

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: P629936

Luminaire Tested: GWS-SA1C-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629936
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-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4916.2 lumens
Efficiency: N/A
Efficacy: 144.2 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

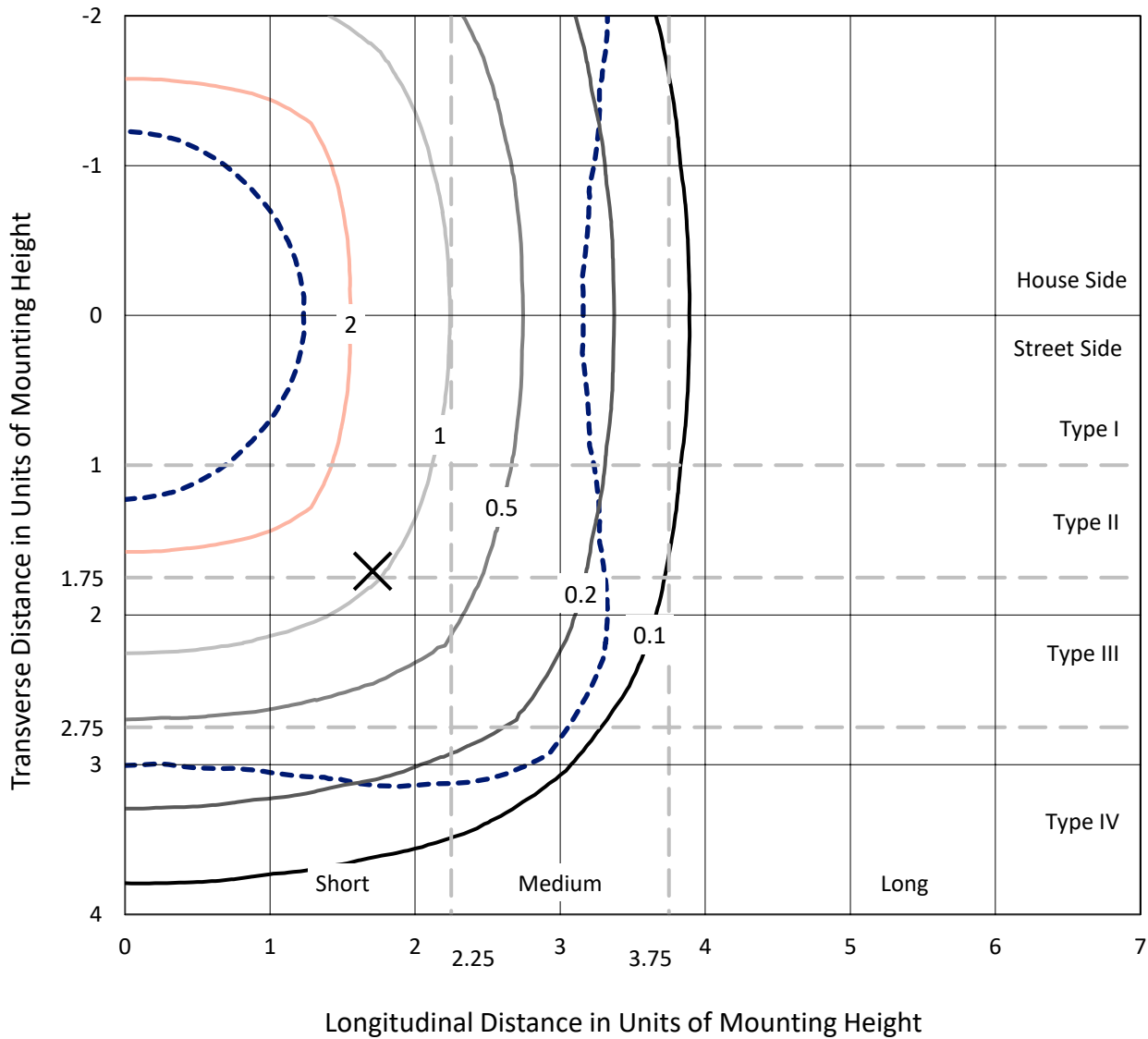
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629936
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Iso-Footcandle Lines of Horizontal Illumination

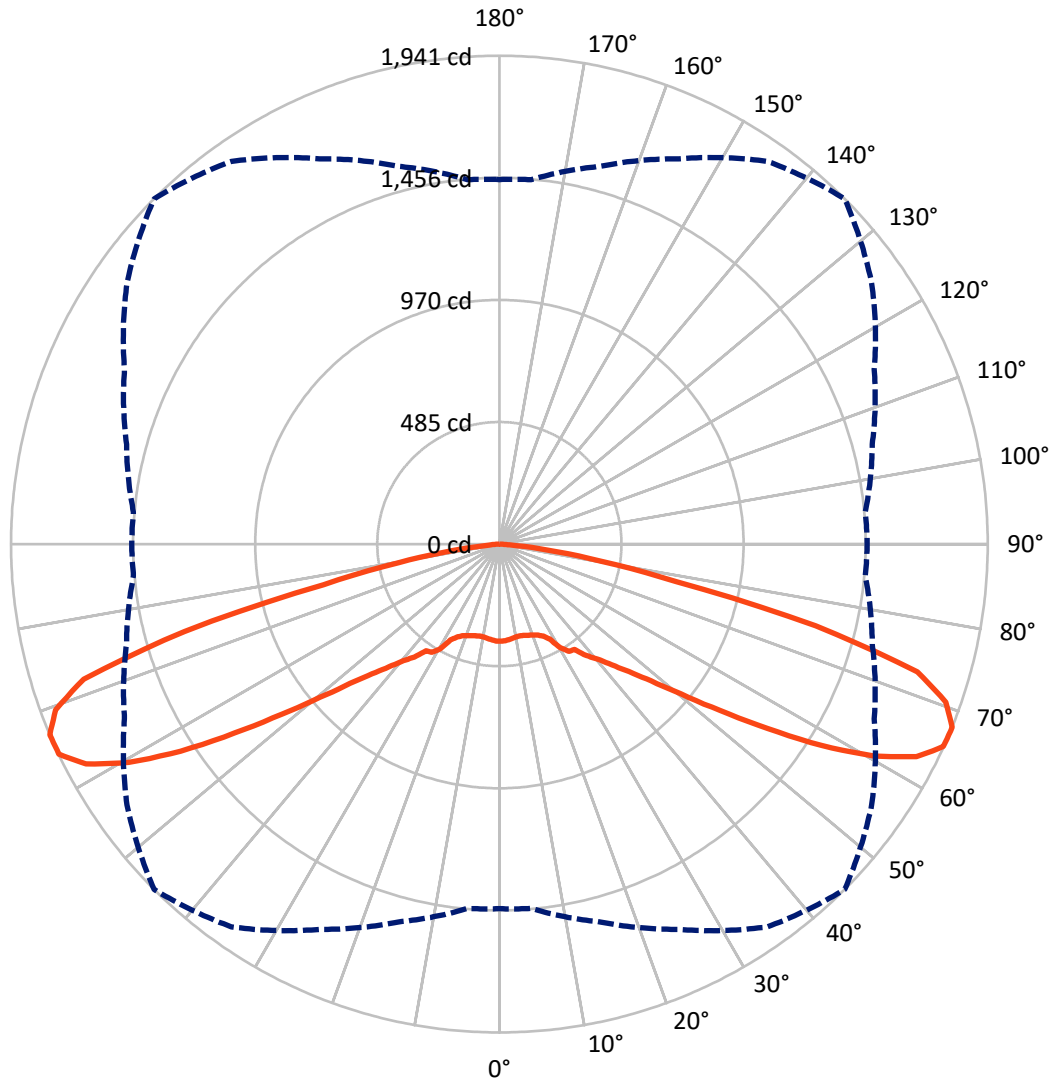
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P629936
CATALOG NUMBER: GWS-SA1C-760-U-5WQ-W

Luminous Intensity Polar Plot



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

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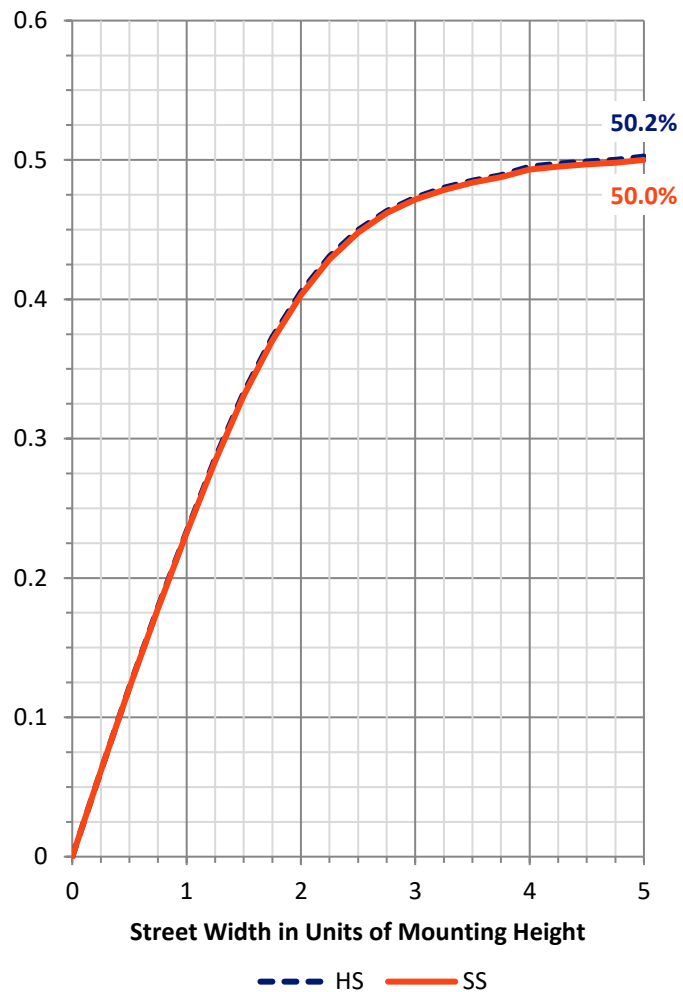
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2458.1	0.0	2458.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2458.1	0.0	2458.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4916.2	0.0	4916.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	0.7
10°-20°	107.4	2.2
20°-30°	192.7	3.9
30°-40°	325.5	6.6
40°-50°	571.9	11.6
50°-60°	1103.3	22.4
60°-70°	1600.7	32.6
70°-80°	915.9	18.6
80°-90°	62.5	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°	4916.2	100.0
0°-180°	4916.2	100.0

Coefficient of Utilization



REPORT NUMBER: P629936

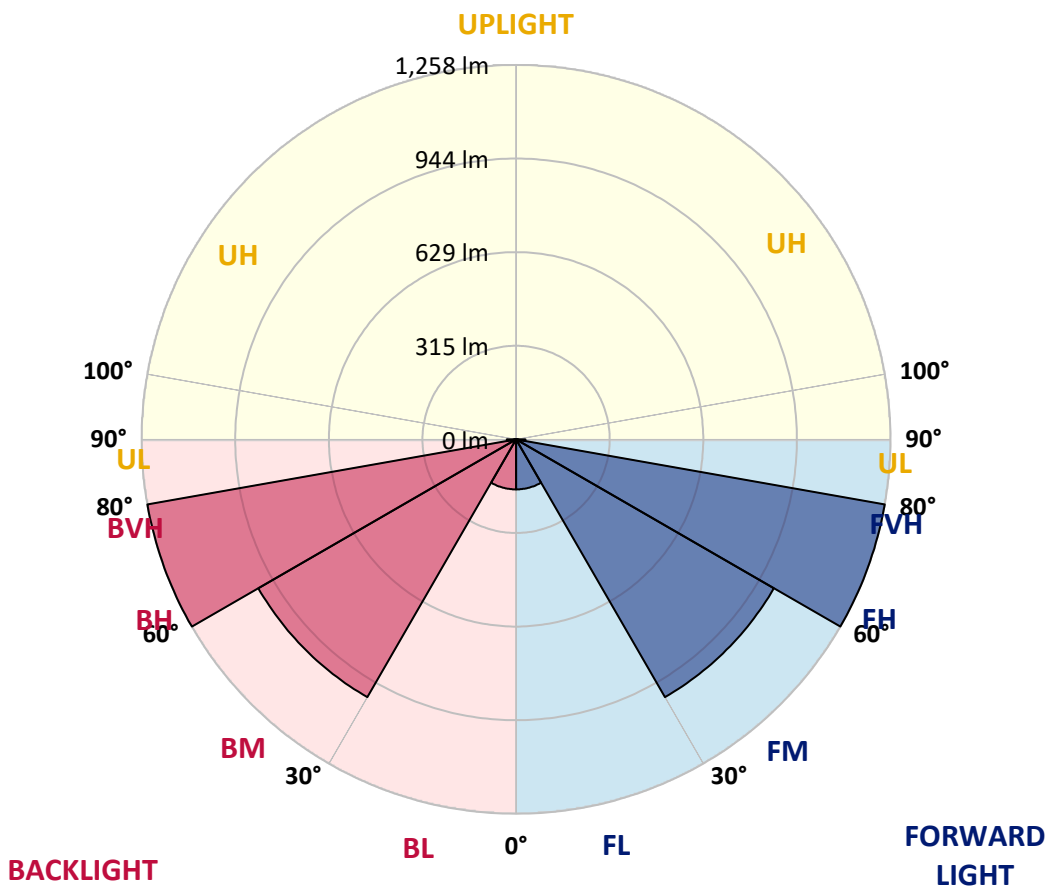
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	3.4			
FM (30°-60°)	1000.4	20.3			
FH (60°-80°)	1258.3	25.6			G1/1800
FVH (80°-90°)	31.3	0.6			G1/100
BL (0°-30°)	168.2	3.4	B1/500		
BM (30°-60°)	1000.4	20.3	B2/2500		
BH (60°-80°)	1258.3	25.6	B3/2500		G1/1800
BVH (80°-90°)	31.3	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°	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5
2.5°	382.4	382.7	383.4	383.4	384.1	385.2	385.5	384.8	385.2	383.4	385.2
5°	381.4	381.7	382.1	381.4	381.4	381.7	381.7	381.0	381.4	379.6	381.4
7.5°	378.9	379.3	379.3	378.2	377.2	377.9	377.9	377.2	377.5	375.8	377.9
10°	376.8	376.8	376.5	374.4	373.4	374.4	374.8	375.1	376.5	375.1	377.5
12.5°	378.2	378.2	377.2	374.4	372.7	373.4	374.1	374.8	377.2	376.8	379.6
15°	382.1	382.4	379.6	376.5	375.4	376.5	375.8	375.4	378.6	379.6	382.7
17.5°	385.2	385.2	381.7	378.6	378.9	380.7	379.3	377.5	380.7	382.7	386.2
20°	388.0	387.6	383.8	381.7	383.1	385.5	384.5	382.1	384.1	386.6	389.7
22.5°	394.9	394.6	390.4	389.4	390.7	393.2	392.1	390.0	392.5	396.0	399.8
25°	414.7	414.0	407.8	404.3	403.6	405.3	405.0	404.3	408.1	412.3	416.8
27.5°	441.2	440.8	436.3	432.8	428.3	426.9	427.9	431.1	436.6	439.8	443.6
30°	454.4	454.4	453.7	459.2	469.0	478.3	471.0	459.2	454.4	453.0	456.8
32.5°	471.7	473.5	471.0	477.3	493.6	507.6	493.6	474.5	471.0	471.0	475.2
35°	511.7	512.4	508.6	507.6	512.8	514.5	507.9	500.9	504.8	505.5	510.7
37.5°	543.7	543.7	542.0	544.7	555.5	562.1	551.4	538.8	539.9	540.6	547.2
40°	593.1	594.5	590.3	589.9	594.1	600.0	588.6	580.6	586.1	587.9	597.9
42.5°	654.6	654.6	648.3	646.6	649.4	655.6	644.9	639.7	647.0	648.3	654.3
45°	728.0	729.7	721.3	718.2	719.6	721.7	714.0	711.6	718.6	721.7	732.1
47.5°	817.3	819.0	811.7	811.4	810.0	811.4	804.1	802.7	808.3	805.8	816.9
50°	927.5	930.6	924.4	933.1	932.0	936.2	926.1	918.8	918.8	912.2	918.5
52.5°	1050.9	1057.2	1060.3	1074.9	1086.0	1096.4	1079.8	1068.3	1051.6	1038.0	1055.1
55°	1185.4	1183.7	1203.5	1235.5	1268.2	1292.9	1260.2	1224.0	1196.9	1168.8	1175.4
57.5°	1303.3	1309.2	1335.3	1393.7	1458.3	1510.5	1451.7	1382.2	1320.7	1280.4	1285.9
60°	1401.3	1406.2	1441.0	1525.1	1638.1	1710.0	1616.9	1502.1	1412.8	1357.2	1363.1
62.5°	1491.7	1496.2	1531.3	1624.2	1766.7	1860.6	1740.3	1583.5	1484.1	1428.1	1431.6
65°	1543.9	1546.6	1594.6	1692.3	1842.5	1939.5	1803.9	1642.2	1544.6	1487.5	1489.6
67.5°	1449.0	1453.5	1554.6	1689.5	1857.1	1940.9	1806.7	1644.0	1534.1	1459.7	1461.5
70°	1143.0	1139.2	1259.8	1491.7	1773.3	1882.5	1726.4	1520.6	1350.9	1247.0	1245.2
72.5°	871.5	872.6	939.7	1098.5	1445.8	1737.1	1523.3	1224.4	1041.5	962.6	959.5
75°	632.0	641.7	696.3	812.8	1011.3	1298.4	1146.9	907.3	785.0	737.7	730.7
77.5°	284.7	297.2	373.4	510.3	676.2	717.5	720.3	616.0	464.8	386.2	374.1
80°	83.1	89.0	114.4	195.7	315.0	407.1	323.3	271.9	169.3	132.8	126.5
82.5°	35.1	40.0	49.0	54.2	91.4	188.8	117.5	74.7	69.5	56.3	51.5
85°	14.9	16.0	20.5	21.9	29.5	40.3	37.2	33.7	32.3	25.0	22.9
87.5°	6.3	6.3	6.3	5.6	5.2	5.6	7.6	9.7	12.9	10.1	9.4
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)