

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: P632299

Luminaire Tested: GWS-SA2C-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632299  
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-SA2C-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4870.6 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 63.2  
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

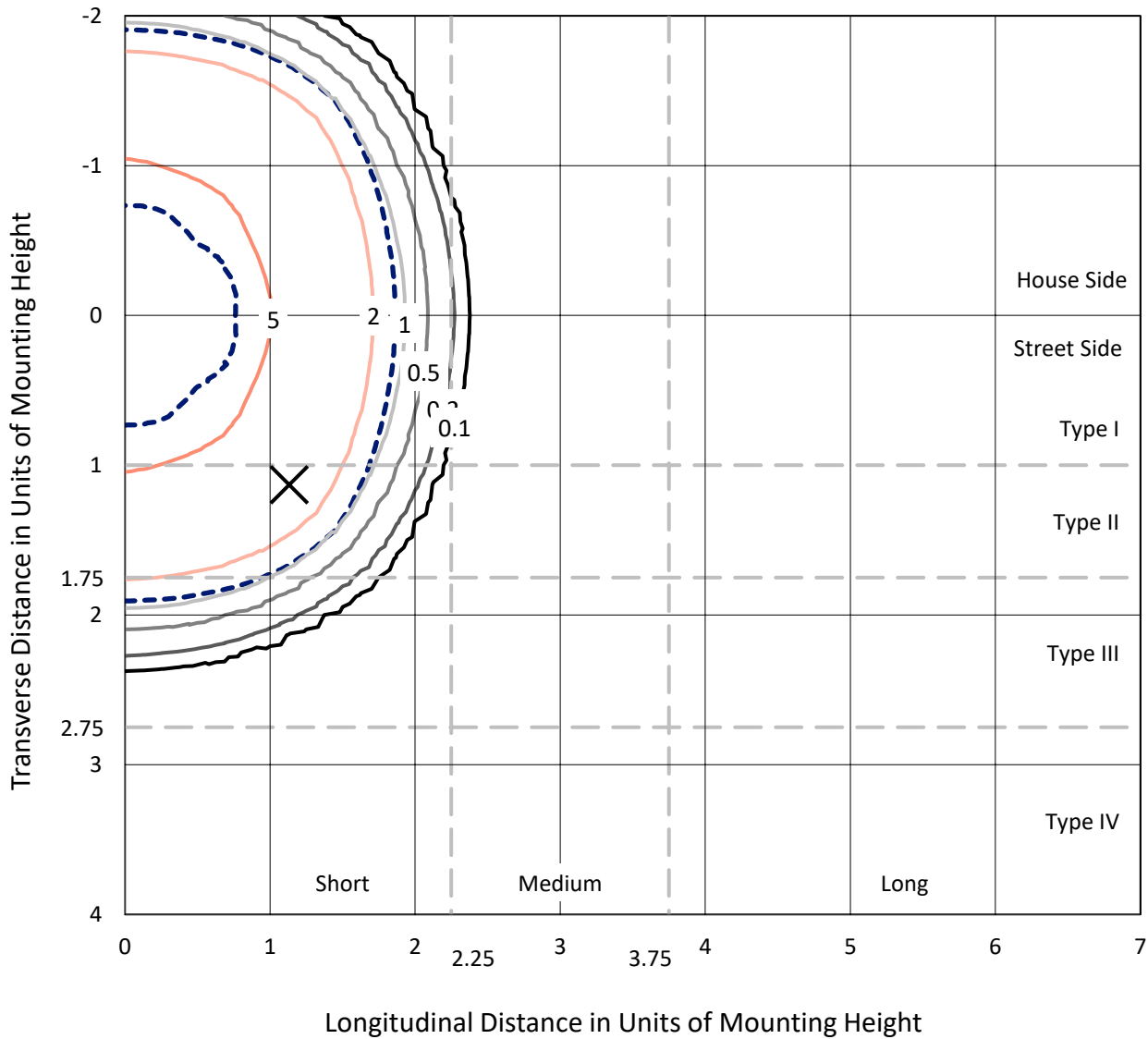


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### Iso-Footcandle Lines of Horizontal Illumination

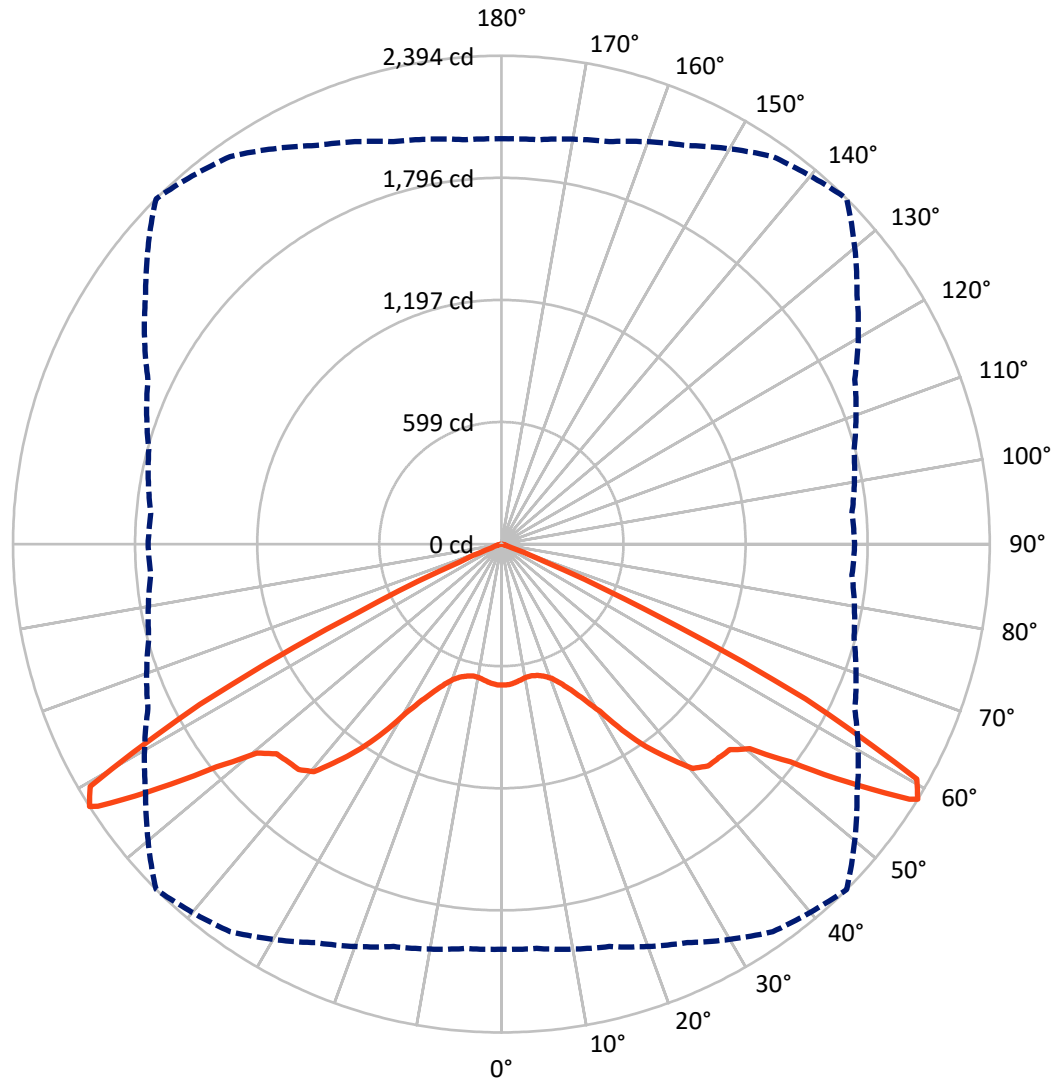
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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	2435.3	0.0	2435.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2435.3	0.0	2435.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4870.6	0.0	4870.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	1.3
10°-20°	190.7	3.9
20°-30°	360.6	7.4
30°-40°	711.3	14.6
40°-50°	1125.6	23.1
50°-60°	1654.5	34.0
60°-70°	738.5	15.2
70°-80°	24.7	0.5
80°-90°	0.2	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°	4870.6	100.0
0°-180°	4870.6	100.0

**Coefficient of Utilization**



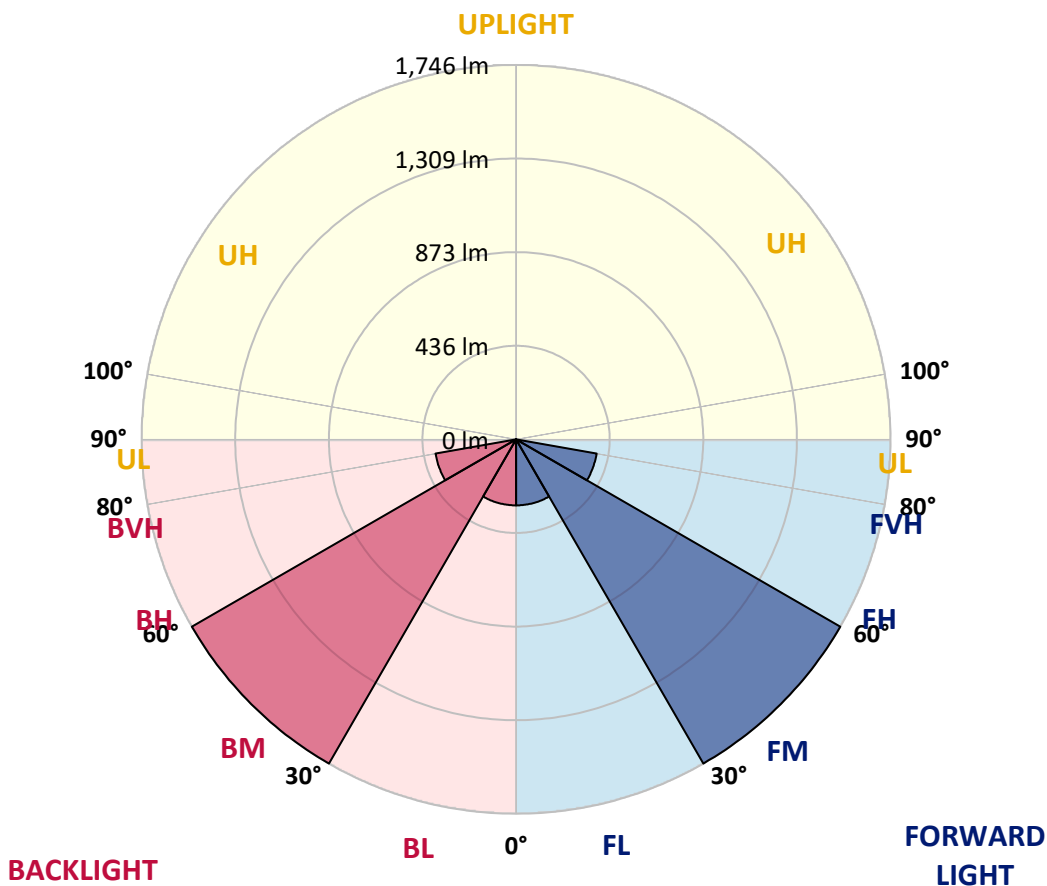
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.9	6.3			
FM (30°-60°)	1745.7	35.8			
FH (60°-80°)	381.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	307.9	6.3	B1/500		
BM (30°-60°)	1745.7	35.8	B2/2500		
BH (60°-80°)	381.6	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	684.1	685.4	686.7	687.4	688.1	690.1	690.7	688.7	688.7	684.7	689.4
5°	680.8	682.1	683.4	682.8	682.8	682.8	682.1	679.4	678.8	674.8	679.4
7.5°	674.8	676.1	676.1	674.1	672.8	672.8	672.1	668.8	668.2	664.2	668.8
10°	670.1	670.8	670.1	666.2	663.5	663.5	662.8	661.5	662.2	659.5	663.5
12.5°	672.8	673.5	670.8	665.5	662.2	661.5	659.5	657.5	659.5	658.9	662.8
15°	681.4	682.1	677.4	670.8	668.2	668.2	662.8	657.5	660.2	660.9	665.5
17.5°	692.0	692.0	686.1	680.1	680.8	680.8	672.1	662.8	663.5	666.2	670.8
20°	704.6	704.6	698.7	697.4	702.0	702.7	692.0	677.4	674.1	676.1	681.4
22.5°	727.2	727.2	722.6	725.9	736.5	739.8	723.9	703.3	695.4	696.7	702.0
25°	762.4	762.4	761.0	769.0	784.3	791.6	770.3	743.1	729.9	727.9	733.8
27.5°	821.4	822.1	820.1	832.0	851.3	859.9	830.7	794.9	779.0	775.6	781.6
30°	897.7	897.7	898.4	915.0	940.2	951.5	913.0	871.2	852.6	842.0	850.0
32.5°	982.7	984.0	990.6	1018.5	1062.9	1086.2	1029.8	971.4	941.5	930.2	938.9
35°	1122.7	1110.1	1102.1	1122.7	1187.0	1217.5	1145.2	1076.9	1054.3	1053.0	1074.9
37.5°	1261.3	1254.0	1237.4	1258.7	1316.4	1330.3	1250.7	1193.7	1177.7	1186.4	1208.3
40°	1371.5	1358.2	1336.3	1356.2	1431.9	1445.8	1347.6	1291.2	1285.2	1304.5	1334.3
42.5°	1458.4	1439.8	1410.6	1415.3	1476.3	1486.3	1399.3	1356.9	1360.9	1384.7	1418.6
45°	1497.5	1482.9	1457.1	1455.1	1493.6	1494.2	1425.9	1404.0	1414.6	1433.2	1459.7
47.5°	1514.1	1507.5	1492.9	1489.6	1511.5	1506.2	1463.7	1454.4	1464.4	1469.7	1484.9
50°	1555.3	1555.3	1557.3	1559.9	1582.5	1577.2	1547.3	1536.7	1524.1	1505.5	1510.2
52.5°	1670.7	1675.4	1694.6	1715.8	1757.0	1774.2	1725.8	1664.1	1603.7	1563.2	1563.2
55°	1879.1	1883.7	1906.3	1942.1	2017.7	2058.9	1946.1	1810.1	1727.1	1672.1	1679.3
57.5°	1993.9	1999.2	2045.6	2142.5	2289.1	2358.8	2116.6	1914.9	1798.8	1735.7	1741.1
58°	1986.6	1989.9	2042.3	2155.8	2319.0	2394.0	2128.5	1911.6	1789.5	1725.1	1731.8
60°	1764.9	1760.3	1843.9	2005.8	2236.0	2339.5	2009.8	1745.0	1603.0	1537.4	1540.7
62.5°	1153.8	1156.5	1228.8	1398.0	1577.2	1674.7	1404.0	1206.9	1092.8	1053.0	1043.0
65°	481.7	473.1	517.5	611.8	719.2	773.7	664.8	562.7	492.3	465.8	473.1
67.5°	124.1	120.8	123.4	154.6	189.1	223.6	187.8	143.3	124.7	126.1	126.1
70°	70.3	66.4	53.7	49.8	48.4	48.4	48.4	48.4	55.7	65.7	67.7
72.5°	53.1	49.8	39.1	33.8	29.9	27.9	29.2	33.8	40.5	49.1	50.4
75°	26.5	26.5	23.9	22.6	19.9	18.6	19.2	21.2	24.5	27.9	27.2
77.5°	5.3	6.0	6.6	8.0	6.6	6.6	6.6	8.0	8.0	8.6	8.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)