

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: P632351

Luminaire Tested: GWS-SA2C-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632351
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-SA2C-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6662 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

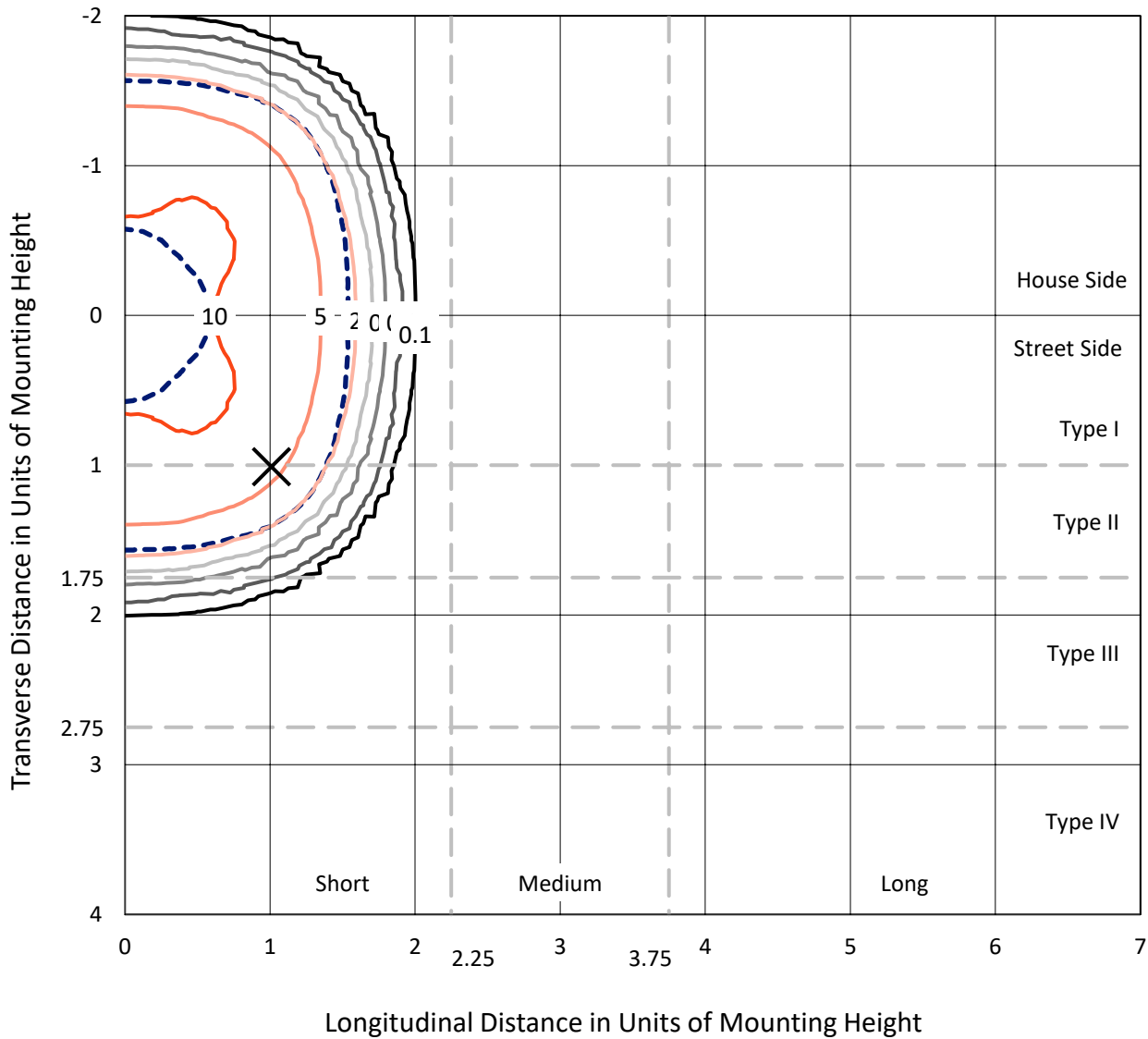
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

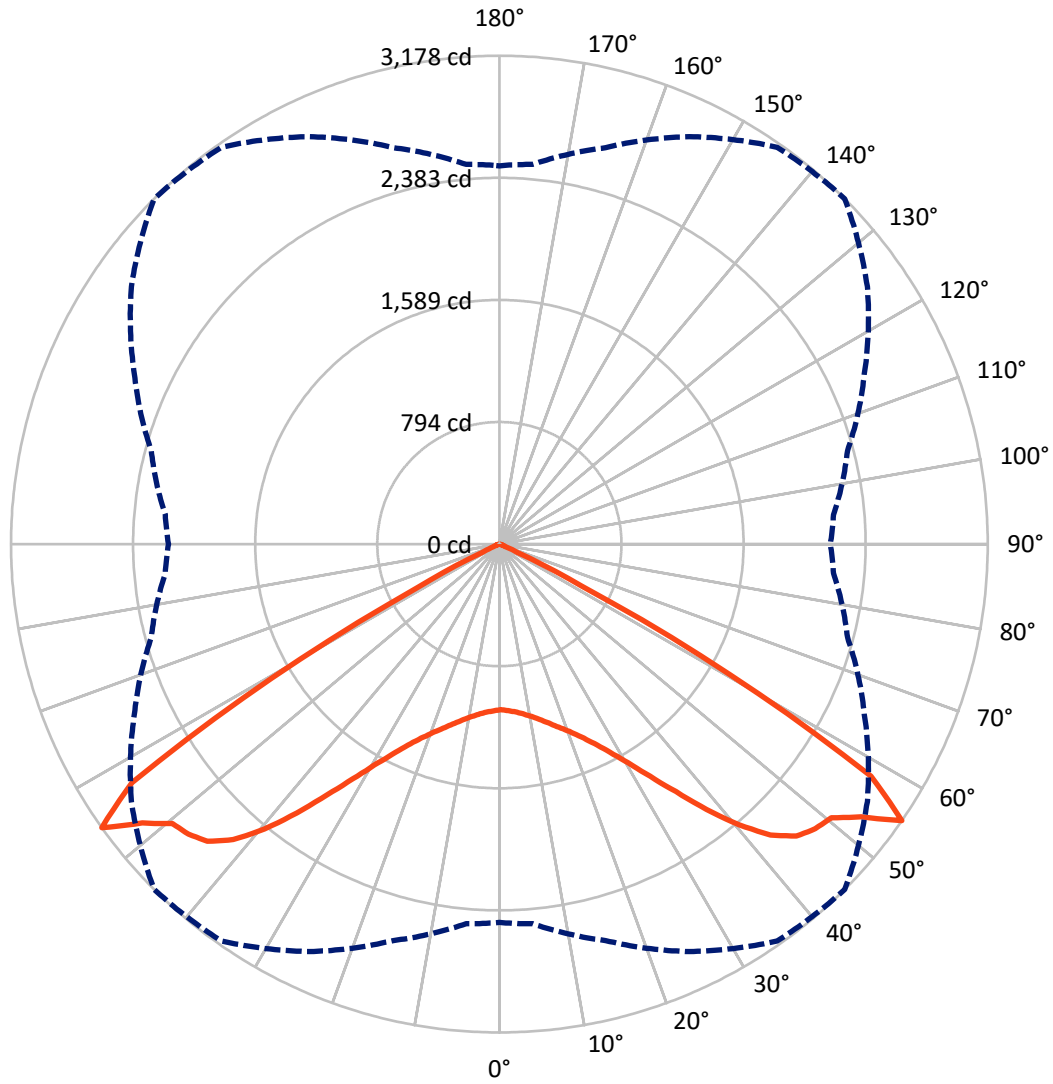
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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	3331.0	0.0	3331.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3331.0	0.0	3331.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6662.0	0.0	6662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.6
10°-20°	342.1	5.1
20°-30°	662.5	9.9
30°-40°	1186.9	17.8
40°-50°	1989.9	29.9
50°-60°	2130.1	32.0
60°-70°	234.1	3.5
70°-80°	10.3	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°	6662.0	100.0
0°-180°	6662.0	100.0

Coefficient of Utilization



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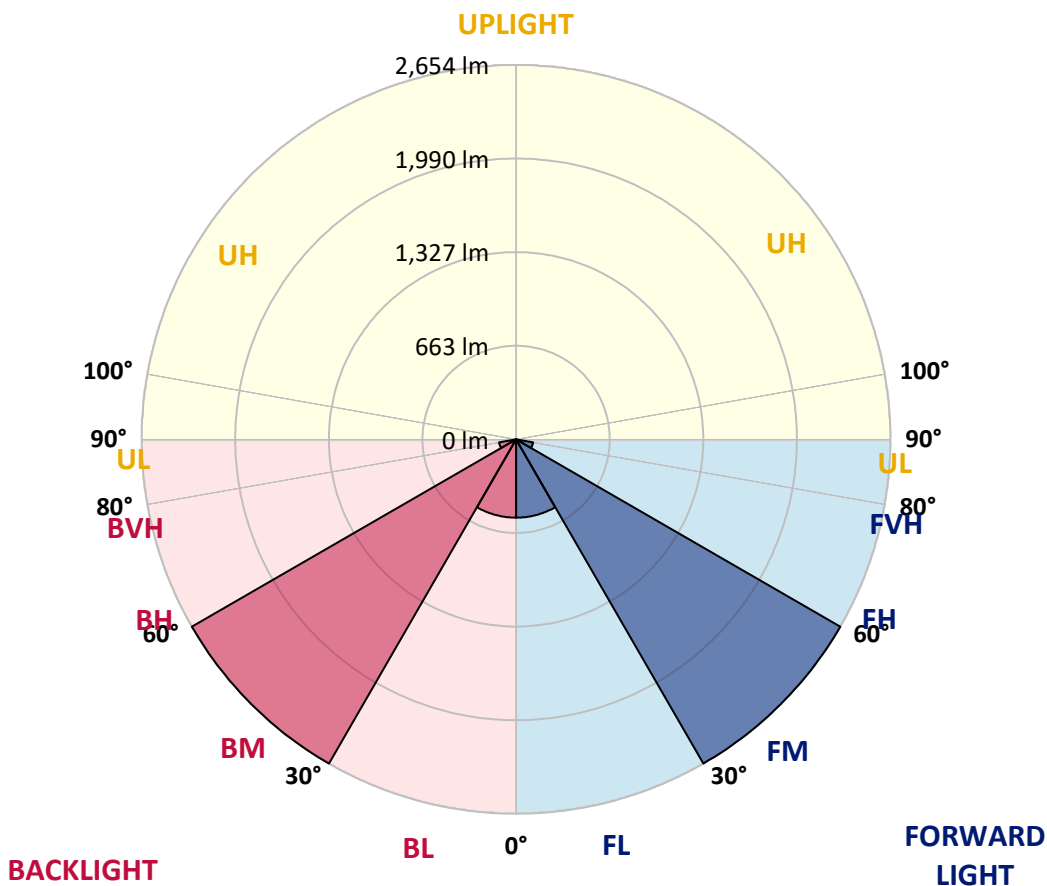
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.1	8.3			
FM (30°-60°)	2653.5	39.8			
FH (60°-80°)	122.2	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	555.1	8.3	B2/1000		
BM (30°-60°)	2653.5	39.8	B3/5000		
BH (60°-80°)	122.2	1.8	B1/500		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°	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1
2.5°	1075.1	1075.1	1077.8	1079.8	1079.8	1085.3	1083.2	1081.2	1081.2	1078.5	1083.9
5°	1090.7	1090.0	1092.7	1094.1	1091.4	1096.8	1093.4	1091.4	1090.0	1087.3	1092.7
7.5°	1107.7	1108.3	1109.0	1111.7	1110.4	1115.8	1113.1	1109.0	1107.7	1103.6	1109.0
10°	1128.0	1128.0	1129.4	1132.8	1133.5	1140.2	1137.5	1132.8	1128.7	1124.6	1130.1
12.5°	1153.8	1154.5	1156.5	1161.3	1164.0	1171.5	1167.4	1157.9	1151.8	1147.0	1153.1
15°	1191.1	1190.5	1193.2	1200.0	1203.4	1208.8	1202.7	1189.8	1182.3	1176.9	1181.0
17.5°	1231.9	1231.9	1233.2	1240.0	1244.8	1252.9	1245.4	1229.8	1223.0	1215.6	1219.6
20°	1276.7	1278.7	1280.1	1284.8	1292.9	1301.1	1295.0	1279.4	1271.9	1262.4	1267.2
22.5°	1335.7	1333.7	1334.3	1342.5	1354.0	1362.2	1357.4	1339.1	1326.2	1318.7	1321.5
25°	1401.5	1400.9	1402.9	1415.1	1428.0	1436.8	1430.0	1406.3	1393.4	1380.5	1385.9
27.5°	1482.3	1483.0	1484.3	1499.3	1519.6	1532.5	1515.6	1491.8	1474.2	1457.2	1461.3
30°	1578.0	1576.6	1580.7	1601.1	1630.9	1651.3	1631.6	1598.4	1573.3	1557.0	1559.0
32.5°	1679.8	1681.2	1692.0	1724.6	1764.0	1799.9	1759.9	1715.8	1683.2	1652.7	1656.7
35°	1789.8	1793.2	1817.6	1865.8	1930.3	1978.4	1922.8	1850.2	1804.0	1764.7	1766.0
37.5°	1919.4	1927.5	1961.5	2033.4	2125.7	2190.2	2108.8	2012.4	1952.7	1903.8	1900.4
40°	2089.8	2099.3	2145.4	2230.9	2342.9	2402.0	2307.6	2208.5	2134.6	2081.6	2073.5
42.5°	2285.2	2297.4	2347.7	2435.2	2547.2	2587.3	2494.9	2411.5	2345.0	2282.5	2279.8
45°	2505.8	2512.6	2553.3	2620.5	2701.3	2710.8	2641.5	2595.4	2528.2	2469.8	2465.1
47.5°	2712.8	2719.6	2747.4	2782.0	2801.0	2767.1	2754.9	2734.5	2647.7	2575.7	2560.8
50°	2870.3	2875.7	2910.3	2923.9	2871.0	2799.0	2822.8	2779.3	2685.0	2604.2	2581.1
52.5°	2859.4	2873.0	2961.9	3039.3	3006.0	2947.6	2883.9	2790.2	2643.6	2533.0	2504.4
55°	2461.7	2480.0	2670.7	2925.3	3152.6	3177.7	2922.5	2620.5	2345.0	2182.7	2153.6
57.5°	1582.1	1586.8	1819.6	2176.6	2689.1	2850.6	2423.7	1975.7	1633.0	1454.5	1442.3
60°	581.7	572.2	747.9	1043.9	1548.8	1719.9	1426.7	999.1	712.6	586.4	576.2
62.5°	139.8	141.2	175.1	262.7	486.0	601.3	475.1	265.4	169.0	141.9	140.5
65°	70.6	69.2	69.9	75.3	103.8	124.2	101.8	71.9	69.2	69.9	69.2
67.5°	45.5	44.8	46.2	46.8	46.2	43.4	42.8	44.1	44.1	44.8	43.4
70°	27.8	27.1	28.5	30.5	29.2	25.8	27.1	28.5	27.1	26.5	26.5
72.5°	14.9	14.9	16.3	17.6	16.3	14.9	14.9	15.6	14.9	14.9	14.9
75°	6.8	6.8	7.5	8.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8
77.5°	2.0	2.0	2.7	2.7	2.0	2.0	2.0	2.0	2.7	2.7	2.7
80°	0.7	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4
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)