

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: P631254

Luminaire Tested: GWS-SA1F-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631254  
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-SA1F-735-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4372.9 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 67.2  
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

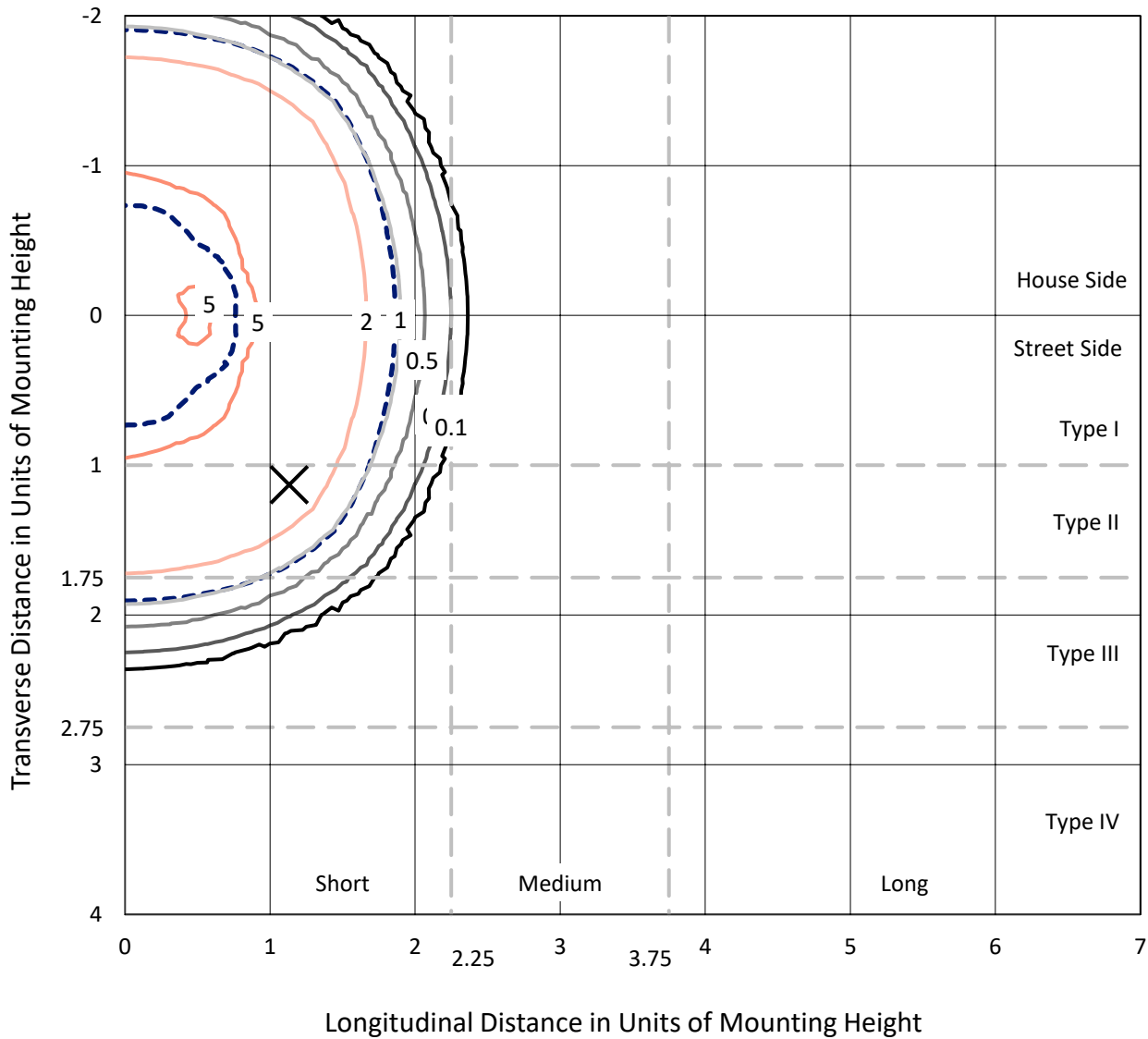


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

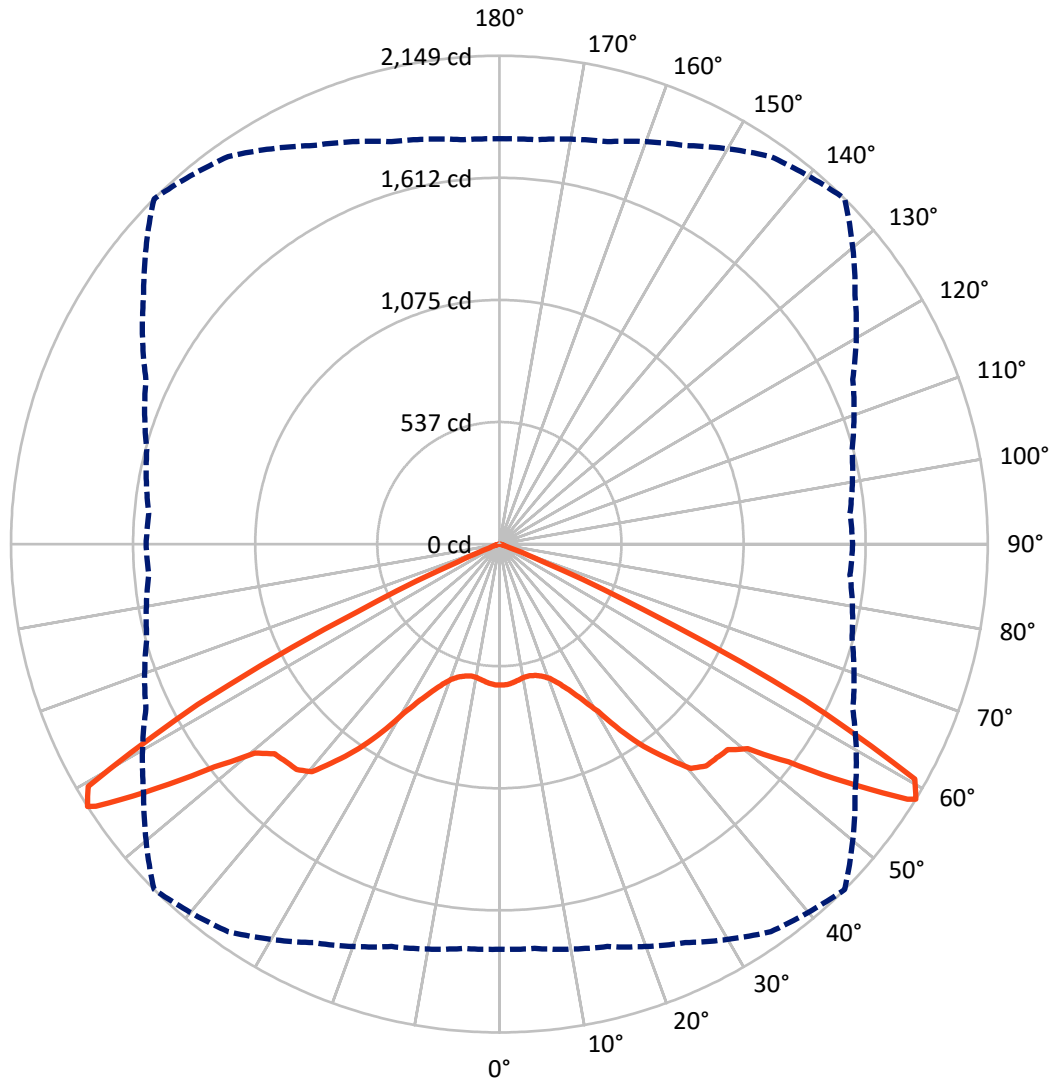


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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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	2186.4	0.0	2186.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2186.4	0.0	2186.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4372.9	0.0	4372.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.9	1.3
10°-20°	171.2	3.9
20°-30°	323.8	7.4
30°-40°	638.6	14.6
40°-50°	1010.6	23.1
50°-60°	1485.5	34.0
60°-70°	663.1	15.2
70°-80°	22.2	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°	4372.9	100.0
0°-180°	4372.9	100.0

**Coefficient of Utilization**



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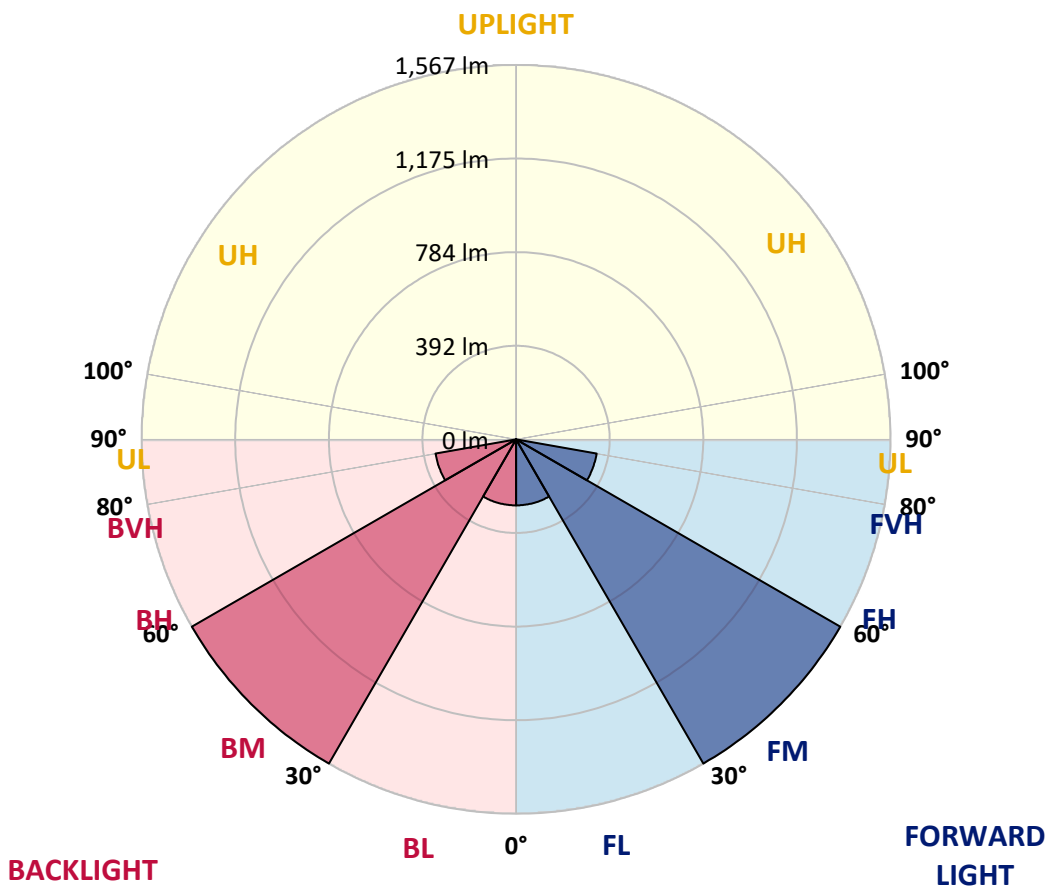
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.4	6.3			
FM (30°-60°)	1567.3	35.8			
FH (60°-80°)	342.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	276.4	6.3	B1/500		
BM (30°-60°)	1567.3	35.8	B2/2500		
BH (60°-80°)	342.6	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°	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1	620.1
2.5°	614.2	615.4	616.6	617.2	617.8	619.5	620.1	618.3	618.3	614.8	618.9
5°	611.2	612.4	613.6	613.0	613.0	613.0	612.4	610.0	609.4	605.8	610.0
7.5°	605.8	607.0	607.0	605.2	604.1	604.1	603.5	600.5	599.9	596.3	600.5
10°	601.7	602.3	601.7	598.1	595.7	595.7	595.1	593.9	594.5	592.1	595.7
12.5°	604.1	604.6	602.3	597.5	594.5	593.9	592.1	590.3	592.1	591.5	595.1
15°	611.8	612.4	608.2	602.3	599.9	599.9	595.1	590.3	592.7	593.3	597.5
17.5°	621.3	621.3	616.0	610.6	611.2	611.2	603.5	595.1	595.7	598.1	602.3
20°	632.6	632.6	627.3	626.1	630.3	630.9	621.3	608.2	605.2	607.0	611.8
22.5°	652.9	652.9	648.7	651.7	661.2	664.2	649.9	631.5	624.3	625.5	630.3
25°	684.5	684.5	683.3	690.4	704.1	710.7	691.6	667.2	655.3	653.5	658.9
27.5°	737.5	738.1	736.3	747.0	764.3	772.0	745.8	713.7	699.4	696.4	701.7
30°	806.0	806.0	806.6	821.5	844.1	854.2	819.7	782.2	765.5	756.0	763.1
32.5°	882.2	883.4	889.4	914.4	954.3	975.2	924.5	872.1	845.3	835.2	842.9
35°	1007.9	996.6	989.5	1007.9	1065.7	1093.1	1028.2	966.8	946.6	945.4	965.1
37.5°	1132.4	1125.9	1111.0	1130.1	1181.9	1194.4	1122.9	1071.7	1057.4	1065.1	1084.8
40°	1231.3	1219.4	1199.8	1217.6	1285.5	1298.1	1209.9	1159.3	1153.9	1171.2	1198.0
42.5°	1309.4	1292.7	1266.5	1270.7	1325.5	1334.4	1256.4	1218.2	1221.8	1243.2	1273.6
45°	1344.5	1331.4	1308.2	1306.4	1340.9	1341.5	1280.2	1260.5	1270.1	1286.7	1310.6
47.5°	1359.4	1353.5	1340.4	1337.4	1357.0	1352.3	1314.1	1305.8	1314.7	1319.5	1333.2
50°	1396.3	1396.3	1398.1	1400.5	1420.8	1416.0	1389.2	1379.7	1368.3	1351.7	1355.8
52.5°	1500.0	1504.2	1521.4	1540.5	1577.4	1592.9	1549.4	1494.0	1439.8	1403.5	1403.5
55°	1687.1	1691.2	1711.5	1743.6	1811.6	1848.5	1747.2	1625.1	1550.6	1501.2	1507.7
57.5°	1790.1	1794.9	1836.6	1923.6	2055.2	2117.8	1900.3	1719.2	1615.0	1558.4	1563.1
58°	1783.6	1786.5	1833.6	1935.5	2082.0	2149.3	1911.0	1716.2	1606.6	1548.8	1554.8
60°	1584.6	1580.4	1655.5	1800.8	2007.5	2100.5	1804.4	1566.7	1439.2	1380.3	1383.2
62.5°	1035.9	1038.3	1103.3	1255.2	1416.0	1503.6	1260.5	1083.6	981.1	945.4	936.5
65°	432.5	424.7	464.7	549.2	645.8	694.6	596.9	505.2	442.0	418.2	424.7
67.5°	111.4	108.4	110.8	138.8	169.8	200.8	168.6	128.7	112.0	113.2	113.2
70°	63.1	59.6	48.3	44.7	43.5	43.5	43.5	43.5	50.0	59.0	60.8
72.5°	47.7	44.7	35.1	30.4	26.8	25.0	26.2	30.4	36.3	44.1	45.3
75°	23.8	23.8	21.4	20.3	17.9	16.7	17.3	19.1	22.0	25.0	24.4
77.5°	4.8	5.4	6.0	7.1	6.0	6.0	6.0	7.1	7.1	7.7	7.1
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)