

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: P629930

Luminaire Tested: GWS-SA1C-760-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5021.9 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

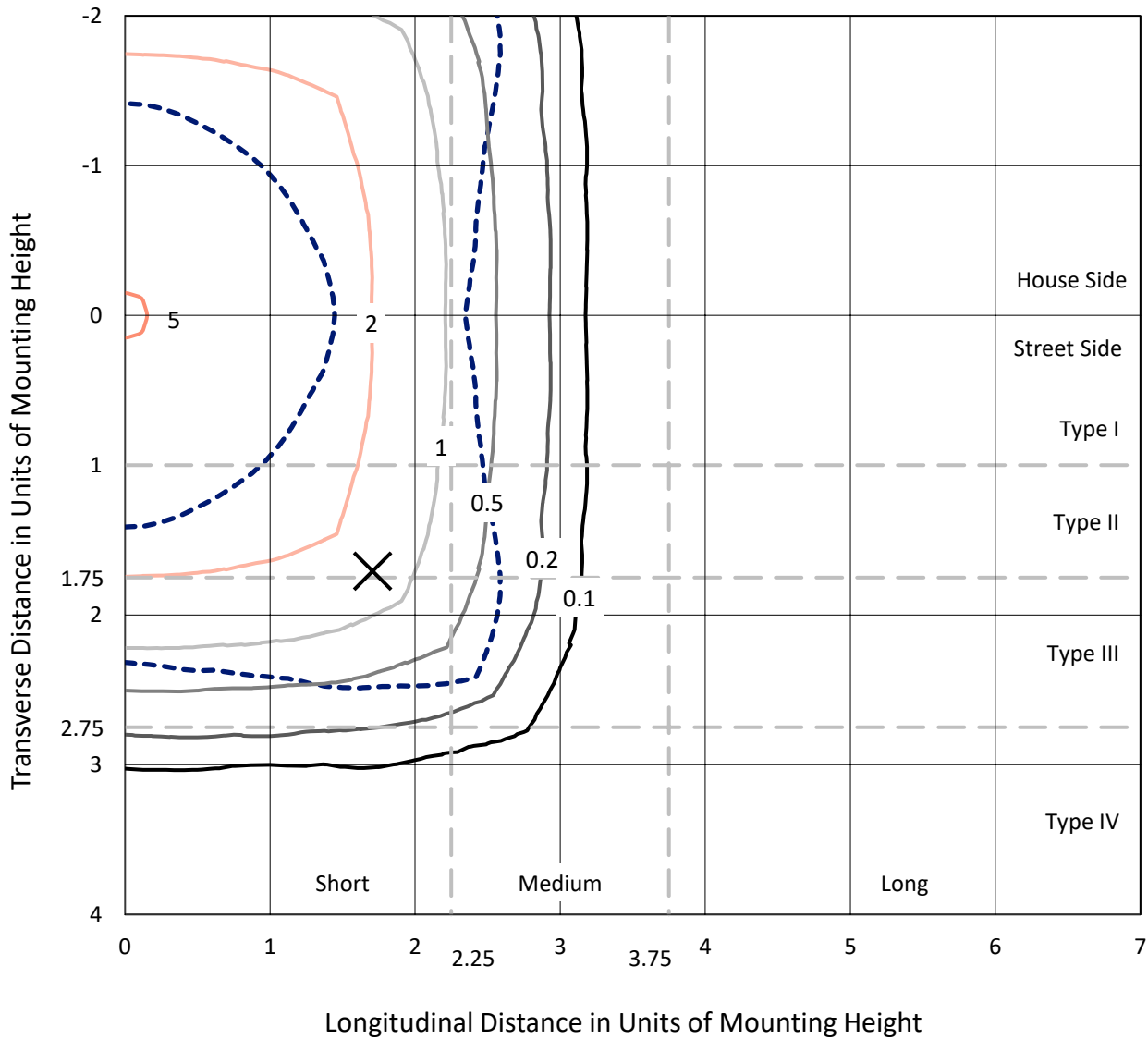
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629930
 CATALOG NUMBER: GWS-SA1C-760-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

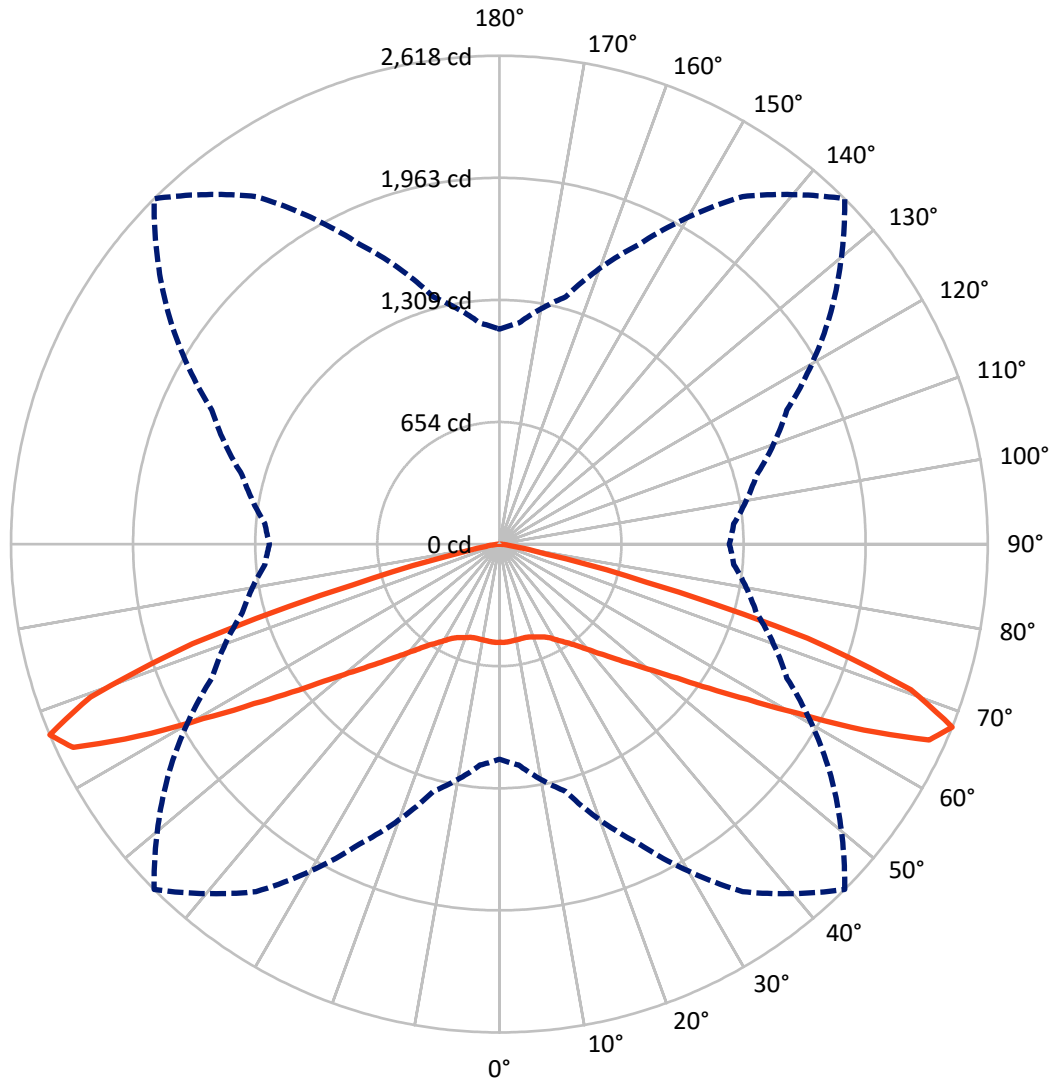
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P629930
CATALOG NUMBER: GWS-SA1C-760-U-5MQ-W

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA1C-760-U-5MQ-W

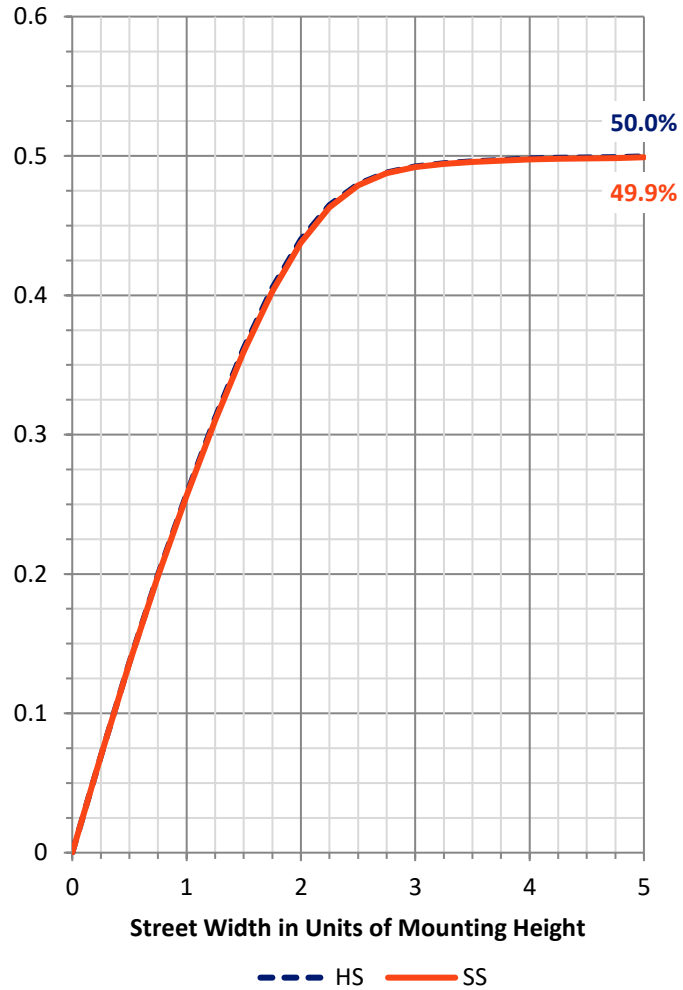
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2510.9	0.0	2510.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2510.9	0.0	2510.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5021.9	0.0	5021.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.0
10°-20°	146.2	2.9
20°-30°	252.2	5.0
30°-40°	410.0	8.2
40°-50°	690.4	13.7
50°-60°	1223.3	24.4
60°-70°	1748.6	34.8
70°-80°	479.9	9.6
80°-90°	21.5	0.4
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°	5021.9	100.0
0°-180°	5021.9	100.0

Coefficient of Utilization



REPORT NUMBER: P629930

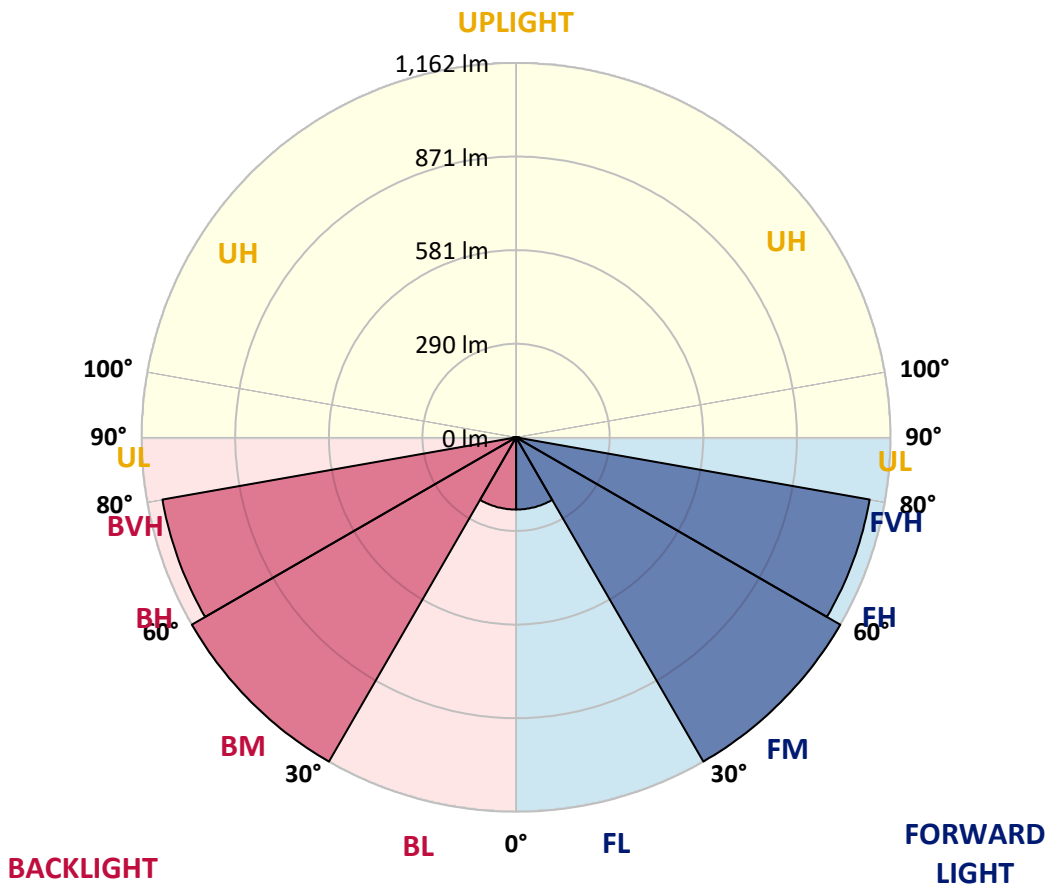
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.1	4.5			
FM (30°-60°)	1161.9	23.1			
FH (60°-80°)	1114.3	22.2			G1/1800
FVH (80°-90°)	10.8	0.2			G1/100
BL (0°-30°)	224.1	4.5	B1/500		
BM (30°-60°)	1161.9	23.1	B2/2500		
BH (60°-80°)	1114.3	22.2	B3/2500		G1/1800
BVH (80°-90°)	10.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	526.0	526.0	526.0	526.0	526.0	526.0	526.0	526.0	526.0	526.0	526.0
2.5°	522.5	522.1	523.9	524.9	524.6	527.0	526.7	526.0	526.0	524.9	527.7
5°	522.5	522.1	523.5	523.9	523.2	525.3	524.6	523.9	523.9	522.5	524.9
7.5°	519.7	520.0	521.1	521.8	521.1	522.8	521.8	520.4	520.0	518.7	521.1
10°	514.5	514.8	515.9	517.6	518.0	521.1	519.4	516.9	515.9	514.5	516.9
12.5°	511.4	511.7	512.7	514.8	515.5	519.7	518.0	514.1	512.4	511.0	513.4
15°	510.7	511.0	512.4	514.5	515.5	519.7	518.0	513.4	511.0	509.3	511.4
17.5°	510.7	511.4	513.4	516.6	518.7	522.8	520.7	515.5	512.1	508.9	511.0
20°	511.0	512.1	515.2	519.7	524.9	530.8	528.0	521.1	516.2	512.4	513.8
22.5°	514.1	515.9	519.7	525.6	533.3	540.2	537.8	528.4	521.4	516.2	517.6
25°	524.9	525.6	530.5	538.1	545.4	551.3	548.9	540.2	531.5	525.3	527.0
27.5°	544.0	545.8	549.9	557.9	564.2	567.3	567.0	561.1	552.4	546.8	548.2
30°	567.0	568.7	574.3	583.3	589.6	593.0	592.0	587.5	579.5	571.8	573.2
32.5°	593.7	594.4	601.0	611.1	617.7	622.9	619.5	614.6	604.5	595.5	596.2
35°	627.8	628.9	635.8	645.2	650.4	654.6	653.9	649.0	638.2	628.5	630.9
37.5°	670.6	671.3	677.5	689.3	693.5	696.6	697.3	694.9	683.8	671.3	673.7
40°	723.8	724.1	731.1	741.5	746.0	748.1	748.4	748.8	737.3	727.9	727.2
42.5°	785.6	787.4	797.1	807.2	809.3	808.2	811.7	815.2	804.1	791.2	792.2
45°	859.7	860.7	873.9	885.1	881.2	877.8	884.4	891.3	881.2	864.5	859.7
47.5°	947.3	949.4	963.6	974.7	968.5	962.2	973.0	980.3	964.0	946.2	941.7
50°	1046.3	1047.7	1067.9	1081.8	1074.5	1063.0	1076.6	1084.2	1062.3	1040.4	1030.7
52.5°	1163.5	1160.7	1187.5	1211.8	1207.3	1192.4	1203.5	1204.9	1172.2	1141.3	1131.5
55°	1306.4	1303.6	1330.4	1357.1	1368.2	1364.4	1359.2	1350.9	1302.5	1269.5	1260.5
57.5°	1472.9	1464.2	1501.7	1537.9	1562.2	1569.2	1546.9	1527.5	1489.2	1448.6	1438.1
60°	1627.6	1627.2	1686.7	1749.2	1816.0	1843.8	1787.5	1734.6	1648.8	1574.7	1559.8
62.5°	1671.0	1678.3	1775.7	1930.7	2095.5	2193.9	2045.4	1870.6	1704.7	1593.2	1573.3
65°	1564.0	1582.0	1720.4	1965.1	2290.5	2531.1	2195.9	1873.7	1642.5	1503.5	1482.6
67.5°	1152.7	1188.9	1372.1	1773.2	2273.8	2617.6	2169.2	1700.2	1426.7	1261.2	1232.3
70°	568.7	603.1	748.4	1166.6	1870.9	2339.9	1876.8	1281.3	963.6	804.4	778.0
72.5°	209.3	223.2	280.2	499.2	1032.4	1728.4	1283.4	715.8	466.9	371.6	353.9
75°	102.5	105.0	113.7	167.6	381.0	813.4	603.1	274.6	171.7	149.5	144.6
77.5°	65.4	66.4	70.6	80.0	122.4	256.2	182.9	108.5	84.1	80.6	80.6
80°	36.5	37.5	43.1	49.7	57.4	87.9	65.7	65.0	55.3	48.3	47.3
82.5°	17.4	19.1	27.5	27.1	30.2	44.1	38.6	35.1	35.5	26.8	25.4
85°	8.0	8.0	10.8	12.9	13.6	14.9	17.7	20.2	19.8	13.6	14.6
87.5°	3.8	3.8	3.8	3.5	3.1	2.8	3.8	6.3	9.0	6.3	5.9
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)