

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: P629329

Luminaire Tested: GWS-SA1B-740-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629329  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-5NQ-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

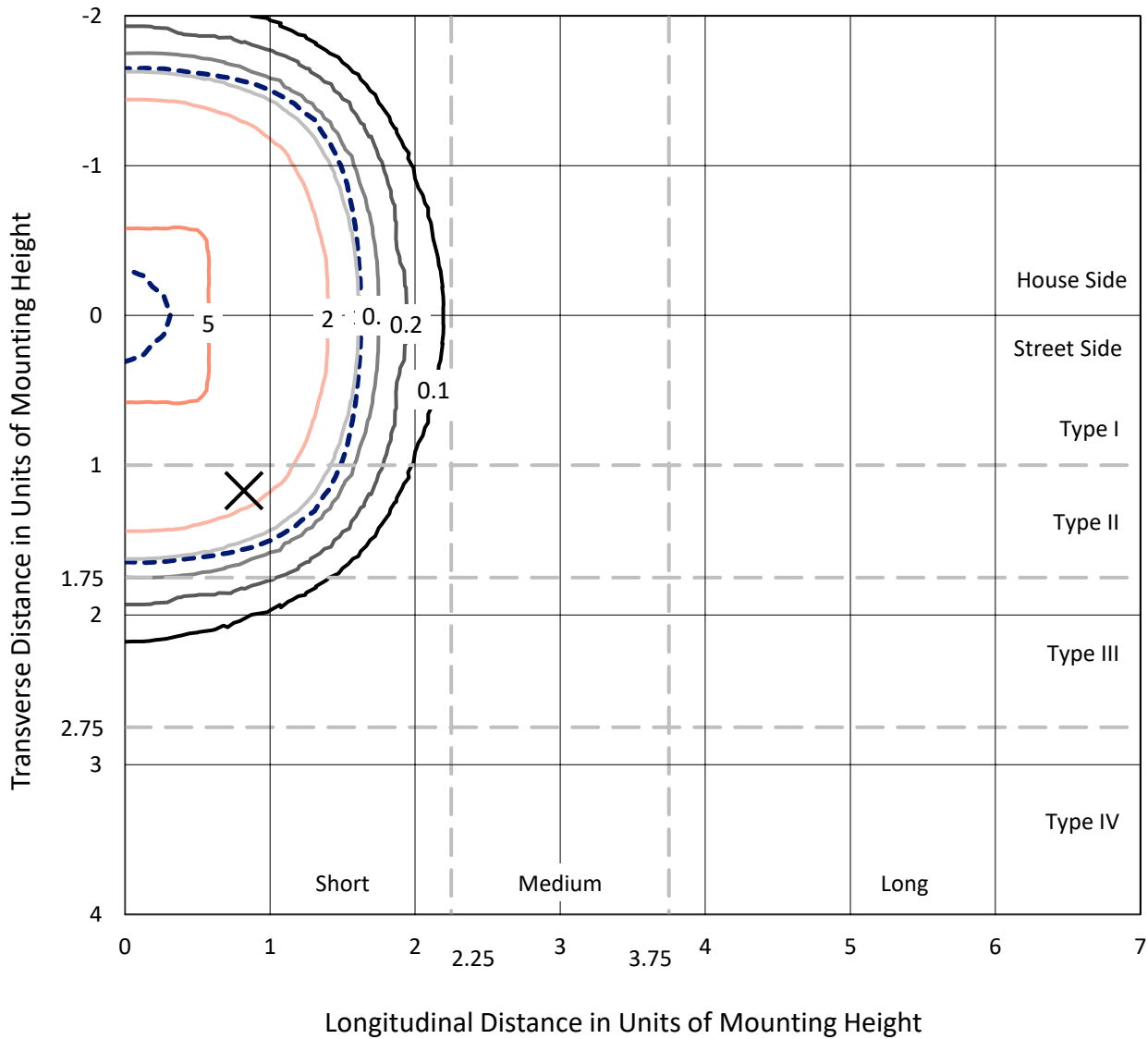
Lumens per Lamp: N/A  
Luminaire Lumens: 3249.1 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

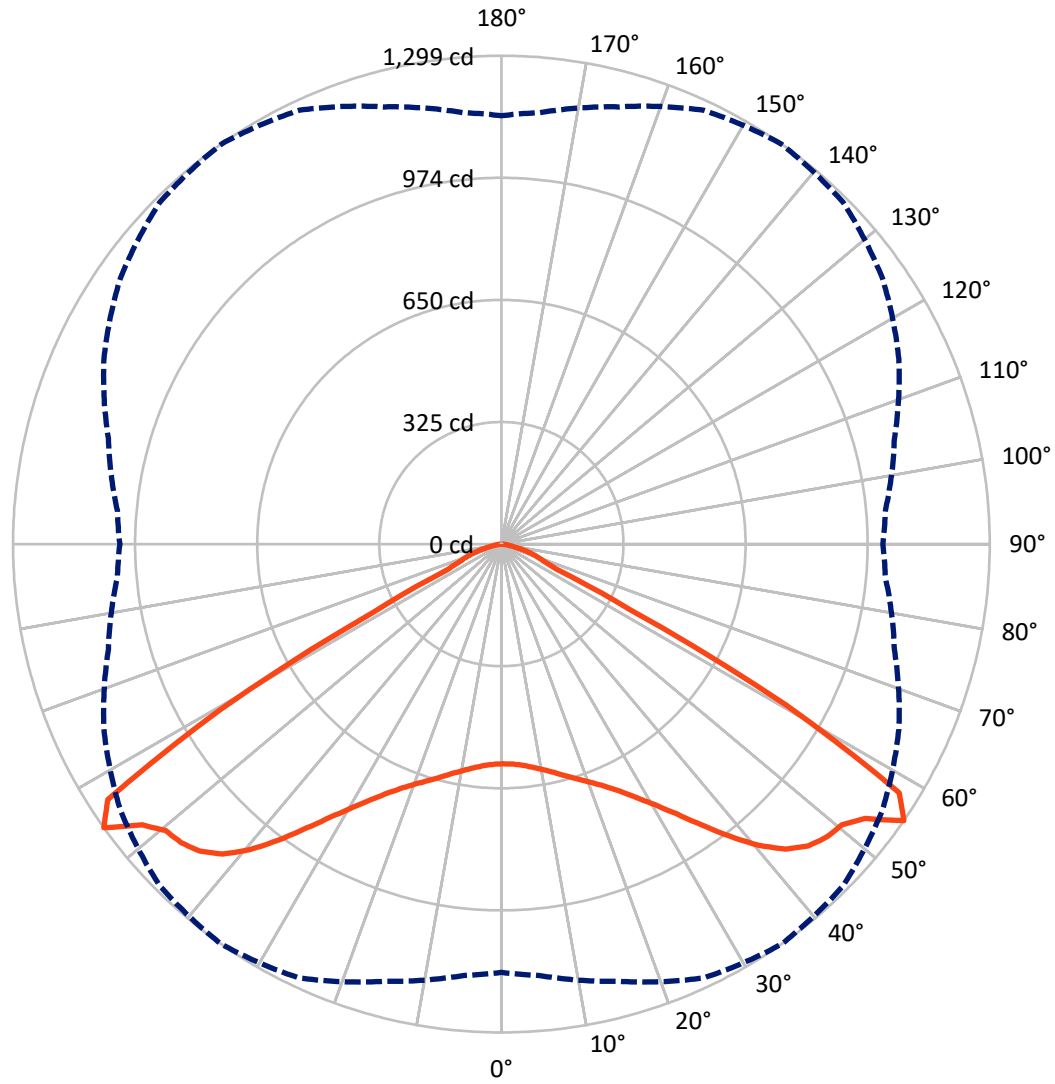
✕ Max cd  
 - - - 1/2 Max cd



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 35-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1624.5	0.0	1624.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1624.5	0.0	1624.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3249.1	0.0	3249.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.0	1.8
10°-20°	181.5	5.6
20°-30°	336.0	10.3
30°-40°	562.0	17.3
40°-50°	856.4	26.4
50°-60°	959.3	29.5
60°-70°	227.0	7.0
70°-80°	61.2	1.9
80°-90°	8.8	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°	3249.1	100.0
0°-180°	3249.1	100.0

**Coefficient of Utilization**



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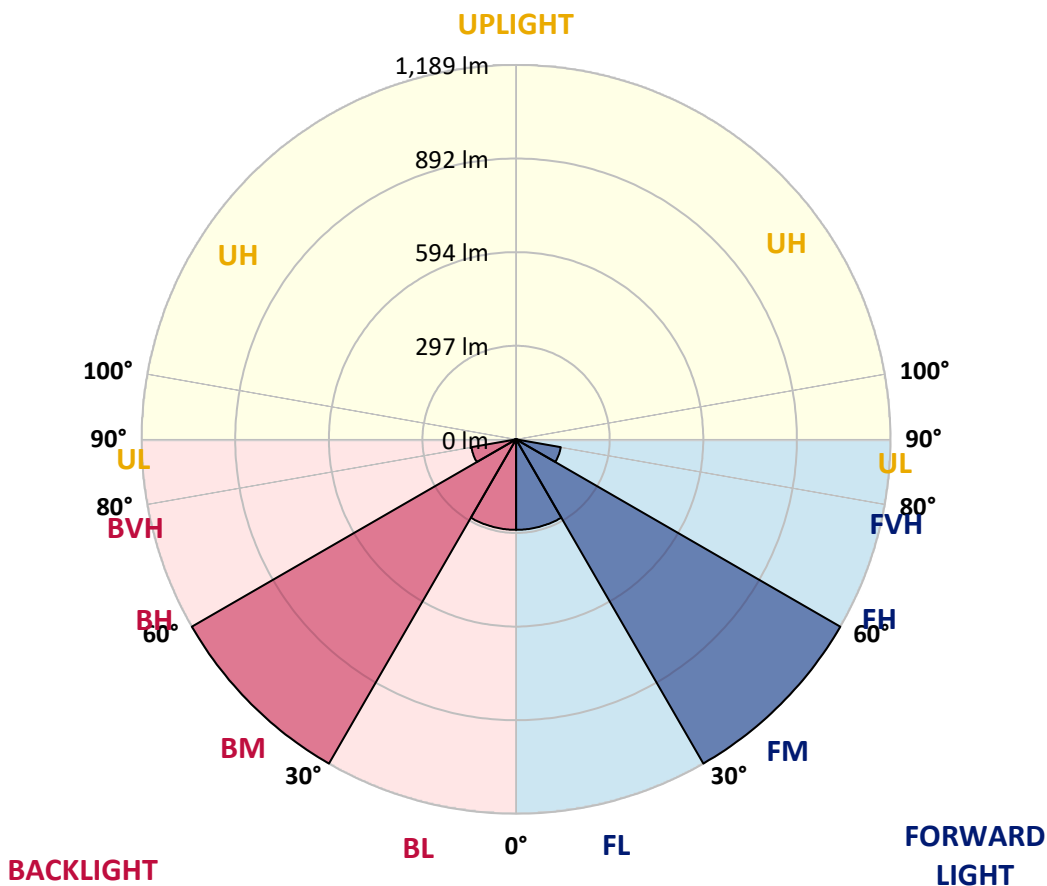
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.2	8.8			
FM (30°-60°)	1188.8	36.6			
FH (60°-80°)	144.1	4.4			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	287.2	8.8	B1/500		
BM (30°-60°)	1188.8	36.6	B2/2500		
BH (60°-80°)	144.1	4.4	B1/500		G0/660
BVH (80°-90°)	4.4	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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	583.2	583.2	584.3	585.5	585.8	588.4	587.9	586.8	586.3	585.3	587.6
5°	589.7	589.9	590.7	591.5	590.9	593.0	592.2	590.9	590.2	588.9	591.2
7.5°	598.1	598.1	598.9	599.9	599.4	602.5	601.0	599.2	597.9	596.3	598.4
10°	605.8	606.4	607.1	609.2	610.2	613.6	612.5	610.0	607.9	606.1	608.4
12.5°	617.4	617.9	618.7	621.5	623.3	626.7	625.1	621.5	618.4	615.9	618.4
15°	632.3	631.8	633.9	637.4	639.8	642.8	641.0	634.9	630.8	627.4	630.0
17.5°	647.5	647.2	649.3	653.9	657.2	661.3	658.3	651.1	646.7	642.6	645.2
20°	663.9	664.7	666.7	671.1	676.0	681.4	678.8	671.1	666.2	661.6	663.7
22.5°	684.2	684.5	686.8	692.4	698.9	704.0	702.5	692.9	686.8	681.9	684.5
25°	708.6	708.4	711.4	718.1	727.1	732.3	728.9	718.4	711.7	706.1	708.1
27.5°	736.6	736.4	741.0	749.7	762.6	769.8	762.8	749.7	740.5	732.5	734.3
30°	771.8	771.1	776.2	788.0	804.7	816.8	806.5	788.3	776.2	767.7	769.5
32.5°	810.9	811.9	818.3	834.3	855.3	871.0	855.6	835.3	819.1	806.8	808.8
35°	853.8	853.8	866.9	886.7	916.7	937.5	913.7	884.4	862.8	845.8	846.3
37.5°	901.6	902.1	919.3	946.5	985.9	1010.3	977.9	941.7	915.5	897.2	896.2
40°	959.9	961.4	979.2	1009.5	1053.7	1076.0	1041.3	1005.9	979.2	957.6	955.5
42.5°	1025.7	1026.2	1044.9	1072.2	1109.4	1122.8	1095.6	1066.5	1044.7	1025.2	1023.1
45°	1088.4	1087.1	1103.3	1123.6	1145.1	1146.4	1131.3	1119.5	1100.4	1083.7	1080.7
47.5°	1137.2	1136.2	1150.8	1161.8	1164.4	1151.8	1156.7	1158.5	1136.4	1113.8	1107.9
50°	1167.0	1169.0	1182.9	1189.1	1173.9	1153.4	1171.9	1167.2	1135.6	1106.1	1096.6
52.5°	1185.0	1188.1	1212.2	1227.9	1212.2	1192.7	1195.3	1168.0	1122.5	1083.5	1071.2
55°	1139.5	1151.8	1204.0	1273.4	1299.1	1285.4	1236.6	1166.5	1082.2	1025.4	1014.9
57.5°	844.5	864.1	941.4	1091.7	1247.9	1297.5	1154.9	977.9	850.2	777.2	771.1
60°	431.1	453.0	514.9	669.3	870.2	940.1	804.5	626.1	497.7	438.6	431.9
62.5°	176.0	179.6	199.9	259.5	384.6	443.7	389.8	273.6	205.5	189.4	189.6
65°	138.5	139.3	138.2	141.8	161.1	178.8	165.2	145.2	141.6	143.4	142.1
67.5°	120.8	121.0	120.2	120.2	121.0	120.2	121.8	122.6	123.1	125.1	123.8
70°	101.0	101.2	101.2	101.7	101.5	100.2	102.5	103.5	103.8	105.1	104.3
72.5°	78.1	78.9	79.4	79.6	79.4	78.6	79.9	81.7	81.4	82.7	81.4
75°	52.9	54.0	54.5	55.5	55.2	55.2	56.8	57.6	56.8	57.8	56.8
77.5°	30.1	30.8	32.4	33.4	34.4	35.2	36.2	36.7	36.5	37.0	36.5
80°	17.5	17.7	19.0	19.5	20.8	22.1	23.1	23.6	23.9	24.2	23.9
82.5°	10.0	10.3	10.8	11.3	12.3	13.4	14.4	15.2	15.2	15.4	15.2
85°	4.9	4.9	5.1	5.4	5.9	6.7	7.5	8.2	8.5	8.5	8.5
87.5°	0.8	0.8	1.0	1.0	1.3	1.5	2.1	2.6	2.8	2.8	2.8
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)