

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: P637524

Luminaire Tested: GWS-SA4D-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P637524  
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-SA4D-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: 9492.8 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 - G1  
  
Input Watts (W): 162.1  
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

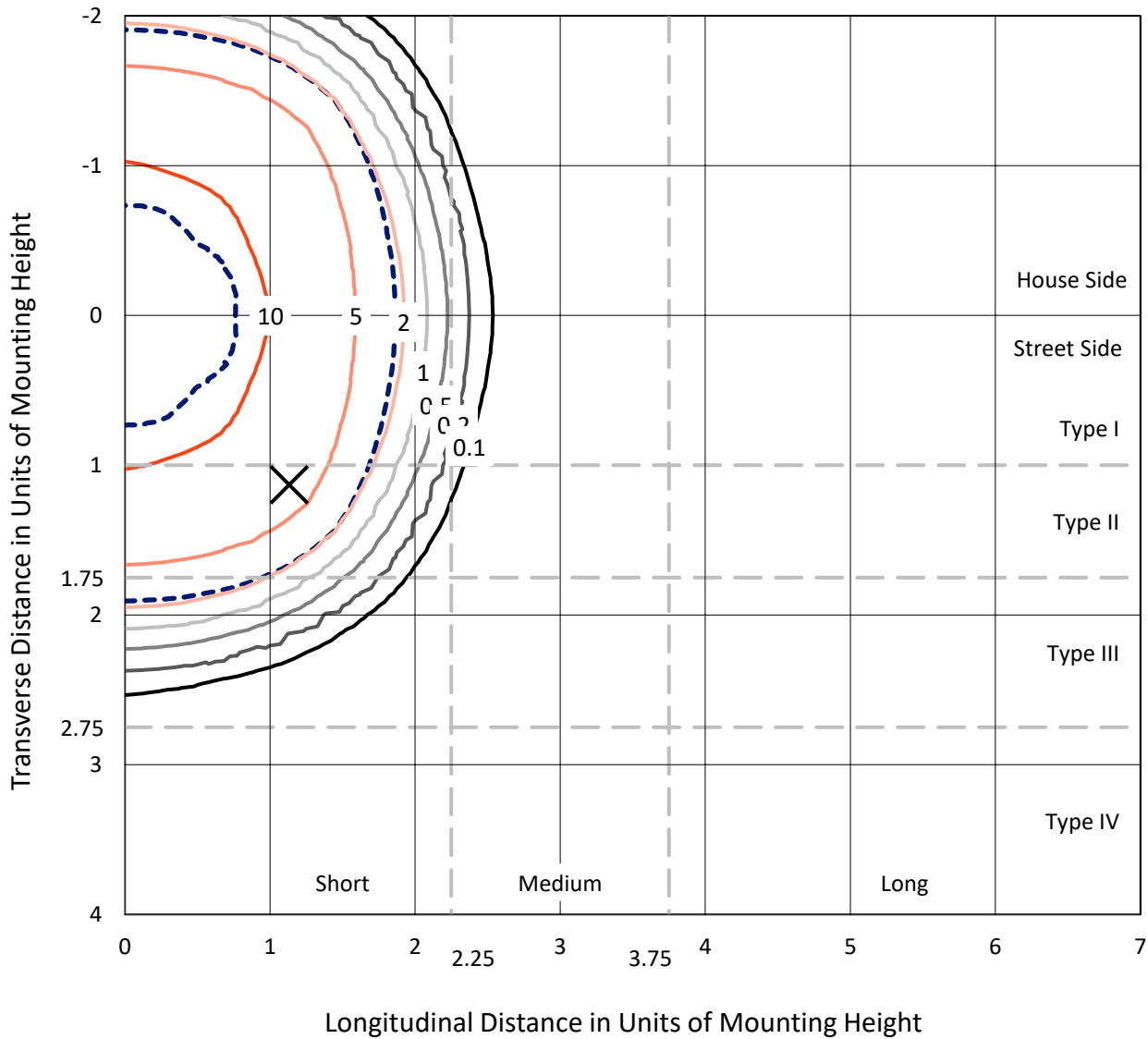


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### Iso-Footcandle Lines of Horizontal Illumination

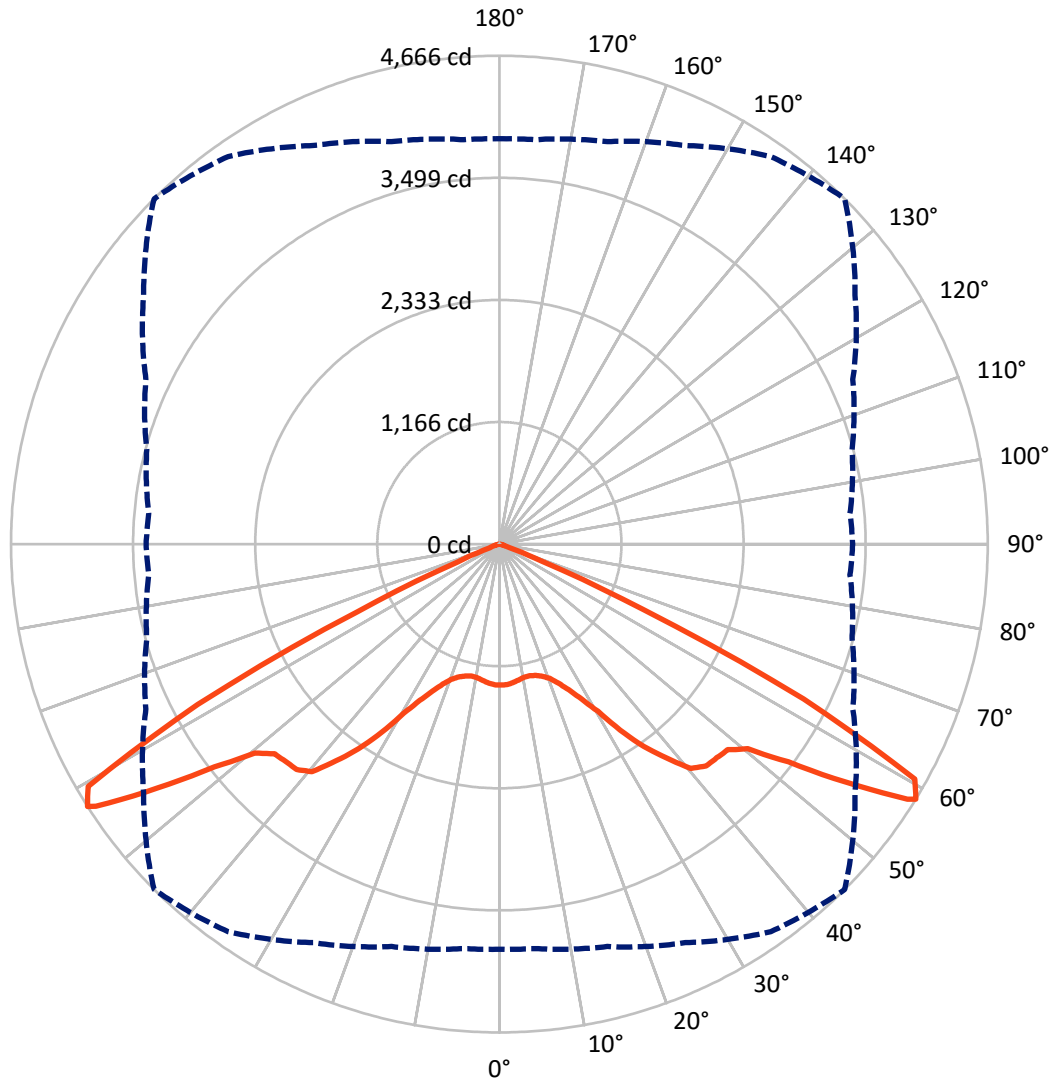
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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	4746.4	0.0	4746.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4746.4	0.0	4746.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9492.8	0.0	9492.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.6	1.3
10°-20°	371.6	3.9
20°-30°	702.9	7.4
30°-40°	1386.3	14.6
40°-50°	2193.7	23.1
50°-60°	3224.7	34.0
60°-70°	1439.4	15.2
70°-80°	48.2	0.5
80°-90°	0.4	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°	9492.8	100.0
0°-180°	9492.8	100.0

**Coefficient of Utilization**



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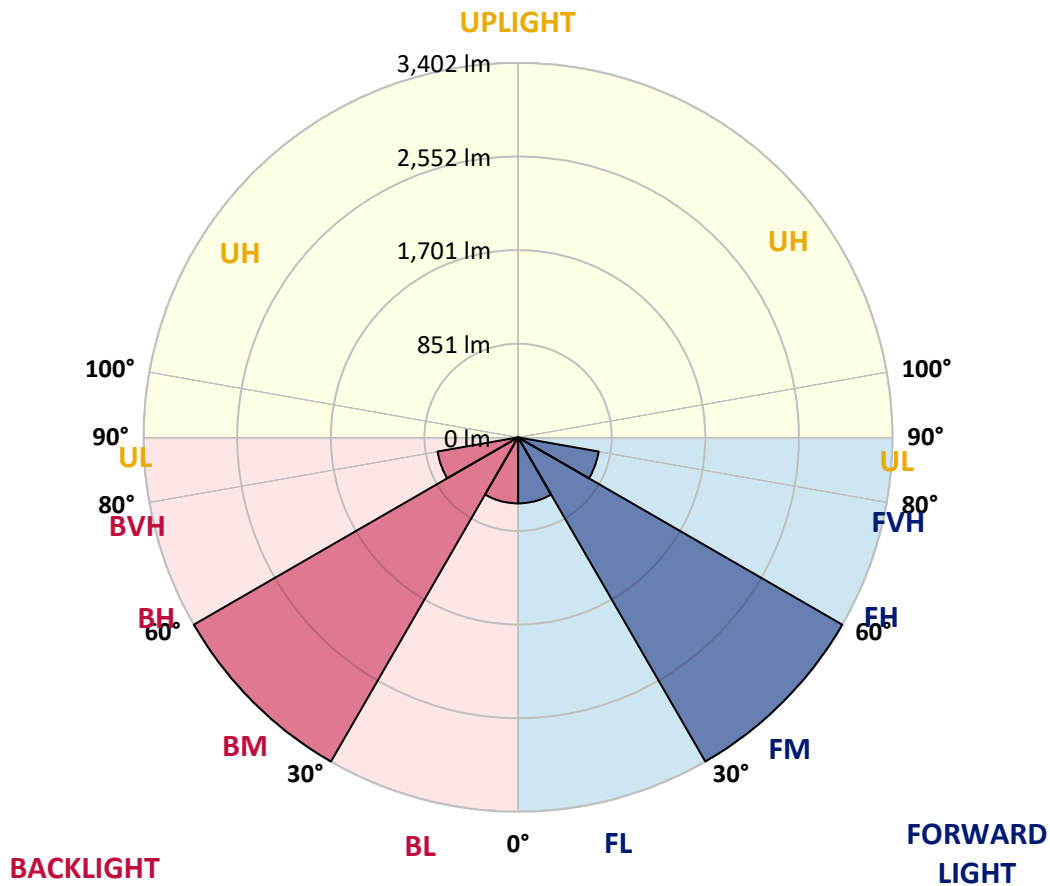
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.1	6.3			
FM (30°-60°)	3402.3	35.8			
FH (60°-80°)	743.8	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	600.1	6.3	B2/1000		
BM (30°-60°)	3402.3	35.8	B3/5000		
BH (60°-80°)	743.8	7.8	B2/1000		G1/1800
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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2	1346.2
2.5°	1333.3	1335.9	1338.4	1339.7	1341.0	1344.9	1346.2	1342.3	1342.3	1334.6	1343.6
5°	1326.8	1329.4	1332.0	1330.7	1330.7	1330.7	1329.4	1324.2	1322.9	1315.2	1324.2
7.5°	1315.2	1317.8	1317.8	1313.9	1311.3	1311.3	1310.0	1303.5	1302.2	1294.5	1303.5
10°	1306.1	1307.4	1306.1	1298.4	1293.2	1293.2	1291.9	1289.3	1290.6	1285.4	1293.2
12.5°	1311.3	1312.6	1307.4	1297.1	1290.6	1289.3	1285.4	1281.5	1285.4	1284.1	1291.9
15°	1328.1	1329.4	1320.3	1307.4	1302.2	1302.2	1291.9	1281.5	1286.7	1288.0	1297.1
17.5°	1348.8	1348.8	1337.2	1325.5	1326.8	1326.8	1310.0	1291.9	1293.2	1298.4	1307.4
20°	1373.4	1373.4	1361.7	1359.1	1368.2	1369.5	1348.8	1320.3	1313.9	1317.8	1328.1
22.5°	1417.3	1417.3	1408.3	1414.7	1435.4	1441.9	1410.9	1370.8	1355.3	1357.8	1368.2
25°	1485.9	1485.9	1483.3	1498.8	1528.5	1542.8	1501.4	1448.4	1422.5	1418.6	1430.3
27.5°	1601.0	1602.3	1598.4	1621.7	1659.2	1676.0	1619.1	1549.2	1518.2	1511.7	1523.4
30°	1749.7	1749.7	1751.0	1783.3	1832.4	1854.4	1779.4	1698.0	1661.7	1641.1	1656.6
32.5°	1915.2	1917.8	1930.7	1985.0	2071.7	2116.9	2007.0	1893.2	1835.0	1813.0	1829.9
35°	2188.1	2163.5	2148.0	2188.1	2313.5	2373.0	2232.0	2098.8	2054.9	2052.3	2095.0
37.5°	2458.3	2444.1	2411.8	2453.2	2565.7	2592.8	2437.7	2326.4	2295.4	2312.2	2354.9
40°	2673.0	2647.1	2604.5	2643.3	2790.7	2817.8	2626.5	2516.5	2504.9	2542.4	2600.6
42.5°	2842.4	2806.2	2749.3	2758.4	2877.3	2896.7	2727.3	2644.6	2652.3	2698.9	2764.8
45°	2918.7	2890.3	2839.8	2836.0	2911.0	2912.3	2779.1	2736.4	2757.1	2793.3	2845.0
47.5°	2951.0	2938.1	2909.7	2903.2	2945.9	2935.5	2852.8	2834.7	2854.1	2864.4	2894.1
50°	3031.2	3031.2	3035.1	3040.3	3084.2	3073.9	3015.7	2995.0	2970.4	2934.2	2943.3
52.5°	3256.2	3265.3	3302.8	3344.2	3424.4	3458.0	3363.6	3243.3	3125.6	3046.7	3046.7
55°	3662.3	3671.4	3715.3	3785.2	3932.6	4012.8	3792.9	3527.8	3366.2	3258.8	3273.1
57.5°	3886.0	3896.4	3986.9	4175.7	4461.5	4597.3	4125.3	3732.1	3505.8	3383.0	3393.3
58°	3871.8	3878.3	3980.4	4201.6	4519.7	4665.8	4148.5	3725.7	3487.7	3362.3	3375.2
60°	3439.9	3430.8	3593.8	3909.3	4358.0	4559.8	3917.1	3401.1	3124.3	2996.3	3002.8
62.5°	2248.8	2254.0	2395.0	2724.7	3073.9	3264.0	2736.4	2352.3	2129.9	2052.3	2032.9
65°	938.9	922.0	1008.7	1192.3	1401.8	1507.9	1295.8	1096.6	959.5	907.8	922.0
67.5°	241.8	235.4	240.5	301.3	368.6	435.8	366.0	279.3	243.1	245.7	245.7
70°	137.1	129.3	104.7	97.0	94.4	94.4	94.4	94.4	108.6	128.0	131.9
72.5°	103.5	97.0	76.3	66.0	58.2	54.3	56.9	66.0	78.9	95.7	98.3
75°	51.7	51.7	46.6	44.0	38.8	36.2	37.5	41.4	47.8	54.3	53.0
77.5°	10.3	11.6	12.9	15.5	12.9	12.9	12.9	15.5	15.5	16.8	15.5
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
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)