

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: P633399

Luminaire Tested: GWS-SA2E-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-760-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7746.9 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 108.2
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

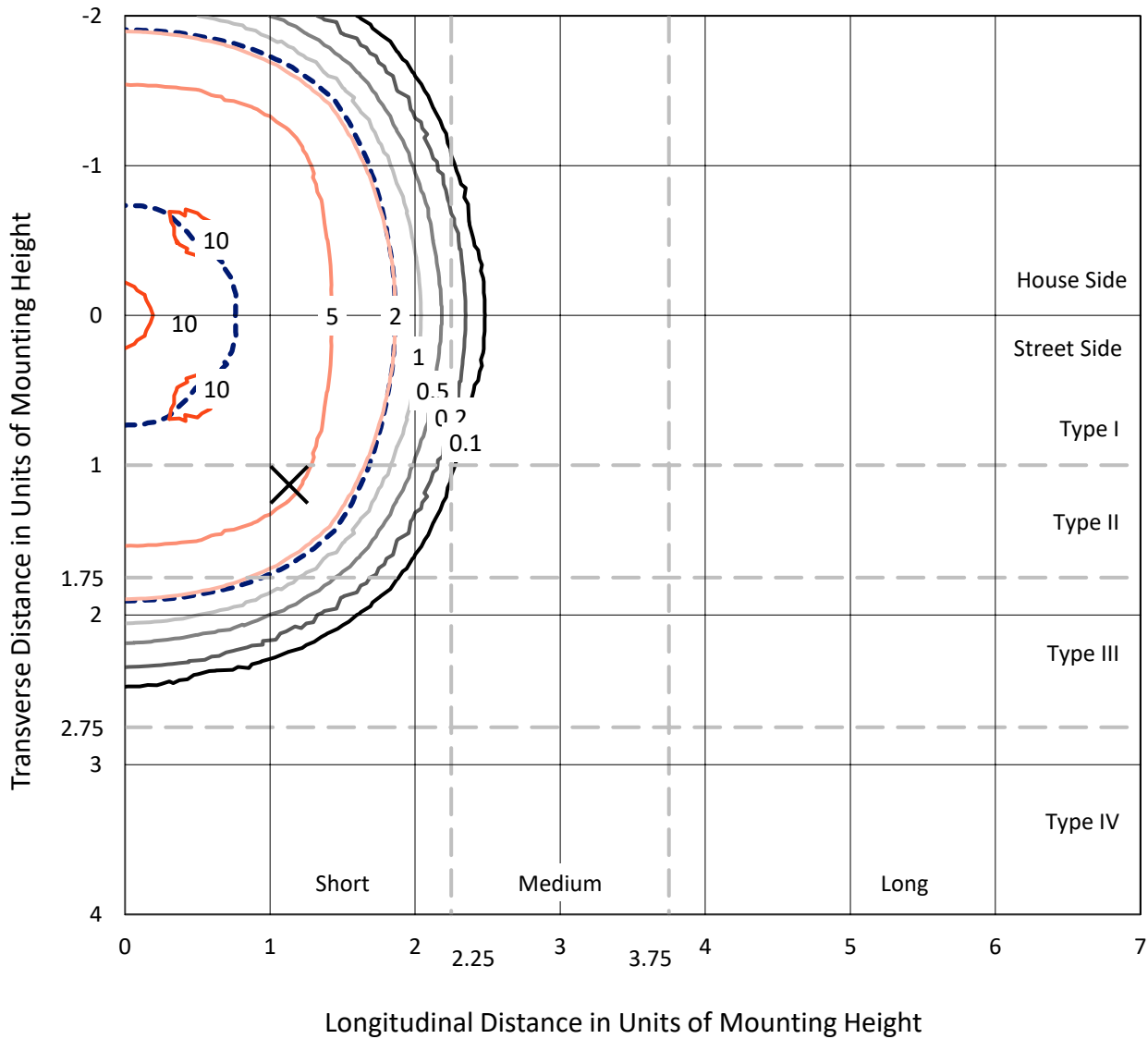


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Iso-Footcandle Lines of Horizontal Illumination

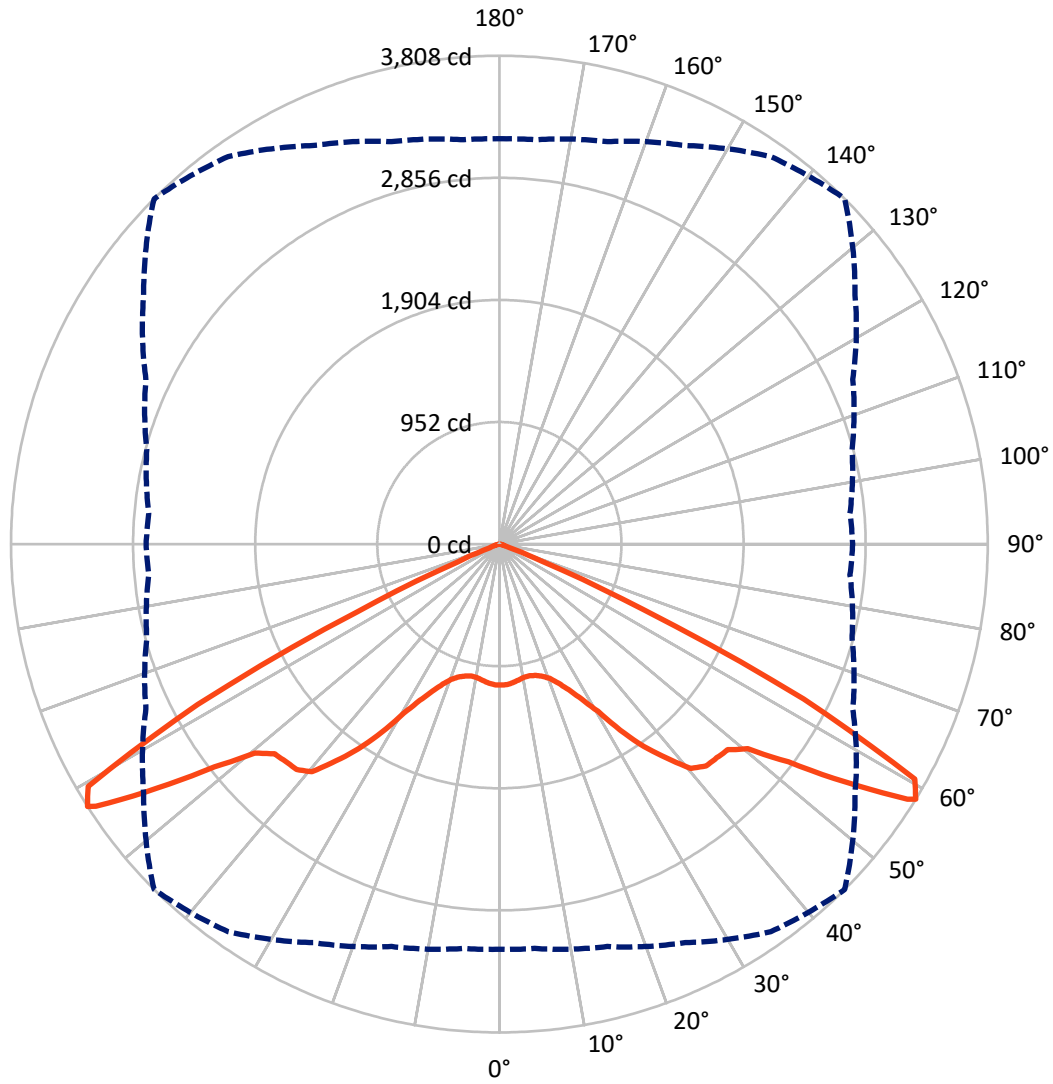
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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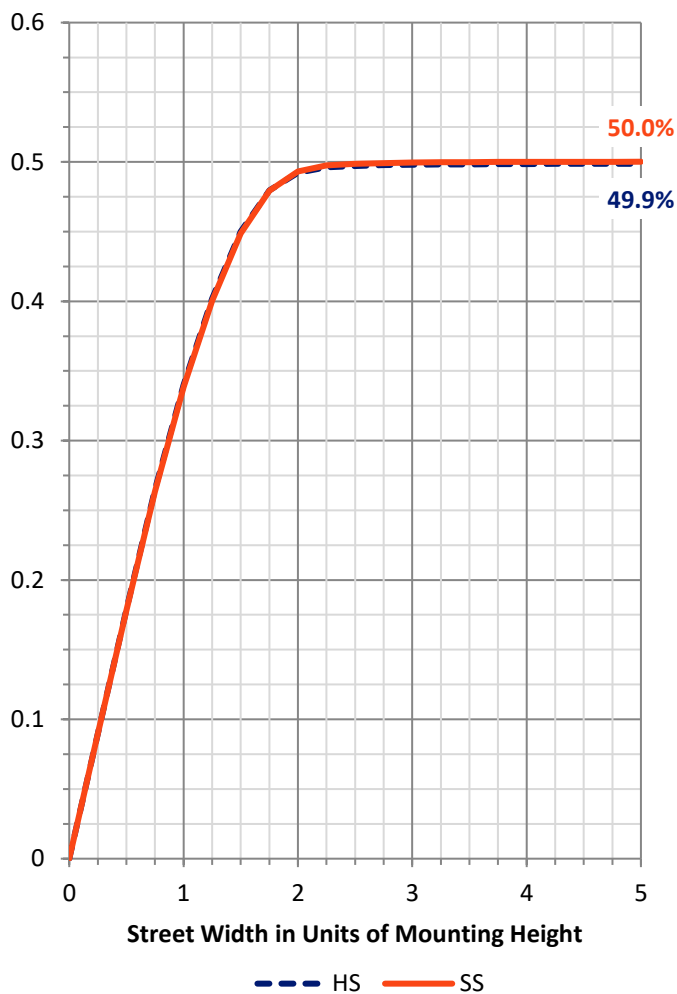
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3873.5	0.0	3873.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3873.5	0.0	3873.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7746.9	0.0	7746.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	1.3
10°-20°	303.3	3.9
20°-30°	573.6	7.4
30°-40°	1131.3	14.6
40°-50°	1790.3	23.1
50°-60°	2631.6	34.0
60°-70°	1174.6	15.2
70°-80°	39.4	0.5
80°-90°	0.3	0.0
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°	7746.9	100.0
0°-180°	7746.9	100.0

Coefficient of Utilization



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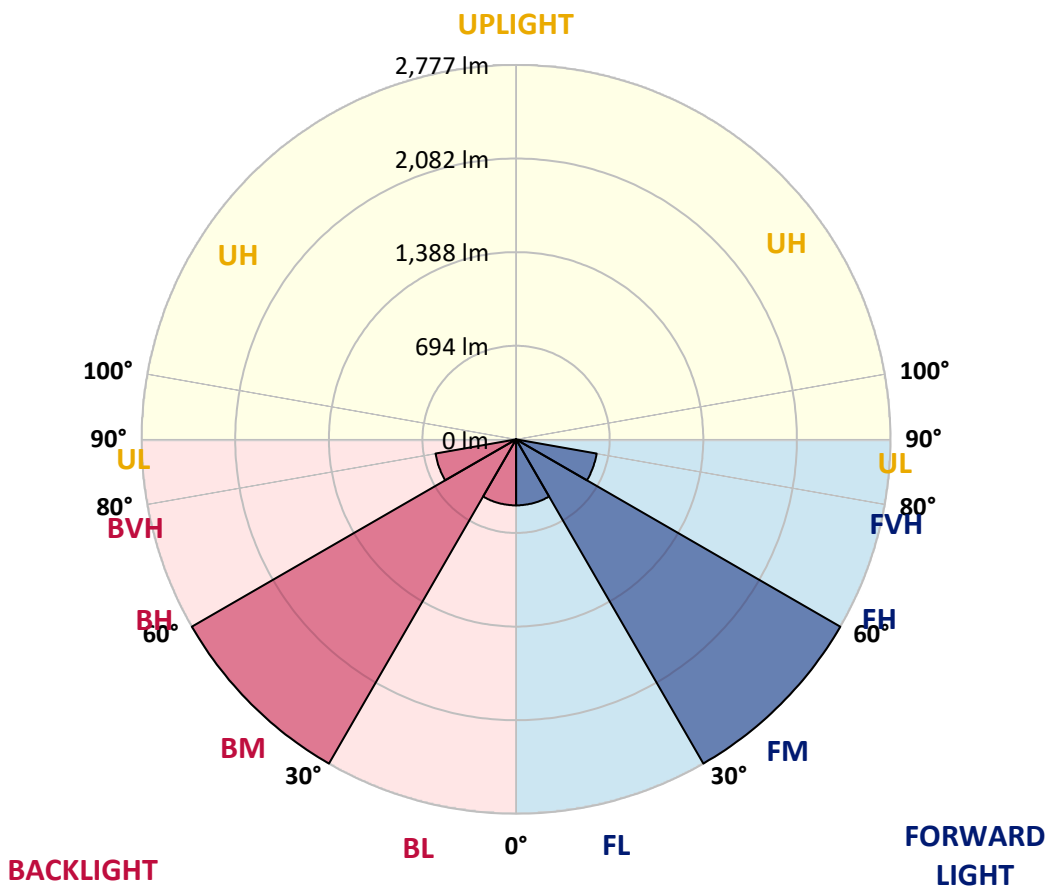
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.7	6.3			
FM (30°-60°)	2776.6	35.8			
FH (60°-80°)	607.0	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	489.7	6.3	B1/500		
BM (30°-60°)	2776.6	35.8	B3/5000		
BH (60°-80°)	607.0	7.8	B2/1000		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6
2.5°	1088.1	1090.2	1092.3	1093.3	1094.4	1097.6	1098.6	1095.4	1095.4	1089.1	1096.5
5°	1082.8	1084.9	1087.0	1085.9	1085.9	1085.9	1084.9	1080.7	1079.6	1073.3	1080.7
7.5°	1073.3	1075.4	1075.4	1072.2	1070.1	1070.1	1069.1	1063.8	1062.7	1056.4	1063.8
10°	1065.9	1067.0	1065.9	1059.6	1055.3	1055.3	1054.3	1052.2	1053.2	1049.0	1055.3
12.5°	1070.1	1071.2	1067.0	1058.5	1053.2	1052.2	1049.0	1045.8	1049.0	1048.0	1054.3
15°	1083.8	1084.9	1077.5	1067.0	1062.7	1062.7	1054.3	1045.8	1050.1	1051.1	1058.5
17.5°	1100.7	1100.7	1091.2	1081.7	1082.8	1082.8	1069.1	1054.3	1055.3	1059.6	1067.0
20°	1120.8	1120.8	1111.3	1109.2	1116.6	1117.6	1100.7	1077.5	1072.2	1075.4	1083.8
22.5°	1156.7	1156.7	1149.3	1154.5	1171.4	1176.7	1151.4	1118.7	1106.0	1108.1	1116.6
25°	1212.6	1212.6	1210.5	1223.1	1247.4	1259.0	1225.3	1182.0	1160.9	1157.7	1167.2
27.5°	1306.5	1307.6	1304.4	1323.4	1354.0	1367.7	1321.3	1264.3	1239.0	1233.7	1243.2
30°	1427.9	1427.9	1428.9	1455.3	1495.4	1513.4	1452.2	1385.7	1356.1	1339.2	1351.9
32.5°	1563.0	1565.1	1575.6	1620.0	1690.7	1727.6	1637.9	1545.0	1497.5	1479.6	1493.3
35°	1785.6	1765.6	1752.9	1785.6	1888.0	1936.6	1821.5	1712.8	1676.9	1674.8	1709.7
37.5°	2006.2	1994.6	1968.2	2002.0	2093.8	2116.0	1989.3	1898.6	1873.2	1887.0	1921.8
40°	2181.4	2160.3	2125.5	2157.1	2277.4	2299.6	2143.4	2053.7	2044.2	2074.8	2122.3
42.5°	2319.6	2290.1	2243.7	2251.0	2348.1	2364.0	2225.7	2158.2	2164.5	2202.5	2256.3
45°	2381.9	2358.7	2317.5	2314.4	2375.6	2376.6	2267.9	2233.1	2250.0	2279.5	2321.8
47.5°	2408.3	2397.7	2374.5	2369.2	2404.1	2395.6	2328.1	2313.3	2329.1	2337.6	2361.9
50°	2473.7	2473.7	2476.9	2481.1	2517.0	2508.6	2461.1	2444.2	2424.1	2394.6	2402.0
52.5°	2657.4	2664.7	2695.3	2729.1	2794.6	2822.0	2745.0	2646.8	2550.8	2486.4	2486.4
55°	2988.7	2996.1	3032.0	3089.0	3209.3	3274.7	3095.3	2879.0	2747.1	2659.5	2671.1
57.5°	3171.3	3179.8	3253.6	3407.7	3640.9	3751.7	3366.5	3045.7	2861.0	2760.8	2769.2
58°	3159.7	3165.0	3248.4	3428.8	3688.4	3807.7	3385.5	3040.4	2846.3	2743.9	2754.4
60°	2807.2	2799.8	2932.8	3190.3	3556.5	3721.1	3196.6	2775.6	2549.7	2445.2	2450.5
62.5°	1835.2	1839.5	1954.5	2223.6	2508.6	2663.7	2233.1	1919.7	1738.2	1674.8	1659.0
65°	766.2	752.5	823.2	973.0	1144.0	1230.5	1057.5	894.9	783.1	740.9	752.5
67.5°	197.3	192.1	196.3	245.9	300.8	355.7	298.7	228.0	198.4	200.5	200.5
70°	111.9	105.5	85.5	79.2	77.0	77.0	77.0	77.0	88.6	104.5	107.6
72.5°	84.4	79.2	62.3	53.8	47.5	44.3	46.4	53.8	64.4	78.1	80.2
75°	42.2	42.2	38.0	35.9	31.7	29.5	30.6	33.8	39.0	44.3	43.3
77.5°	8.4	9.5	10.6	12.7	10.6	10.6	10.6	12.7	12.7	13.7	12.7
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)