

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: P633234

Luminaire Tested: GWS-SA2E-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633234  
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-SA2E-735-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

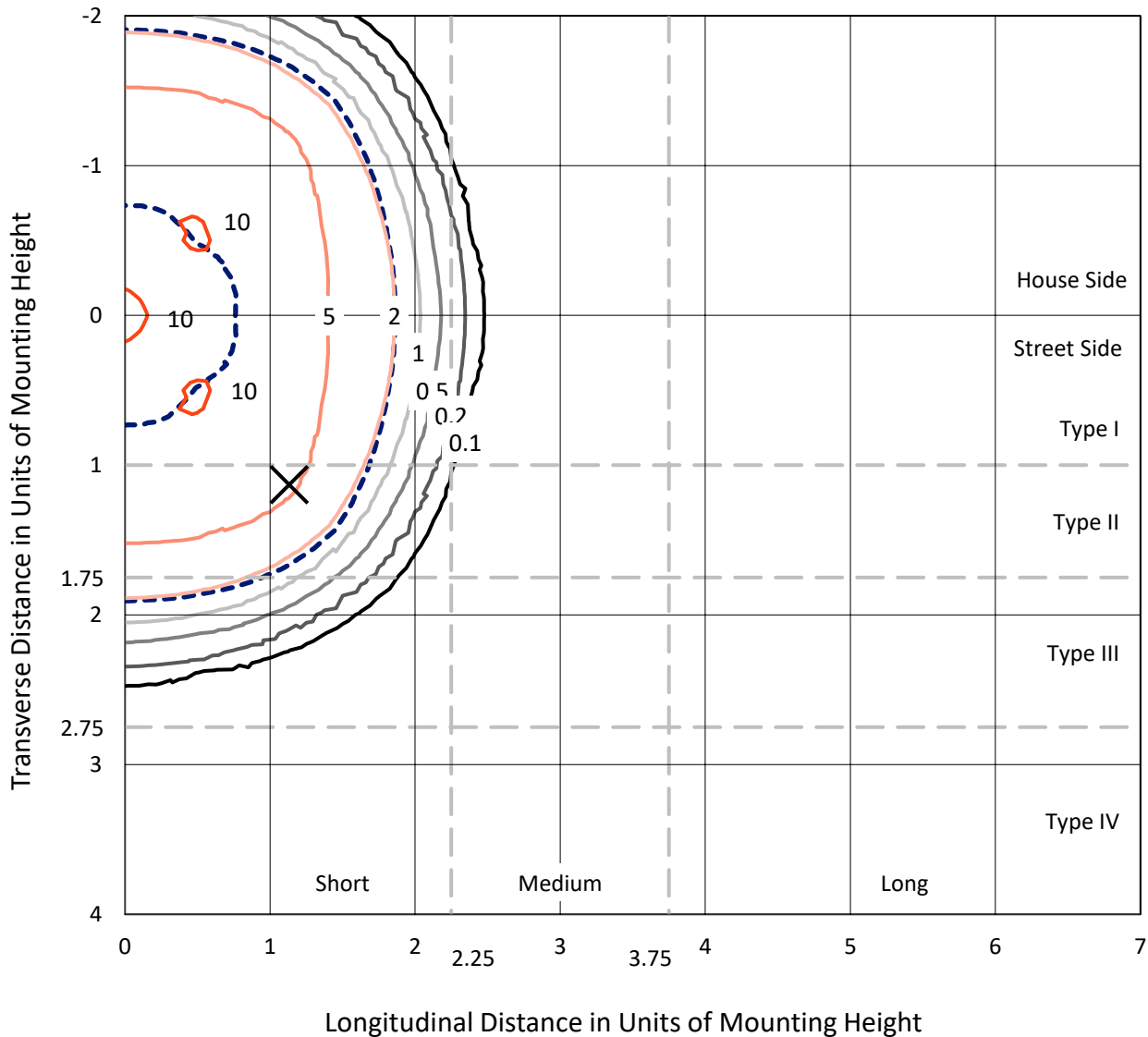
Lumens per Lamp: N/A  
Luminaire Lumens: 7573.4 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

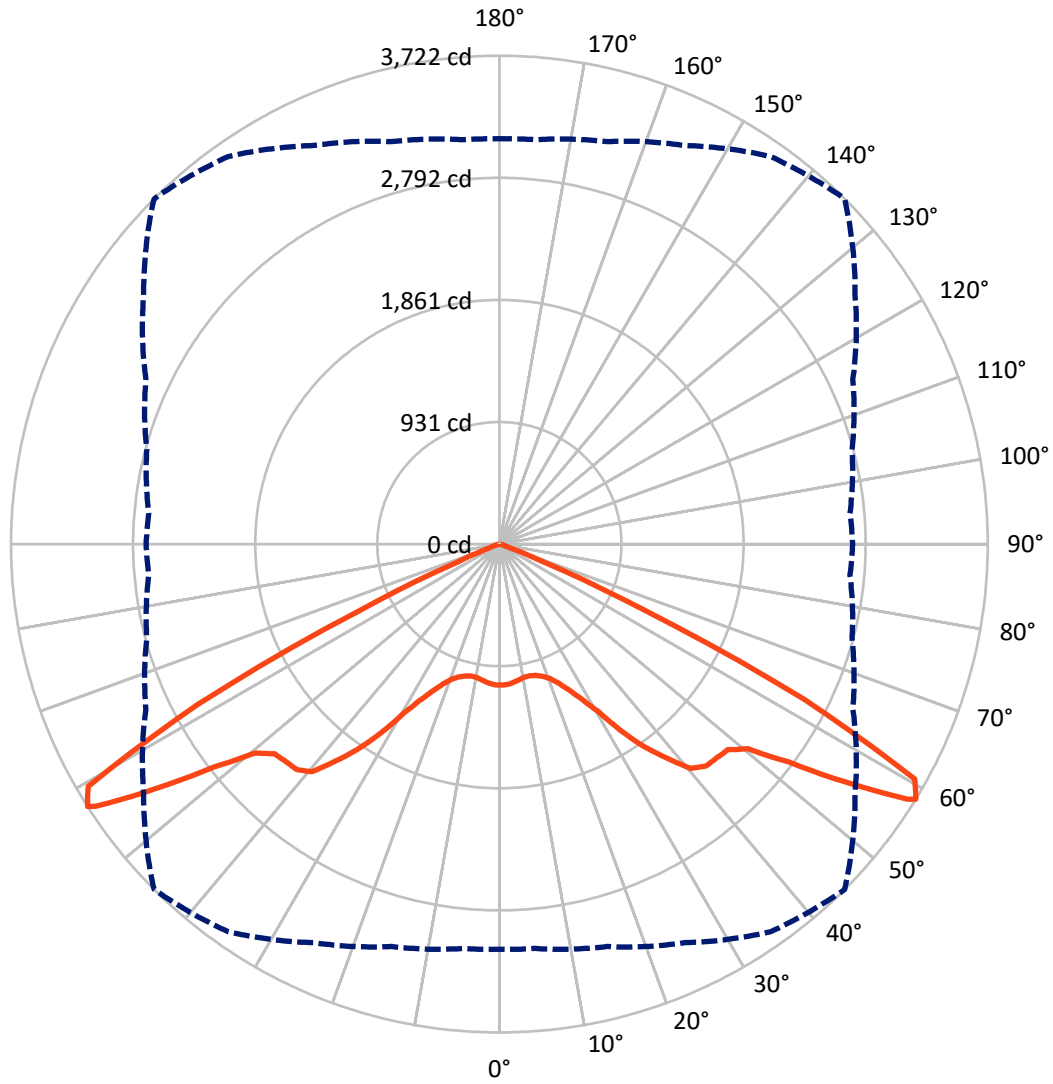
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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	3786.7	0.0	3786.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3786.7	0.0	3786.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7573.4	0.0	7573.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.2	1.3
10°-20°	296.5	3.9
20°-30°	560.8	7.4
30°-40°	1106.0	14.6
40°-50°	1750.2	23.1
50°-60°	2572.7	34.0
60°-70°	1148.3	15.2
70°-80°	38.5	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°	7573.4	100.0
0°-180°	7573.4	100.0

**Coefficient of Utilization**



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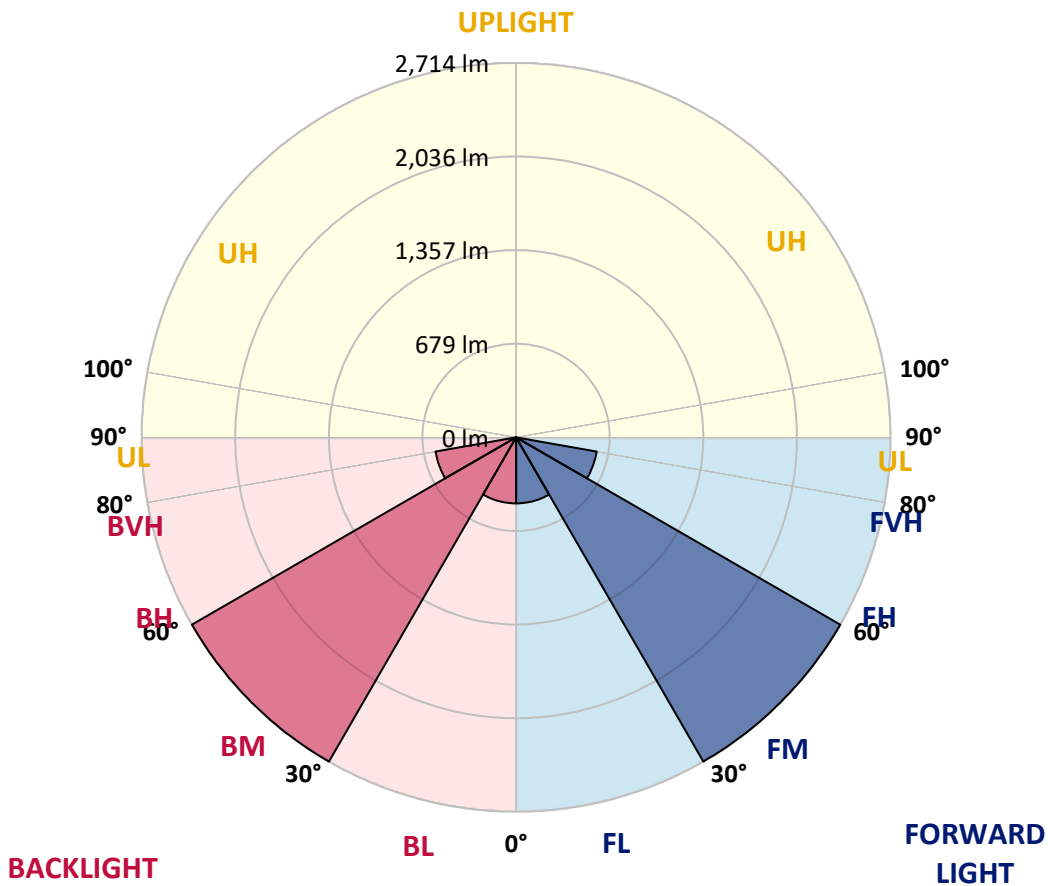
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.7	6.3			
FM (30°-60°)	2714.4	35.8			
FH (60°-80°)	593.4	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	478.7	6.3	B1/500		
BM (30°-60°)	2714.4	35.8	B3/5000		
BH (60°-80°)	593.4	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°	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0	1074.0
2.5°	1063.7	1065.8	1067.8	1068.9	1069.9	1073.0	1074.0	1070.9	1070.9	1064.7	1071.9
5°	1058.5	1060.6	1062.7	1061.6	1061.6	1061.6	1060.6	1056.5	1055.4	1049.2	1056.5
7.5°	1049.2	1051.3	1051.3	1048.2	1046.2	1046.2	1045.1	1040.0	1038.9	1032.7	1040.0
10°	1042.0	1043.1	1042.0	1035.8	1031.7	1031.7	1030.7	1028.6	1029.6	1025.5	1031.7
12.5°	1046.2	1047.2	1043.1	1034.8	1029.6	1028.6	1025.5	1022.4	1025.5	1024.5	1030.7
15°	1059.6	1060.6	1053.4	1043.1	1038.9	1038.9	1030.7	1022.4	1026.6	1027.6	1034.8
17.5°	1076.1	1076.1	1066.8	1057.5	1058.5	1058.5	1045.1	1030.7	1031.7	1035.8	1043.1
20°	1095.7	1095.7	1086.4	1084.3	1091.5	1092.6	1076.1	1053.4	1048.2	1051.3	1059.6
22.5°	1130.8	1130.8	1123.5	1128.7	1145.2	1150.4	1125.6	1093.6	1081.2	1083.3	1091.5
25°	1185.4	1185.4	1183.4	1195.8	1219.5	1230.8	1197.8	1155.5	1134.9	1131.8	1141.1
27.5°	1277.3	1278.3	1275.2	1293.8	1323.7	1337.1	1291.7	1236.0	1211.2	1206.1	1215.4
30°	1395.9	1395.9	1396.9	1422.7	1461.9	1479.5	1419.6	1354.6	1325.7	1309.2	1321.6
32.5°	1528.0	1530.0	1540.3	1583.7	1652.8	1688.9	1601.2	1510.4	1464.0	1446.5	1459.9
35°	1745.7	1726.0	1713.7	1745.7	1845.7	1893.2	1780.7	1674.5	1639.4	1637.3	1671.4
37.5°	1961.3	1949.9	1924.1	1957.2	2046.9	2068.6	1944.8	1856.0	1831.3	1844.7	1878.7
40°	2132.5	2111.9	2077.9	2108.8	2226.4	2248.1	2095.4	2007.7	1998.4	2028.3	2074.8
42.5°	2267.7	2238.8	2193.4	2200.6	2295.6	2311.0	2175.9	2109.8	2116.0	2153.2	2205.8
45°	2328.6	2305.9	2265.6	2262.5	2322.4	2323.4	2217.1	2183.1	2199.6	2228.5	2269.8
47.5°	2354.4	2344.0	2321.3	2316.2	2350.2	2342.0	2275.9	2261.5	2277.0	2285.2	2309.0
50°	2418.3	2418.3	2421.4	2425.5	2460.6	2452.4	2405.9	2389.4	2369.8	2340.9	2348.2
52.5°	2597.8	2605.1	2635.0	2668.0	2732.0	2758.8	2683.5	2587.5	2493.6	2430.7	2430.7
55°	2921.8	2929.0	2964.1	3019.8	3137.4	3201.4	3026.0	2814.5	2685.5	2599.9	2611.3
57.5°	3100.3	3108.5	3180.8	3331.4	3559.4	3667.7	3291.2	2977.5	2797.0	2699.0	2707.2
58°	3088.9	3094.1	3175.6	3352.0	3605.8	3722.4	3309.7	2972.4	2782.5	2682.4	2692.8
60°	2744.3	2737.1	2867.1	3118.9	3476.9	3637.8	3125.0	2713.4	2492.6	2390.5	2395.6
62.5°	1794.1	1798.3	1910.7	2173.8	2452.4	2604.0	2183.1	1876.7	1699.2	1637.3	1621.8
65°	749.0	735.6	804.7	951.2	1118.4	1203.0	1033.8	874.9	765.5	724.3	735.6
67.5°	192.9	187.8	191.9	240.4	294.0	347.7	292.0	222.8	194.0	196.0	196.0
70°	109.4	103.2	83.6	77.4	75.3	75.3	75.3	75.3	86.7	102.1	105.2
72.5°	82.5	77.4	60.9	52.6	46.4	43.3	45.4	52.6	62.9	76.3	78.4
75°	41.3	41.3	37.1	35.1	31.0	28.9	29.9	33.0	38.2	43.3	42.3
77.5°	8.3	9.3	10.3	12.4	10.3	10.3	10.3	12.4	12.4	13.4	12.4
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)