

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: P628849

Luminaire Tested: GWS-SA1A-740-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-740-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2794.5 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

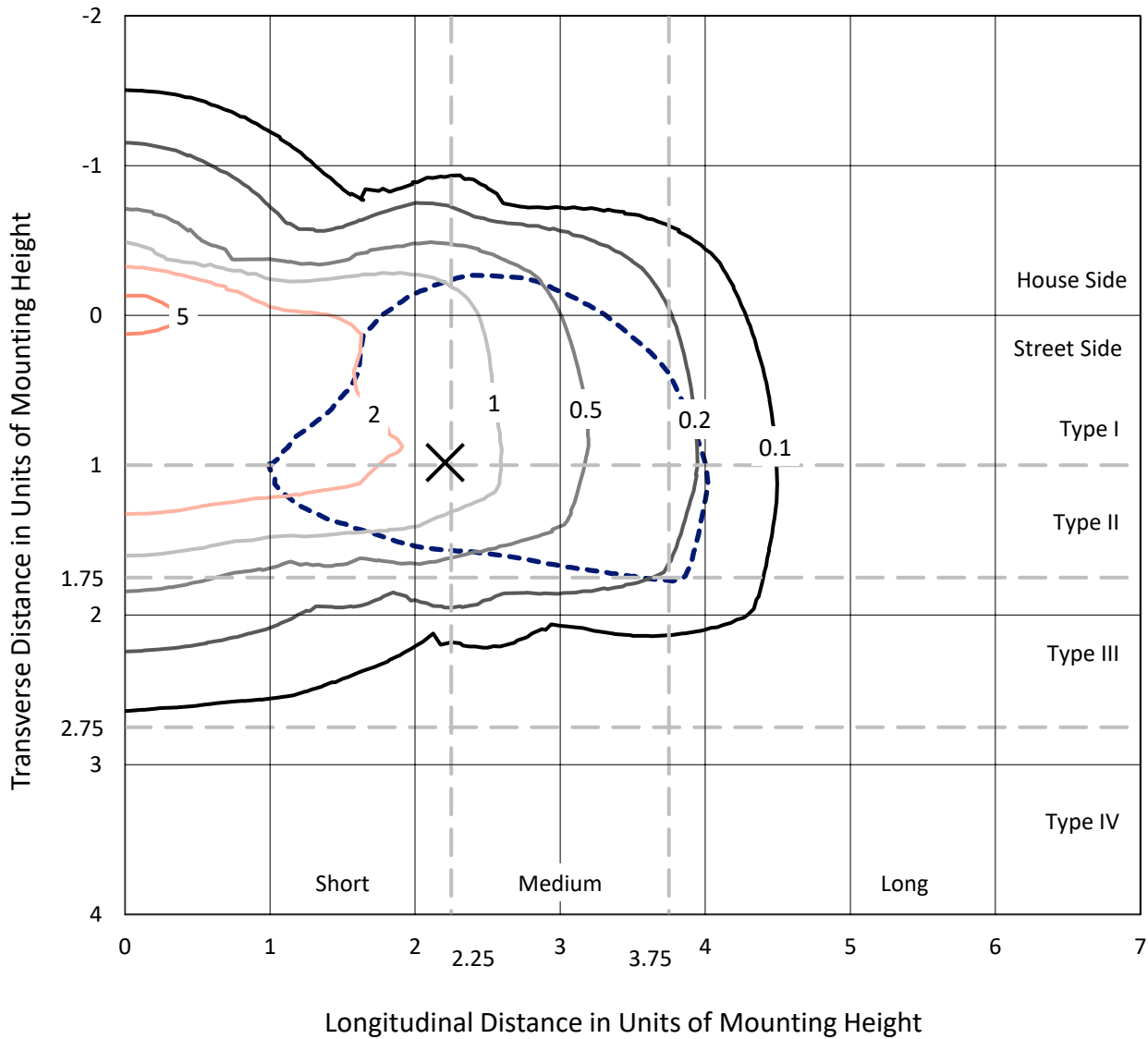
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

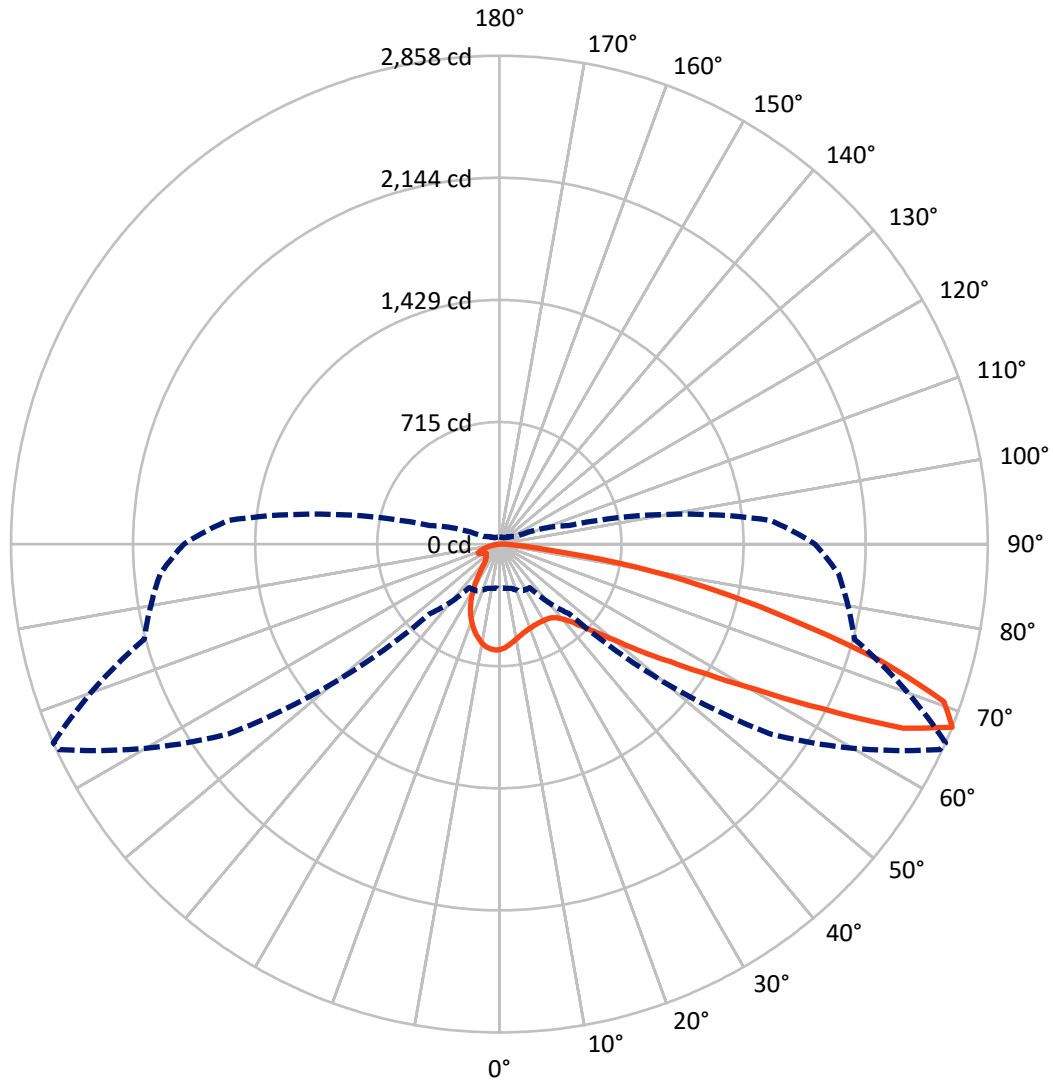
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.1	0.0	567.1
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	2227.4	0.0	2227.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	2794.5	0.0	2794.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	1.9
10°-20°	133.2	4.8
20°-30°	183.1	6.6
30°-40°	250.3	9.0
40°-50°	379.3	13.6
50°-60°	589.6	21.1
60°-70°	717.8	25.7
70°-80°	437.2	15.6
80°-90°	49.9	1.8
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°	2794.5	100.0
0°-180°	2794.5	100.0

Coefficient of Utilization



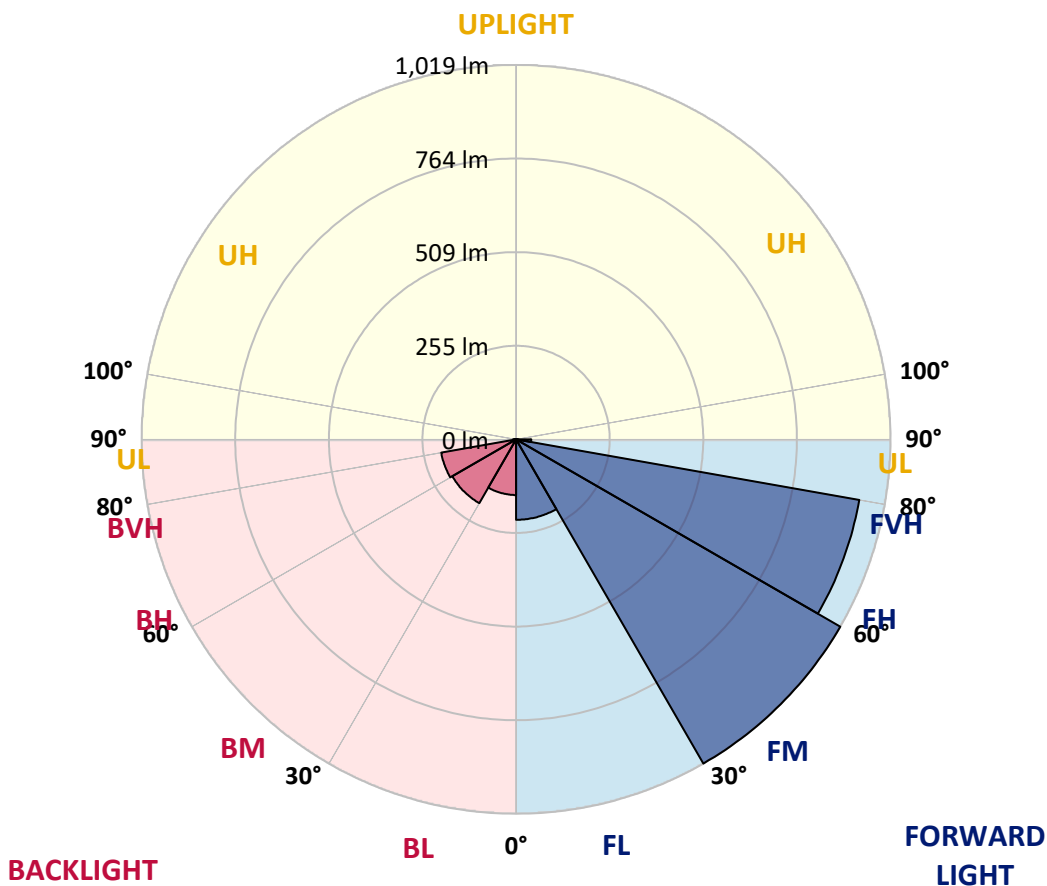
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.0	7.8			
FM (30°-60°)	1018.7	36.5			
FH (60°-80°)	948.2	33.9			G1/1800
FVH (80°-90°)	41.5	1.5			G1/100
BL (0°-30°)	151.5	5.4	B1/500		
BM (30°-60°)	200.4	7.2	B0/220		
BH (60°-80°)	206.8	7.4	B1/500		G1/500
BVH (80°-90°)	8.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	578.4	580.4	579.2	586.9	587.3	597.1	602.6	607.3	607.7	613.8	617.9
5°	538.8	540.0	540.0	547.4	552.3	565.3	578.0	591.4	592.4	607.1	618.3
7.5°	506.8	508.0	507.2	517.0	523.3	537.8	553.9	574.5	576.5	600.2	619.7
10°	481.7	481.3	483.4	492.3	500.5	517.8	535.8	559.2	562.3	592.2	621.4
12.5°	464.6	465.0	466.2	475.6	484.4	501.5	520.1	545.5	548.8	583.1	620.6
15°	456.5	455.6	456.7	465.2	473.6	488.7	507.8	534.1	537.4	574.9	620.8
17.5°	454.6	454.0	453.8	459.9	466.2	480.3	498.7	525.4	528.8	569.6	622.0
20°	460.3	459.5	457.3	459.9	462.6	474.4	492.1	519.0	522.9	566.1	624.4
22.5°	476.0	474.6	471.1	467.9	464.4	471.5	488.1	514.3	518.2	563.9	626.9
25°	499.9	498.7	495.0	487.6	475.0	473.8	487.2	512.3	516.2	562.3	627.9
27.5°	532.7	530.9	527.2	516.6	496.0	482.1	490.3	512.1	515.8	560.4	626.9
30°	571.6	570.4	568.4	555.5	528.0	499.9	497.2	513.7	516.6	559.4	624.8
32.5°	611.2	610.0	611.6	605.5	571.6	529.2	512.3	518.2	520.3	559.2	623.0
35°	646.0	647.5	659.3	660.3	627.1	569.0	536.2	528.6	529.0	563.3	623.8
37.5°	682.5	688.0	703.5	716.8	689.1	621.6	571.6	548.2	547.8	573.7	628.9
40°	730.9	733.3	753.1	777.9	760.6	693.8	622.0	580.2	577.3	594.9	642.6
42.5°	777.9	783.9	815.5	844.0	838.3	775.1	685.4	628.1	623.0	632.4	670.7
45°	837.9	843.6	879.1	915.8	926.2	867.0	766.5	696.2	691.1	688.9	722.3
47.5°	897.8	903.7	935.5	988.5	1025.0	982.0	872.1	786.1	777.7	769.0	800.2
50°	938.2	945.1	975.5	1039.1	1124.7	1125.5	997.3	903.9	893.3	879.5	909.8
52.5°	936.8	941.2	970.2	1043.6	1196.5	1290.5	1164.9	1054.0	1045.4	1015.2	1041.7
55°	863.2	869.9	899.0	990.8	1204.2	1446.8	1411.1	1230.9	1215.6	1161.6	1190.8
57.5°	715.4	721.1	750.4	863.6	1135.5	1526.9	1723.9	1456.4	1435.4	1321.0	1354.7
60°	540.0	533.1	547.0	646.0	971.2	1529.0	1999.9	1762.2	1727.1	1491.5	1519.6
62.5°	405.3	398.4	401.4	429.3	658.5	1405.4	2157.3	2180.5	2122.6	1683.9	1678.4
65°	320.3	316.4	325.2	344.3	383.9	1070.3	2158.5	2632.9	2596.4	1906.9	1841.3
67.5°	260.9	258.5	267.5	302.9	311.3	575.1	1935.5	2844.1	2858.4	2151.2	1992.4
70°	210.2	206.5	220.6	267.3	289.5	348.0	1386.5	2736.5	2759.5	2296.7	1949.8
72.5°	145.2	145.4	152.5	216.5	279.5	300.5	784.3	2278.6	2328.5	2164.8	1714.1
75°	97.9	98.7	100.7	142.9	257.5	291.5	417.9	1725.1	1760.4	1789.3	1416.9
77.5°	59.1	59.5	64.2	86.4	177.6	272.2	283.2	1250.5	1278.2	1179.6	878.2
80°	34.2	35.7	40.0	57.9	119.9	204.5	219.2	766.7	798.1	524.3	279.1
82.5°	15.1	16.1	21.8	33.6	69.9	173.9	171.0	302.9	298.5	146.2	96.8
85°	2.7	3.3	4.7	10.6	25.7	91.7	132.7	133.7	125.8	55.5	40.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.6	20.0	35.9	35.7	15.7	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	620.6	615.1	620.0	620.6	619.5	618.7	612.6	607.3	606.7	601.0	601.0
5°	622.8	617.7	620.2	615.5	608.1	600.6	587.5	578.6	574.5	567.2	567.2
7.5°	625.9	620.6	617.7	606.1	589.0	572.5	551.5	533.9	526.8	516.4	516.0
10°	628.7	622.0	612.2	589.6	562.3	536.0	505.4	480.5	463.6	451.2	451.2
12.5°	628.5	619.7	600.4	566.9	529.2	491.1	450.3	412.8	390.4	371.0	369.8
15°	628.1	616.1	585.3	540.6	490.7	437.9	382.4	333.5	300.3	281.3	279.7
17.5°	627.7	611.4	568.4	510.7	443.8	371.8	298.7	245.7	217.9	206.3	206.7
20°	627.7	606.1	550.2	476.2	389.8	292.7	219.2	180.6	173.7	174.3	174.9
22.5°	625.9	599.6	530.0	438.7	329.6	215.3	161.7	148.6	152.3	158.0	158.8
25°	621.6	588.8	506.6	397.1	258.1	156.8	131.9	129.5	136.2	143.3	145.4
27.5°	614.9	576.3	480.3	348.4	190.0	126.0	116.0	115.8	121.1	126.4	128.2
30°	607.7	562.5	452.6	294.2	137.6	109.7	105.8	105.8	108.5	111.7	111.3
32.5°	599.4	548.4	422.8	237.7	112.1	100.5	99.3	98.7	99.1	100.3	100.3
35°	592.2	536.0	392.2	178.0	100.5	95.4	94.2	92.8	92.1	91.3	91.7
37.5°	589.6	526.2	360.6	134.1	94.8	91.7	89.7	87.7	86.2	85.8	85.6
40°	593.9	522.1	329.0	110.5	90.7	87.9	85.6	83.0	81.7	81.7	81.7
42.5°	610.6	525.2	296.8	99.9	87.9	84.6	81.3	78.9	78.5	78.9	79.1
45°	641.2	537.0	263.4	94.6	85.4	81.3	77.5	75.6	75.6	76.0	76.0
47.5°	695.8	568.0	230.4	91.3	83.0	78.7	74.6	72.8	72.6	73.0	73.0
50°	790.4	623.8	200.6	89.1	81.1	76.7	72.6	70.1	69.5	69.3	69.3
52.5°	909.6	720.7	181.6	87.5	78.9	74.4	70.3	67.1	65.8	65.2	65.2
55°	1053.8	849.7	181.6	86.2	76.0	71.8	67.1	63.8	62.0	61.2	61.2
57.5°	1217.1	1000.0	213.0	85.2	73.8	68.7	63.6	60.3	58.3	57.1	57.1
60°	1383.2	1158.8	290.7	83.8	71.8	64.8	59.7	56.7	54.0	52.6	52.4
62.5°	1555.5	1333.7	393.1	84.6	70.3	61.2	55.7	52.2	49.9	48.5	48.3
65°	1713.3	1500.2	482.5	90.9	70.5	57.9	51.0	47.9	46.1	44.2	44.0
67.5°	1847.2	1592.2	419.8	103.8	74.8	54.0	46.3	43.2	41.6	40.4	40.2
70°	1753.4	1451.9	238.1	111.7	80.7	49.9	41.0	38.9	37.3	36.5	36.3
72.5°	1499.4	1229.3	159.2	98.7	73.6	44.6	36.1	34.5	33.2	32.2	32.0
75°	1214.6	974.9	121.7	80.9	57.3	36.3	31.0	29.8	28.5	27.5	27.3
77.5°	718.6	563.3	89.7	64.0	40.4	28.3	25.7	24.7	23.4	22.6	22.4
80°	229.3	195.7	56.9	44.0	26.7	21.8	19.8	19.0	17.7	16.7	16.5
82.5°	87.5	75.6	30.2	22.4	17.7	14.9	13.3	12.4	11.6	10.6	10.4
85°	38.7	36.3	16.7	12.0	9.6	7.3	6.5	6.1	5.1	4.3	4.1
87.5°	13.7	13.7	7.1	3.5	2.0	1.0	0.6	0.2	0.0	0.0	0.0
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)