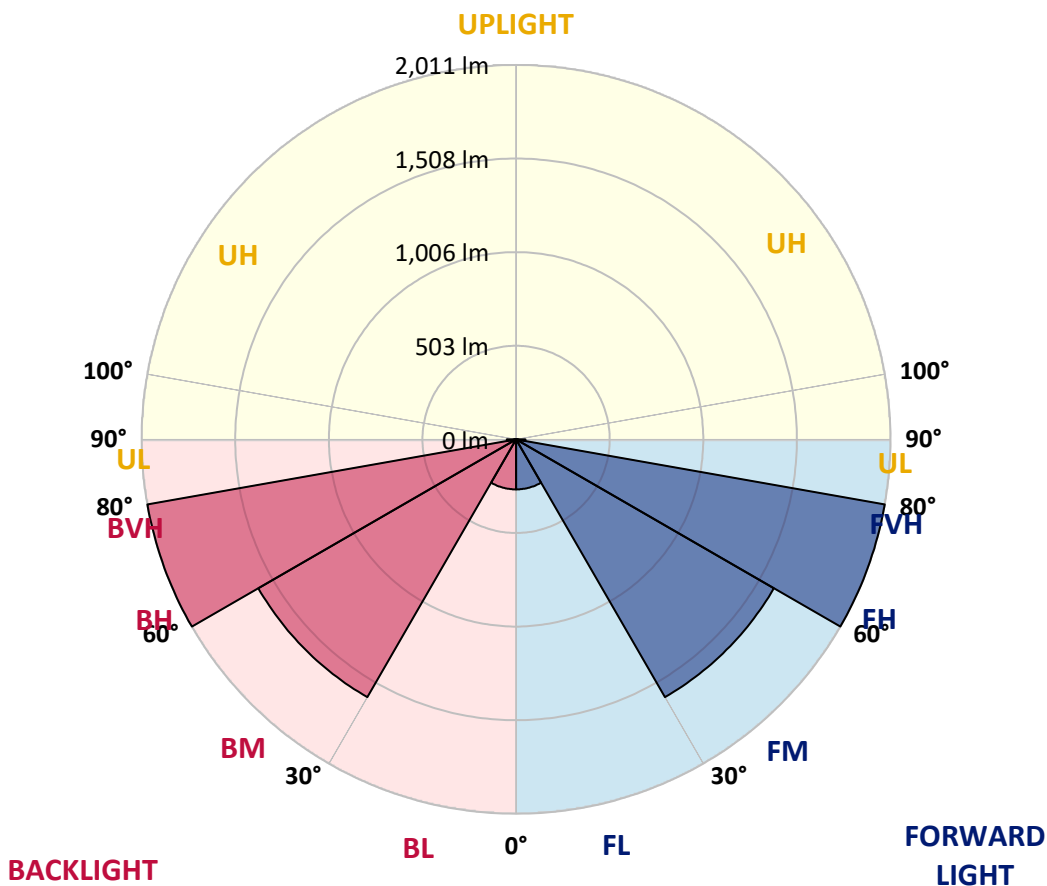
CATALOG NUMBER: GWS-SA1E-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.8	3.4			
FM (30°-60°)	1599.0	20.3			
FH (60°-80°)	2011.3	25.6			G2/5000
FVH (80°-90°)	50.0	0.6			G1/100
BL (0°-30°)	268.8	3.4	B1/500		
BM (30°-60°)	1599.0	20.3	B2/2500		
BH (60°-80°)	2011.3	25.6	B3/2500		G2/5000
BVH (80°-90°)	50.0	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2	616.2
2.5°	611.2	611.8	612.9	612.9	614.0	615.7	616.2	615.1	615.7	612.9	615.7
5°	609.6	610.1	610.7	609.6	609.6	610.1	610.1	609.0	609.6	606.8	609.6
7.5°	605.7	606.2	606.2	604.6	602.9	604.0	604.0	602.9	603.5	600.7	604.0
10°	602.4	602.4	601.8	598.5	596.8	598.5	599.0	599.6	601.8	599.6	603.5
12.5°	604.6	604.6	602.9	598.5	595.7	596.8	597.9	599.0	602.9	602.4	606.8
15°	610.7	611.2	606.8	601.8	600.1	601.8	600.7	600.1	605.1	606.8	611.8
17.5°	615.7	615.7	610.1	605.1	605.7	608.5	606.2	603.5	608.5	611.8	617.4
20°	620.1	619.6	613.5	610.1	612.4	616.2	614.6	610.7	614.0	617.9	622.9
22.5°	631.2	630.7	624.0	622.4	624.6	628.5	626.8	623.5	627.4	632.9	639.0
25°	662.9	661.8	651.8	646.2	645.1	647.9	647.4	646.2	652.4	659.0	666.3
27.5°	705.2	704.6	697.4	691.8	684.6	682.4	684.0	689.0	697.9	702.9	709.0
30°	726.3	726.3	725.2	734.0	749.6	764.6	752.9	734.0	726.3	724.0	730.2
32.5°	754.1	756.8	752.9	762.9	789.1	811.3	789.1	758.5	752.9	752.9	759.6
35°	818.0	819.1	813.0	811.3	819.6	822.4	811.8	800.7	806.8	808.0	816.3
37.5°	869.1	869.1	866.3	870.7	888.0	898.5	881.3	861.3	863.0	864.1	874.6
40°	948.0	950.2	943.5	943.0	949.6	959.1	940.8	928.0	936.9	939.6	955.8
42.5°	1046.3	1046.3	1036.3	1033.6	1038.0	1048.0	1030.8	1022.4	1034.1	1036.3	1045.8
45°	1163.6	1166.4	1153.0	1148.0	1150.2	1153.6	1141.4	1137.5	1148.6	1153.6	1170.3
47.5°	1306.4	1309.2	1297.5	1296.9	1294.7	1296.9	1285.3	1283.1	1291.9	1288.1	1305.8
50°	1482.5	1487.5	1477.5	1491.4	1489.8	1496.4	1480.3	1468.6	1468.6	1458.1	1468.1
52.5°	1679.8	1689.8	1694.8	1718.1	1735.9	1752.6	1725.9	1707.6	1680.9	1659.2	1686.5
55°	1894.9	1892.1	1923.7	1974.9	2027.1	2066.6	2014.3	1956.5	1913.2	1868.2	1878.7
57.5°	2083.2	2092.7	2134.3	2227.7	2331.1	2414.4	2320.5	2209.4	2111.0	2046.6	2055.4
60°	2239.9	2247.7	2303.3	2437.7	2618.3	2733.4	2584.4	2401.1	2258.3	2169.4	2178.8
62.5°	2384.4	2391.6	2447.7	2596.1	2823.9	2974.0	2781.7	2531.1	2372.2	2282.7	2288.3
65°	2467.8	2472.2	2548.9	2705.0	2945.1	3100.1	2883.4	2625.0	2468.9	2377.7	2381.1
67.5°	2316.1	2323.3	2485.0	2700.6	2968.4	3102.3	2887.8	2627.8	2452.2	2333.3	2336.1
70°	1827.1	1820.9	2013.8	2384.4	2834.5	3009.0	2759.5	2430.5	2159.4	1993.2	1990.4
72.5°	1393.1	1394.7	1502.0	1755.9	2311.1	2776.7	2435.0	1957.1	1664.8	1538.7	1533.7
75°	1010.2	1025.8	1113.0	1299.2	1616.5	2075.4	1833.2	1450.3	1254.7	1179.1	1168.0
77.5°	455.1	475.1	596.8	815.7	1080.8	1146.9	1151.4	984.7	742.9	617.4	597.9
80°	132.8	142.3	182.8	312.8	503.4	650.7	516.8	434.5	270.6	212.3	202.3
82.5°	56.1	63.9	78.4	86.7	146.1	301.7	187.8	119.5	111.1	90.0	82.2
85°	23.9	25.6	32.8	35.0	47.2	64.5	59.5	53.9	51.7	40.0	36.7
87.5°	10.0	10.0	10.0	8.9	8.3	8.9	12.2	15.6	20.6	16.1	15.0
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)