

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: P629328

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522 lumens
Efficiency: N/A
Efficacy: 100.9 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

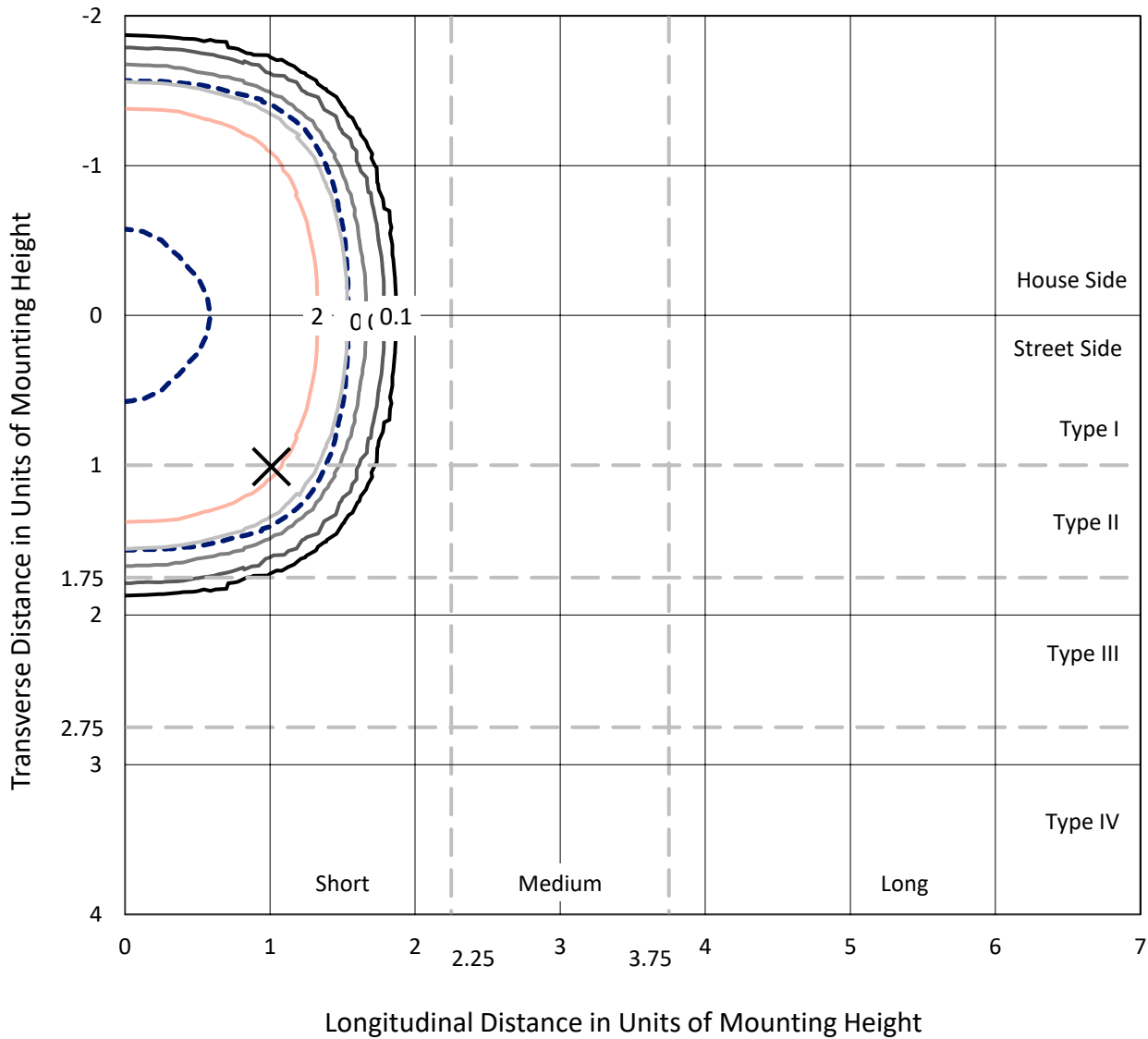


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Iso-Footcandle Lines of Horizontal Illumination

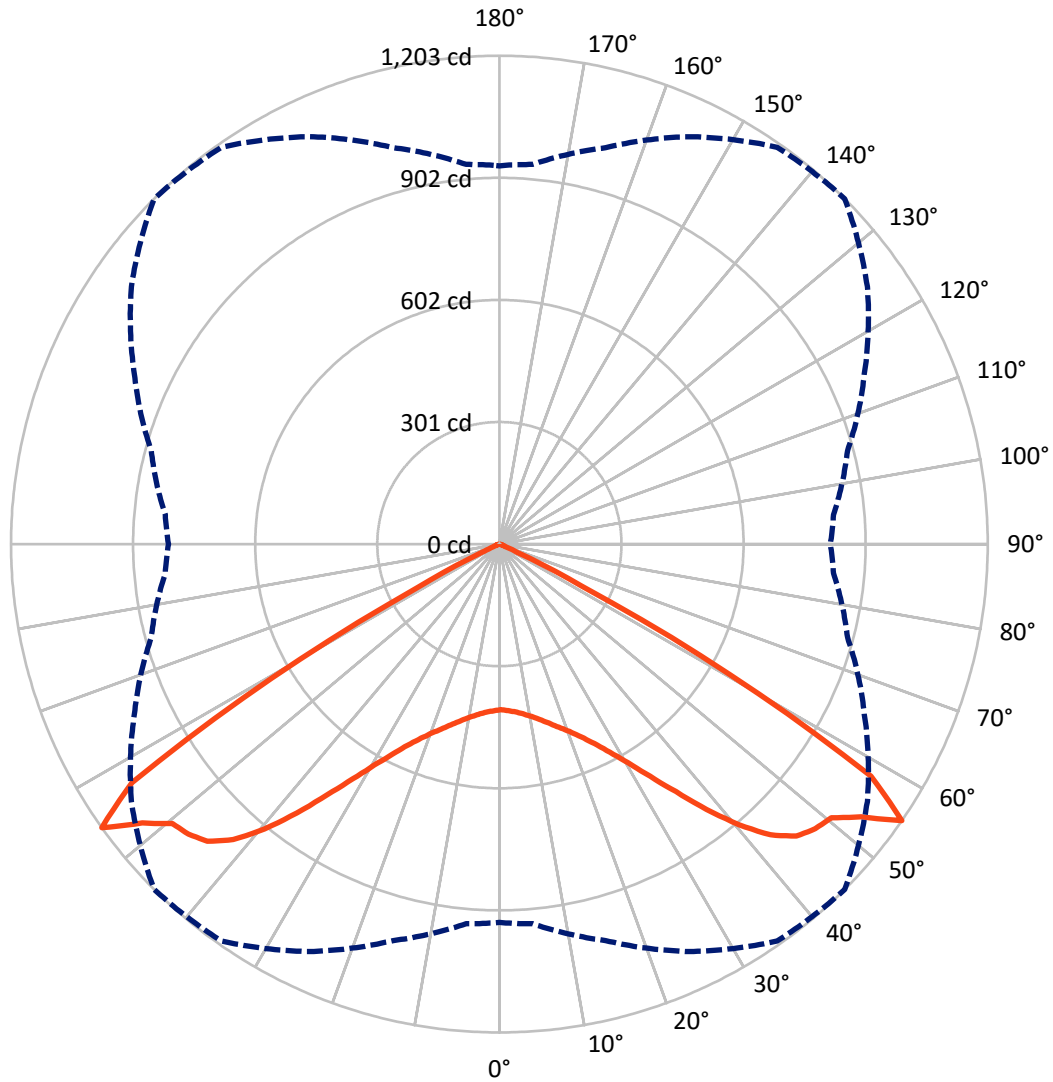
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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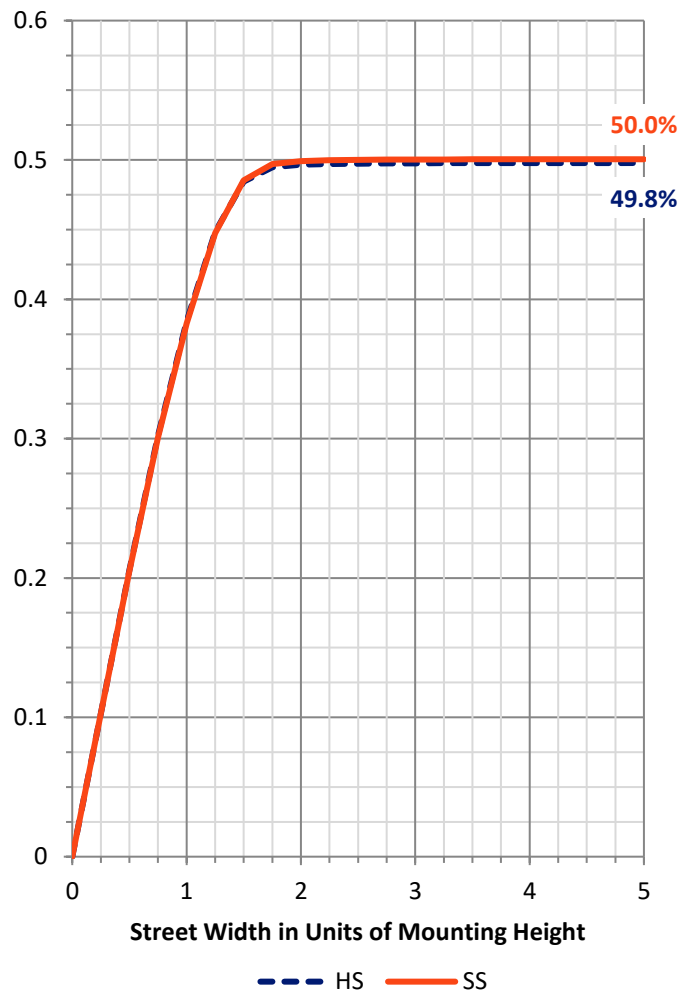
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1261.0	0.0	1261.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1261.0	0.0	1261.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2522.0	0.0	2522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.6
10°-20°	129.5	5.1
20°-30°	250.8	9.9
30°-40°	449.3	17.8
40°-50°	753.3	29.9
50°-60°	806.4	32.0
60°-70°	88.6	3.5
70°-80°	3.9	0.2
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°	2522.0	100.0
0°-180°	2522.0	100.0

Coefficient of Utilization



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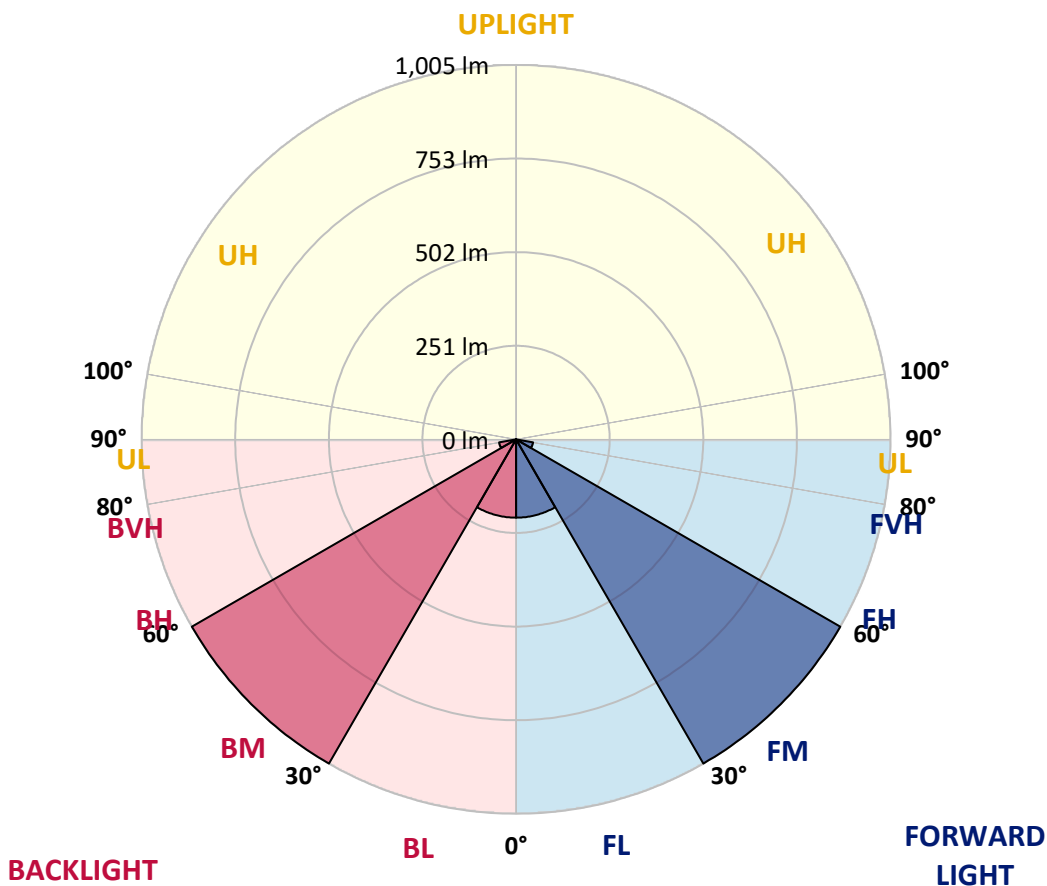
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.1	8.3			
FM (30°-60°)	1004.5	39.8			
FH (60°-80°)	46.3	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	210.1	8.3	B1/500		
BM (30°-60°)	1004.5	39.8	B2/2500		
BH (60°-80°)	46.3	1.8	B0/110		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°	407.8	407.8	407.8	407.8	407.8	407.8	407.8	407.8	407.8	407.8	407.8
2.5°	407.0	407.0	408.0	408.8	408.8	410.8	410.1	409.3	409.3	408.3	410.3
5°	412.9	412.6	413.7	414.2	413.2	415.2	413.9	413.2	412.6	411.6	413.7
7.5°	419.3	419.6	419.8	420.9	420.3	422.4	421.4	419.8	419.3	417.8	419.8
10°	427.0	427.0	427.5	428.8	429.1	431.7	430.6	428.8	427.3	425.7	427.8
12.5°	436.8	437.0	437.8	439.6	440.6	443.5	441.9	438.3	436.0	434.2	436.5
15°	450.9	450.7	451.7	454.3	455.5	457.6	455.3	450.4	447.6	445.5	447.1
17.5°	466.3	466.3	466.9	469.4	471.2	474.3	471.5	465.6	463.0	460.2	461.7
20°	483.3	484.1	484.6	486.4	489.5	492.5	490.2	484.3	481.5	477.9	479.7
22.5°	505.7	504.9	505.1	508.2	512.6	515.7	513.9	506.9	502.1	499.2	500.3
25°	530.6	530.3	531.1	535.7	540.6	543.9	541.4	532.4	527.5	522.6	524.7
27.5°	561.2	561.4	561.9	567.6	575.3	580.2	573.7	564.7	558.1	551.6	553.2
30°	597.4	596.9	598.4	606.1	617.4	625.1	617.7	605.1	595.6	589.4	590.2
32.5°	635.9	636.4	640.5	652.9	667.8	681.4	666.2	649.5	637.2	625.6	627.2
35°	677.5	678.8	688.1	706.3	730.7	749.0	727.9	700.4	682.9	668.0	668.5
37.5°	726.6	729.7	742.5	769.8	804.7	829.1	798.3	761.8	739.2	720.7	719.4
40°	791.1	794.7	812.2	844.6	886.9	909.3	873.6	836.1	808.1	788.0	784.9
42.5°	865.1	869.7	888.7	921.9	964.3	979.4	944.5	912.9	887.7	864.1	863.1
45°	948.6	951.2	966.6	992.0	1022.6	1026.2	1000.0	982.5	957.1	935.0	933.2
47.5°	1027.0	1029.5	1040.1	1053.2	1060.4	1047.5	1042.9	1035.2	1002.3	975.1	969.4
50°	1086.6	1088.6	1101.7	1106.9	1086.8	1059.6	1068.6	1052.2	1016.4	985.9	977.1
52.5°	1082.5	1087.6	1121.3	1150.6	1138.0	1115.9	1091.7	1056.3	1000.8	958.9	948.1
55°	931.9	938.8	1011.0	1107.4	1193.5	1203.0	1106.4	992.0	887.7	826.3	815.3
57.5°	598.9	600.7	688.8	824.0	1018.0	1079.1	917.5	747.9	618.2	550.6	546.0
60°	220.2	216.6	283.1	395.2	586.3	651.1	540.1	378.2	269.8	222.0	218.1
62.5°	52.9	53.4	66.3	99.4	184.0	227.6	179.9	100.5	64.0	53.7	53.2
65°	26.7	26.2	26.5	28.5	39.3	47.0	38.5	27.2	26.2	26.5	26.2
67.5°	17.2	17.0	17.5	17.7	17.5	16.4	16.2	16.7	16.7	17.0	16.4
70°	10.5	10.3	10.8	11.6	11.0	9.8	10.3	10.8	10.3	10.0	10.0
72.5°	5.7	5.7	6.2	6.7	6.2	5.7	5.7	5.9	5.7	5.7	5.7
75°	2.6	2.6	2.8	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	0.8	0.8	1.0	1.0	0.8	0.8	0.8	0.8	1.0	1.0	1.0
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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)