

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: P630205

Luminaire Tested: GWS-SA1D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630205
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-SA1D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5718.3 lumens
Efficiency: N/A
Efficacy: 129.1 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

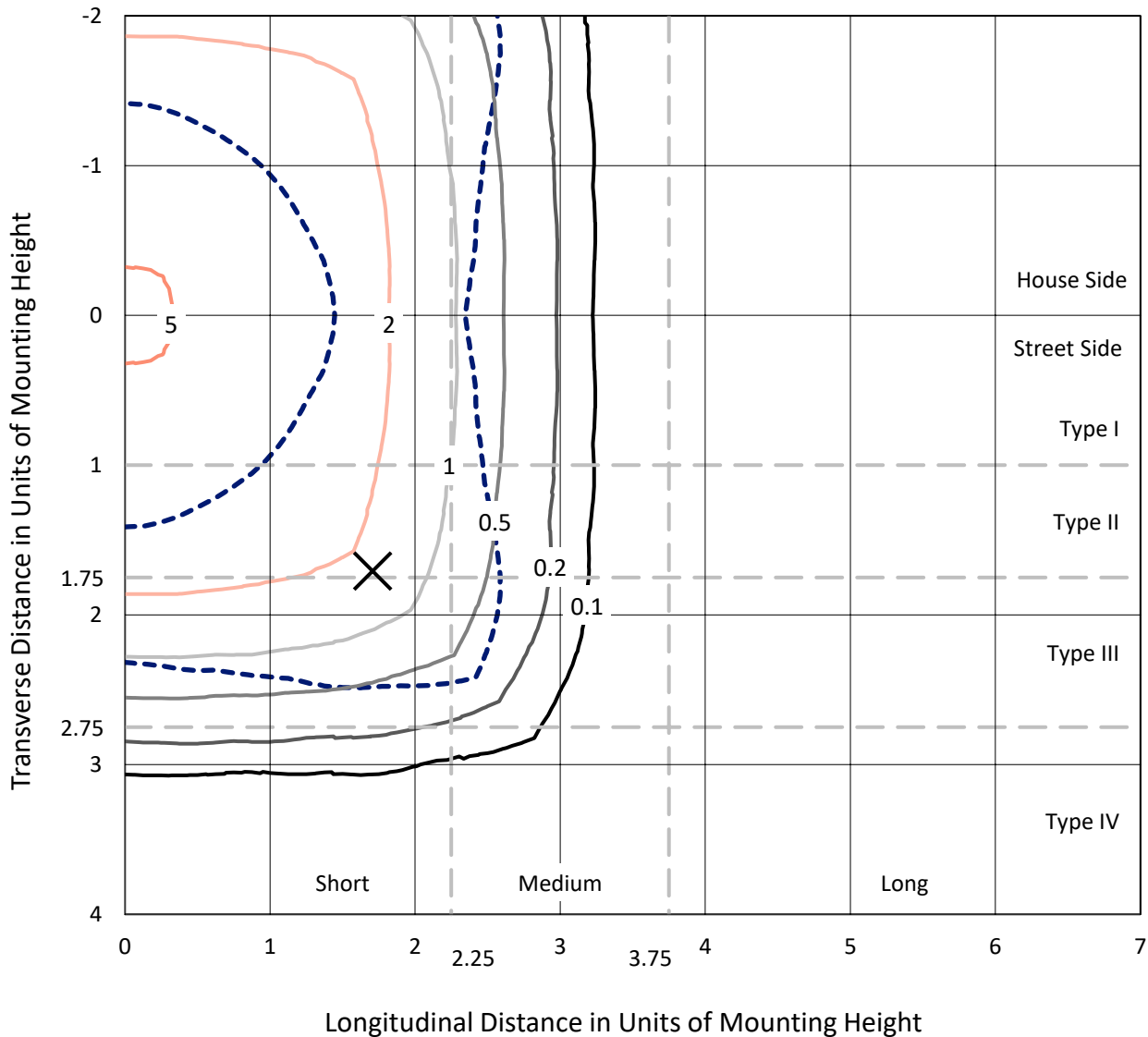
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

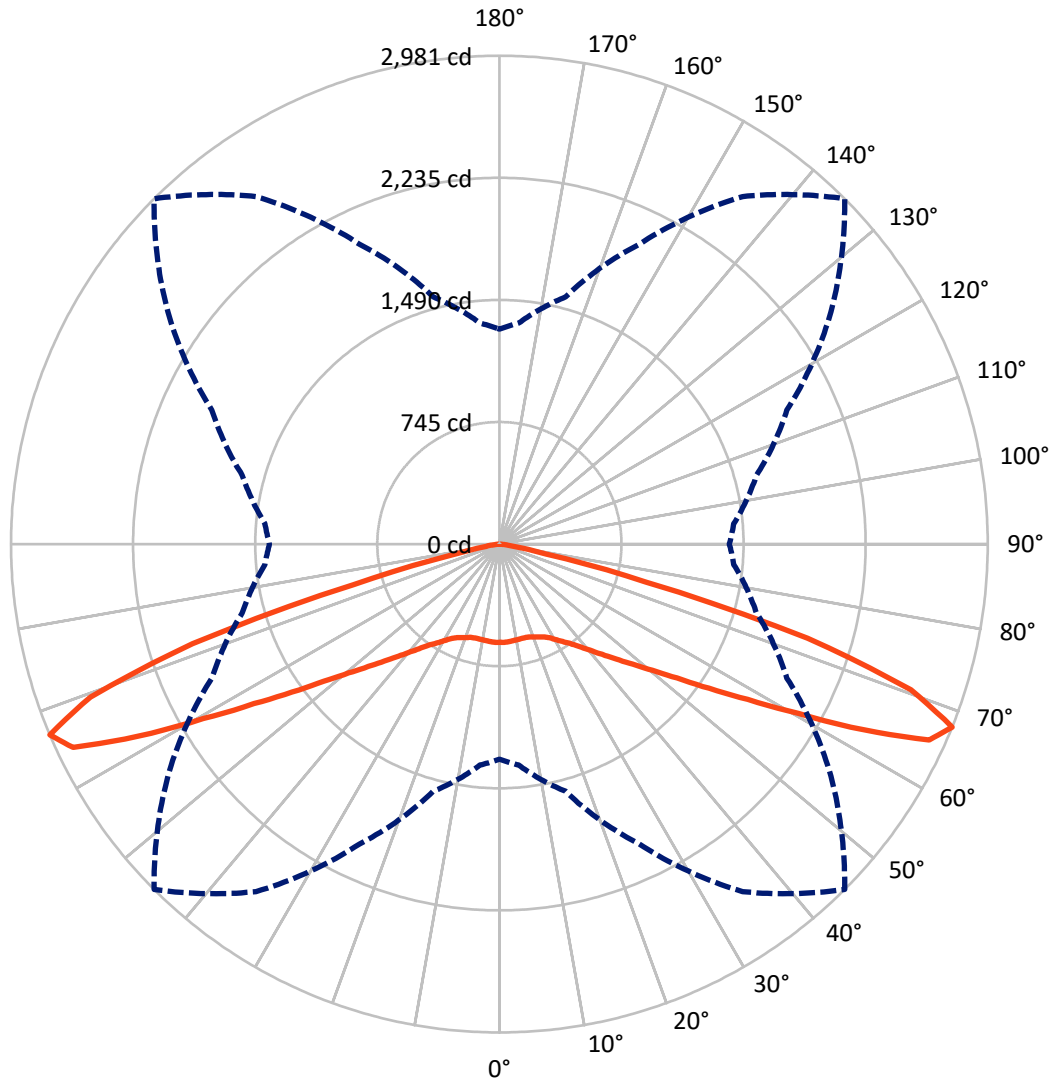
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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	2859.1	0.0	2859.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2859.1	0.0	2859.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5718.3	0.0	5718.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.0
10°-20°	166.5	2.9
20°-30°	287.1	5.0
30°-40°	466.9	8.2
40°-50°	786.2	13.7
50°-60°	1392.9	24.4
60°-70°	1991.1	34.8
70°-80°	546.5	9.6
80°-90°	24.5	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°	5718.3	100.0
0°-180°	5718.3	100.0

Coefficient of Utilization



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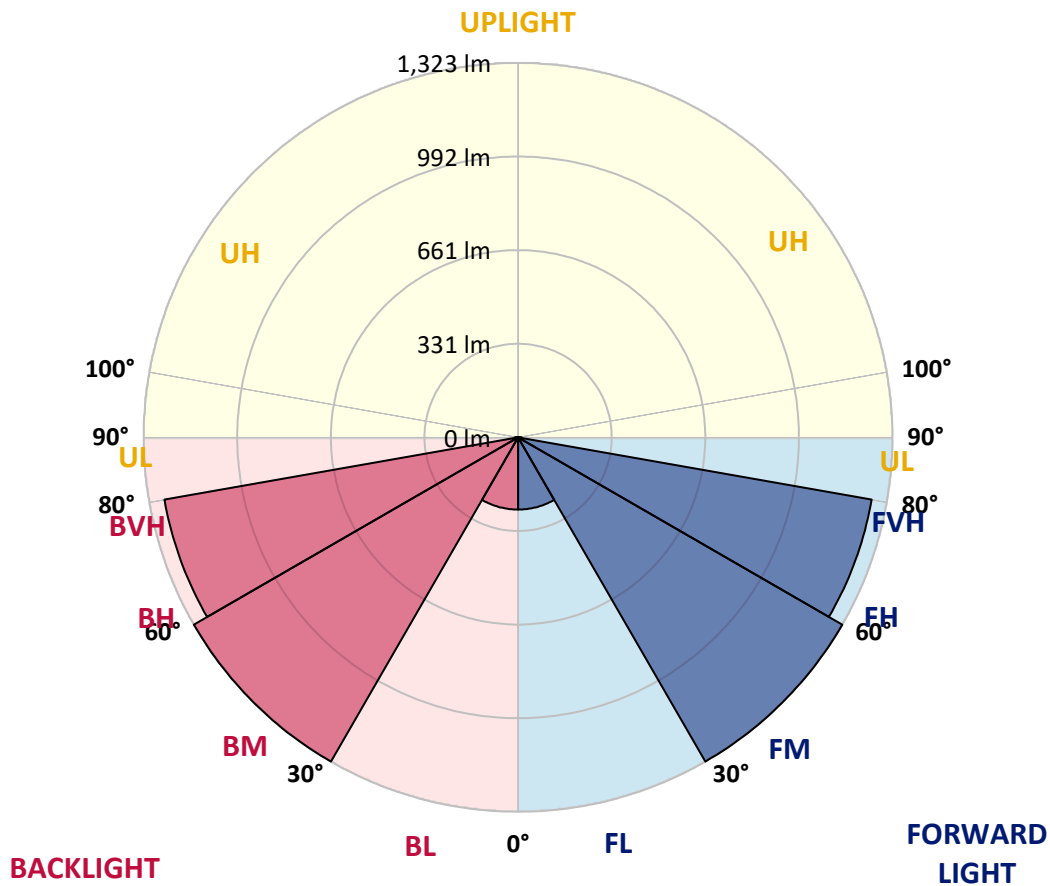
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.2	4.5			
FM (30°-60°)	1323.0	23.1			
FH (60°-80°)	1268.8	22.2			G1/1800
FVH (80°-90°)	12.2	0.2			G1/100
BL (0°-30°)	255.2	4.5	B1/500		
BM (30°-60°)	1323.0	23.1	B2/2500		
BH (60°-80°)	1268.8	22.2	B3/2500		G1/1800
BVH (80°-90°)	12.2	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°	598.9	598.9	598.9	598.9	598.9	598.9	598.9	598.9	598.9	598.9	598.9
2.5°	594.9	594.5	596.5	597.7	597.3	600.1	599.7	598.9	598.9	597.7	600.9
5°	594.9	594.5	596.1	596.5	595.7	598.1	597.3	596.5	596.5	594.9	597.7
7.5°	591.8	592.2	593.3	594.1	593.3	595.3	594.1	592.6	592.2	590.6	593.3
10°	585.8	586.2	587.4	589.4	589.8	593.3	591.4	588.6	587.4	585.8	588.6
12.5°	582.3	582.7	583.8	586.2	587.0	591.8	589.8	585.4	583.5	581.9	584.6
15°	581.5	581.9	583.5	585.8	587.0	591.8	589.8	584.6	581.9	579.9	582.3
17.5°	581.5	582.3	584.6	588.2	590.6	595.3	593.0	587.0	583.1	579.5	581.9
20°	581.9	583.1	586.6	591.8	597.7	604.4	601.3	593.3	587.8	583.5	585.0
22.5°	585.4	587.4	591.8	598.5	607.2	615.1	612.3	601.7	593.7	587.8	589.4
25°	597.7	598.5	604.0	612.7	621.1	627.8	625.0	615.1	605.2	598.1	600.1
27.5°	619.5	621.5	626.2	635.3	642.4	646.0	645.6	638.9	629.0	622.6	624.2
30°	645.6	647.6	653.9	664.2	671.3	675.3	674.1	669.0	659.8	651.1	652.7
32.5°	676.1	676.9	684.4	695.9	703.4	709.3	705.4	699.8	688.3	678.1	678.8
35°	714.9	716.1	724.0	734.7	740.6	745.3	744.6	739.0	726.7	715.7	718.4
37.5°	763.6	764.3	771.5	784.9	789.7	793.2	794.0	791.3	778.6	764.3	767.1
40°	824.1	824.5	832.4	844.3	849.5	851.8	852.2	852.6	839.6	828.9	828.1
42.5°	894.6	896.6	907.6	919.1	921.5	920.3	924.3	928.2	915.6	900.9	902.1
45°	978.9	980.1	995.1	1007.8	1003.4	999.5	1007.0	1014.9	1003.4	984.4	978.9
47.5°	1078.6	1081.0	1097.2	1109.9	1102.8	1095.7	1107.9	1116.2	1097.6	1077.4	1072.3
50°	1191.4	1193.0	1216.0	1231.8	1223.5	1210.4	1225.9	1234.6	1209.7	1184.7	1173.6
52.5°	1324.8	1321.7	1352.2	1379.9	1374.7	1357.7	1370.4	1371.9	1334.7	1299.5	1288.4
55°	1487.5	1484.4	1514.8	1545.3	1558.0	1553.6	1547.7	1538.2	1483.2	1445.6	1435.3
57.5°	1677.1	1667.2	1710.0	1751.2	1778.9	1786.8	1761.4	1739.3	1695.7	1649.4	1637.5
60°	1853.3	1852.9	1920.6	1991.8	2067.8	2099.5	2035.4	1975.2	1877.4	1793.1	1776.1
62.5°	1902.8	1911.1	2021.9	2198.4	2386.1	2498.1	2329.1	2130.0	1941.2	1814.1	1791.5
65°	1780.8	1801.4	1959.0	2237.6	2608.1	2882.0	2500.5	2133.5	1870.3	1712.0	1688.2
67.5°	1312.6	1353.7	1562.3	2019.1	2589.1	2980.6	2470.0	1936.0	1624.5	1436.1	1403.2
70°	647.6	686.8	852.2	1328.4	2130.4	2664.3	2137.1	1459.0	1097.2	916.0	885.9
72.5°	238.3	254.1	319.0	568.4	1175.6	1968.1	1461.4	815.0	531.6	423.1	403.0
75°	116.8	119.5	129.4	190.8	433.8	926.2	686.8	312.7	195.5	170.2	164.7
77.5°	74.4	75.6	80.4	91.0	139.3	291.7	208.2	123.5	95.8	91.8	91.8
80°	41.6	42.7	49.1	56.6	65.3	100.1	74.8	74.0	62.9	55.0	53.8
82.5°	19.8	21.8	31.3	30.9	34.4	50.3	43.9	40.0	40.4	30.5	28.9
85°	9.1	9.1	12.3	14.6	15.4	17.0	20.2	23.0	22.6	15.4	16.6
87.5°	4.4	4.4	4.4	4.0	3.6	3.2	4.4	7.1	10.3	7.1	6.7
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)