

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: P630368

Luminaire Tested: GWS-SA1D-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630368  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

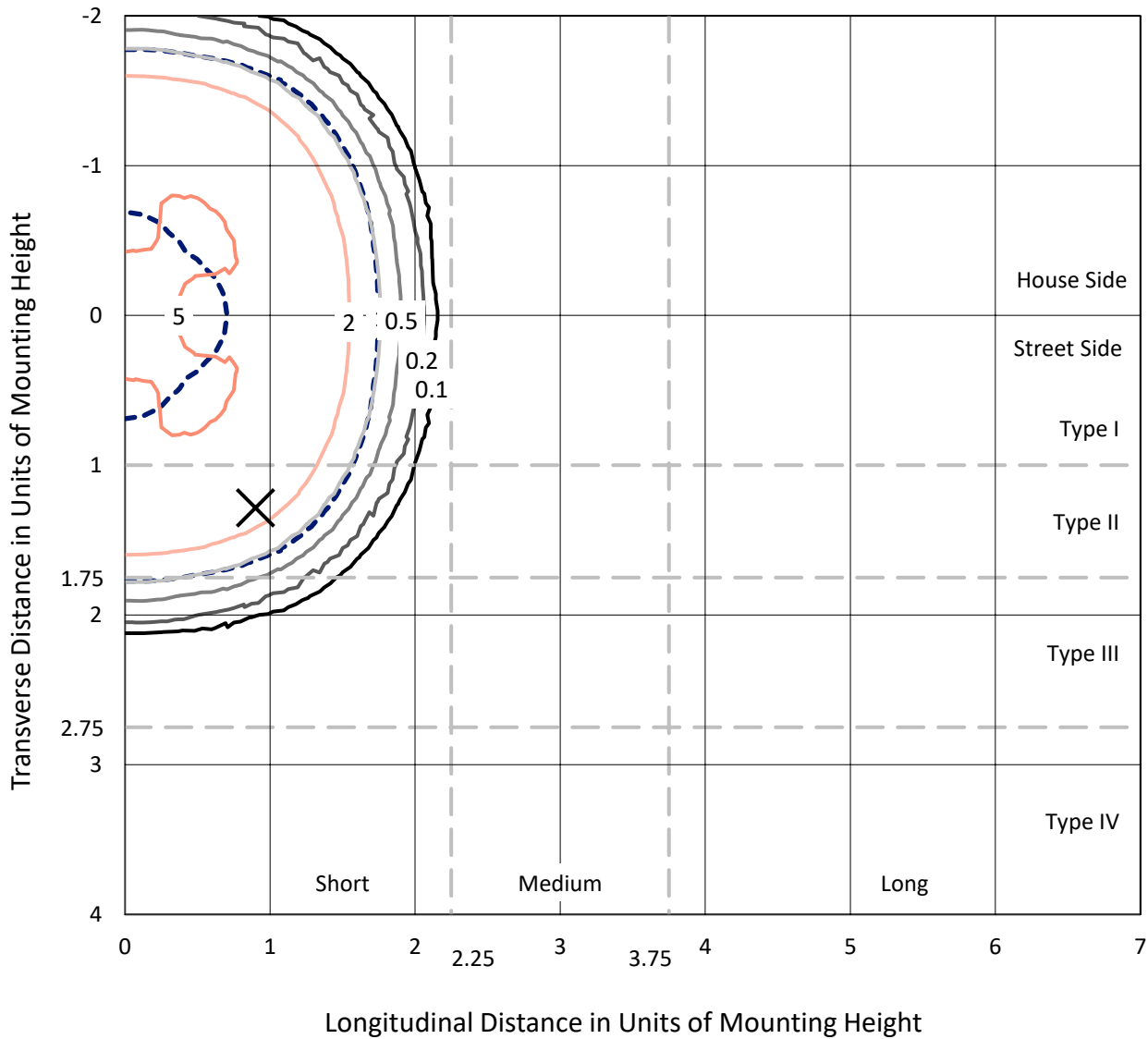
Lumens per Lamp: N/A  
Luminaire Lumens: 3789.8 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

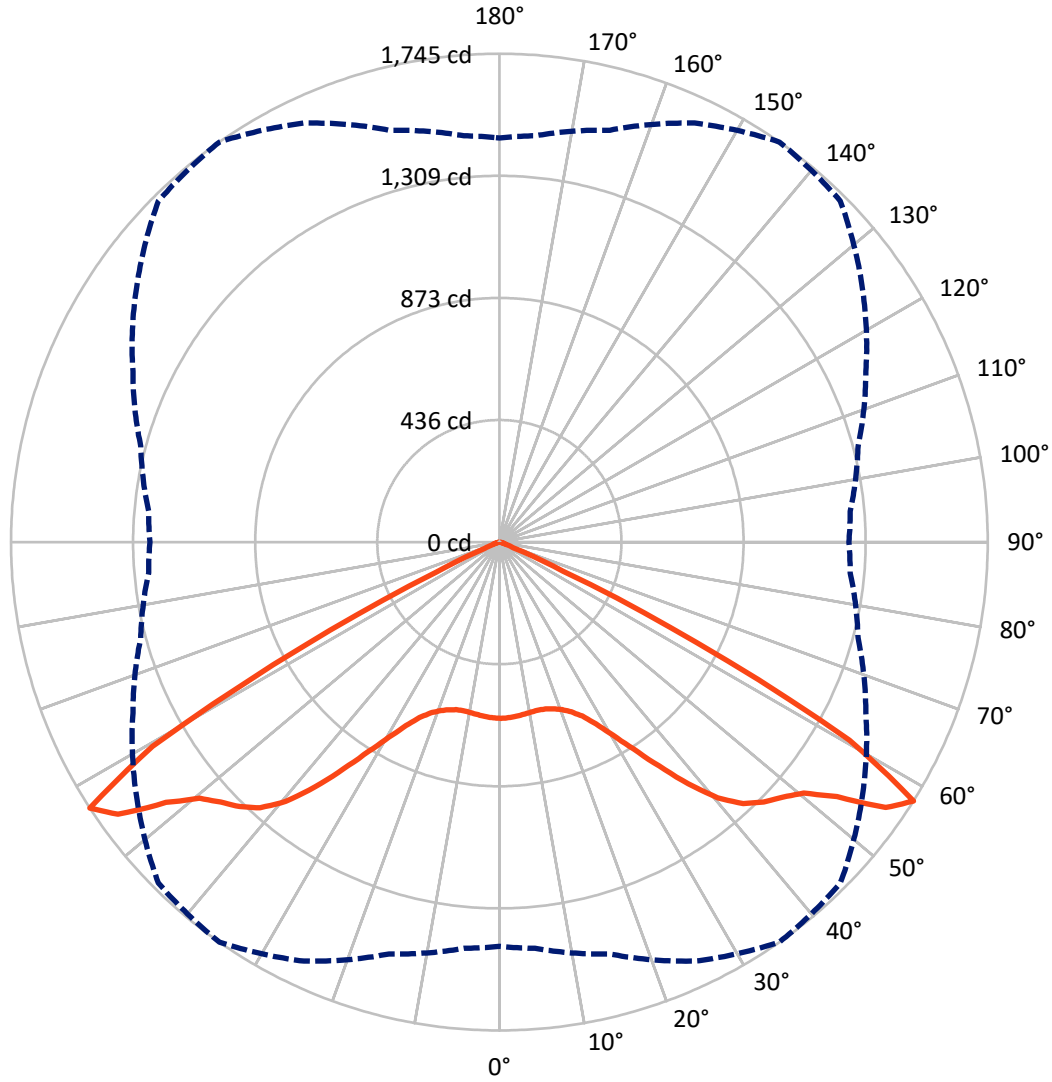
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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	1894.9	0.0	1894.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1894.9	0.0	1894.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3789.8	0.0	3789.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.4	1.6
10°-20°	174.6	4.6
20°-30°	315.6	8.3
30°-40°	588.9	15.5
40°-50°	987.8	26.1
50°-60°	1304.5	34.4
60°-70°	346.4	9.1
70°-80°	12.3	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°	3789.8	100.0
0°-180°	3789.8	100.0

**Coefficient of Utilization**



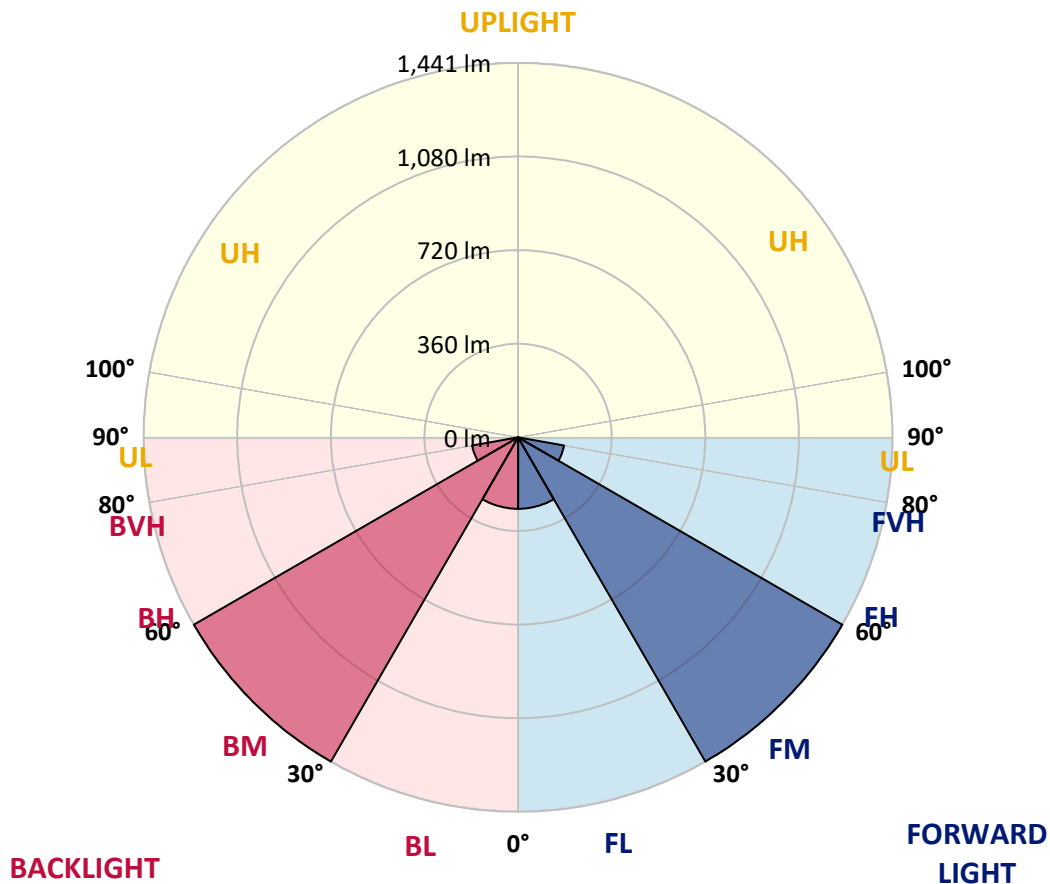
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.8	7.3			
FM (30°-60°)	1440.6	38.0			
FH (60°-80°)	179.4	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	274.8	7.3	B1/500		
BM (30°-60°)	1440.6	38.0	B2/2500		
BH (60°-80°)	179.4	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°	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1	630.1
2.5°	625.6	625.2	627.0	628.3	628.3	631.4	630.5	629.6	628.8	627.4	630.5
5°	624.8	624.3	625.6	626.5	625.6	628.3	626.5	624.8	623.9	622.1	625.6
7.5°	620.8	621.2	622.1	623.0	621.6	623.9	621.6	619.0	616.7	615.0	618.1
10°	614.5	615.0	615.9	617.6	618.1	621.2	618.1	613.2	610.1	607.4	610.5
12.5°	611.4	611.9	613.2	615.4	615.9	619.9	615.9	608.7	604.3	601.2	604.3
15°	612.3	613.2	615.0	617.6	618.5	622.5	617.2	607.9	601.6	597.6	600.3
17.5°	615.4	616.3	619.0	623.4	626.5	630.5	623.9	611.9	603.4	597.6	600.3
20°	619.4	620.8	625.2	632.3	639.0	646.1	637.6	621.2	610.1	603.0	605.2
22.5°	630.5	631.9	638.1	647.4	658.5	667.4	657.2	636.3	621.2	611.9	614.1
25°	653.2	654.5	662.5	674.6	688.8	700.3	687.4	661.2	641.6	631.0	631.9
27.5°	688.8	690.1	699.5	716.4	735.5	751.9	733.3	702.6	680.3	667.9	667.9
30°	733.7	735.5	747.9	770.6	800.4	822.2	796.8	759.5	731.0	714.1	714.6
32.5°	791.5	789.7	807.5	838.6	880.9	909.8	872.4	827.1	791.9	768.4	770.6
35°	865.8	865.3	885.3	927.6	982.7	1017.4	972.9	914.2	872.0	848.0	848.4
37.5°	961.4	960.9	984.0	1029.8	1096.1	1125.0	1075.2	1015.6	970.3	947.1	949.8
40°	1073.4	1070.8	1091.2	1135.2	1201.5	1220.2	1165.9	1117.9	1074.3	1059.6	1066.7
42.5°	1180.1	1174.4	1186.4	1226.4	1277.5	1280.2	1239.3	1206.4	1176.6	1165.0	1169.5
45°	1266.0	1261.5	1272.6	1295.7	1325.1	1311.8	1292.2	1282.0	1258.0	1245.5	1249.5
47.5°	1330.0	1330.0	1343.3	1357.6	1362.0	1337.5	1340.7	1340.7	1316.6	1297.1	1292.2
50°	1385.1	1389.1	1409.1	1423.8	1409.1	1378.0	1395.8	1392.2	1343.3	1304.2	1294.0
52.5°	1473.2	1477.2	1507.9	1527.9	1511.4	1480.7	1483.0	1438.5	1366.5	1320.2	1304.2
55°	1566.5	1576.3	1620.8	1674.2	1674.6	1643.0	1584.3	1505.6	1418.0	1367.8	1351.3
57.5°	1444.3	1457.6	1523.9	1652.4	1745.3	1723.5	1583.4	1445.2	1326.9	1258.4	1249.1
60°	993.8	1016.9	1083.2	1258.8	1438.0	1446.5	1281.1	1125.9	990.3	905.8	907.6
62.5°	419.8	443.3	480.7	625.2	789.7	799.9	719.9	608.7	498.0	437.1	446.4
65°	98.7	105.4	116.5	173.0	250.8	262.4	241.9	188.5	139.2	117.8	120.1
67.5°	43.1	44.0	41.8	44.5	55.1	56.5	54.7	48.0	45.4	46.2	46.2
70°	30.2	30.7	28.9	27.6	26.2	24.5	25.3	28.0	30.2	32.0	31.6
72.5°	18.7	19.1	19.6	19.6	18.2	16.5	17.3	19.1	19.6	20.0	19.6
75°	9.3	9.8	10.7	11.1	10.7	10.2	10.2	10.7	10.7	10.2	10.2
77.5°	1.8	2.2	3.1	3.6	3.6	3.6	3.6	3.6	4.0	3.6	3.6
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)