

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: P628945

Luminaire Tested: GWS-SA1A-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2998.7 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

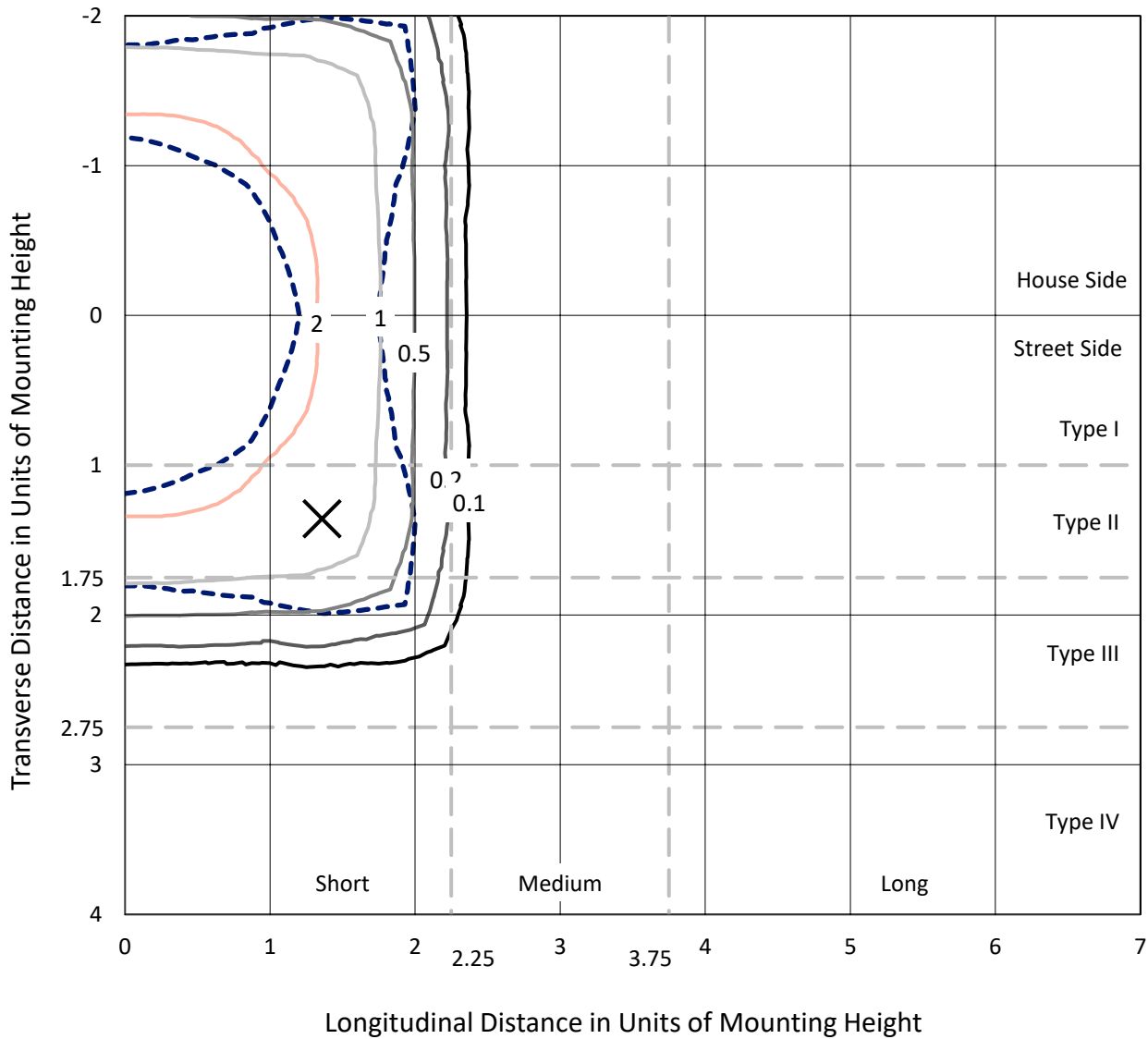
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

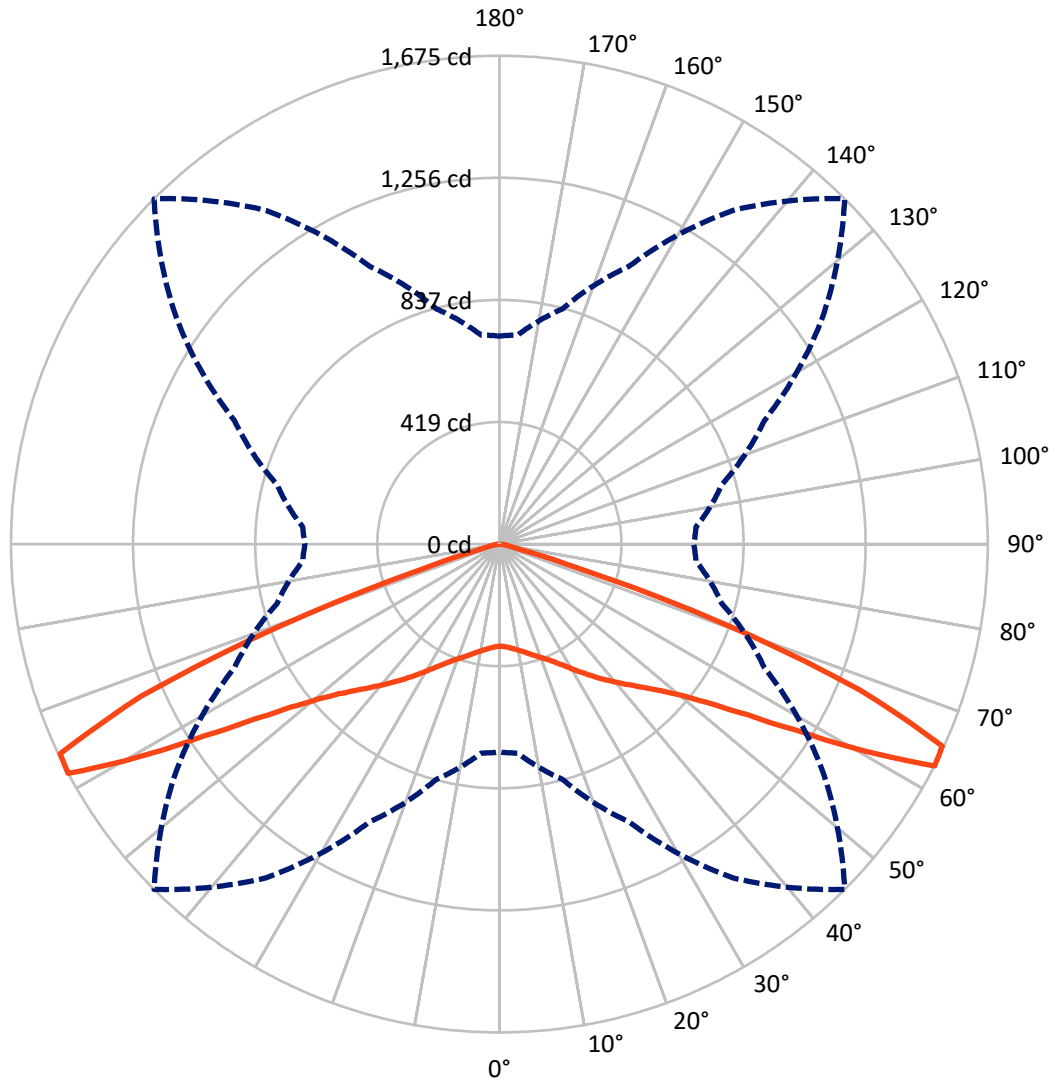
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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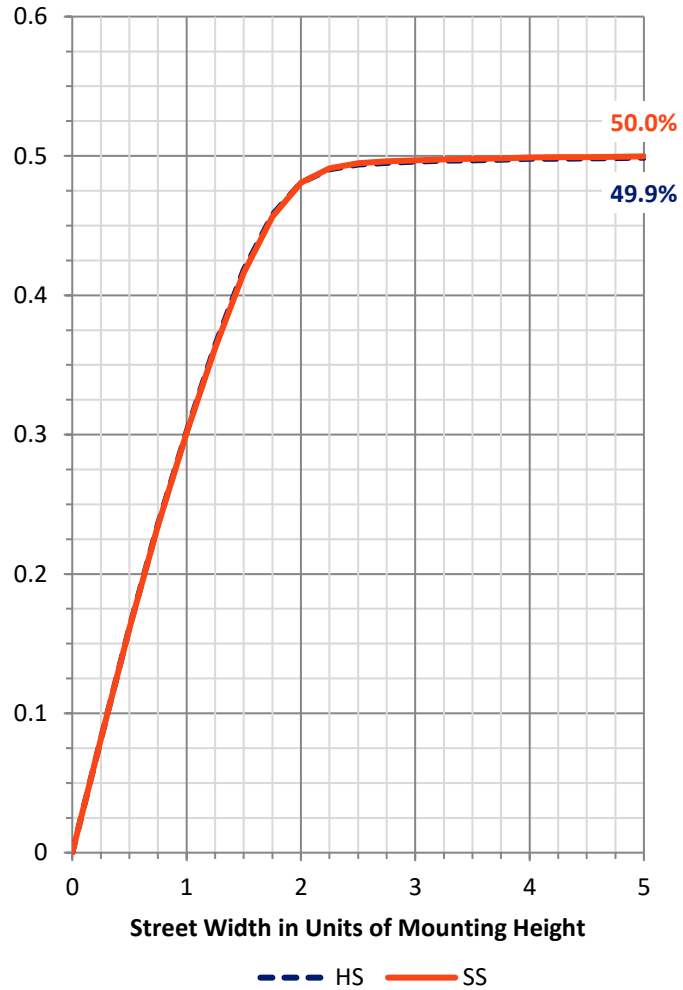
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1499.3	0.0	1499.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1499.3	0.0	1499.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2998.7	0.0	2998.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	1.1
10°-20°	110.7	3.7
20°-30°	209.4	7.0
30°-40°	352.5	11.8
40°-50°	563.1	18.8
50°-60°	907.8	30.3
60°-70°	740.6	24.7
70°-80°	71.9	2.4
80°-90°	8.4	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°	2998.7	100.0
0°-180°	2998.7	100.0

Coefficient of Utilization



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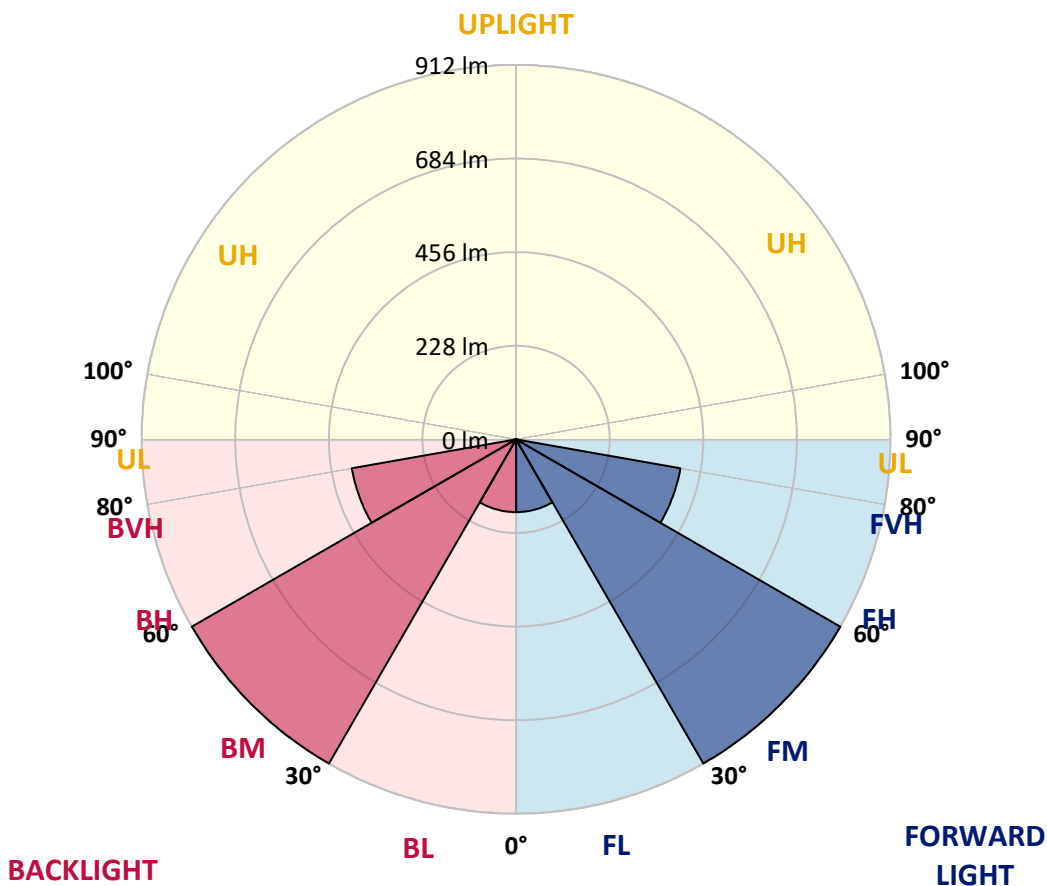
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.2	5.9			
FM (30°-60°)	911.7	30.4			
FH (60°-80°)	406.3	13.5			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	177.2	5.9	B1/500		
BM (30°-60°)	911.7	30.4	B1/1000		
BH (60°-80°)	406.3	13.5	B1/500		G0/660
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	349.8	349.8	349.8	349.8	349.8	349.8	349.8	349.8	349.8	349.8	349.8
2.5°	349.4	349.4	350.3	350.9	350.5	352.1	351.9	351.5	351.3	350.7	352.5
5°	354.2	354.2	354.8	355.4	354.4	356.4	355.6	355.2	355.0	354.2	355.8
7.5°	359.5	360.1	360.3	361.4	360.7	363.0	362.4	361.6	361.2	360.1	361.6
10°	365.5	365.9	366.1	367.9	368.1	370.8	370.2	369.2	368.3	367.3	369.4
12.5°	373.5	373.7	374.3	376.6	377.2	379.2	379.0	377.6	376.6	375.1	377.4
15°	383.8	384.0	385.0	387.3	388.3	390.8	389.9	387.7	386.2	384.6	386.4
17.5°	394.5	395.3	396.3	398.6	400.0	402.9	401.9	399.4	398.2	396.5	397.8
20°	408.2	408.5	409.1	411.5	412.6	415.9	416.1	413.6	413.0	411.3	413.2
22.5°	423.5	423.7	424.3	427.0	428.8	430.9	432.1	430.7	429.6	427.6	429.8
25°	440.3	442.4	443.0	446.3	448.4	449.6	451.0	450.4	449.0	446.5	447.5
27.5°	464.0	464.4	465.4	469.1	470.4	471.6	473.0	473.2	471.2	468.3	469.7
30°	490.9	490.7	493.0	495.9	496.9	497.9	500.0	501.2	498.5	495.5	496.9
32.5°	518.5	521.0	523.8	526.5	525.9	526.3	529.6	531.9	528.2	522.6	523.8
35°	549.5	551.2	554.9	558.8	558.0	557.4	559.4	561.7	556.5	549.3	551.2
37.5°	581.4	583.9	589.4	594.2	592.9	590.1	592.3	594.8	589.9	581.6	580.8
40°	617.0	620.9	628.9	632.8	629.5	624.0	627.9	633.9	628.9	619.5	617.2
42.5°	658.7	663.5	671.5	677.5	670.3	661.2	667.8	676.4	675.2	662.7	658.7
45°	710.4	713.5	723.3	726.2	715.5	703.0	714.9	728.1	725.0	711.4	706.3
47.5°	766.5	771.2	779.9	785.2	768.0	752.3	769.0	786.7	783.4	770.6	764.7
50°	838.1	844.3	855.6	860.1	836.2	818.3	839.7	862.2	855.8	838.7	830.9
52.5°	916.0	921.0	940.3	949.4	926.9	907.6	926.3	948.3	934.8	912.1	901.6
55°	984.7	989.7	1018.0	1048.1	1047.0	1033.7	1043.1	1043.6	1006.7	969.3	958.2
57.5°	999.5	1004.5	1058.6	1137.1	1192.7	1208.1	1180.3	1121.9	1029.2	963.5	951.0
60°	920.6	926.1	1012.1	1155.6	1338.3	1441.3	1313.4	1120.3	959.8	871.0	859.1
62.5°	713.3	719.2	834.8	1050.3	1397.1	1674.7	1352.1	1002.4	789.6	677.1	666.6
65°	340.6	340.6	487.4	753.4	1279.9	1669.2	1240.2	741.6	475.3	365.1	356.0
67.5°	84.3	84.7	125.5	293.3	870.6	1332.1	884.8	356.0	167.4	118.5	115.4
70°	52.7	52.4	58.2	79.4	304.6	808.5	361.8	107.4	68.1	60.1	59.6
72.5°	40.9	40.9	43.8	50.8	79.8	275.4	105.5	59.6	49.4	44.4	44.4
75°	32.3	32.3	34.3	38.0	47.1	71.0	56.1	44.2	38.3	35.0	34.6
77.5°	24.1	24.5	26.1	28.6	32.1	39.9	35.6	33.3	29.8	27.4	26.5
80°	15.6	16.2	18.3	19.7	21.0	26.3	23.2	24.3	22.6	19.7	19.3
82.5°	8.4	8.6	11.1	11.5	11.9	14.4	14.8	15.4	16.0	12.5	11.7
85°	3.1	3.1	3.7	4.3	4.7	5.1	7.0	8.6	9.0	7.2	7.0
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.2	2.3	3.7	2.9	2.9
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)