

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: P637029

Luminaire Tested: GWS-SA4C-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637029  
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-SA4C-722-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

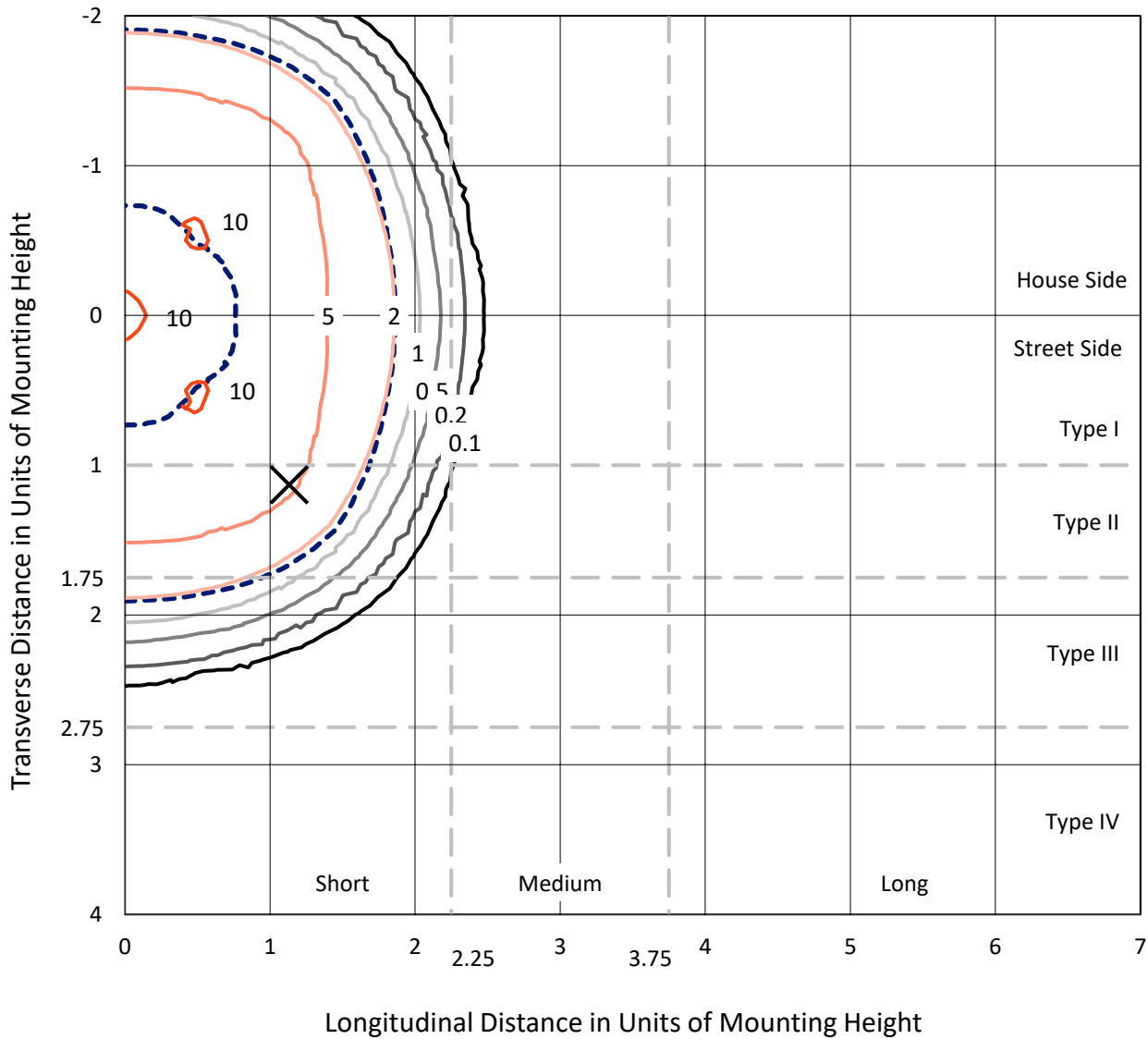
Lumens per Lamp: N/A  
Luminaire Lumens: 7524.7 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 128.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

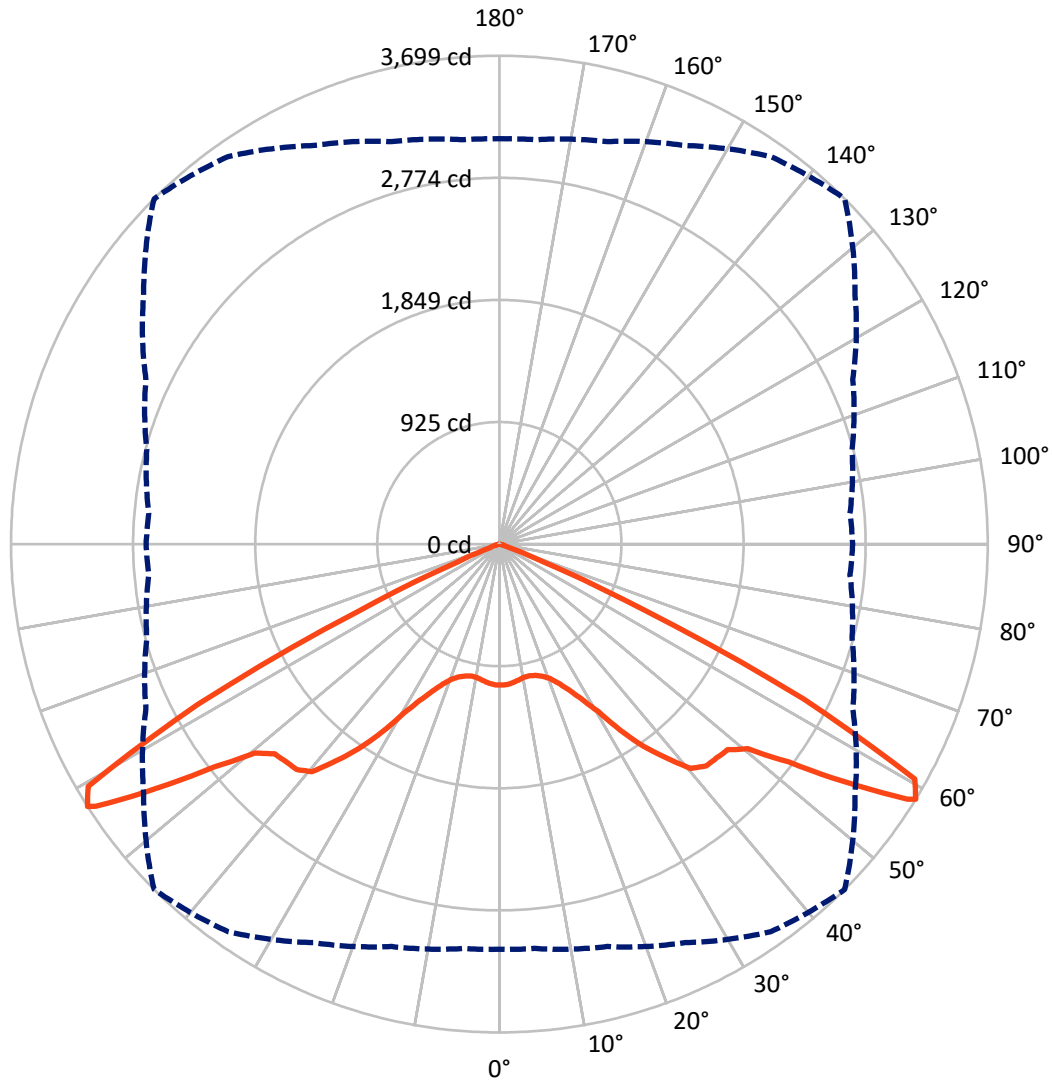
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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
<b>House Side</b>	Lumens	3762.3	0.0	3762.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3762.3	0.0	3762.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7524.7	0.0	7524.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.6	1.3
10°-20°	294.6	3.9
20°-30°	557.2	7.4
30°-40°	1098.9	14.6
40°-50°	1738.9	23.1
50°-60°	2556.1	34.0
60°-70°	1140.9	15.2
70°-80°	38.2	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°	7524.7	100.0
0°-180°	7524.7	100.0

**Coefficient of Utilization**



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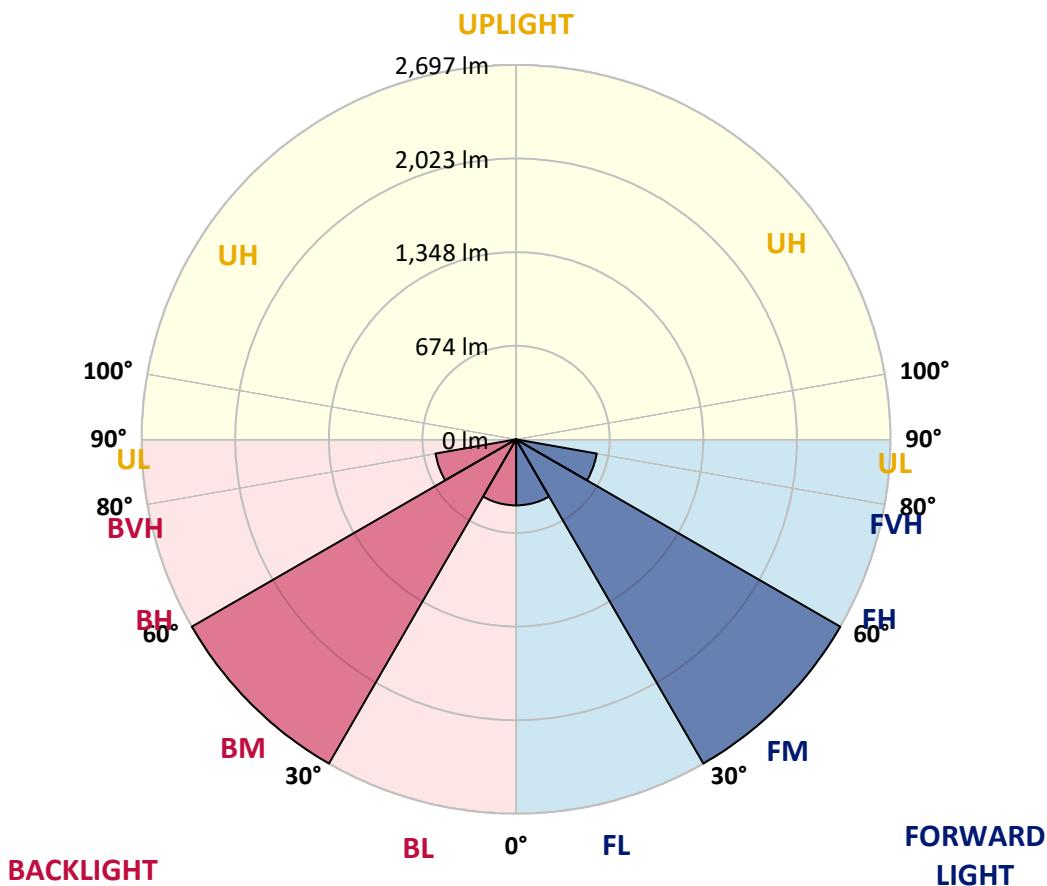
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.7	6.3			
FM (30°-60°)	2696.9	35.8			
FH (60°-80°)	589.6	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	475.7	6.3	B1/500		
BM (30°-60°)	2696.9	35.8	B3/5000		
BH (60°-80°)	589.6	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°	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1	1067.1
2.5°	1056.9	1058.9	1061.0	1062.0	1063.0	1066.1	1067.1	1064.0	1064.0	1057.9	1065.1
5°	1051.7	1053.8	1055.8	1054.8	1054.8	1054.8	1053.8	1049.7	1048.7	1042.5	1049.7
7.5°	1042.5	1044.6	1044.6	1041.5	1039.4	1039.4	1038.4	1033.3	1032.3	1026.1	1033.3
10°	1035.3	1036.4	1035.3	1029.2	1025.1	1025.1	1024.0	1022.0	1023.0	1018.9	1025.1
12.5°	1039.4	1040.5	1036.4	1028.1	1023.0	1022.0	1018.9	1015.8	1018.9	1017.9	1024.0
15°	1052.8	1053.8	1046.6	1036.4	1032.3	1032.3	1024.0	1015.8	1019.9	1021.0	1028.1
17.5°	1069.2	1069.2	1059.9	1050.7	1051.7	1051.7	1038.4	1024.0	1025.1	1029.2	1036.4
20°	1088.6	1088.6	1079.4	1077.4	1084.5	1085.6	1069.2	1046.6	1041.5	1044.6	1052.8
22.5°	1123.5	1123.5	1116.3	1121.4	1137.8	1143.0	1118.4	1086.6	1074.3	1076.3	1084.5
25°	1177.8	1177.8	1175.8	1188.1	1211.6	1222.9	1190.1	1148.1	1127.6	1124.5	1133.7
27.5°	1269.0	1270.1	1267.0	1285.4	1315.2	1328.5	1283.4	1228.0	1203.4	1198.3	1207.5
30°	1386.9	1386.9	1388.0	1413.6	1452.5	1470.0	1410.5	1345.9	1317.2	1300.8	1313.1
32.5°	1518.1	1520.2	1530.4	1573.5	1642.2	1678.0	1590.9	1500.7	1454.6	1437.2	1450.5
35°	1734.4	1714.9	1702.6	1734.4	1833.9	1881.0	1769.3	1663.7	1628.8	1626.8	1660.6
37.5°	1948.7	1937.4	1911.8	1944.6	2033.7	2055.3	1932.3	1844.1	1819.5	1832.8	1866.7
40°	2118.8	2098.3	2064.5	2095.3	2212.1	2233.6	2081.9	1994.8	1985.6	2015.3	2061.4
42.5°	2253.1	2224.4	2179.3	2186.5	2280.8	2296.2	2161.9	2096.3	2102.4	2139.3	2191.6
45°	2313.6	2291.0	2251.1	2248.0	2307.4	2308.5	2202.9	2169.1	2185.5	2214.2	2255.2
47.5°	2339.2	2329.0	2306.4	2301.3	2335.1	2326.9	2261.3	2247.0	2262.3	2270.5	2294.1
50°	2402.8	2402.8	2405.9	2410.0	2444.8	2436.6	2390.5	2374.1	2354.6	2325.9	2333.1
52.5°	2581.1	2588.3	2618.0	2650.8	2714.4	2741.0	2666.2	2570.9	2477.6	2415.1	2415.1
55°	2903.0	2910.2	2945.0	3000.4	3117.3	3180.8	3006.5	2796.4	2668.3	2583.2	2594.5
57.5°	3080.3	3088.5	3160.3	3310.0	3536.5	3644.1	3270.0	2958.4	2779.0	2681.6	2689.8
58°	3069.1	3074.2	3155.2	3330.5	3582.6	3698.5	3288.4	2953.2	2764.6	2665.2	2675.4
60°	2726.7	2719.5	2848.7	3098.8	3454.5	3614.4	3105.0	2695.9	2476.6	2375.1	2380.2
62.5°	1782.6	1786.7	1898.4	2159.8	2436.6	2587.3	2169.1	1864.6	1688.3	1626.8	1611.4
65°	744.2	730.9	799.6	945.1	1111.2	1195.2	1027.1	869.3	760.6	719.6	730.9
67.5°	191.7	186.6	190.7	238.8	292.1	345.5	290.1	221.4	192.7	194.8	194.8
70°	108.7	102.5	83.0	76.9	74.8	74.8	74.8	74.8	86.1	101.5	104.6
72.5°	82.0	76.9	60.5	52.3	46.1	43.1	45.1	52.3	62.5	75.9	77.9
75°	41.0	41.0	36.9	34.9	30.8	28.7	29.7	32.8	37.9	43.1	42.0
77.5°	8.2	9.2	10.3	12.3	10.3	10.3	10.3	12.3	12.3	13.3	12.3
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)