

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: P632898

Luminaire Tested: GWS-SA2D-760-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632898  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

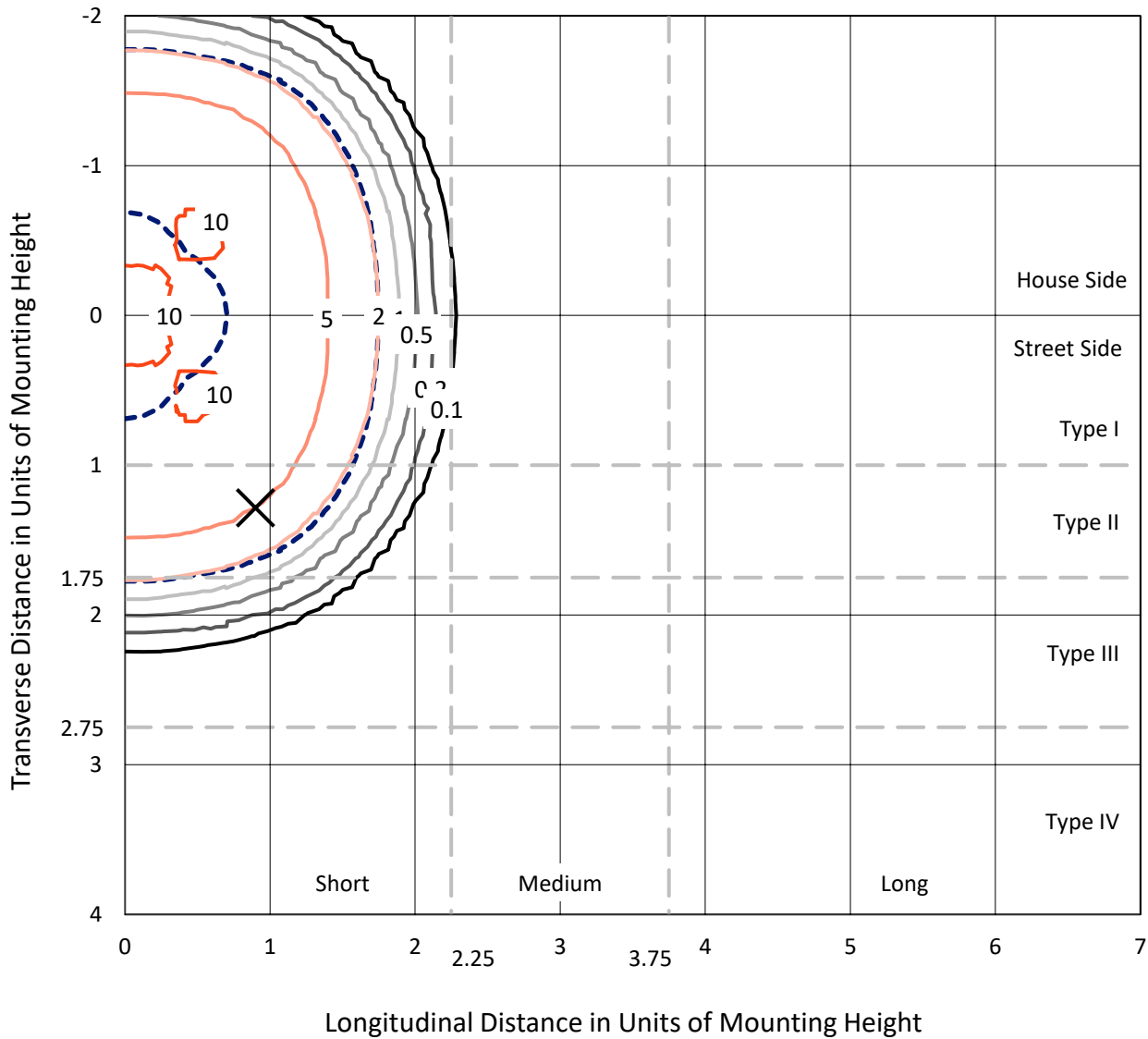
Lumens per Lamp: N/A  
Luminaire Lumens: 7197.4 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

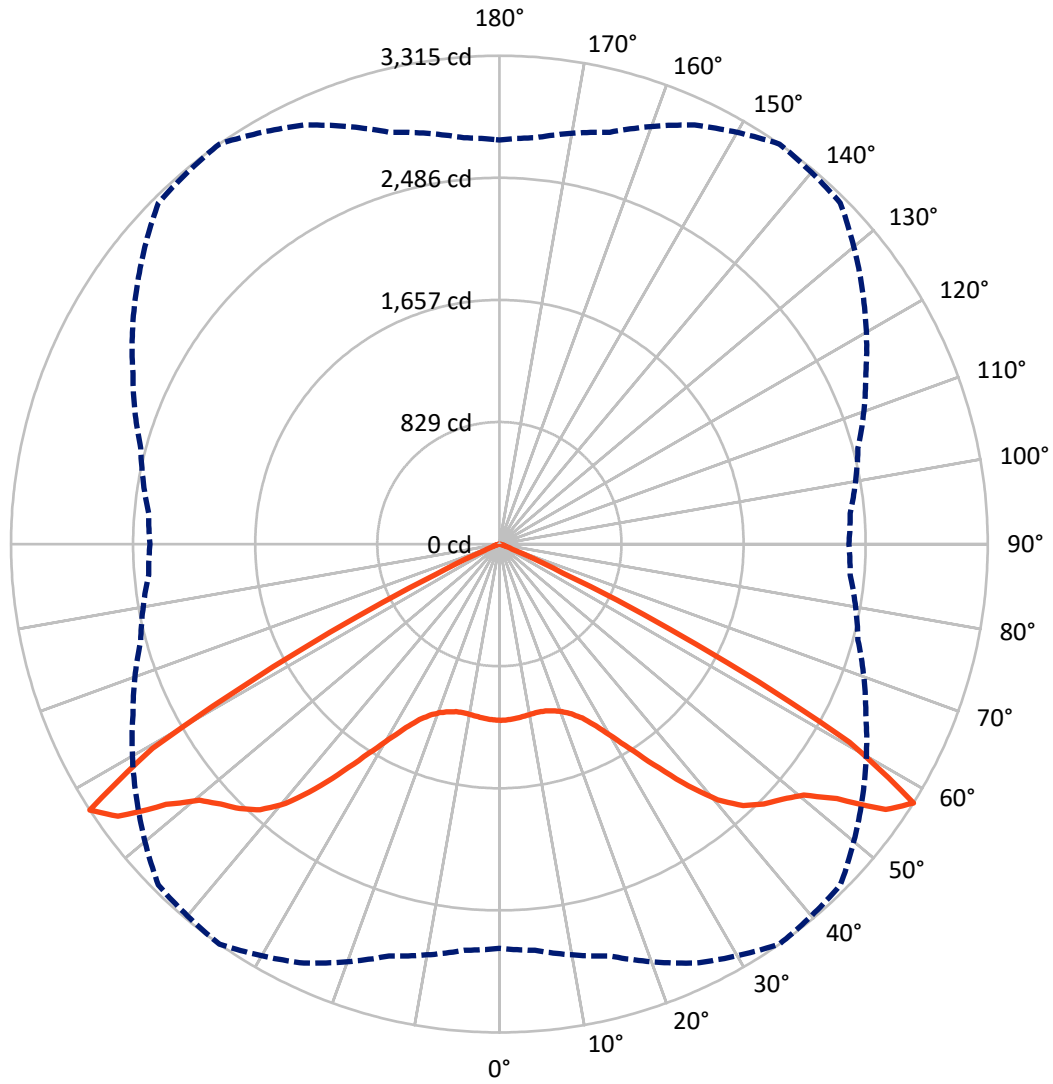
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 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	3598.7	0.0	3598.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3598.7	0.0	3598.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7197.4	0.0	7197.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.7	1.6
10°-20°	331.6	4.6
20°-30°	599.5	8.3
30°-40°	1118.3	15.5
40°-50°	1876.0	26.1
50°-60°	2477.5	34.4
60°-70°	658.0	9.1
70°-80°	23.4	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°	7197.4	100.0
0°-180°	7197.4	100.0

**Coefficient of Utilization**



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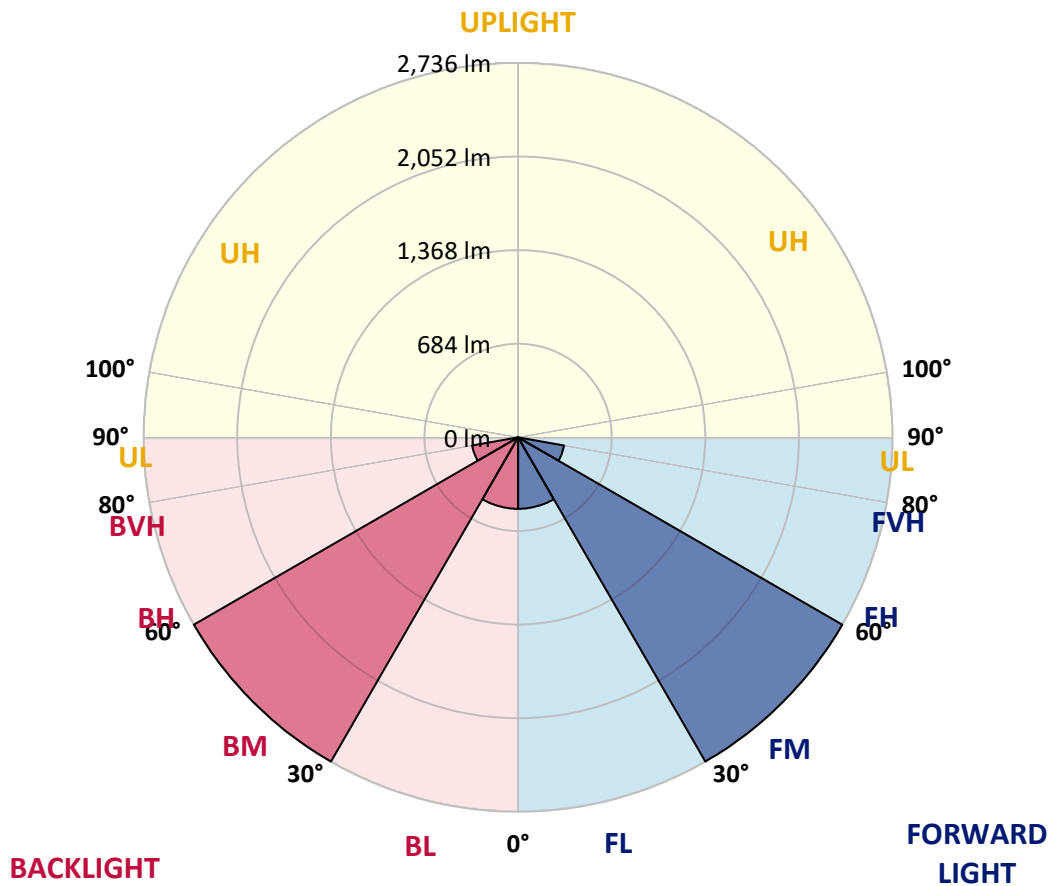
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	521.9	7.3			
FM (30°-60°)	2735.9	38.0			
FH (60°-80°)	340.7	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	521.9	7.3	B2/1000		
BM (30°-60°)	2735.9	38.0	B3/5000		
BH (60°-80°)	340.7	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°	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6
2.5°	1188.2	1187.3	1190.7	1193.3	1193.3	1199.2	1197.5	1195.8	1194.1	1191.6	1197.5
5°	1186.5	1185.7	1188.2	1189.9	1188.2	1193.3	1189.9	1186.5	1184.8	1181.4	1188.2
7.5°	1178.9	1179.7	1181.4	1183.1	1180.6	1184.8	1180.6	1175.5	1171.3	1167.9	1173.8
10°	1167.1	1167.9	1169.6	1173.0	1173.8	1179.7	1173.8	1164.5	1158.6	1153.6	1159.5
12.5°	1161.2	1162.0	1164.5	1168.8	1169.6	1177.2	1169.6	1156.1	1147.7	1141.7	1147.7
15°	1162.9	1164.5	1167.9	1173.0	1174.7	1182.3	1172.1	1154.4	1142.6	1135.0	1140.1
17.5°	1168.8	1170.5	1175.5	1184.0	1189.9	1197.5	1184.8	1162.0	1146.0	1135.0	1140.1
20°	1176.4	1178.9	1187.3	1200.9	1213.5	1227.0	1211.0	1179.7	1158.6	1145.1	1149.3
22.5°	1197.5	1200.0	1211.8	1229.6	1250.7	1267.6	1248.1	1208.5	1179.7	1162.0	1166.2
25°	1240.5	1243.1	1258.3	1281.1	1308.1	1330.1	1305.6	1255.7	1218.6	1198.3	1200.0
27.5°	1308.1	1310.6	1328.4	1360.5	1396.8	1428.0	1392.6	1334.3	1292.1	1268.4	1268.4
30°	1393.4	1396.8	1420.4	1463.5	1520.1	1561.4	1513.3	1442.4	1388.3	1356.2	1357.1
32.5°	1503.2	1499.8	1533.6	1592.7	1672.9	1727.8	1656.9	1570.7	1504.0	1459.3	1463.5
35°	1644.2	1643.4	1681.4	1761.6	1866.3	1932.2	1847.7	1736.3	1656.0	1610.4	1611.3
37.5°	1825.8	1824.9	1868.8	1955.8	2081.7	2136.5	2042.0	1928.8	1842.7	1798.7	1803.8
40°	2038.6	2033.5	2072.4	2156.0	2281.8	2317.3	2214.2	2123.0	2040.3	2012.4	2025.9
42.5°	2241.3	2230.3	2253.1	2329.1	2426.2	2431.3	2353.6	2291.1	2234.5	2212.5	2221.0
45°	2404.2	2395.8	2416.9	2460.8	2516.6	2491.2	2454.1	2434.6	2389.0	2365.4	2373.0
47.5°	2525.8	2525.8	2551.2	2578.2	2586.7	2540.2	2546.1	2546.1	2500.5	2463.4	2454.1
50°	2630.6	2638.2	2676.2	2704.0	2676.2	2617.1	2650.8	2644.1	2551.2	2476.9	2457.4
52.5°	2797.8	2805.4	2863.6	2901.6	2870.4	2812.1	2816.4	2731.9	2595.1	2507.3	2476.9
55°	2975.1	2993.7	3078.1	3179.5	3180.3	3120.4	3008.9	2859.4	2693.1	2597.6	2566.4
57.5°	2742.9	2768.2	2894.0	3138.1	3314.6	3273.2	3007.2	2744.6	2519.9	2389.9	2372.2
60°	1887.4	1931.3	2057.2	2390.7	2731.1	2747.1	2433.0	2138.2	1880.7	1720.2	1723.6
62.5°	797.2	841.9	912.9	1187.3	1499.8	1519.2	1367.2	1156.1	945.8	830.1	847.9
65°	187.5	200.1	221.3	328.5	476.3	498.2	459.4	358.1	264.3	223.8	228.0
67.5°	81.9	83.6	79.4	84.4	104.7	107.2	103.9	91.2	86.1	87.8	87.8
70°	57.4	58.3	54.9	52.4	49.8	46.4	48.1	53.2	57.4	60.8	60.0
72.5°	35.5	36.3	37.2	37.2	34.6	31.2	32.9	36.3	37.2	38.0	37.2
75°	17.7	18.6	20.3	21.1	20.3	19.4	19.4	20.3	20.3	19.4	19.4
77.5°	3.4	4.2	5.9	6.8	6.8	6.8	6.8	6.8	7.6	6.8	6.8
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)