

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: P628835

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628835
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-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2972.3 lumens
Efficiency: N/A
Efficacy: 150.9 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

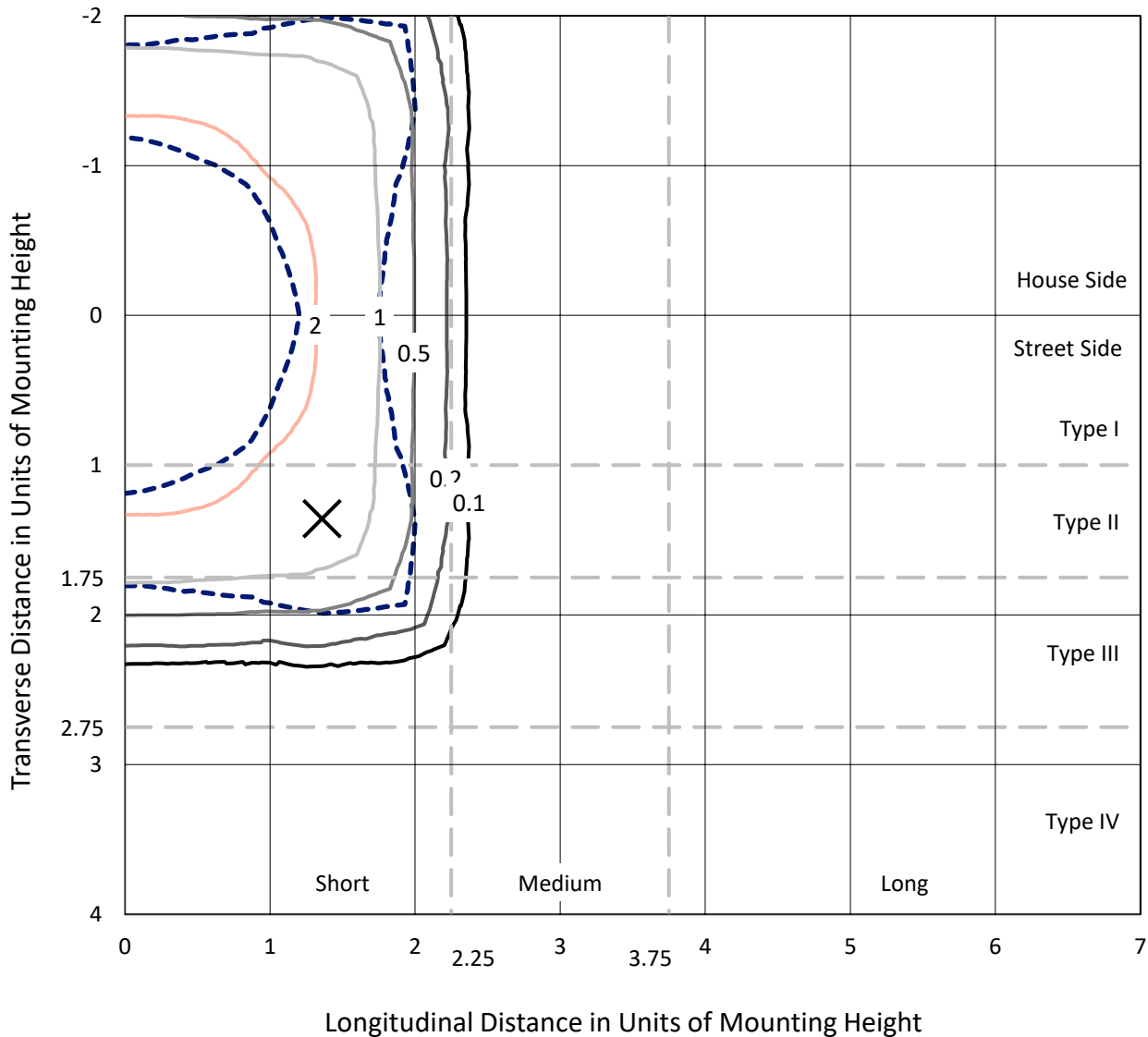
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

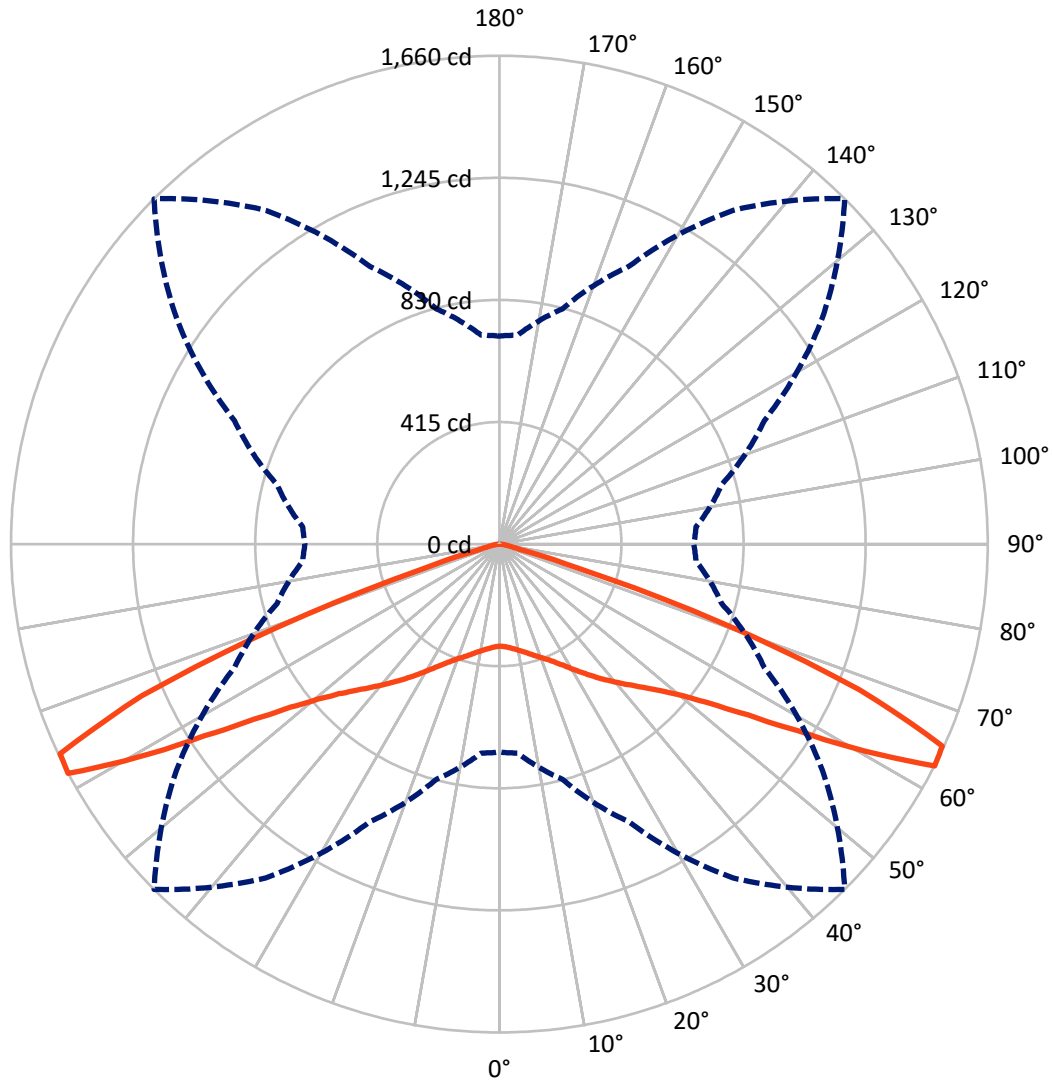
✕ Max cd
 - - - 1/2 Max cd



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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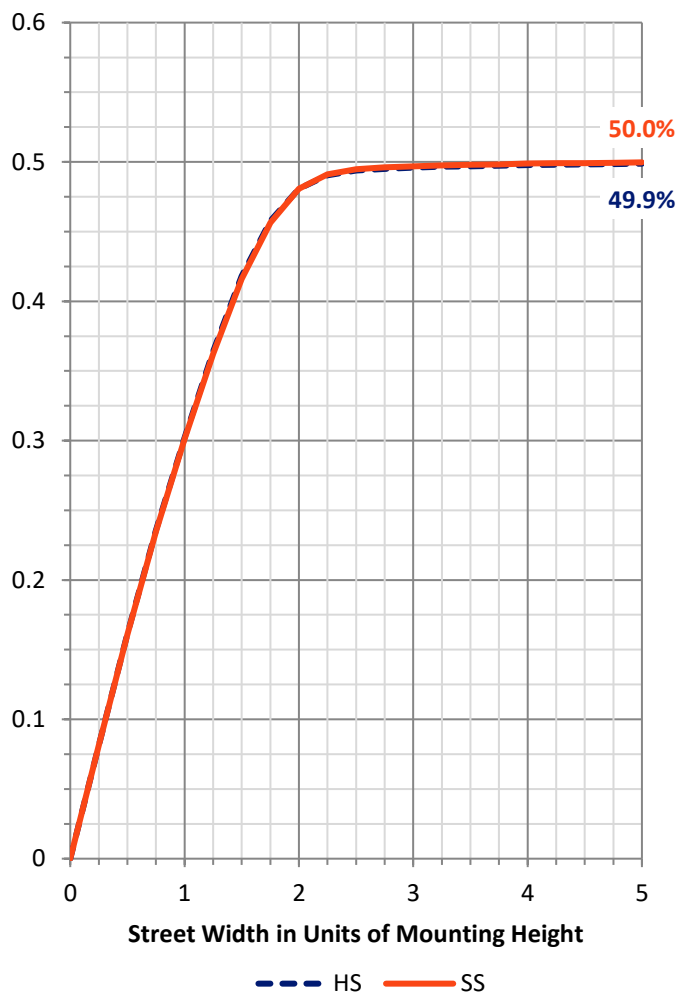
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1486.2	0.0	1486.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1486.2	0.0	1486.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2972.3	0.0	2972.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.1
10°-20°	109.7	3.7
20°-30°	207.6	7.0
30°-40°	349.4	11.8
40°-50°	558.2	18.8
50°-60°	899.8	30.3
60°-70°	734.1	24.7
70°-80°	71.3	2.4
80°-90°	8.3	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°	2972.3	100.0
0°-180°	2972.3	100.0

Coefficient of Utilization



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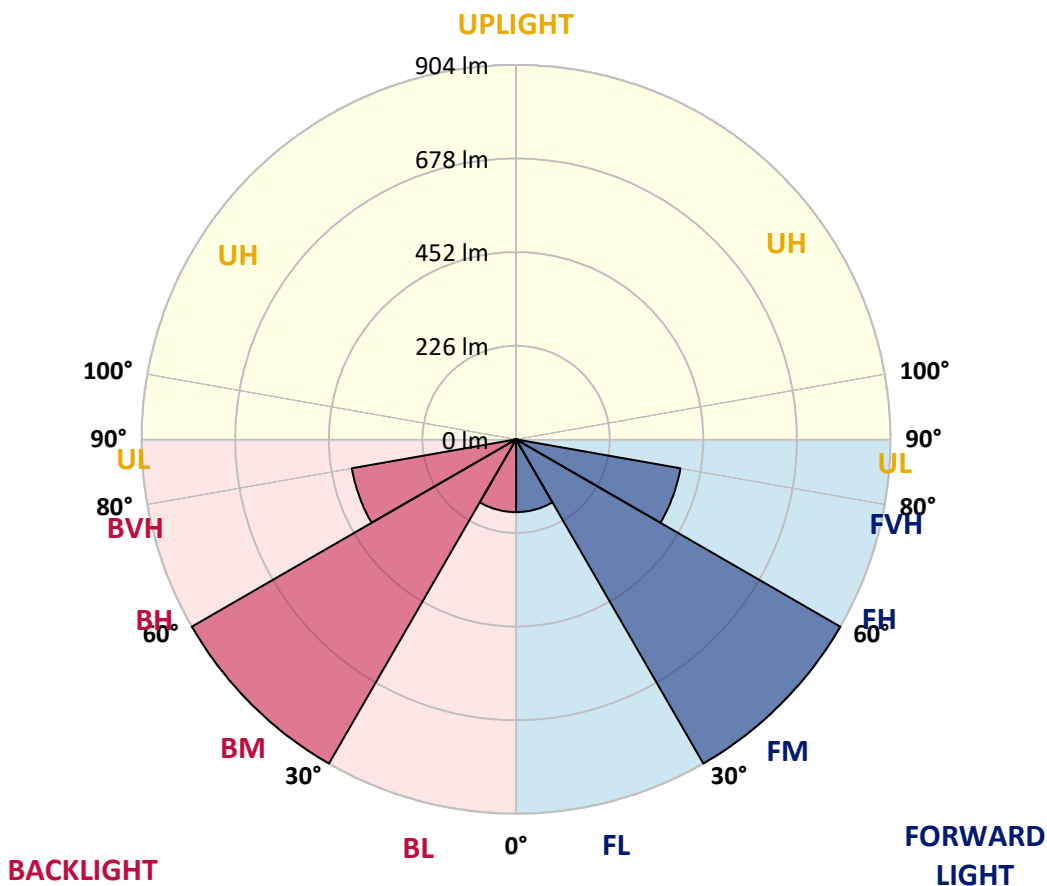
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.7	5.9			
FM (30°-60°)	903.7	30.4			
FH (60°-80°)	402.7	13.5			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	175.7	5.9	B1/500		
BM (30°-60°)	903.7	30.4	B1/1000		
BH (60°-80°)	402.7	13.5	B1/500		G0/660
BVH (80°-90°)	4.1	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°	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8	346.8
2.5°	346.4	346.4	347.2	347.8	347.4	349.0	348.8	348.4	348.2	347.6	349.4
5°	351.0	351.0	351.7	352.3	351.2	353.3	352.5	352.1	351.9	351.0	352.7
7.5°	356.3	357.0	357.2	358.2	357.6	359.8	359.2	358.4	358.0	357.0	358.4
10°	362.3	362.7	362.9	364.7	364.9	367.6	366.9	365.9	365.1	364.1	366.1
12.5°	370.2	370.4	371.0	373.3	373.9	375.9	375.7	374.3	373.3	371.8	374.1
15°	380.4	380.6	381.6	383.9	384.9	387.3	386.5	384.3	382.8	381.2	383.0
17.5°	391.0	391.8	392.8	395.1	396.5	399.4	398.3	395.9	394.7	393.0	394.3
20°	404.7	404.9	405.5	407.9	408.9	412.2	412.4	410.0	409.3	407.7	409.5
22.5°	419.7	419.9	420.6	423.2	425.0	427.1	428.3	426.9	425.9	423.8	426.1
25°	436.5	438.5	439.1	442.4	444.4	445.6	447.1	446.4	445.0	442.6	443.6
27.5°	459.9	460.3	461.3	465.0	466.2	467.4	468.9	469.1	467.0	464.2	465.6
30°	486.6	486.4	488.6	491.5	492.5	493.5	495.6	496.8	494.1	491.1	492.5
32.5°	513.9	516.4	519.2	521.9	521.3	521.7	524.9	527.2	523.5	518.0	519.2
35°	544.7	546.3	550.0	553.9	553.1	552.4	554.5	556.7	551.6	544.5	546.3
37.5°	576.3	578.7	584.3	588.9	587.7	584.9	587.1	589.6	584.7	576.5	575.7
40°	611.6	615.4	623.4	627.3	624.0	618.5	622.4	628.3	623.4	614.0	611.8
42.5°	653.0	657.6	665.6	671.5	664.4	655.4	661.9	670.5	669.3	656.8	653.0
45°	704.1	707.2	717.0	719.8	709.2	696.8	708.6	721.6	718.6	705.1	700.0
47.5°	759.8	764.5	773.0	778.3	761.2	745.7	762.2	779.7	776.5	763.8	757.9
50°	830.7	836.8	848.0	852.5	828.9	811.1	832.3	854.6	848.2	831.3	823.6
52.5°	908.0	912.9	932.0	941.0	918.8	899.6	918.2	940.0	926.5	904.1	893.7
55°	976.1	981.0	1009.1	1038.8	1037.8	1024.6	1034.0	1034.4	997.9	960.8	949.8
57.5°	990.7	995.6	1049.2	1127.1	1182.2	1197.4	1169.9	1112.0	1020.1	955.1	942.6
60°	912.5	918.0	1003.2	1145.5	1326.5	1428.6	1301.8	1110.4	951.4	863.3	851.5
62.5°	707.0	712.9	827.5	1041.1	1384.8	1660.0	1340.1	993.6	782.6	671.1	660.7
65°	337.6	337.6	483.1	746.7	1268.6	1654.5	1229.3	735.1	471.1	361.8	352.9
67.5°	83.6	84.0	124.4	290.7	862.9	1320.4	877.0	352.9	165.9	117.4	114.4
70°	52.2	52.0	57.7	78.7	301.9	801.4	358.6	106.4	67.5	59.5	59.1
72.5°	40.6	40.6	43.4	50.4	79.1	273.0	104.6	59.1	48.9	44.0	44.0
75°	32.0	32.0	34.0	37.7	46.7	70.3	55.7	43.8	37.9	34.7	34.2
77.5°	23.9	24.3	25.9	28.3	31.8	39.5	35.3	33.0	29.6	27.1	26.3
80°	15.5	16.1	18.1	19.6	20.8	26.1	23.0	24.1	22.4	19.6	19.2
82.5°	8.4	8.6	11.0	11.4	11.8	14.3	14.7	15.3	15.9	12.4	11.6
85°	3.1	3.1	3.7	4.3	4.7	5.1	6.9	8.6	9.0	7.1	6.9
87.5°	0.6	0.6	0.6	0.4	0.4	0.4	1.2	2.2	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)