

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: P628833

Luminaire Tested: GWS-SA1A-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628833
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-SA1A-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: 2001.1 lumens
Efficiency: N/A
Efficacy: 101.6 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

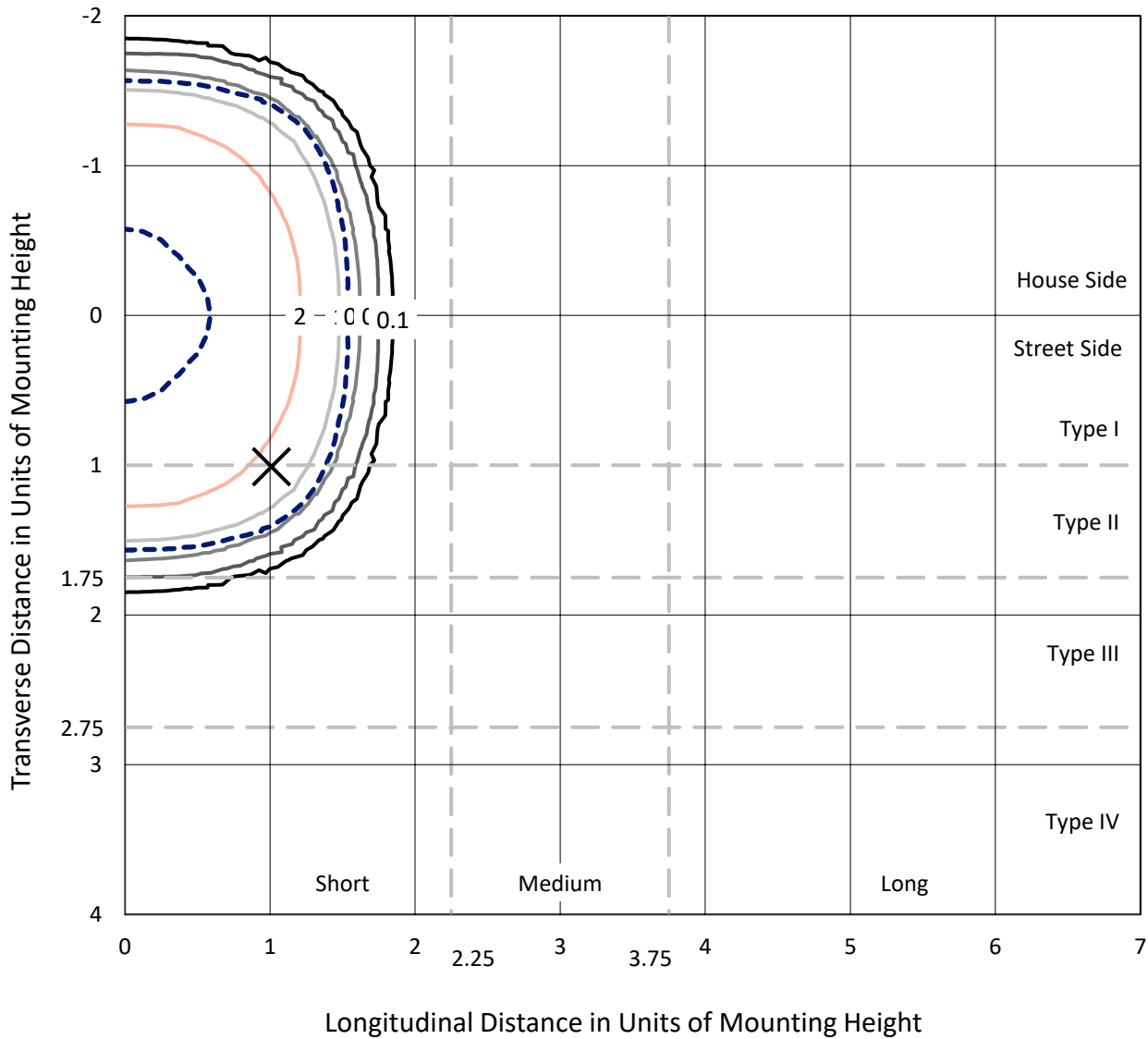


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Iso-Footcandle Lines of Horizontal Illumination

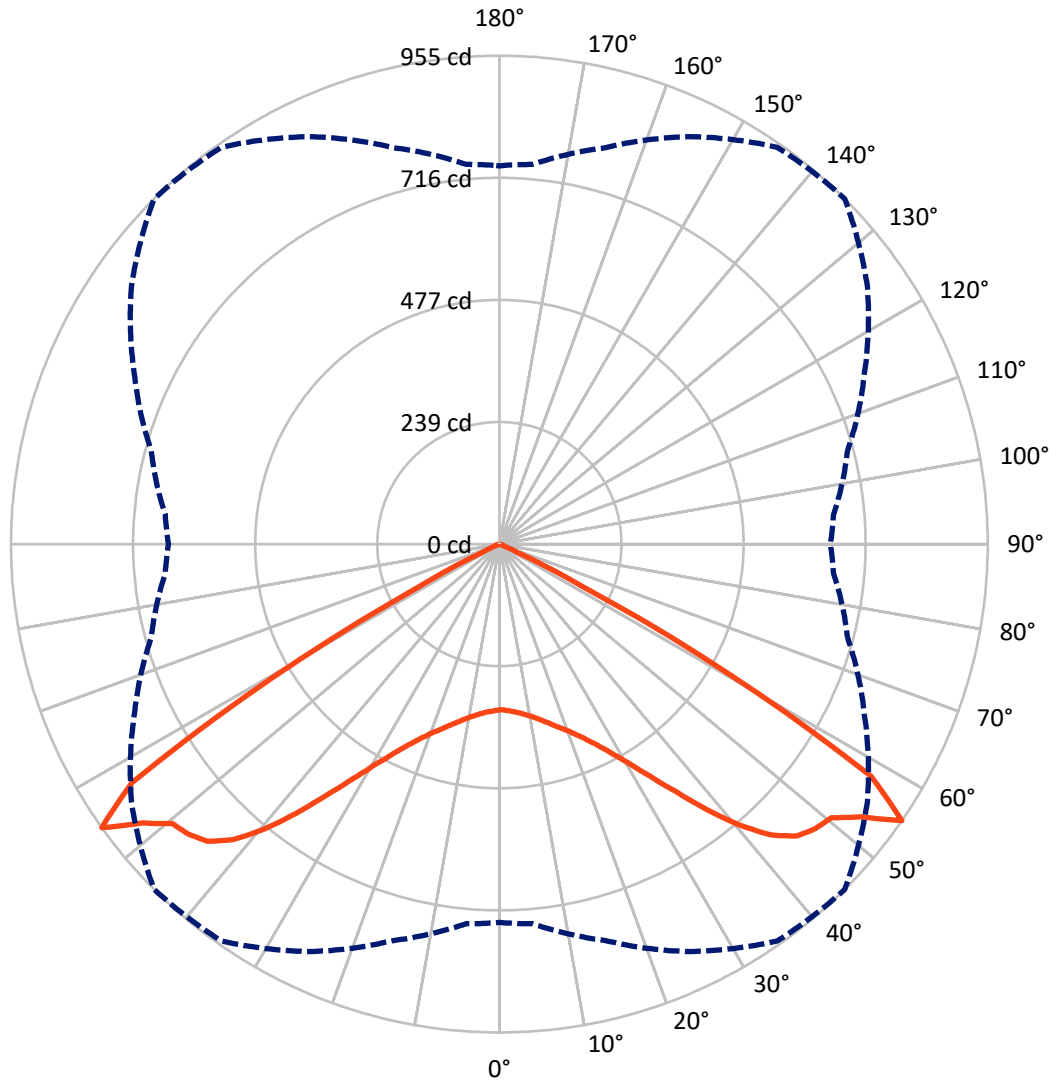
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 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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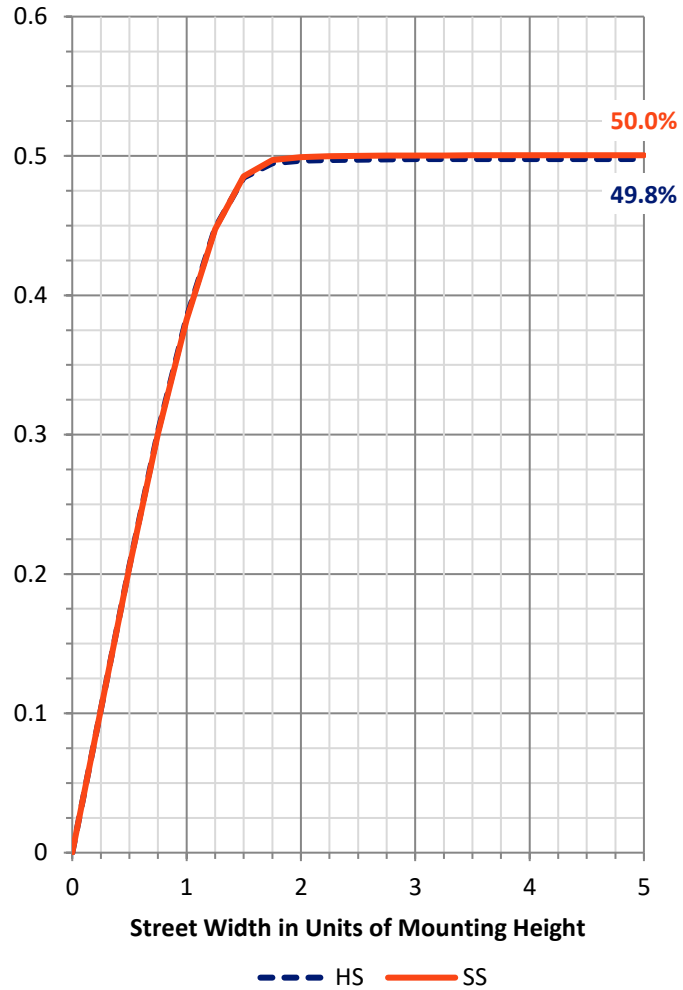
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1000.6	0.0	1000.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1000.6	0.0	1000.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2001.1	0.0	2001.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.6
10°-20°	102.8	5.1
20°-30°	199.0	9.9
30°-40°	356.5	17.8
40°-50°	597.7	29.9
50°-60°	639.8	32.0
60°-70°	70.3	3.5
70°-80°	3.1	0.2
80°-90°	0.1	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°	2001.1	100.0
0°-180°	2001.1	100.0

Coefficient of Utilization



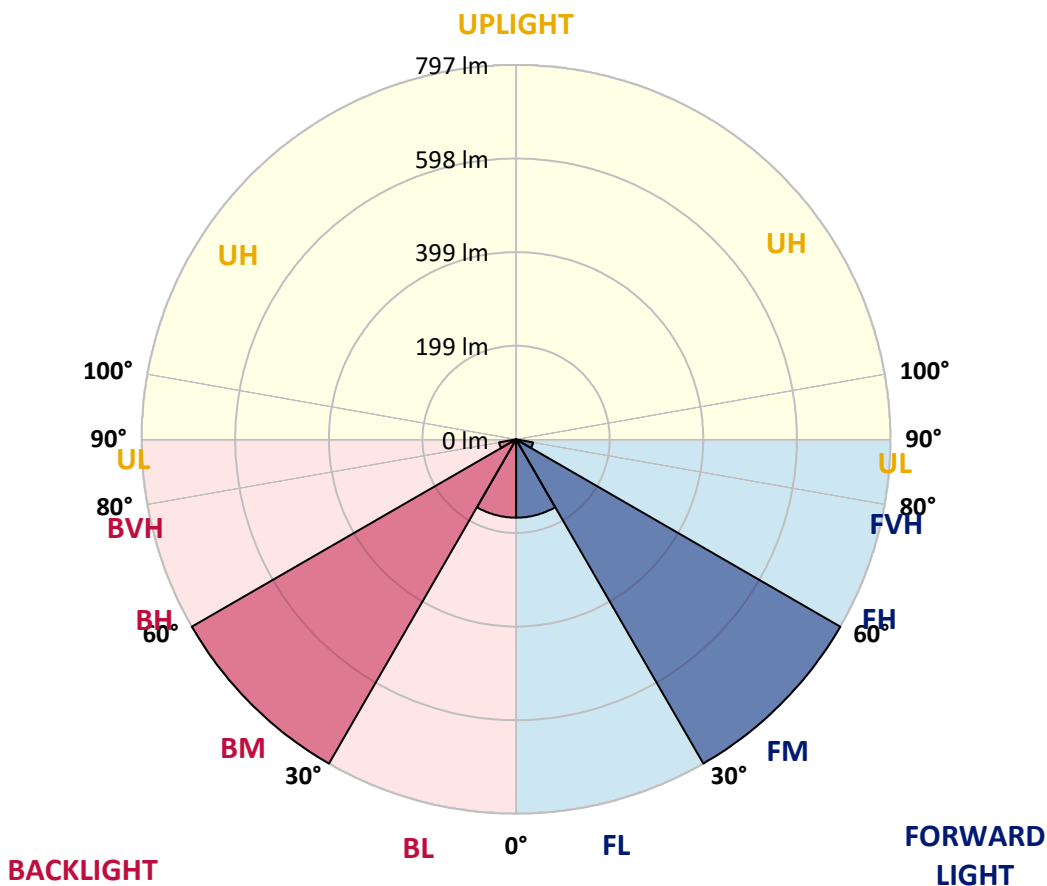
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.7	8.3			
FM (30°-60°)	797.1	39.8			
FH (60°-80°)	36.7	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	166.7	8.3	B1/500		
BM (30°-60°)	797.1	39.8	B1/1000		
BH (60°-80°)	36.7	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: 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°	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5	323.5
2.5°	322.9	322.9	323.7	324.4	324.4	326.0	325.4	324.8	324.8	323.9	325.6
5°	327.6	327.4	328.2	328.6	327.8	329.5	328.4	327.8	327.4	326.6	328.2
7.5°	332.7	332.9	333.1	333.9	333.5	335.2	334.3	333.1	332.7	331.5	333.1
10°	338.8	338.8	339.2	340.3	340.5	342.5	341.7	340.3	339.0	337.8	339.4
12.5°	346.6	346.8	347.4	348.8	349.6	351.9	350.7	347.8	346.0	344.5	346.4
15°	357.8	357.6	358.4	360.4	361.5	363.1	361.3	357.4	355.1	353.5	354.7
17.5°	370.0	370.0	370.4	372.5	373.9	376.3	374.1	369.4	367.4	365.1	366.4
20°	383.5	384.1	384.5	385.9	388.4	390.8	389.0	384.3	382.0	379.2	380.6
22.5°	401.2	400.6	400.8	403.3	406.7	409.2	407.7	402.2	398.4	396.1	396.9
25°	421.0	420.8	421.4	425.1	428.9	431.6	429.6	422.4	418.5	414.7	416.3
27.5°	445.2	445.5	445.9	450.3	456.5	460.3	455.2	448.1	442.8	437.7	438.9
30°	474.0	473.6	474.8	480.9	489.9	496.0	490.1	480.1	472.6	467.7	468.3
32.5°	504.6	505.0	508.2	518.0	529.9	540.7	528.6	515.4	505.6	496.4	497.6
35°	537.6	538.6	546.0	560.4	579.8	594.3	577.6	555.7	541.9	530.1	530.5
37.5°	576.5	579.0	589.2	610.8	638.5	657.9	633.4	604.5	586.5	571.9	570.8
40°	627.7	630.6	644.4	670.1	703.8	721.5	693.2	663.4	641.2	625.3	622.8
42.5°	686.4	690.1	705.2	731.5	765.1	777.1	749.4	724.3	704.4	685.6	684.8
45°	752.7	754.7	767.0	787.1	811.4	814.3	793.5	779.6	759.4	741.9	740.5
47.5°	814.9	816.9	825.3	835.7	841.4	831.2	827.5	821.4	795.3	773.7	769.2
50°	862.2	863.8	874.2	878.3	862.4	840.8	847.9	834.8	806.5	782.2	775.3
52.5°	858.9	863.0	889.7	912.9	902.9	885.4	866.2	838.1	794.1	760.8	752.3
55°	739.4	744.9	802.2	878.7	947.0	954.5	877.9	787.1	704.4	655.6	646.9
57.5°	475.2	476.6	546.6	653.8	807.7	856.2	728.0	593.5	490.5	436.9	433.2
60°	174.7	171.9	224.7	313.5	465.2	516.6	428.5	300.1	214.1	176.1	173.1
62.5°	42.0	42.4	52.6	78.9	146.0	180.6	142.7	79.7	50.8	42.6	42.2
65°	21.2	20.8	21.0	22.6	31.2	37.3	30.6	21.6	20.8	21.0	20.8
67.5°	13.7	13.5	13.9	14.1	13.9	13.0	12.8	13.3	13.3	13.5	13.0
70°	8.4	8.2	8.6	9.2	8.8	7.7	8.2	8.6	8.2	8.0	8.0
72.5°	4.5	4.5	4.9	5.3	4.9	4.5	4.5	4.7	4.5	4.5	4.5
75°	2.0	2.0	2.2	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
80°	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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)