

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: P632733

Luminaire Tested: GWS-SA2D-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632733  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7036.2 lumens  
Efficiency: N/A  
Efficacy: 85.7 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): 82.1  
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

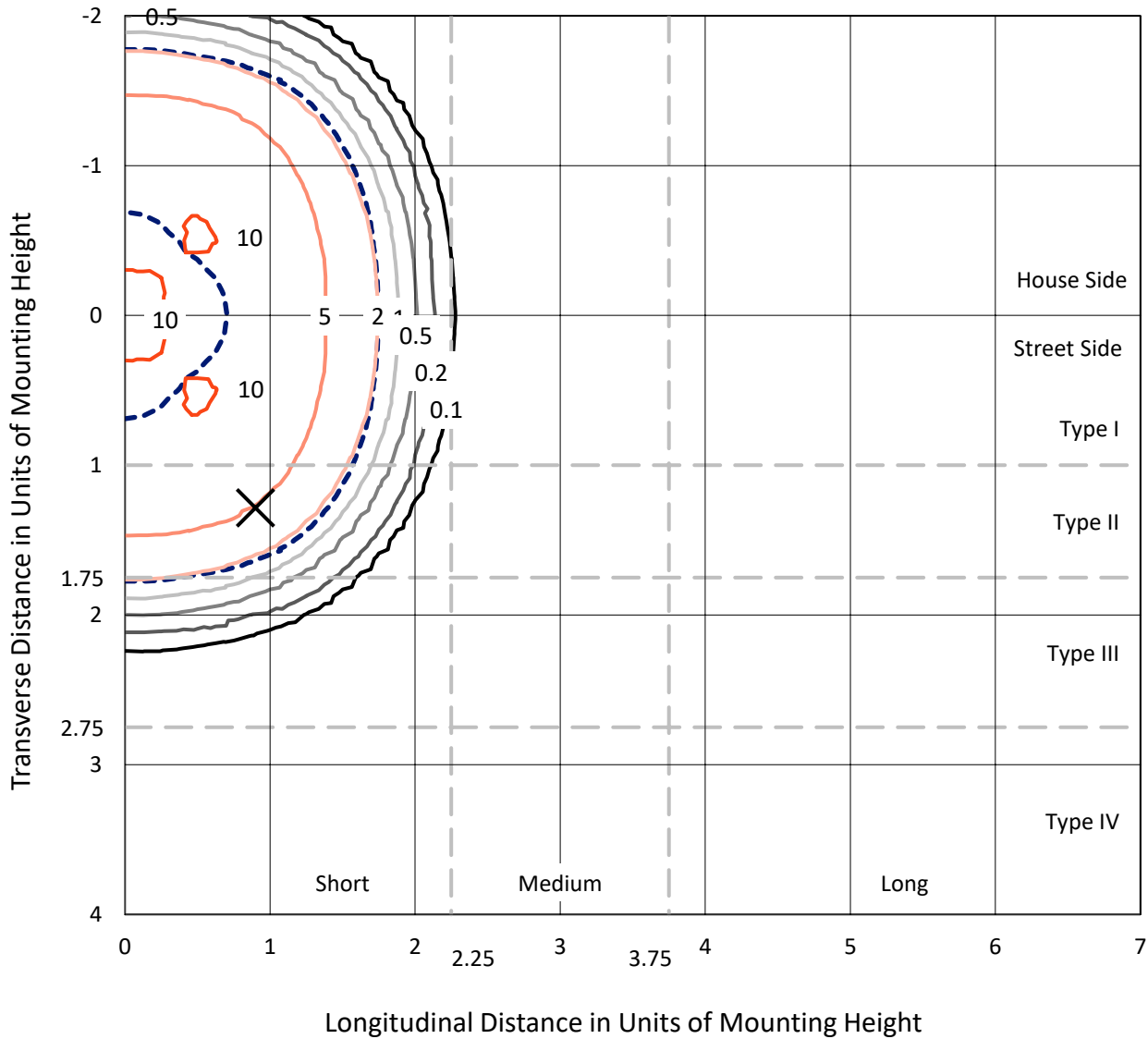


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### Iso-Footcandle Lines of Horizontal Illumination

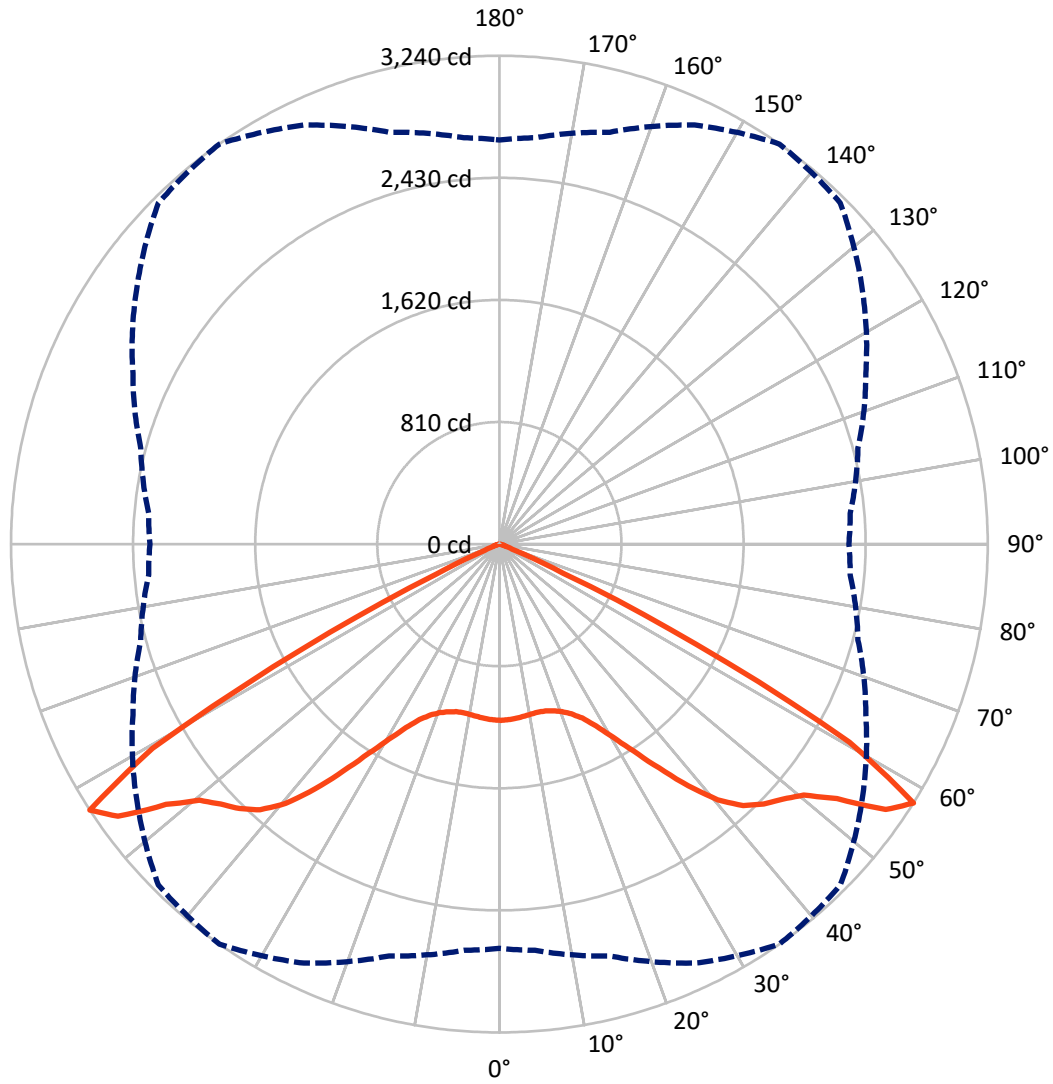
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3518.1	0.0	3518.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3518.1	0.0	3518.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7036.2	0.0	7036.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	1.6
10°-20°	324.2	4.6
20°-30°	586.0	8.3
30°-40°	1093.3	15.5
40°-50°	1834.0	26.1
50°-60°	2422.0	34.4
60°-70°	643.2	9.1
70°-80°	22.8	0.3
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°	7036.2	100.0
0°-180°	7036.2	100.0

**Coefficient of Utilization**



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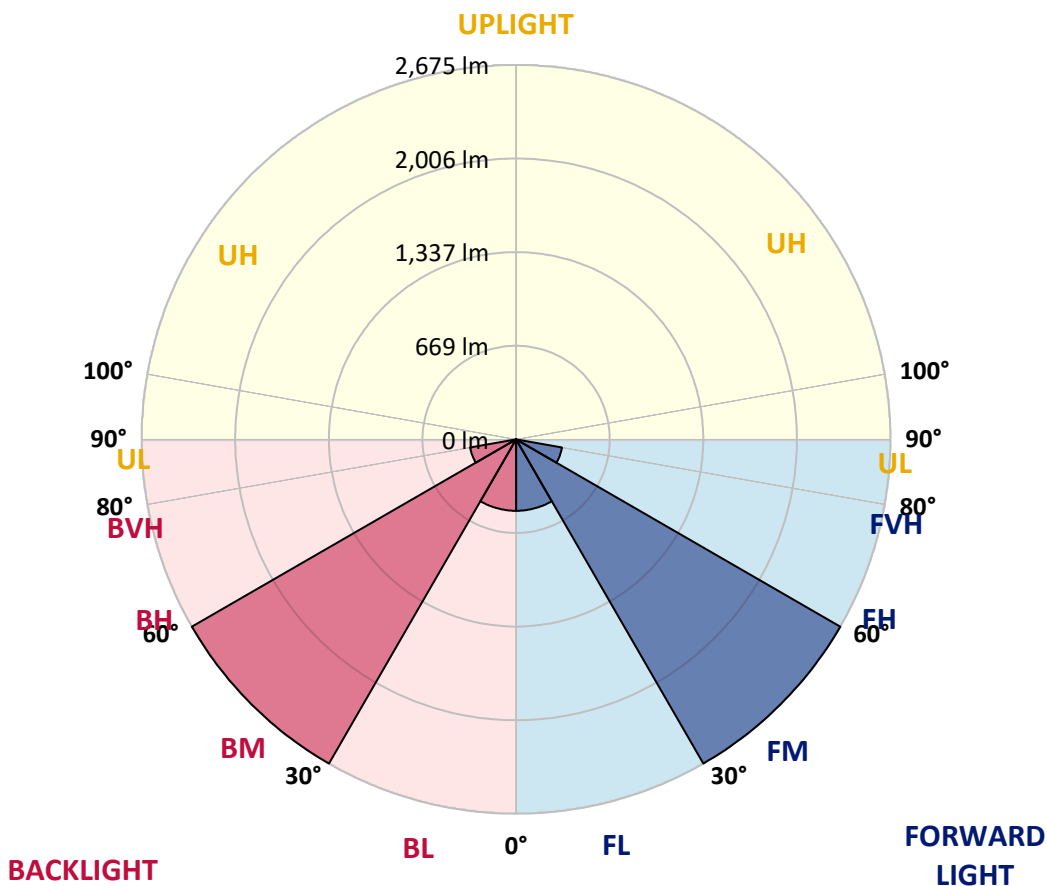
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.2	7.3			
FM (30°-60°)	2674.6	38.0			
FH (60°-80°)	333.0	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	510.2	7.3	B2/1000		
BM (30°-60°)	2674.6	38.0	B3/5000		
BH (60°-80°)	333.0	4.7	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°	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8	1169.8
2.5°	1161.6	1160.8	1164.1	1166.5	1166.5	1172.3	1170.7	1169.0	1167.4	1164.9	1170.7
5°	1159.9	1159.1	1161.6	1163.2	1161.6	1166.5	1163.2	1159.9	1158.3	1155.0	1161.6
7.5°	1152.5	1153.3	1155.0	1156.6	1154.1	1158.3	1154.1	1149.2	1145.1	1141.8	1147.5
10°	1140.9	1141.8	1143.4	1146.7	1147.5	1153.3	1147.5	1138.5	1132.7	1127.7	1133.5
12.5°	1135.2	1136.0	1138.5	1142.6	1143.4	1150.8	1143.4	1130.2	1121.9	1116.2	1121.9
15°	1136.8	1138.5	1141.8	1146.7	1148.4	1155.8	1145.9	1128.6	1117.0	1109.6	1114.5
17.5°	1142.6	1144.2	1149.2	1157.4	1163.2	1170.7	1158.3	1136.0	1120.3	1109.6	1114.5
20°	1150.0	1152.5	1160.8	1174.0	1186.3	1199.6	1183.9	1153.3	1132.7	1119.5	1123.6
22.5°	1170.7	1173.1	1184.7	1202.0	1222.7	1239.2	1220.2	1181.4	1153.3	1136.0	1140.1
25°	1212.8	1215.2	1230.1	1252.4	1278.8	1300.3	1276.3	1227.6	1191.3	1171.5	1173.1
27.5°	1278.8	1281.3	1298.6	1330.0	1365.5	1396.0	1361.4	1304.4	1263.1	1240.0	1240.0
30°	1362.2	1365.5	1388.6	1430.7	1486.0	1526.5	1479.4	1410.1	1357.2	1325.9	1326.7
32.5°	1469.5	1466.2	1499.2	1557.0	1635.5	1689.1	1619.8	1535.6	1470.3	1426.6	1430.7
35°	1607.4	1606.6	1643.7	1722.1	1824.5	1888.9	1806.3	1697.4	1618.9	1574.4	1575.2
37.5°	1784.9	1784.1	1827.0	1912.0	2035.0	2088.7	1996.2	1885.6	1801.4	1758.5	1763.4
40°	1992.9	1988.0	2025.9	2107.7	2230.7	2265.4	2164.6	2075.5	1994.6	1967.3	1980.5
42.5°	2191.1	2180.3	2202.6	2276.9	2371.9	2376.8	2300.9	2239.8	2184.5	2163.0	2171.2
45°	2350.4	2342.1	2362.8	2405.7	2460.2	2435.4	2399.1	2380.1	2335.5	2312.4	2319.8
47.5°	2469.3	2469.3	2494.0	2520.5	2528.7	2483.3	2489.1	2489.1	2444.5	2408.2	2399.1
50°	2571.6	2579.1	2616.2	2643.5	2616.2	2558.4	2591.5	2584.9	2494.0	2421.4	2402.4
52.5°	2735.1	2742.5	2799.5	2836.7	2806.1	2749.1	2753.3	2670.7	2537.0	2451.1	2421.4
55°	2908.5	2926.6	3009.2	3108.3	3109.1	3050.5	2941.5	2795.4	2632.7	2539.5	2508.9
57.5°	2681.4	2706.2	2829.2	3067.8	3240.4	3199.9	2939.9	2683.1	2463.5	2336.4	2319.0
60°	1845.1	1888.1	2011.1	2337.2	2669.9	2685.6	2378.5	2090.3	1838.5	1681.7	1685.0
62.5°	779.3	823.1	892.4	1160.8	1466.2	1485.2	1336.6	1130.2	924.6	811.5	828.9
65°	183.3	195.7	216.3	321.1	465.6	487.1	449.1	350.0	258.4	218.8	222.9
67.5°	80.1	81.7	77.6	82.6	102.4	104.8	101.5	89.2	84.2	85.9	85.9
70°	56.1	57.0	53.7	51.2	48.7	45.4	47.1	52.0	56.1	59.4	58.6
72.5°	34.7	35.5	36.3	36.3	33.8	30.5	32.2	35.5	36.3	37.2	36.3
75°	17.3	18.2	19.8	20.6	19.8	19.0	19.0	19.8	19.8	19.0	19.0
77.5°	3.3	4.1	5.8	6.6	6.6	6.6	6.6	6.6	7.4	6.6	6.6
80°	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)