

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: P629278

Luminaire Tested: GWS-SA1B-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3583.7 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

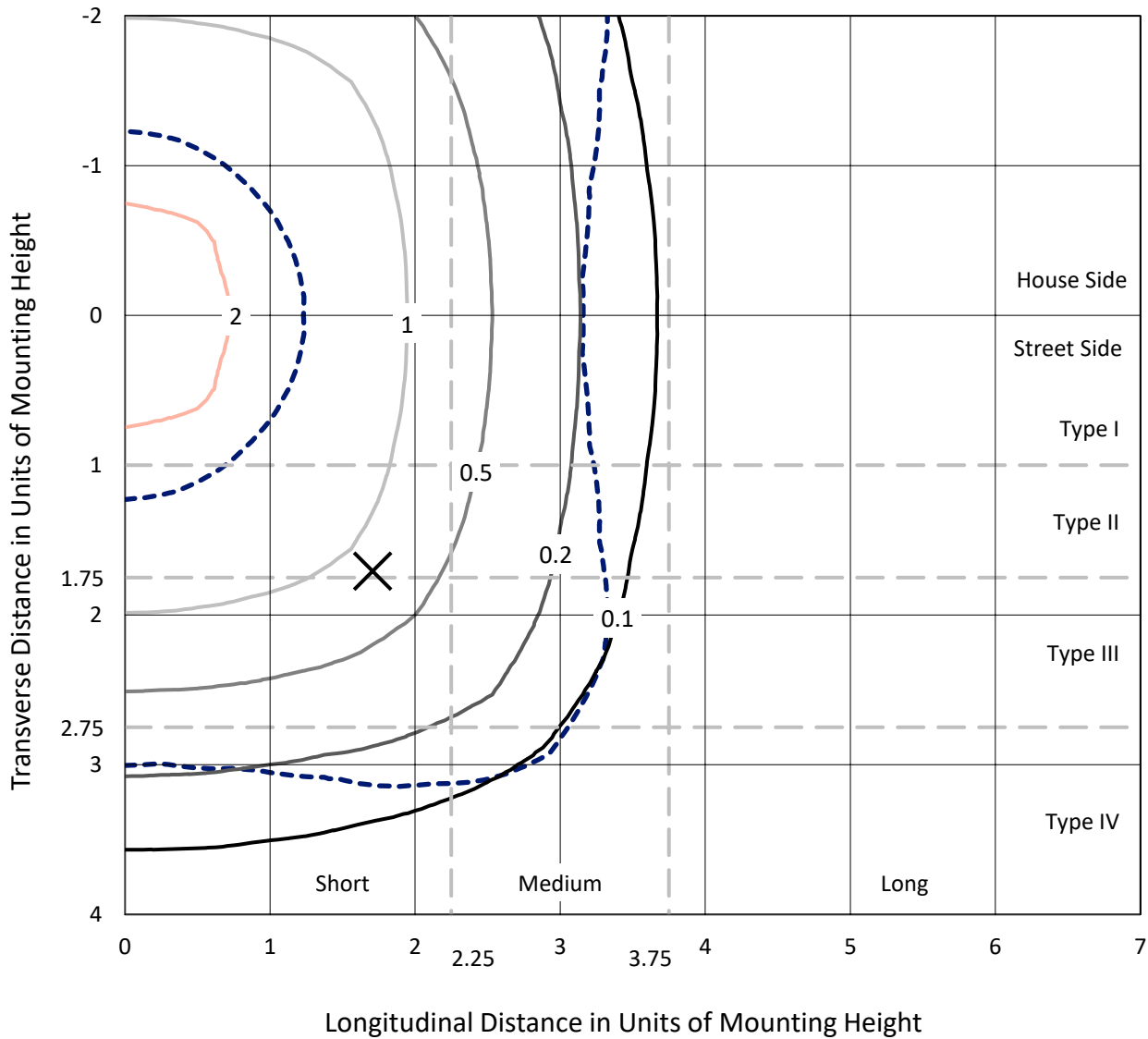
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

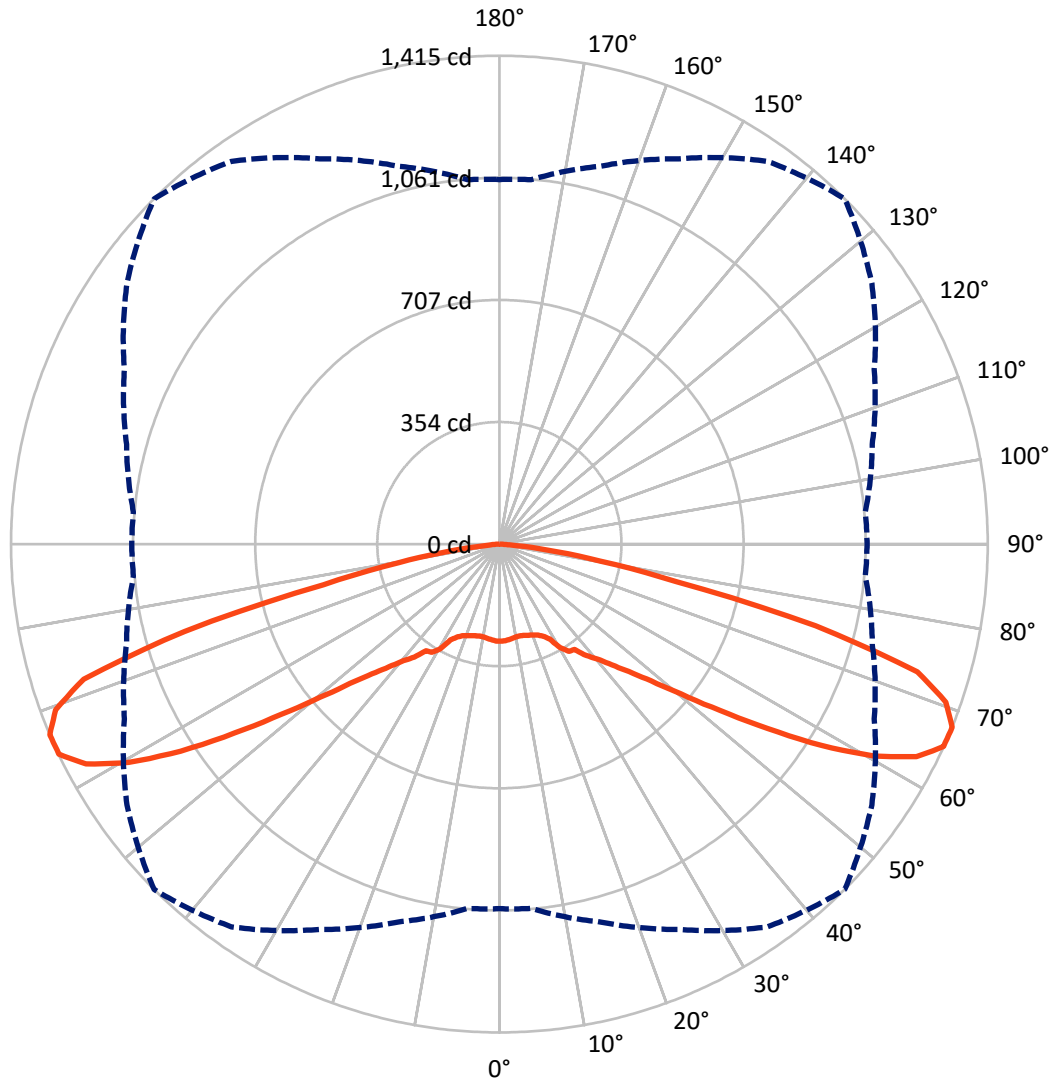
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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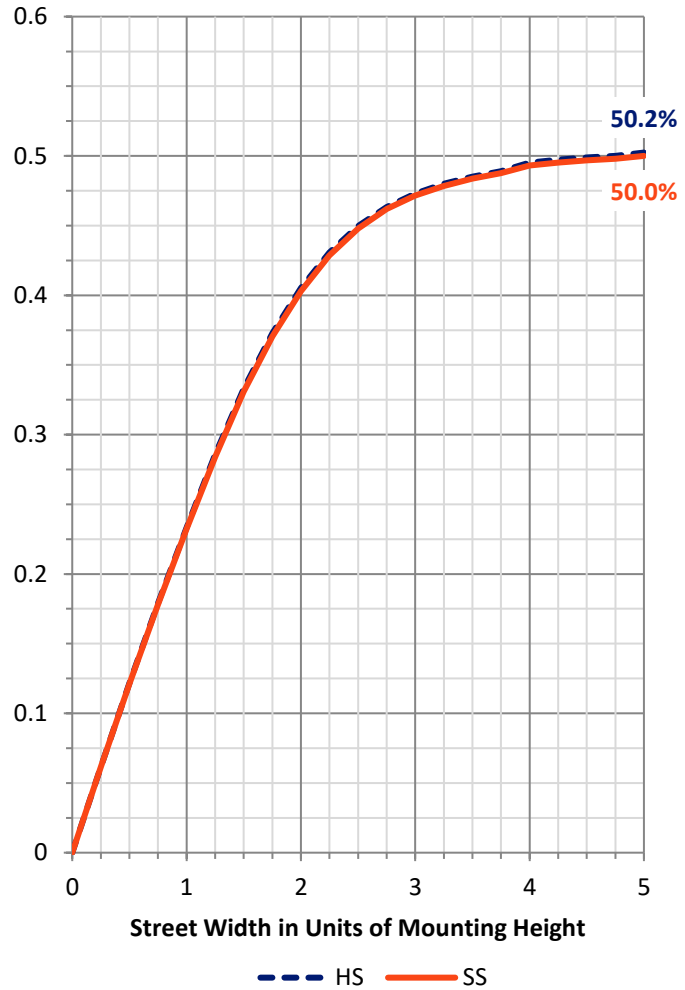
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1791.9	0.0	1791.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1791.9	0.0	1791.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3583.7	0.0	3583.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	0.7
10°-20°	78.3	2.2
20°-30°	140.5	3.9
30°-40°	237.3	6.6
40°-50°	416.9	11.6
50°-60°	804.3	22.4
60°-70°	1166.9	32.6
70°-80°	667.6	18.6
80°-90°	45.6	1.3
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°	3583.7	100.0
0°-180°	3583.7	100.0

Coefficient of Utilization



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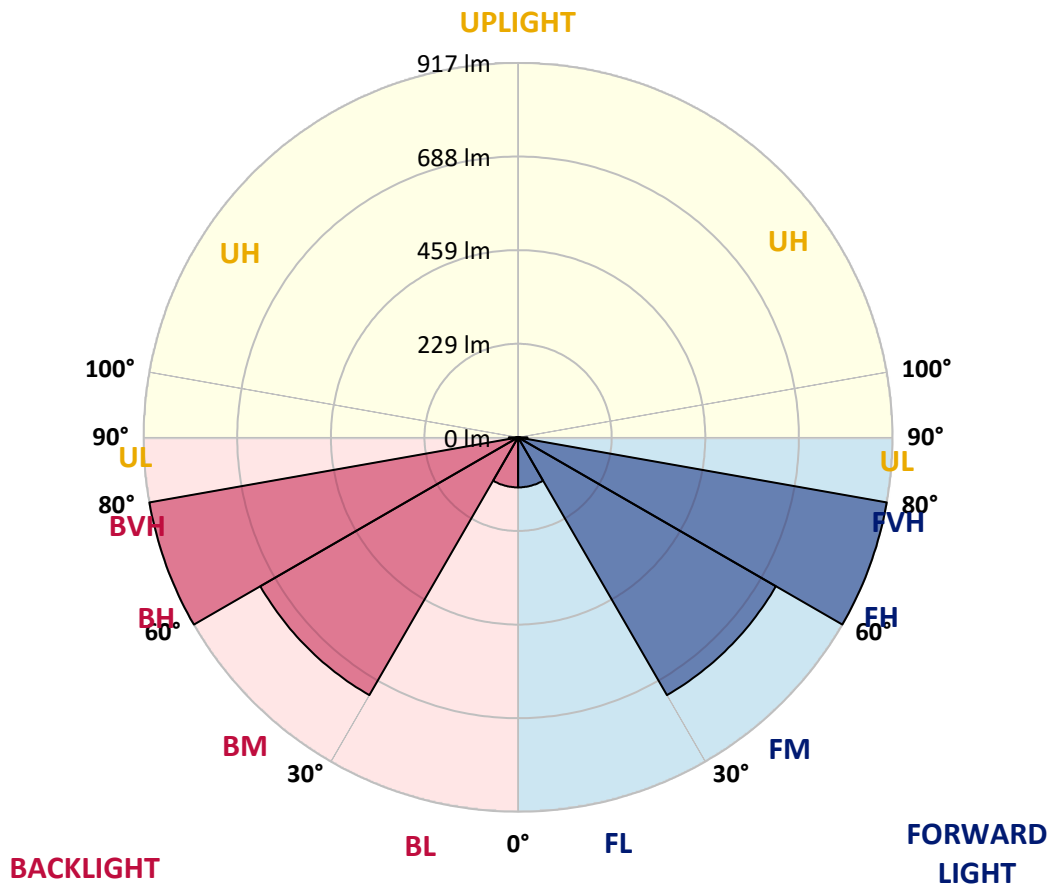
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	122.6	3.4			
FM (30°-60°)	729.2	20.3			
FH (60°-80°)	917.2	25.6			G1/1800
FVH (80°-90°)	22.8	0.6			G1/100
BL (0°-30°)	122.6	3.4	B1/500		
BM (30°-60°)	729.2	20.3	B1/1000		
BH (60°-80°)	917.2	25.6	B2/1000		G1/1800
BVH (80°-90°)	22.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0	281.0
2.5°	278.8	279.0	279.5	279.5	280.0	280.8	281.0	280.5	280.8	279.5	280.8
5°	278.0	278.2	278.5	278.0	278.0	278.2	278.2	277.7	278.0	276.7	278.0
7.5°	276.2	276.5	276.5	275.7	275.0	275.5	275.5	275.0	275.2	273.9	275.5
10°	274.7	274.7	274.4	272.9	272.2	272.9	273.2	273.4	274.4	273.4	275.2
12.5°	275.7	275.7	275.0	272.9	271.7	272.2	272.7	273.2	275.0	274.7	276.7
15°	278.5	278.8	276.7	274.4	273.7	274.4	273.9	273.7	276.0	276.7	279.0
17.5°	280.8	280.8	278.2	276.0	276.2	277.5	276.5	275.2	277.5	279.0	281.5
20°	282.8	282.6	279.8	278.2	279.3	281.0	280.3	278.5	280.0	281.8	284.1
22.5°	287.9	287.6	284.6	283.8	284.8	286.6	285.9	284.3	286.1	288.6	291.4
25°	302.3	301.8	297.3	294.7	294.2	295.5	295.2	294.7	297.5	300.5	303.8
27.5°	321.6	321.3	318.0	315.5	312.2	311.2	312.0	314.2	318.3	320.6	323.4
30°	331.2	331.2	330.7	334.8	341.9	348.7	343.4	334.8	331.2	330.2	333.0
32.5°	343.9	345.1	343.4	347.9	359.8	370.0	359.8	345.9	343.4	343.4	346.4
35°	373.0	373.5	370.7	370.0	373.8	375.1	370.2	365.2	368.0	368.5	372.3
37.5°	396.3	396.3	395.1	397.1	405.0	409.8	401.9	392.8	393.6	394.1	398.9
40°	432.3	433.3	430.3	430.0	433.1	437.4	429.0	423.2	427.3	428.5	435.9
42.5°	477.2	477.2	472.6	471.3	473.4	477.9	470.1	466.3	471.6	472.6	476.9
45°	530.6	531.9	525.8	523.6	524.6	526.1	520.5	518.7	523.8	526.1	533.7
47.5°	595.8	597.0	591.7	591.5	590.5	591.5	586.1	585.1	589.2	587.4	595.5
50°	676.1	678.4	673.8	680.2	679.4	682.4	675.1	669.8	669.8	665.0	669.5
52.5°	766.1	770.6	772.9	783.6	791.7	799.3	787.1	778.7	766.6	756.7	769.1
55°	864.1	862.9	877.3	900.6	924.5	942.4	918.6	892.3	872.5	852.0	856.8
57.5°	950.0	954.4	973.4	1015.9	1063.1	1101.1	1058.3	1007.6	962.7	933.3	937.4
60°	1021.5	1025.1	1050.4	1111.7	1194.1	1246.5	1178.6	1095.0	1029.9	989.3	993.6
62.5°	1087.4	1090.7	1116.3	1183.9	1287.8	1356.3	1268.6	1154.3	1081.8	1041.0	1043.6
65°	1125.4	1127.4	1162.4	1233.6	1343.1	1413.8	1315.0	1197.1	1125.9	1084.4	1085.9
67.5°	1056.2	1059.5	1133.3	1231.6	1353.7	1414.8	1317.0	1198.4	1118.3	1064.1	1065.3
70°	833.2	830.4	918.4	1087.4	1292.7	1372.2	1258.4	1108.4	984.8	909.0	907.7
72.5°	635.3	636.1	685.0	800.8	1053.9	1266.3	1110.5	892.5	759.2	701.7	699.4
75°	460.7	467.8	507.6	592.5	737.2	946.5	836.0	661.4	572.2	537.7	532.7
77.5°	207.5	216.7	272.2	372.0	492.9	523.0	525.1	449.0	338.8	281.5	272.7
80°	60.6	64.9	83.4	142.7	229.6	296.7	235.7	198.2	123.4	96.8	92.2
82.5°	25.6	29.1	35.7	39.5	66.6	137.6	85.7	54.5	50.7	41.1	37.5
85°	10.9	11.7	15.0	16.0	21.5	29.4	27.1	24.6	23.6	18.2	16.7
87.5°	4.6	4.6	4.6	4.1	3.8	4.1	5.6	7.1	9.4	7.3	6.8
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)