

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: P632296

Luminaire Tested: GWS-SA2C-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632296  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

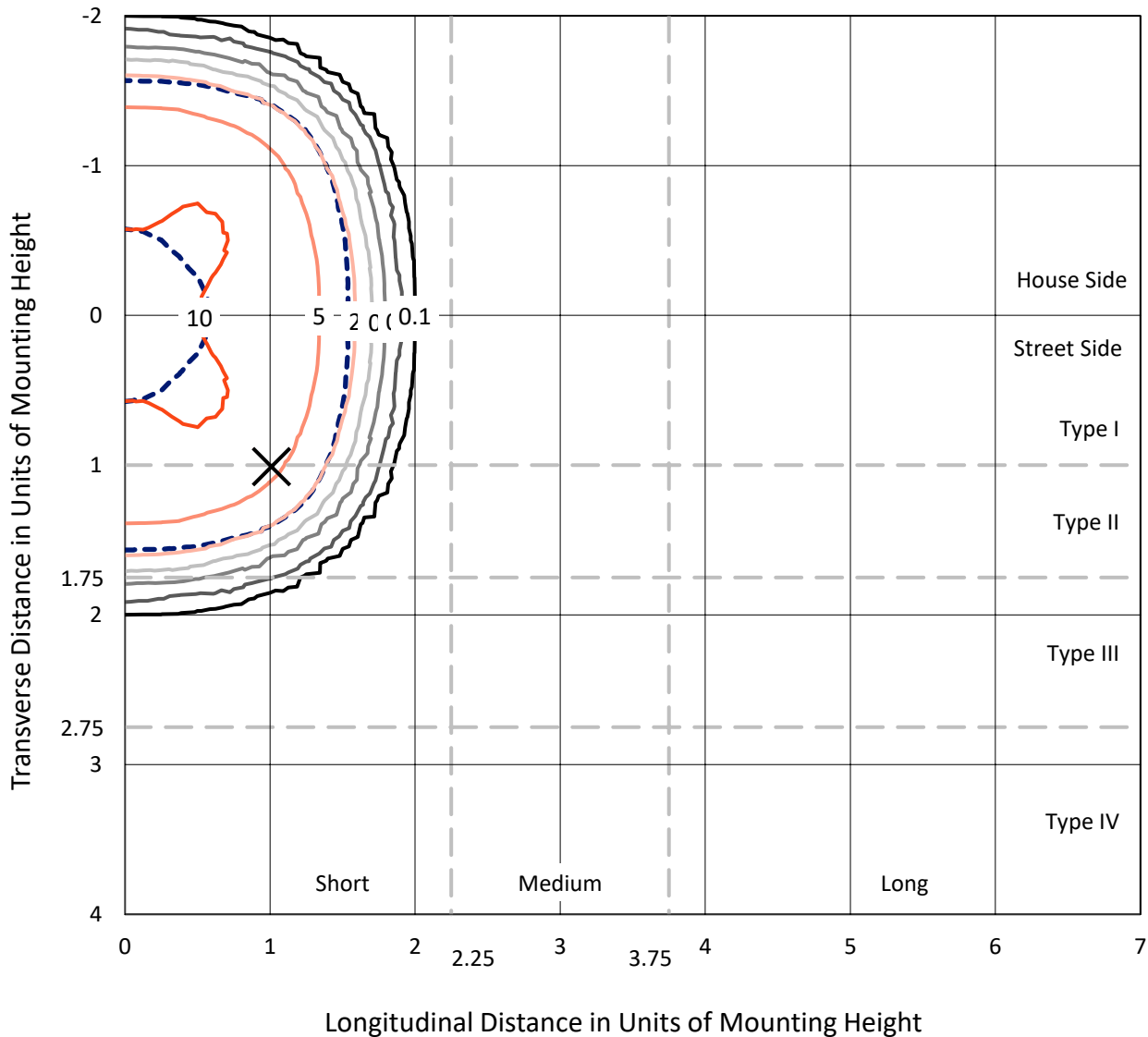
Lumens per Lamp: N/A  
Luminaire Lumens: 6512.8 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

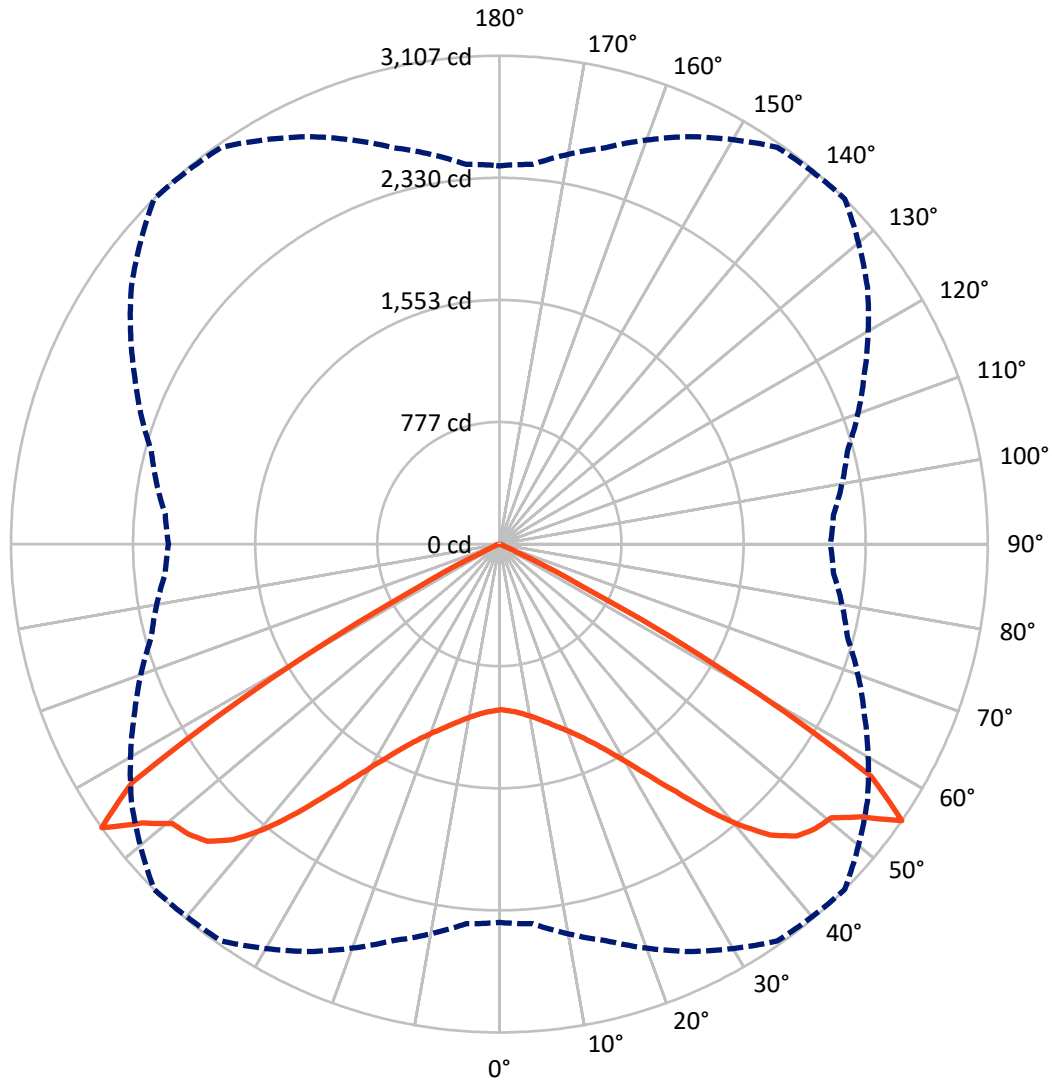
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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
<b>House Side</b>	Lumens	3256.4	0.0	3256.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3256.4	0.0	3256.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6512.8	0.0	6512.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.2	1.6
10°-20°	334.4	5.1
20°-30°	647.7	9.9
30°-40°	1160.3	17.8
40°-50°	1945.4	29.9
50°-60°	2082.4	32.0
60°-70°	228.8	3.5
70°-80°	10.1	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°	6512.8	100.0
0°-180°	6512.8	100.0

**Coefficient of Utilization**



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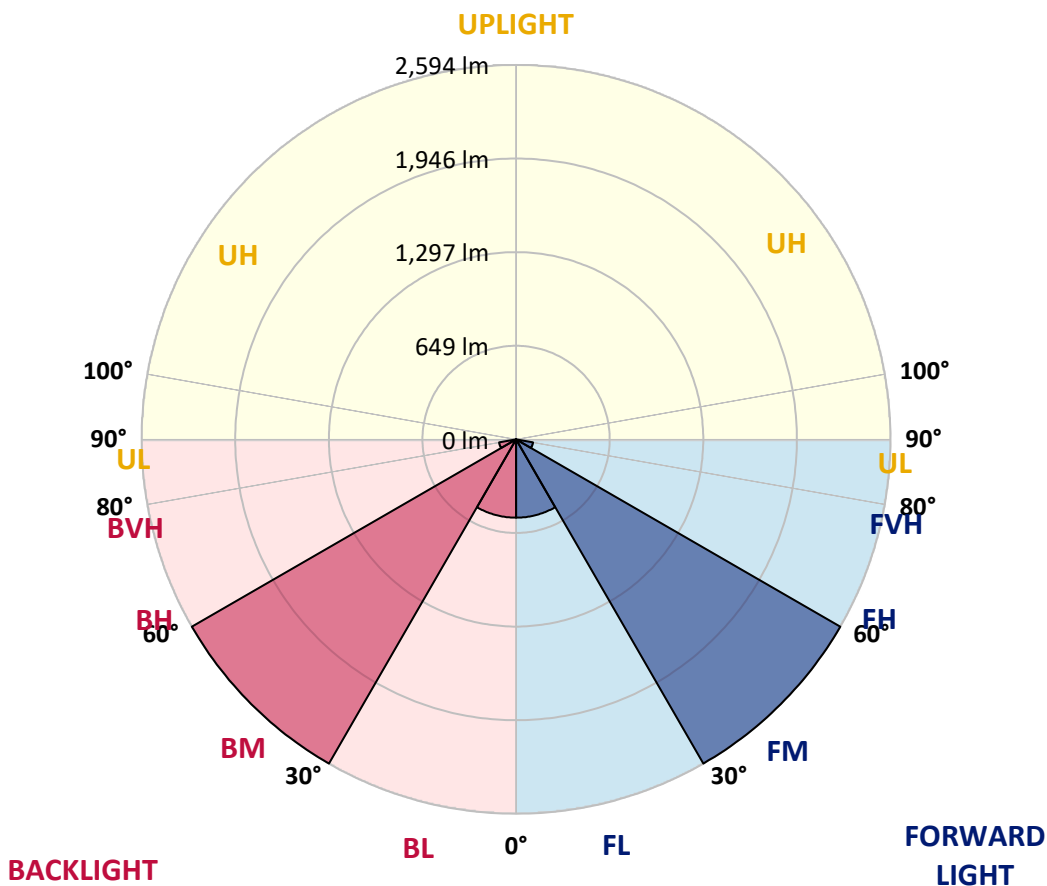
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.6	8.3			
FM (30°-60°)	2594.1	39.8			
FH (60°-80°)	119.5	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	542.6	8.3	B2/1000		
BM (30°-60°)	2594.1	39.8	B3/5000		
BH (60°-80°)	119.5	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°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1051.0	1051.0	1053.7	1055.6	1055.6	1061.0	1059.0	1057.0	1057.0	1054.3	1059.6
5°	1066.3	1065.6	1068.3	1069.6	1066.9	1072.2	1068.9	1066.9	1065.6	1062.9	1068.3
7.5°	1082.9	1083.5	1084.2	1086.8	1085.5	1090.8	1088.2	1084.2	1082.9	1078.9	1084.2
10°	1102.8	1102.8	1104.1	1107.4	1108.1	1114.7	1112.0	1107.4	1103.4	1099.4	1104.7
12.5°	1128.0	1128.6	1130.6	1135.3	1137.9	1145.2	1141.2	1132.0	1126.0	1121.3	1127.3
15°	1164.5	1163.8	1166.5	1173.1	1176.4	1181.7	1175.7	1163.1	1155.8	1150.5	1154.5
17.5°	1204.3	1204.3	1205.6	1212.2	1216.9	1224.8	1217.5	1202.3	1195.6	1188.4	1192.3
20°	1248.1	1250.1	1251.4	1256.0	1264.0	1272.0	1266.0	1250.7	1243.4	1234.1	1238.8
22.5°	1305.8	1303.8	1304.5	1312.4	1323.7	1331.7	1327.0	1309.1	1296.5	1289.2	1291.9
25°	1370.2	1369.5	1371.5	1383.4	1396.0	1404.7	1398.0	1374.8	1362.2	1349.6	1354.9
27.5°	1449.1	1449.8	1451.1	1465.7	1485.6	1498.2	1481.6	1458.4	1441.1	1424.6	1428.5
30°	1542.7	1541.3	1545.3	1565.2	1594.4	1614.3	1595.1	1562.6	1538.0	1522.1	1524.1
32.5°	1642.2	1643.5	1654.1	1686.0	1724.5	1759.6	1720.5	1677.4	1645.5	1615.7	1619.6
35°	1749.7	1753.0	1776.9	1824.0	1887.0	1934.1	1879.7	1808.7	1763.6	1725.1	1726.5
37.5°	1876.4	1884.4	1917.6	1987.9	2078.1	2141.2	2061.5	1967.3	1908.9	1861.2	1857.8
40°	2043.0	2052.2	2097.4	2181.0	2290.4	2348.2	2255.9	2159.1	2086.7	2035.0	2027.0
42.5°	2234.0	2246.0	2295.1	2380.7	2490.2	2529.3	2439.1	2357.5	2292.4	2231.4	2228.7
45°	2449.7	2456.3	2496.1	2561.8	2640.8	2650.1	2582.4	2537.3	2471.6	2414.5	2409.9
47.5°	2652.1	2658.7	2685.9	2719.7	2738.3	2705.1	2693.2	2673.3	2588.4	2518.0	2503.4
50°	2806.0	2811.3	2845.1	2858.4	2806.7	2736.3	2759.5	2717.1	2624.9	2545.9	2523.3
52.5°	2795.4	2808.6	2895.6	2971.2	2938.7	2881.6	2819.3	2727.7	2584.4	2476.2	2448.4
55°	2406.6	2424.5	2610.9	2859.7	3082.0	3106.6	2857.1	2561.8	2292.4	2133.9	2105.3
57.5°	1546.6	1551.3	1778.9	2127.9	2628.8	2786.8	2369.4	1931.5	1596.4	1421.9	1410.0
60°	568.6	559.3	731.2	1020.5	1514.1	1681.3	1394.7	976.7	696.7	573.3	563.3
62.5°	136.7	138.0	171.2	256.8	475.1	587.9	464.5	259.4	165.2	138.7	137.3
65°	69.0	67.7	68.3	73.6	101.5	121.4	99.5	70.3	67.7	68.3	67.7
67.5°	44.5	43.8	45.1	45.8	45.1	42.5	41.8	43.1	43.1	43.8	42.5
70°	27.2	26.5	27.9	29.9	28.5	25.2	26.5	27.9	26.5	25.9	25.9
72.5°	14.6	14.6	15.9	17.3	15.9	14.6	14.6	15.3	14.6	14.6	14.6
75°	6.6	6.6	7.3	8.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6
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	1.3	1.3	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
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)