

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: P634551

Luminaire Tested: GWS-SA3C-722-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7230.4 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

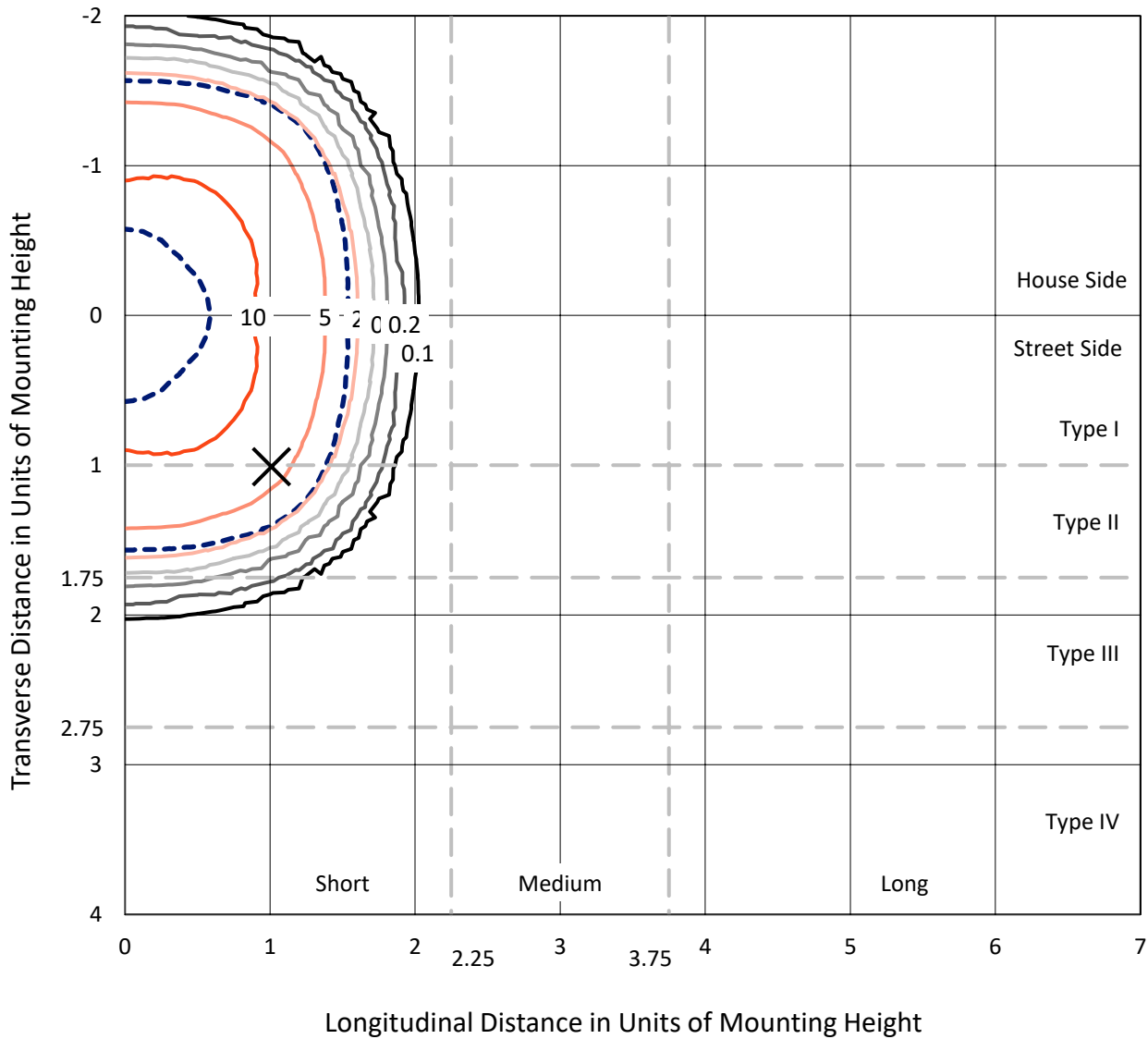
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

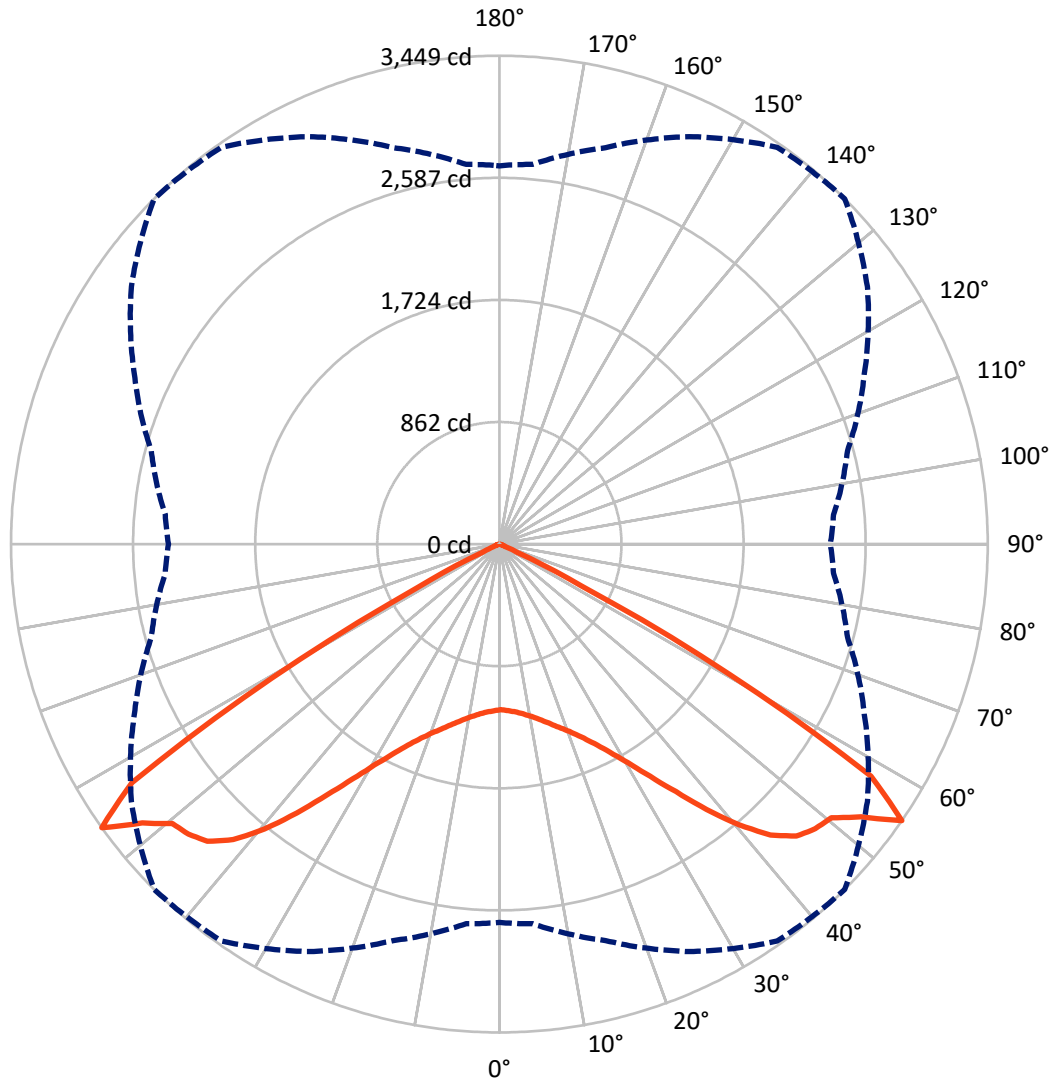
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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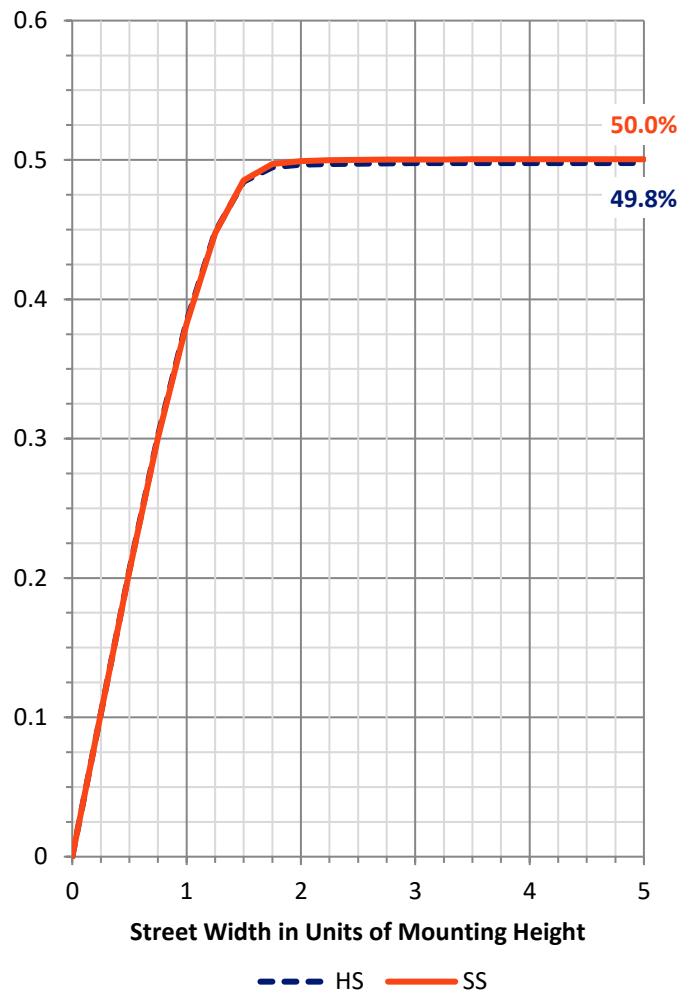
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3615.2	0.0	3615.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3615.2	0.0	3615.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7230.4	0.0	7230.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.6
10°-20°	371.3	5.1
20°-30°	719.0	9.9
30°-40°	1288.2	17.8
40°-50°	2159.7	29.9
50°-60°	2311.9	32.0
60°-70°	254.0	3.5
70°-80°	11.2	0.2
80°-90°	0.5	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°	7230.4	100.0
0°-180°	7230.4	100.0

Coefficient of Utilization



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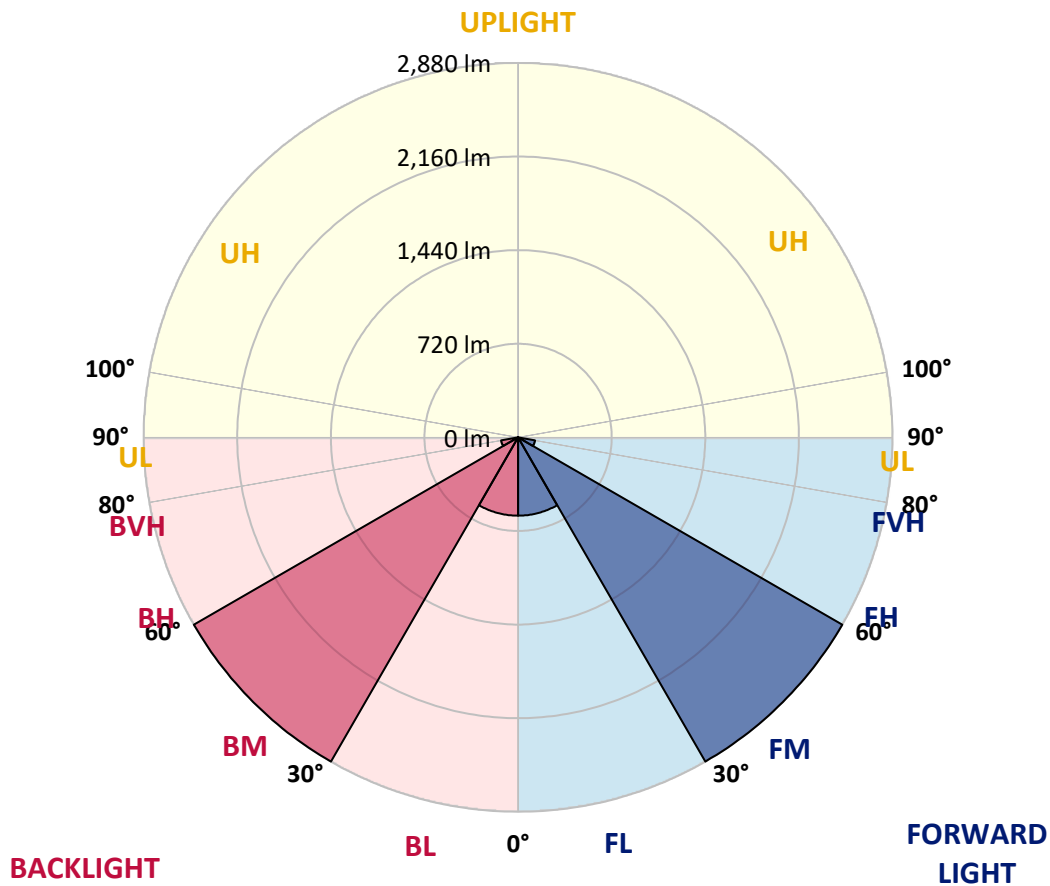
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.4	8.3			
FM (30°-60°)	2879.9	39.8			
FH (60°-80°)	132.6	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	602.4	8.3	B2/1000		
BM (30°-60°)	2879.9	39.8	B3/5000		
BH (60°-80°)	132.6	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	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°	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0	1169.0
2.5°	1166.8	1166.8	1169.8	1172.0	1172.0	1177.9	1175.6	1173.4	1173.4	1170.5	1176.4
5°	1183.7	1183.0	1186.0	1187.4	1184.5	1190.4	1186.7	1184.5	1183.0	1180.1	1186.0
7.5°	1202.2	1202.9	1203.6	1206.6	1205.1	1211.0	1208.1	1203.6	1202.2	1197.7	1203.6
10°	1224.3	1224.3	1225.7	1229.4	1230.2	1237.5	1234.6	1229.4	1225.0	1220.6	1226.5
12.5°	1252.3	1253.0	1255.2	1260.4	1263.3	1271.4	1267.0	1256.7	1250.0	1244.9	1251.5
15°	1292.8	1292.0	1295.0	1302.3	1306.0	1311.9	1305.3	1291.3	1283.2	1277.3	1281.7
17.5°	1337.0	1337.0	1338.4	1345.8	1351.0	1359.8	1351.7	1334.8	1327.4	1319.3	1323.7
20°	1385.6	1387.8	1389.3	1394.4	1403.3	1412.1	1405.5	1388.5	1380.4	1370.1	1375.3
22.5°	1449.7	1447.5	1448.2	1457.0	1469.6	1478.4	1473.2	1453.4	1439.4	1431.3	1434.2
25°	1521.1	1520.4	1522.6	1535.9	1549.8	1559.4	1552.1	1526.3	1512.3	1498.3	1504.2
27.5°	1608.8	1609.5	1611.0	1627.2	1649.3	1663.3	1644.9	1619.1	1599.9	1581.5	1585.9
30°	1712.6	1711.2	1715.6	1737.7	1770.1	1792.2	1770.8	1734.7	1707.5	1689.8	1692.0
32.5°	1823.1	1824.6	1836.4	1871.8	1914.5	1953.5	1910.1	1862.2	1826.8	1793.7	1798.1
35°	1942.5	1946.2	1972.7	2025.0	2094.9	2147.2	2086.8	2008.0	1957.9	1915.2	1916.7
37.5°	2083.2	2092.0	2128.8	2206.9	2307.1	2377.1	2288.7	2184.1	2119.3	2066.2	2062.5
40°	2268.1	2278.4	2328.5	2421.3	2542.8	2606.9	2504.5	2397.0	2316.7	2259.2	2250.4
42.5°	2480.2	2493.5	2548.0	2643.0	2764.5	2808.0	2707.8	2617.2	2545.0	2477.3	2474.3
45°	2719.6	2727.0	2771.2	2844.1	2931.7	2942.1	2866.9	2816.8	2743.9	2680.6	2675.4
47.5°	2944.3	2951.6	2981.8	3019.4	3040.0	3003.2	2989.9	2967.8	2873.6	2795.5	2779.3
50°	3115.2	3121.1	3158.6	3173.4	3115.9	3037.8	3063.6	3016.5	2914.1	2826.4	2801.4
52.5°	3103.4	3118.1	3214.6	3298.6	3262.5	3199.1	3129.9	3028.2	2869.1	2749.1	2718.1
55°	2671.7	2691.6	2898.6	3174.8	3421.6	3448.9	3171.9	2844.1	2545.0	2369.0	2337.3
57.5°	1717.1	1722.2	1974.9	2362.3	2918.5	3093.8	2630.5	2144.3	1772.3	1578.6	1565.3
60°	631.3	621.0	811.8	1132.9	1681.0	1866.6	1548.4	1084.3	773.5	636.4	625.4
62.5°	151.7	153.2	190.0	285.1	527.4	652.6	515.6	288.0	183.4	154.0	152.5
65°	76.6	75.1	75.9	81.8	112.7	134.8	110.5	78.1	75.1	75.9	75.1
67.5°	49.4	48.6	50.1	50.8	50.1	47.1	46.4	47.9	47.9	48.6	47.1
70°	30.2	29.5	30.9	33.1	31.7	28.0	29.5	30.9	29.5	28.7	28.7
72.5°	16.2	16.2	17.7	19.2	17.7	16.2	16.2	16.9	16.2	16.2	16.2
75°	7.4	7.4	8.1	8.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	2.2	2.2	2.9	2.9	2.2	2.2	2.2	2.2	2.9	2.9	2.9
80°	0.7	1.5	1.5	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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)