

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: P629825

Luminaire Tested: GWS-SA1C-740-U-5NQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-5NQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

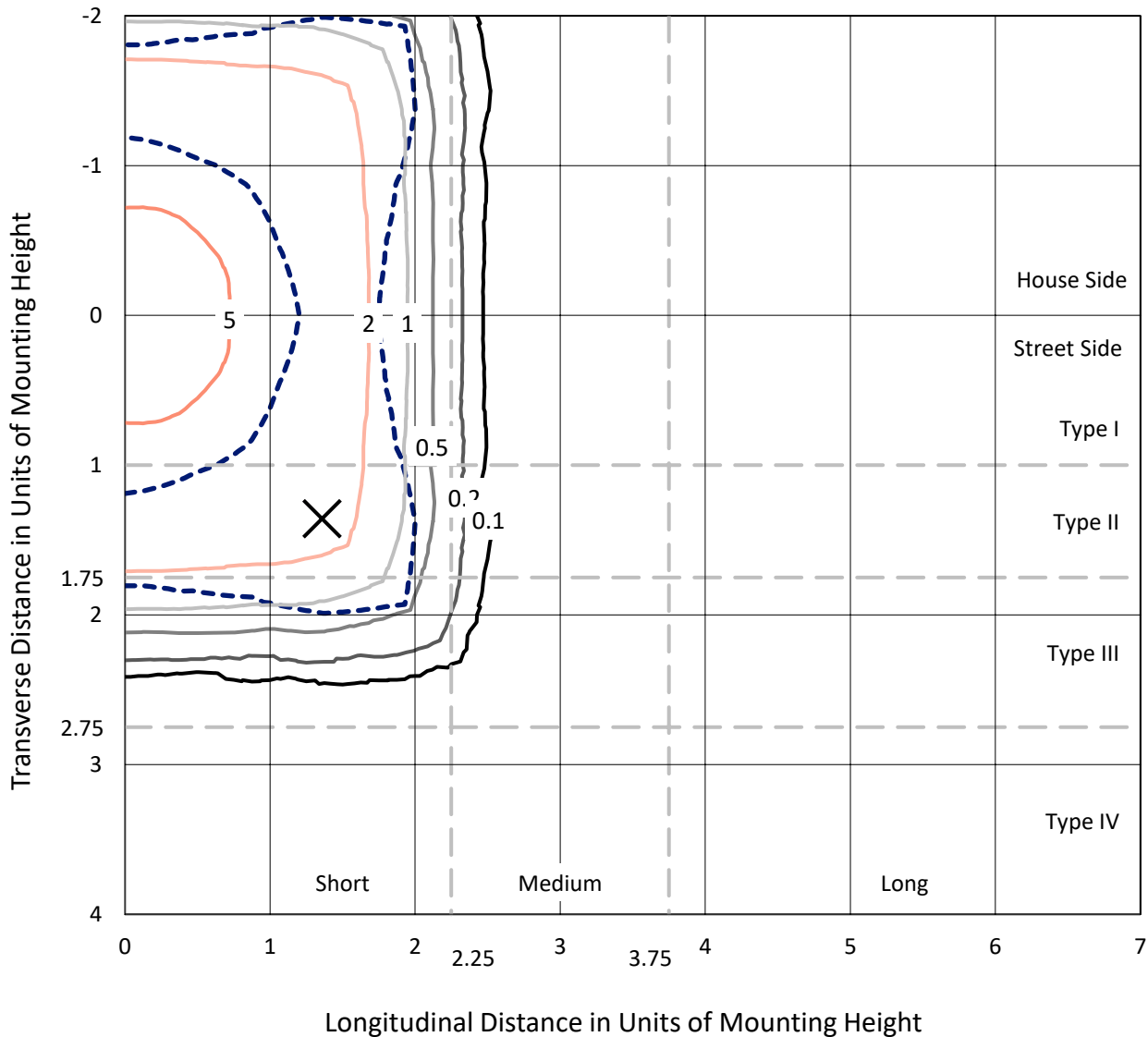
Lumens per Lamp: N/A  
Luminaire Lumens: 5023.8 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

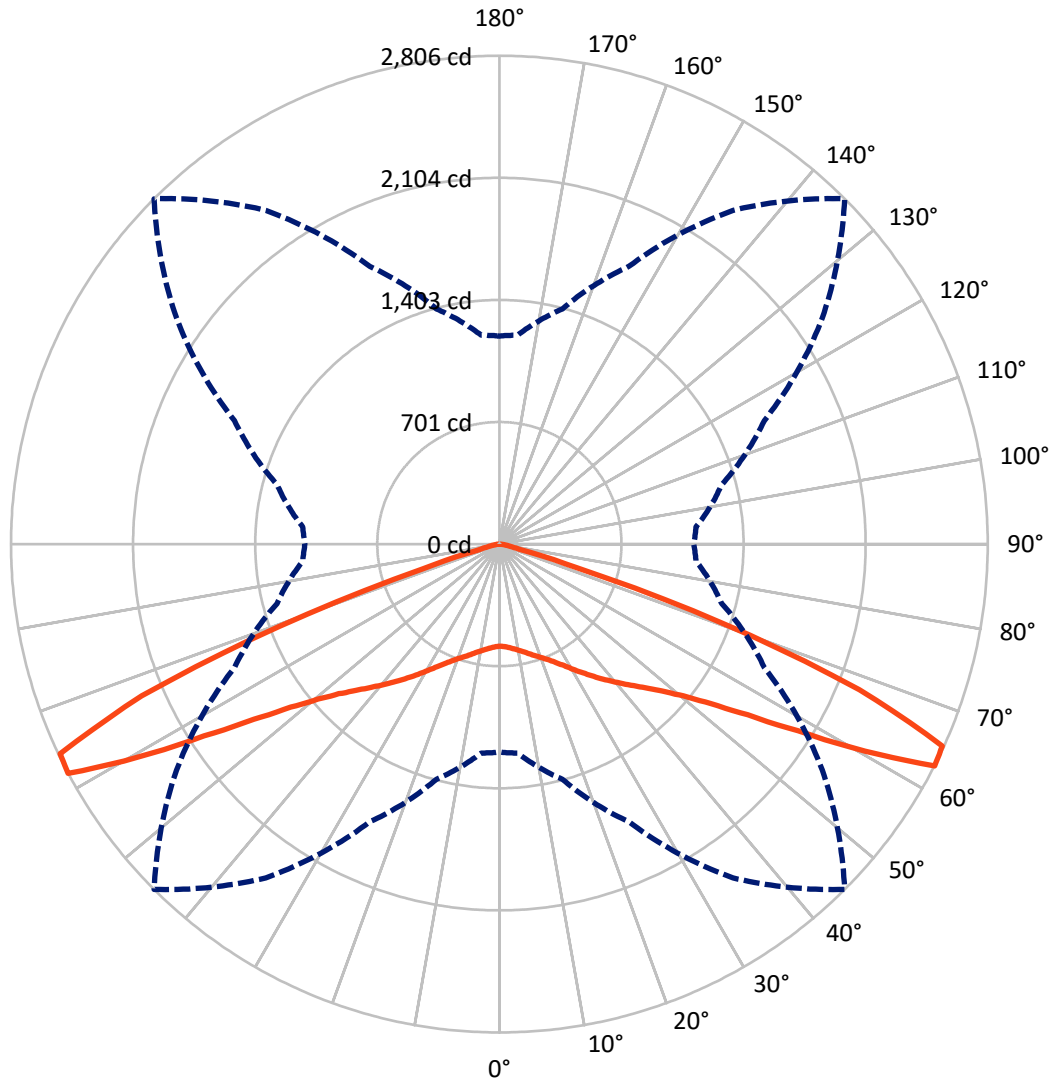
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2511.9	0.0	2511.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2511.9	0.0	2511.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5023.8	0.0	5023.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	1.1
10°-20°	185.4	3.7
20°-30°	350.8	7.0
30°-40°	590.5	11.8
40°-50°	943.4	18.8
50°-60°	1520.8	30.3
60°-70°	1240.8	24.7
70°-80°	120.5	2.4
80°-90°	14.0	0.3
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°	5023.8	100.0
0°-180°	5023.8	100.0

**Coefficient of Utilization**



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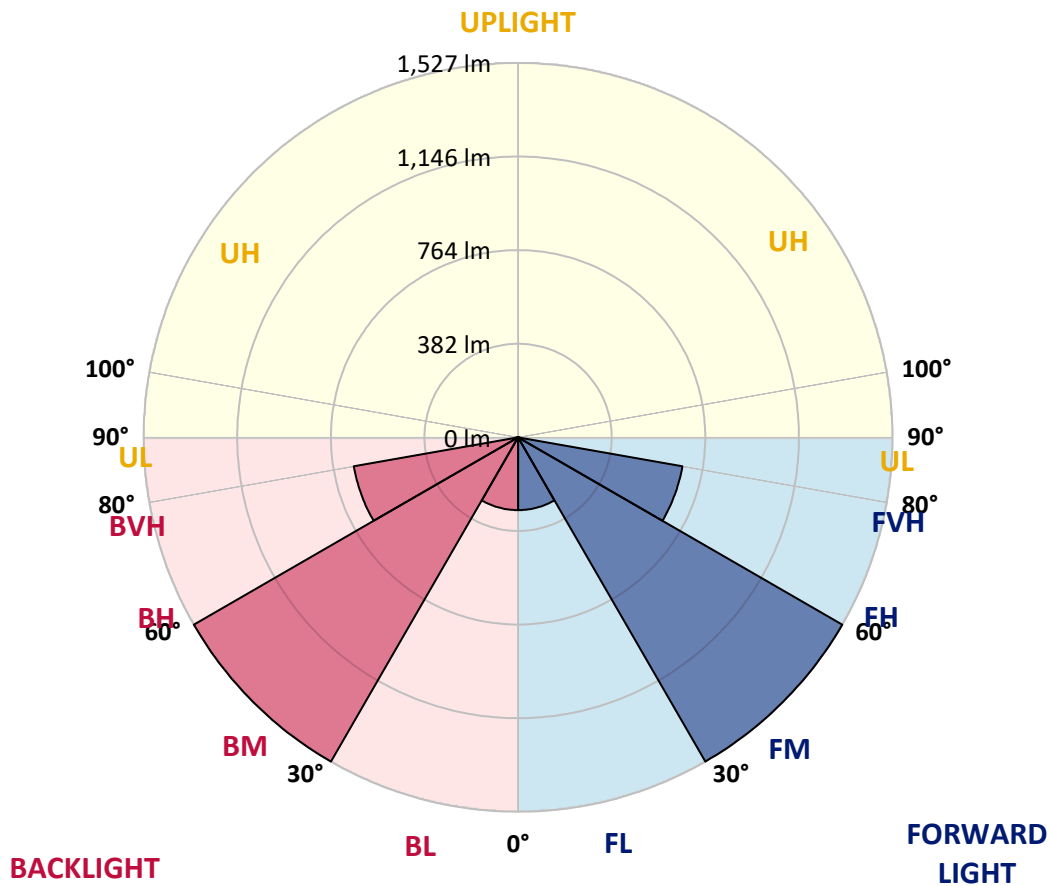
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.9	5.9			
FM (30°-60°)	1527.4	30.4			
FH (60°-80°)	680.6	13.5			G1/1800
FVH (80°-90°)	7.0	0.1			G0/10
BL (0°-30°)	296.9	5.9	B1/500		
BM (30°-60°)	1527.4	30.4	B2/2500		
BH (60°-80°)	680.6	13.5	B2/1000		G1/1800
BVH (80°-90°)	7.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1
2.5°	585.4	585.4	586.8	587.8	587.1	589.9	589.5	588.9	588.5	587.5	590.6
5°	593.3	593.3	594.4	595.4	593.7	597.1	595.7	595.1	594.7	593.3	596.1
7.5°	602.3	603.3	603.7	605.4	604.4	608.1	607.1	605.7	605.0	603.3	605.7
10°	612.3	613.0	613.3	616.4	616.8	621.2	620.2	618.5	617.1	615.4	618.8
12.5°	625.7	626.1	627.1	630.9	631.9	635.4	635.0	632.6	630.9	628.5	632.3
15°	642.9	643.3	645.0	648.8	650.5	654.7	653.3	649.5	647.1	644.3	647.4
17.5°	660.9	662.2	664.0	667.8	670.2	675.0	673.3	669.1	667.1	664.3	666.4
20°	683.9	684.3	685.3	689.5	691.2	696.7	697.0	692.9	691.9	689.1	692.2
22.5°	709.4	709.8	710.8	715.3	718.4	721.9	723.9	721.5	719.8	716.3	720.1
25°	737.7	741.1	742.2	747.7	751.1	753.2	755.6	754.6	752.2	748.0	749.8
27.5°	777.3	778.0	779.7	785.9	788.0	790.1	792.5	792.8	789.4	784.6	787.0
30°	822.5	822.1	825.9	830.7	832.5	834.2	837.6	839.7	835.2	830.0	832.5
32.5°	868.6	872.8	877.6	882.1	881.0	881.7	887.2	891.0	884.8	875.5	877.6
35°	920.7	923.4	929.6	936.2	934.8	933.8	937.2	941.0	932.4	920.3	923.4
37.5°	974.1	978.2	987.5	995.4	993.4	988.5	992.3	996.5	988.2	974.4	973.0
40°	1033.7	1040.2	1053.7	1060.2	1054.7	1045.4	1051.9	1061.9	1053.7	1037.8	1034.0
42.5°	1103.6	1111.5	1125.0	1135.0	1122.9	1107.8	1118.8	1133.3	1131.2	1110.2	1103.6
45°	1190.1	1195.3	1211.8	1216.6	1198.7	1177.7	1197.7	1219.7	1214.6	1191.8	1183.2
47.5°	1284.2	1292.1	1306.6	1315.5	1286.6	1260.4	1288.3	1317.9	1312.4	1291.1	1281.1
50°	1404.1	1414.4	1433.4	1440.9	1401.0	1371.0	1406.8	1444.4	1433.7	1405.1	1392.0
52.5°	1534.7	1542.9	1575.3	1590.5	1552.9	1520.5	1551.9	1588.8	1566.0	1528.1	1510.5
55°	1649.7	1658.0	1705.6	1755.9	1754.1	1731.8	1747.6	1748.3	1686.6	1623.9	1605.3
57.5°	1674.6	1682.8	1773.4	1905.1	1998.1	2023.9	1977.4	1879.6	1724.2	1614.3	1593.2
60°	1542.2	1551.5	1695.6	1936.1	2242.0	2414.7	2200.4	1876.8	1608.1	1459.2	1439.2
62.5°	1194.9	1204.9	1398.6	1759.7	2340.6	2805.7	2265.1	1679.4	1322.8	1134.3	1116.7
65°	570.6	570.6	816.6	1262.1	2144.2	2796.4	2077.7	1242.5	796.3	611.6	596.4
67.5°	141.3	142.0	210.2	491.3	1458.5	2231.7	1482.3	596.4	280.5	198.5	193.3
70°	88.2	87.9	97.5	133.0	510.3	1354.5	606.1	179.9	114.0	100.6	99.9
72.5°	68.6	68.6	73.4	85.1	133.7	461.4	176.8	99.9	82.7	74.4	74.4
75°	54.1	54.1	57.5	63.7	78.9	118.9	94.1	74.1	64.1	58.6	57.9
77.5°	40.3	41.0	43.8	47.9	53.8	66.8	59.6	55.8	50.0	45.8	44.4
80°	26.2	27.2	30.7	33.1	35.1	44.1	38.9	40.7	37.9	33.1	32.4
82.5°	14.1	14.5	18.6	19.3	20.0	24.1	24.8	25.8	26.9	21.0	19.6
85°	5.2	5.2	6.2	7.2	7.9	8.6	11.7	14.5	15.2	12.1	11.7
87.5°	1.0	1.0	1.0	0.7	0.7	0.7	2.1	3.8	6.2	4.8	4.8
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)