

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: P630258

Luminaire Tested: GWS-SA1D-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630258  
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-SA1D-735-U-5MQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

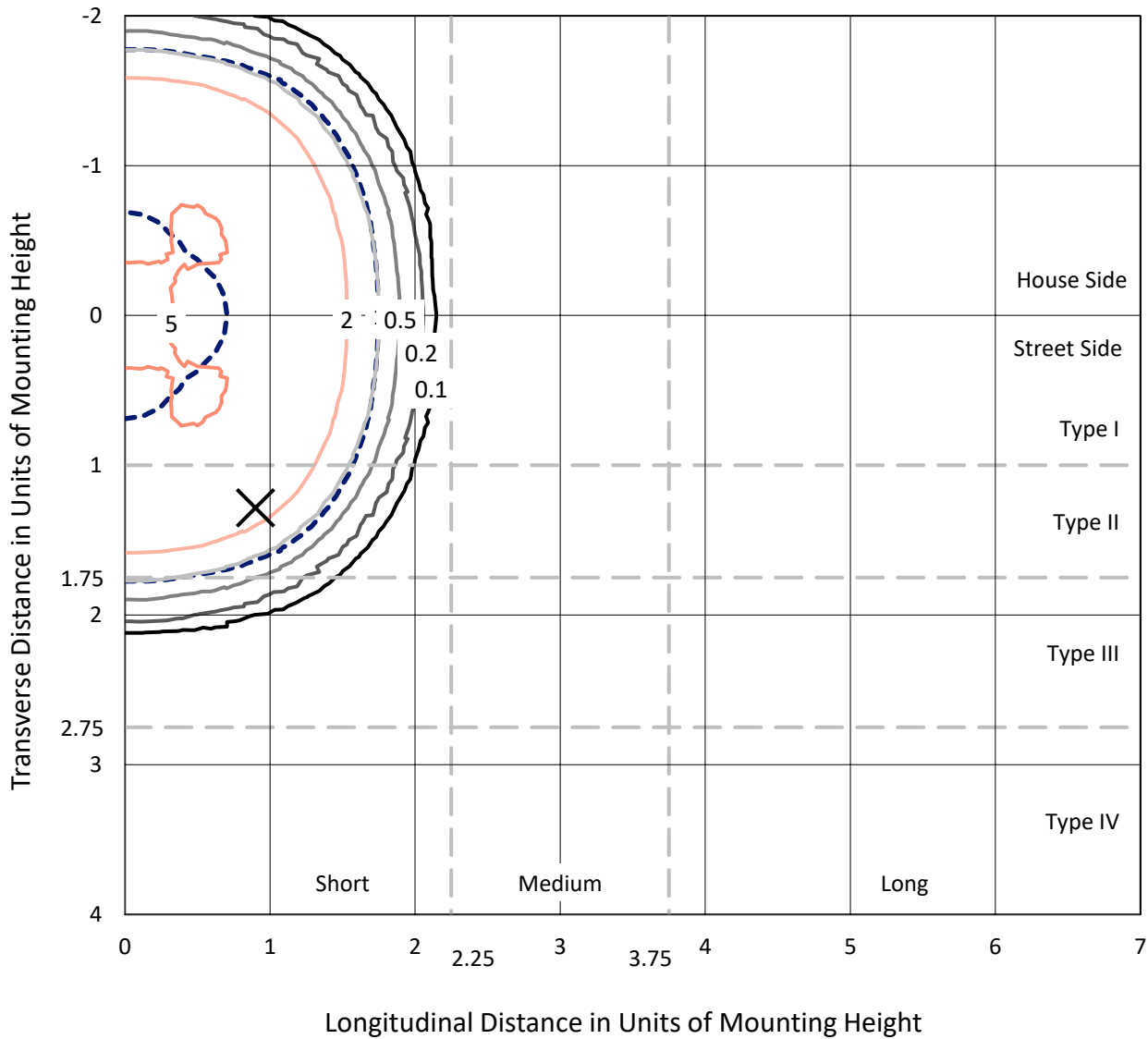
Lumens per Lamp: N/A  
Luminaire Lumens: 3654.1 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

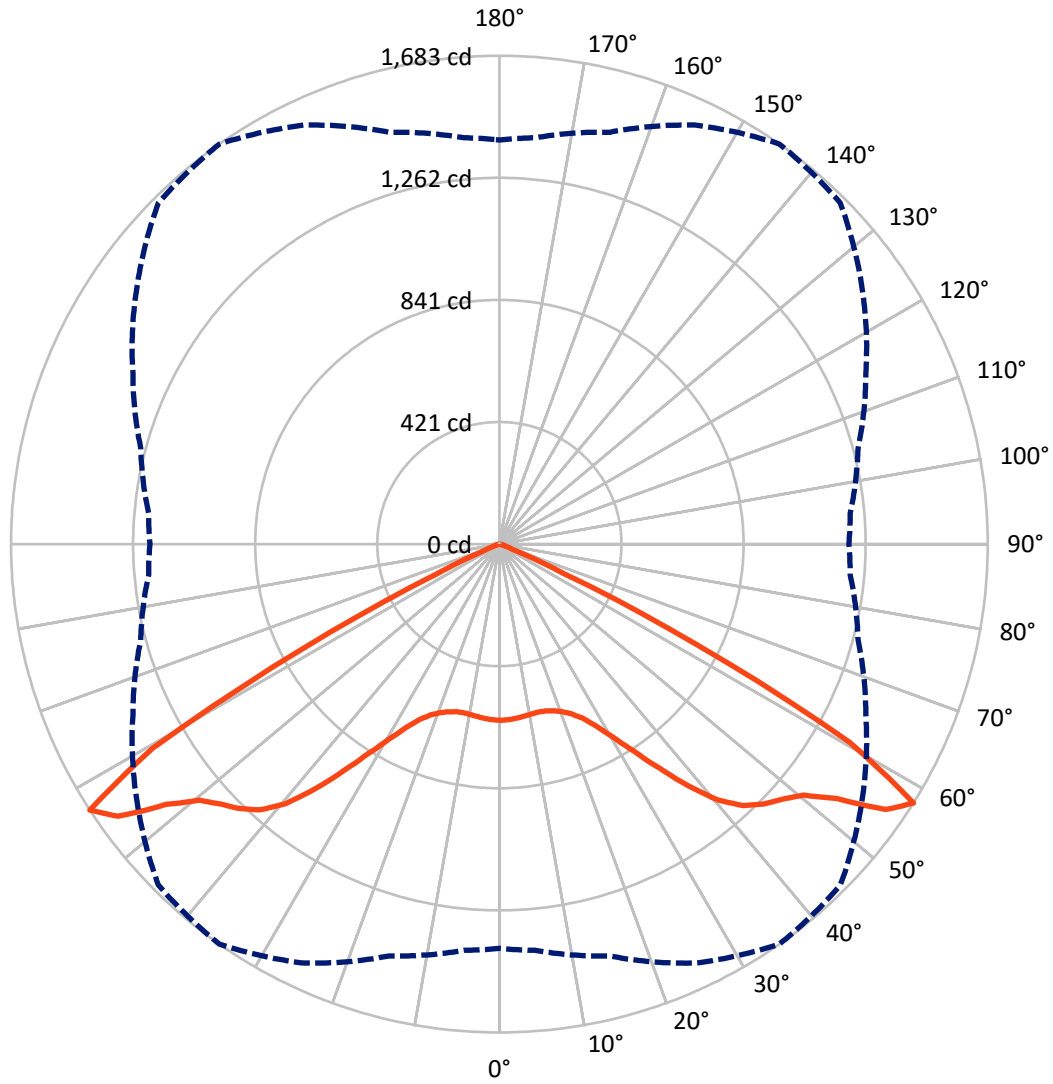
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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	1827.0	0.0	1827.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1827.0	0.0	1827.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3654.1	0.0	3654.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	1.6
10°-20°	168.4	4.6
20°-30°	304.3	8.3
30°-40°	567.8	15.5
40°-50°	952.5	26.1
50°-60°	1257.8	34.4
60°-70°	334.0	9.1
70°-80°	11.9	0.3
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°	3654.1	100.0
0°-180°	3654.1	100.0

**Coefficient of Utilization**



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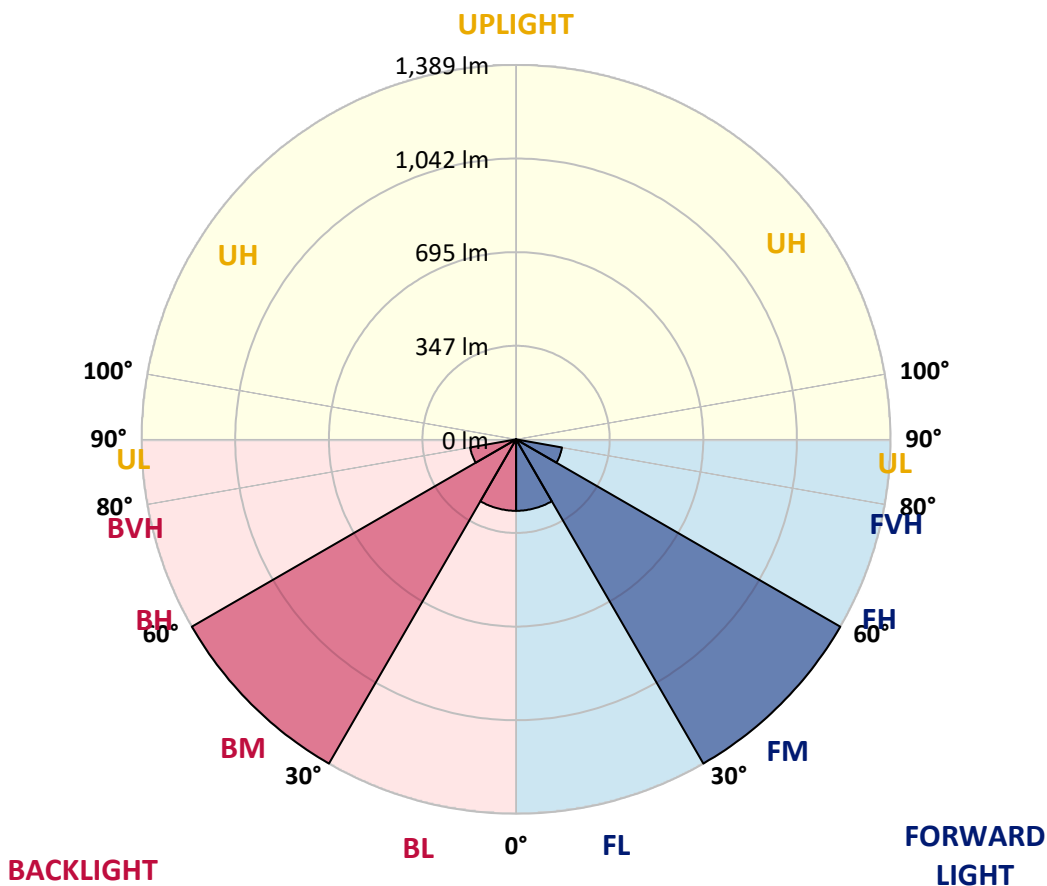
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.0	7.3			
FM (30°-60°)	1389.0	38.0			
FH (60°-80°)	173.0	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	265.0	7.3	B1/500		
BM (30°-60°)	1389.0	38.0	B2/2500		
BH (60°-80°)	173.0	4.7	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°	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
2.5°	603.2	602.8	604.5	605.8	605.8	608.8	608.0	607.1	606.2	605.0	608.0
5°	602.4	602.0	603.2	604.1	603.2	605.8	604.1	602.4	601.5	599.8	603.2
7.5°	598.5	599.0	599.8	600.7	599.4	601.5	599.4	596.8	594.7	592.9	596.0
10°	592.5	592.9	593.8	595.5	596.0	599.0	596.0	591.2	588.2	585.7	588.7
12.5°	589.5	589.9	591.2	593.4	593.8	597.7	593.8	586.9	582.7	579.7	582.7
15°	590.4	591.2	592.9	595.5	596.4	600.2	595.1	586.1	580.1	576.2	578.8
17.5°	593.4	594.2	596.8	601.1	604.1	608.0	601.5	589.9	581.8	576.2	578.8
20°	597.2	598.5	602.8	609.7	616.1	623.0	614.8	599.0	588.2	581.4	583.5
22.5°	608.0	609.2	615.2	624.2	635.0	643.5	633.7	613.5	599.0	589.9	592.1
25°	629.8	631.1	638.8	650.4	664.1	675.3	662.8	637.5	618.7	608.4	609.2
27.5°	664.1	665.4	674.4	690.7	709.1	725.0	707.0	677.4	656.0	644.0	644.0
30°	707.4	709.1	721.1	743.0	771.7	792.7	768.3	732.3	704.9	688.6	689.0
32.5°	763.2	761.4	778.6	808.6	849.3	877.2	841.2	797.5	763.6	740.9	743.0
35°	834.8	834.3	853.6	894.4	947.5	981.0	938.1	881.5	840.8	817.6	818.0
37.5°	926.9	926.5	948.8	993.0	1056.8	1084.7	1036.7	979.2	935.5	913.2	915.8
40°	1035.0	1032.4	1052.1	1094.6	1158.5	1176.5	1124.2	1077.9	1035.8	1021.7	1028.6
42.5°	1137.9	1132.3	1143.9	1182.5	1231.8	1234.3	1194.9	1163.2	1134.5	1123.3	1127.6
45°	1220.6	1216.3	1227.1	1249.4	1277.7	1264.8	1245.9	1236.1	1212.9	1200.9	1204.8
47.5°	1282.4	1282.4	1295.2	1308.9	1313.2	1289.7	1292.7	1292.7	1269.5	1250.6	1245.9
50°	1335.5	1339.4	1358.7	1372.8	1358.7	1328.7	1345.8	1342.4	1295.2	1257.5	1247.6
52.5°	1420.4	1424.3	1453.9	1473.2	1457.3	1427.7	1429.9	1387.0	1317.5	1272.9	1257.5
55°	1510.5	1519.9	1562.8	1614.2	1614.6	1584.2	1527.6	1451.7	1367.3	1318.8	1302.9
57.5°	1392.6	1405.4	1469.3	1593.2	1682.8	1661.8	1526.7	1393.4	1279.4	1213.3	1204.3
60°	958.2	980.5	1044.4	1213.8	1386.6	1394.7	1235.2	1085.6	954.8	873.3	875.1
62.5°	404.7	427.5	463.5	602.8	761.4	771.3	694.1	586.9	480.2	421.5	430.5
65°	95.2	101.6	112.3	166.8	241.8	253.0	233.2	181.8	134.2	113.6	115.8
67.5°	41.6	42.4	40.3	42.9	53.2	54.5	52.7	46.3	43.7	44.6	44.6
70°	29.2	29.6	27.9	26.6	25.3	23.6	24.4	27.0	29.2	30.9	30.4
72.5°	18.0	18.4	18.9	18.9	17.6	15.9	16.7	18.4	18.9	19.3	18.9
75°	9.0	9.4	10.3	10.7	10.3	9.9	9.9	10.3	10.3	9.9	9.9
77.5°	1.7	2.1	3.0	3.4	3.4	3.4	3.4	3.4	3.9	3.4	3.4
80°	0.4	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)