

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: P629873

Luminaire Tested: GWS-SA1C-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629873  
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-SA1C-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: 3004.1 lumens  
Efficiency: N/A  
Efficacy: 88.1 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): 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

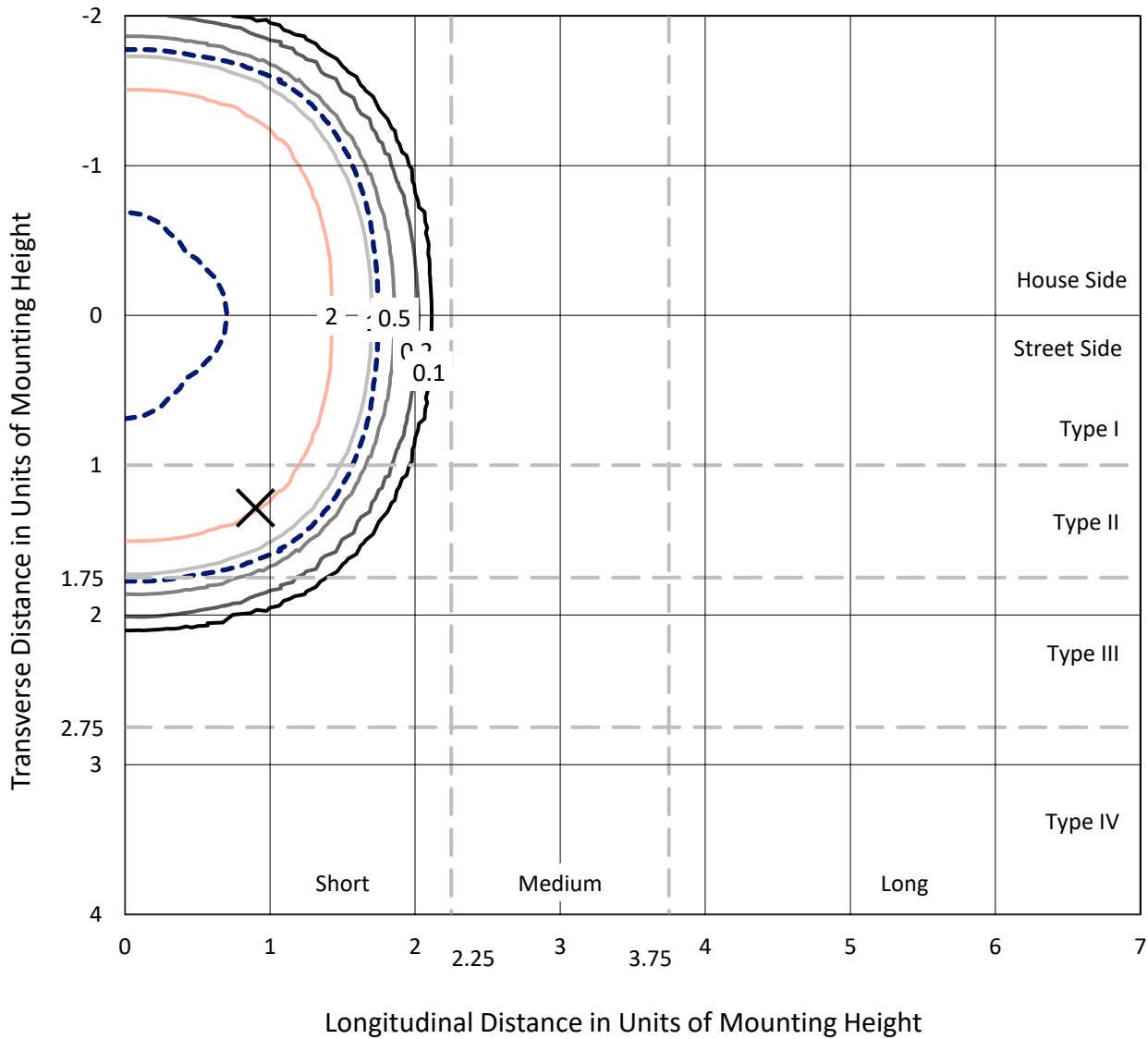


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### Iso-Footcandle Lines of Horizontal Illumination

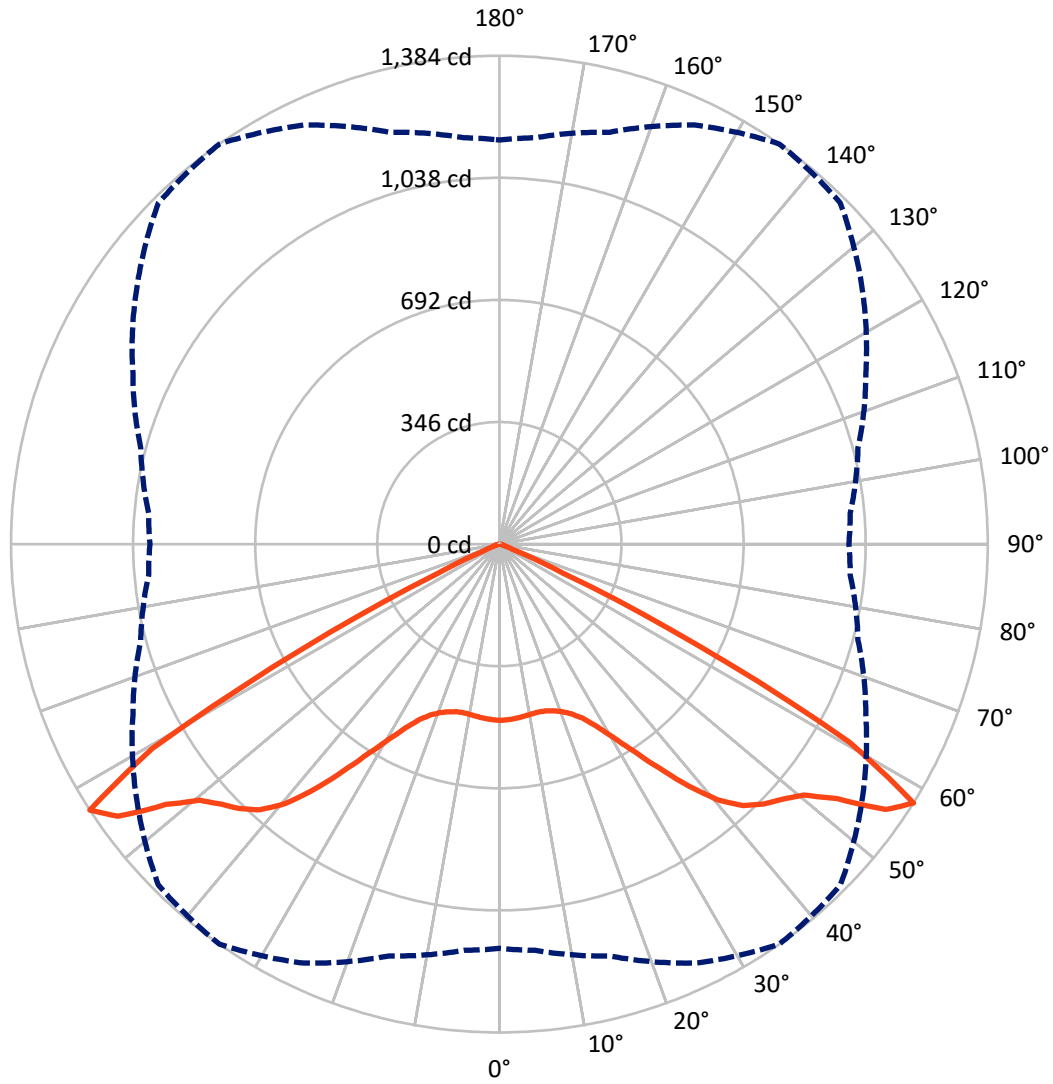
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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	1502.1	0.0	1502.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1502.1	0.0	1502.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3004.1	0.0	3004.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	1.6
10°-20°	138.4	4.6
20°-30°	250.2	8.3
30°-40°	466.8	15.5
40°-50°	783.0	26.1
50°-60°	1034.1	34.4
60°-70°	274.6	9.1
70°-80°	9.8	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°	3004.1	100.0
0°-180°	3004.1	100.0

**Coefficient of Utilization**



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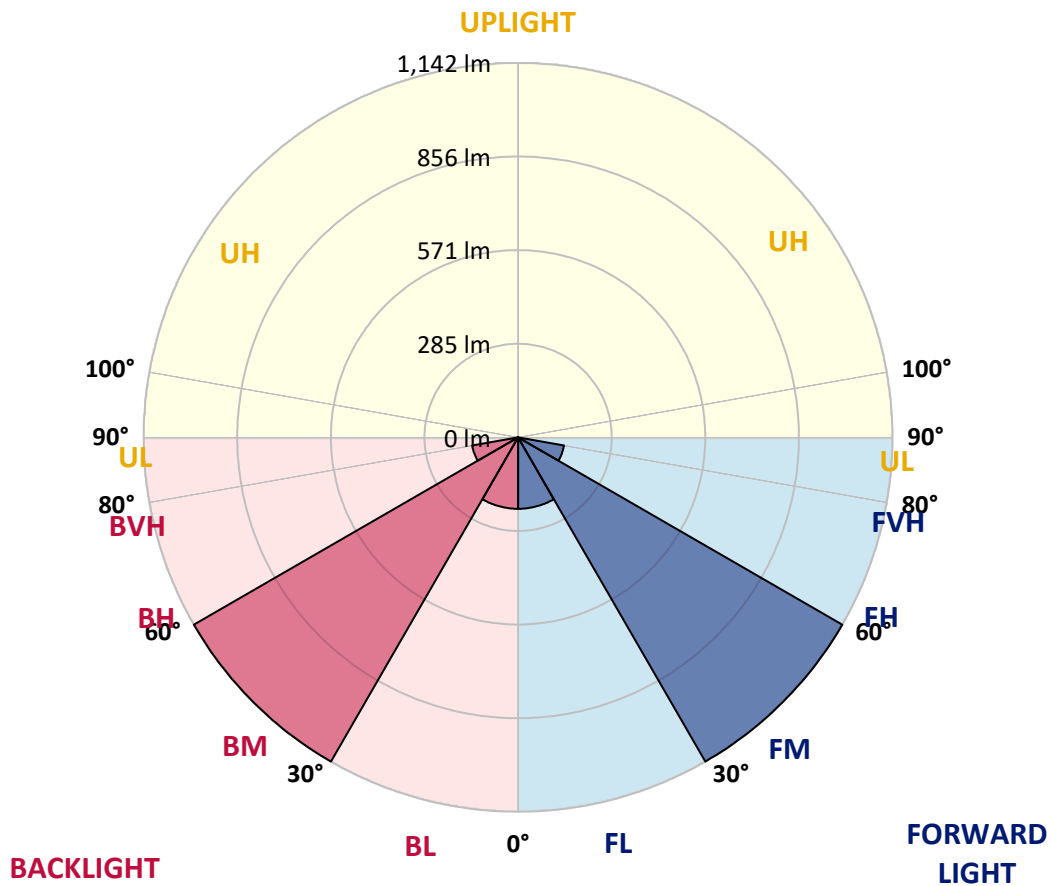
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.8	7.3			
FM (30°-60°)	1141.9	38.0			
FH (60°-80°)	142.2	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	217.8	7.3	B1/500		
BM (30°-60°)	1141.9	38.0	B2/2500		
BH (60°-80°)	142.2	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°	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5	499.5
2.5°	495.9	495.6	497.0	498.0	498.0	500.5	499.8	499.1	498.4	497.3	499.8
5°	495.2	494.9	495.9	496.6	495.9	498.0	496.6	495.2	494.5	493.1	495.9
7.5°	492.1	492.4	493.1	493.8	492.8	494.5	492.8	490.6	488.9	487.5	489.9
10°	487.1	487.5	488.2	489.6	489.9	492.4	489.9	486.1	483.6	481.5	483.9
12.5°	484.7	485.0	486.1	487.8	488.2	491.4	488.2	482.5	479.0	476.5	479.0
15°	485.4	486.1	487.5	489.6	490.3	493.5	489.2	481.8	476.9	473.7	475.8
17.5°	487.8	488.5	490.6	494.2	496.6	499.8	494.5	485.0	478.3	473.7	475.8
20°	491.0	492.1	495.6	501.2	506.5	512.1	505.5	492.4	483.6	478.0	479.7
22.5°	499.8	500.9	505.8	513.2	522.0	529.1	521.0	504.4	492.4	485.0	486.8
25°	517.8	518.8	525.2	534.7	546.0	555.1	544.9	524.1	508.6	500.2	500.9
27.5°	546.0	547.0	554.4	567.8	583.0	596.0	581.2	556.9	539.3	529.4	529.4
30°	581.6	583.0	592.9	610.8	634.5	651.7	631.6	602.0	579.5	566.1	566.4
32.5°	627.4	626.0	640.1	664.8	698.3	721.2	691.6	655.6	627.8	609.1	610.8
35°	686.3	685.9	701.8	735.3	779.0	806.5	771.2	724.7	691.2	672.2	672.5
37.5°	762.1	761.7	780.0	816.3	868.9	891.8	852.3	805.1	769.1	750.8	752.9
40°	850.9	848.8	865.0	899.9	952.4	967.2	924.2	886.1	851.6	840.0	845.6
42.5°	935.5	930.9	940.4	972.1	1012.7	1014.8	982.4	956.3	932.7	923.5	927.0
45°	1003.5	1000.0	1008.8	1027.1	1050.4	1039.8	1024.3	1016.2	997.2	987.3	990.5
47.5°	1054.3	1054.3	1064.8	1076.1	1079.6	1060.2	1062.7	1062.7	1043.7	1028.2	1024.3
50°	1098.0	1101.1	1117.0	1128.6	1117.0	1092.3	1106.4	1103.6	1064.8	1033.8	1025.7
52.5°	1167.8	1170.9	1195.2	1211.1	1198.1	1173.7	1175.5	1140.3	1083.2	1046.5	1033.8
55°	1241.8	1249.5	1284.8	1327.1	1327.4	1302.4	1255.9	1193.5	1124.0	1084.2	1071.2
57.5°	1144.8	1155.4	1207.9	1309.8	1383.5	1366.2	1255.2	1145.5	1051.8	997.5	990.1
60°	787.8	806.1	858.6	997.9	1139.9	1146.6	1015.5	892.5	785.0	718.0	719.4
62.5°	332.7	351.4	381.0	495.6	626.0	634.1	570.7	482.5	394.8	346.5	353.9
65°	78.2	83.5	92.3	137.1	198.8	208.0	191.7	149.4	110.3	93.4	95.2
67.5°	34.2	34.9	33.1	35.2	43.7	44.8	43.4	38.1	36.0	36.7	36.7
70°	24.0	24.3	22.9	21.9	20.8	19.4	20.1	22.2	24.0	25.4	25.0
72.5°	14.8	15.2	15.5	15.5	14.5	13.0	13.7	15.2	15.5	15.9	15.5
75°	7.4	7.8	8.5	8.8	8.5	8.1	8.1	8.5	8.5	8.1	8.1
77.5°	1.4	1.8	2.5	2.8	2.8	2.8	2.8	2.8	3.2	2.8	2.8
80°	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
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)