

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: P628664

Luminaire Tested: GWS-SA1A-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2076.8 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

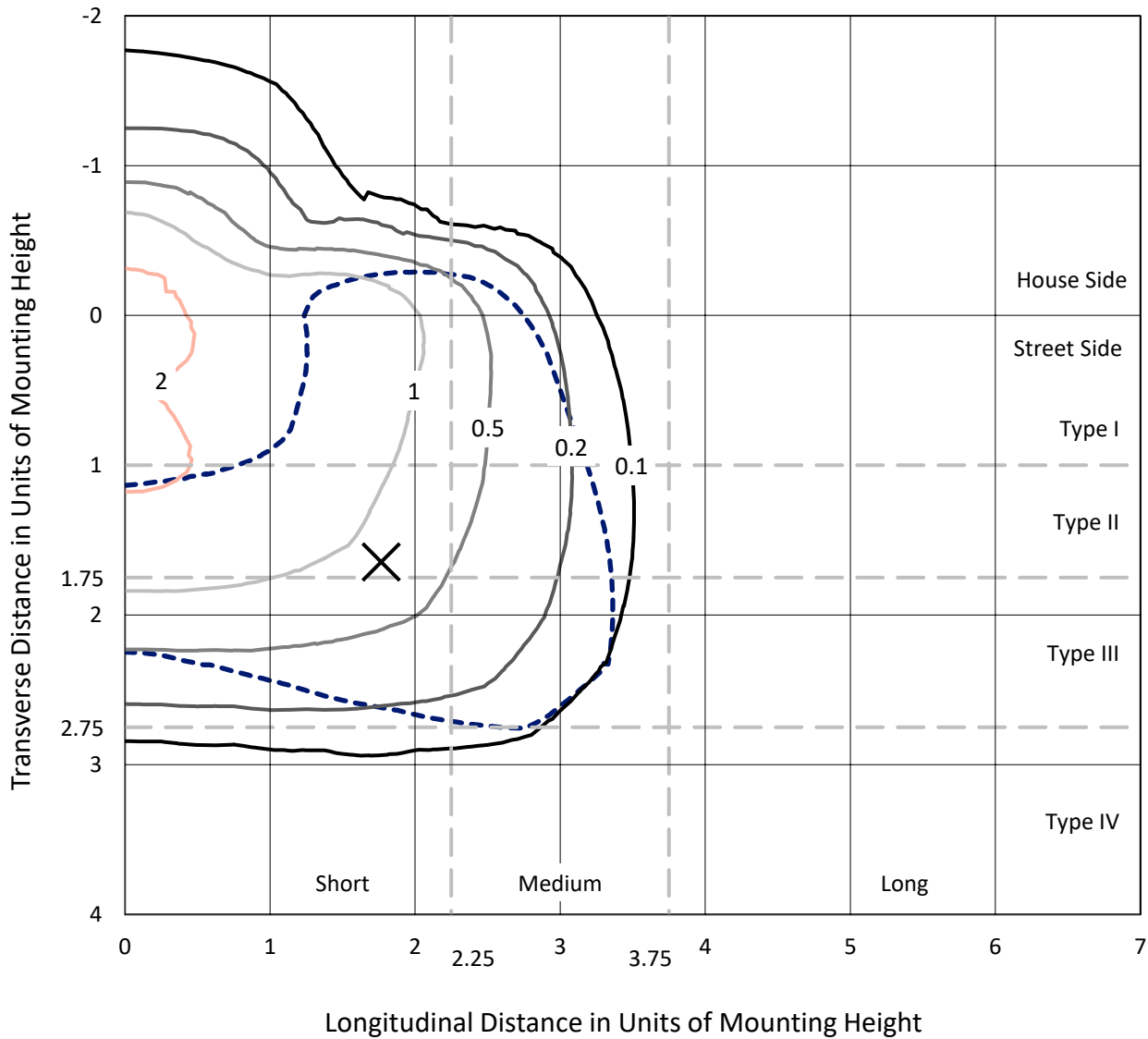
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

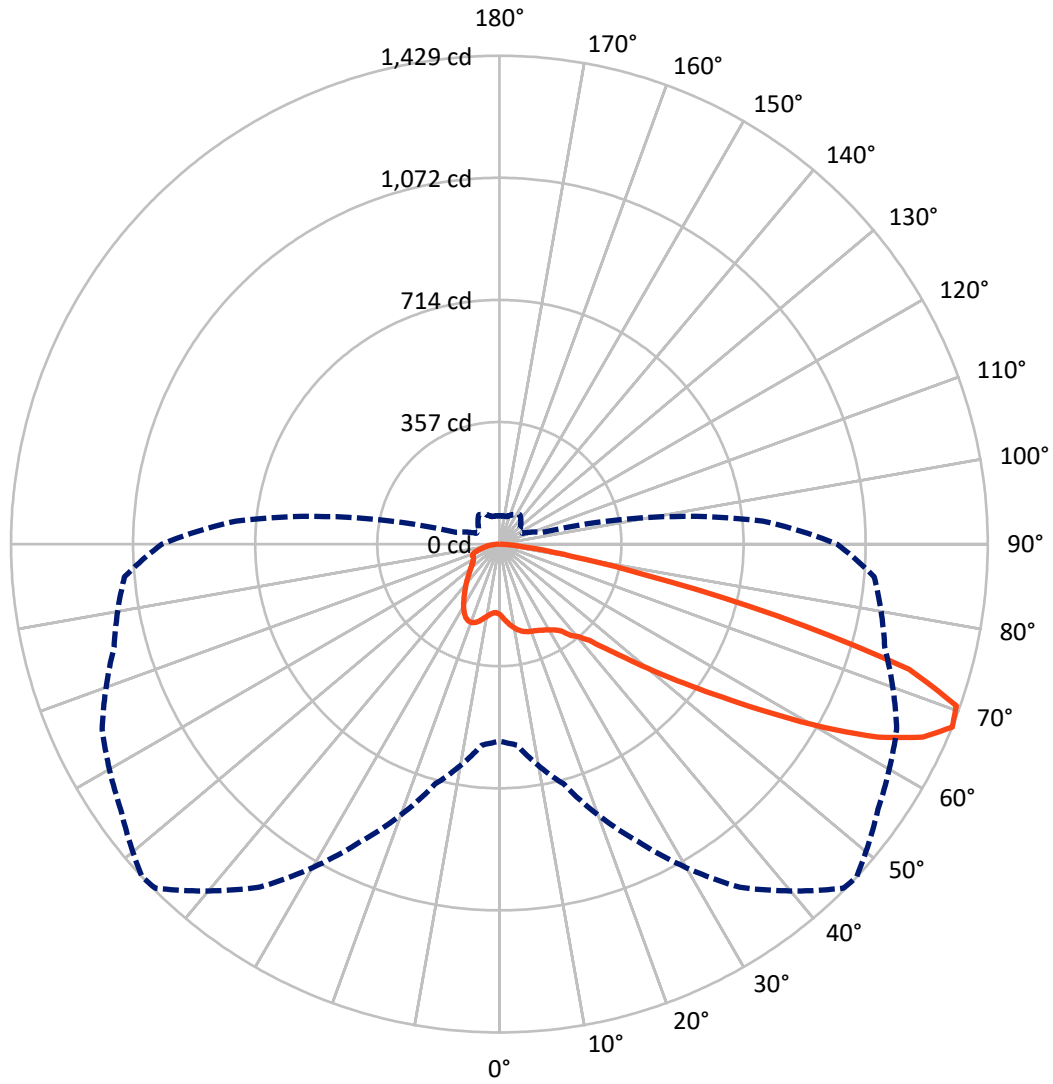
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.3	0.0	473.3
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	1603.5	0.0	1603.5
	% Fixture	77.2	0.0	77.2
Total	Lumens	2076.8	0.0	2076.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	1.0
10°-20°	70.1	3.4
20°-30°	119.2	5.7
30°-40°	174.5	8.4
40°-50°	265.9	12.8
50°-60°	475.8	22.9
60°-70°	634.9	30.6
70°-80°	287.1	13.8
80°-90°	28.1	1.4
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°	2076.8	100.0
0°-180°	2076.8	100.0

Coefficient of Utilization



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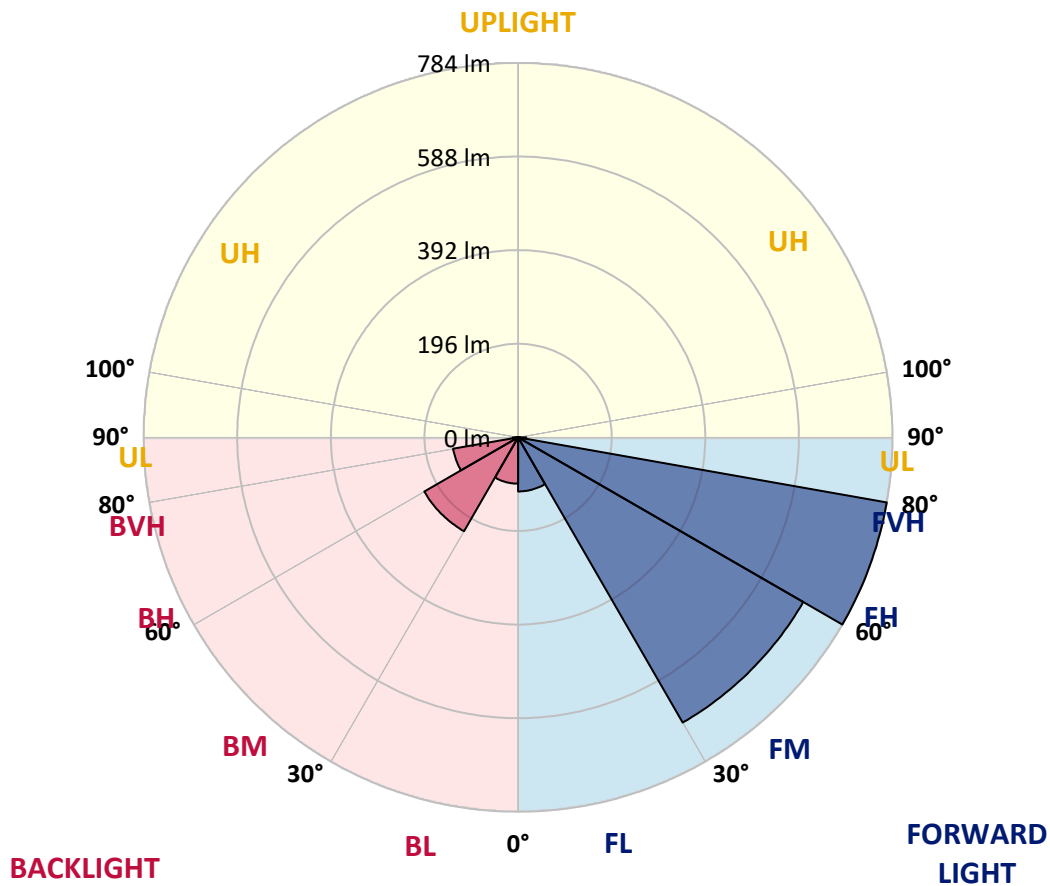
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.3	5.5			
FM (30°-60°)	689.5	33.2			
FH (60°-80°)	784.0	37.7			G1/1800
FVH (80°-90°)	16.7	0.8			G1/100
BL (0°-30°)	97.0	4.7	B0/110		
BM (30°-60°)	226.8	10.9	B1/1000		
BH (60°-80°)	138.1	6.6	B1/500		G1/500
BVH (80°-90°)	11.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	219.5	220.3	220.1	218.9	218.2	216.8	217.0	214.9	211.7	209.6	207.2
5°	238.9	240.1	238.6	236.7	233.7	229.3	228.9	224.0	218.0	213.8	209.5
7.5°	255.7	256.5	254.7	251.4	247.0	241.2	240.1	234.4	226.9	220.3	214.0
10°	268.8	269.7	267.3	262.9	257.2	251.4	250.6	244.8	236.8	229.0	221.0
12.5°	279.9	280.2	277.7	271.8	265.6	259.6	258.9	253.5	246.1	238.2	229.5
15°	286.4	286.5	283.4	276.9	271.0	265.8	265.3	260.7	253.9	246.4	237.1
17.5°	285.9	286.2	284.0	278.3	273.2	270.0	269.5	266.5	261.3	254.5	245.2
20°	280.4	280.7	279.2	275.4	272.7	271.8	271.9	271.0	267.9	262.3	252.9
22.5°	276.0	276.5	275.1	272.4	272.1	274.2	274.7	275.1	273.6	268.6	259.5
25°	278.1	278.9	276.8	273.0	273.6	278.3	279.2	280.7	279.5	275.3	267.3
27.5°	292.7	293.1	287.7	280.1	278.3	283.2	284.6	287.0	286.1	282.2	276.0
30°	326.5	326.2	314.6	295.8	288.3	290.3	291.3	294.8	295.1	292.5	286.7
32.5°	374.1	372.6	354.7	324.8	303.0	298.2	299.4	304.1	307.5	304.8	296.9
35°	424.4	423.0	403.3	368.4	330.2	313.5	312.2	315.8	321.1	313.5	302.1
37.5°	472.3	470.2	450.0	406.8	363.7	340.4	338.5	334.9	331.7	317.3	308.6
40°	525.4	523.0	505.5	456.5	400.6	361.0	356.0	341.8	338.9	329.8	325.4
42.5°	582.2	582.2	567.6	519.4	445.2	390.4	384.0	362.5	365.5	359.5	354.4
45°	639.0	640.6	629.0	582.8	504.9	446.0	435.6	405.1	412.4	409.7	407.1
47.5°	687.3	690.5	688.2	647.5	577.8	513.6	497.8	466.1	481.6	488.0	495.2
50°	739.4	742.9	740.6	724.5	663.3	595.4	581.3	548.6	575.1	594.5	618.1
52.5°	816.7	821.7	802.9	796.8	767.0	688.4	675.7	638.5	686.7	718.8	771.4
55°	882.1	881.9	875.3	889.4	878.5	802.0	788.1	754.3	815.8	849.9	926.8
57.5°	912.4	916.0	938.7	978.6	1000.6	940.9	927.6	893.0	954.5	972.2	1055.2
60°	928.0	932.5	976.4	1055.4	1114.4	1092.6	1087.3	1043.3	1077.9	1075.8	1163.5
62.5°	906.1	915.1	985.5	1090.5	1195.6	1245.0	1243.4	1176.8	1182.9	1162.3	1230.6
65°	805.5	815.2	925.8	1072.9	1242.0	1360.9	1361.4	1297.7	1263.5	1204.3	1219.3
67.5°	576.0	590.0	726.6	960.0	1225.6	1423.6	1428.8	1352.5	1282.4	1167.1	1101.0
70°	314.0	324.2	431.3	697.8	1078.2	1408.6	1418.3	1326.1	1198.9	1009.6	847.5
72.5°	142.7	146.0	200.6	382.9	736.6	1212.4	1253.3	1183.5	984.6	745.7	538.9
75°	65.3	66.8	87.4	183.2	384.9	811.3	840.0	881.5	685.2	470.9	281.0
77.5°	41.0	41.4	49.7	83.8	191.9	405.0	435.2	524.8	401.2	233.1	117.4
80°	24.2	24.6	30.9	45.3	90.1	185.3	214.0	207.5	188.6	100.6	53.5
82.5°	12.2	12.6	17.9	25.8	49.1	73.7	86.8	87.2	70.3	54.5	30.2
85°	4.4	4.5	5.9	10.2	20.9	24.3	27.2	33.2	34.4	31.7	14.6
87.5°	0.0	0.0	0.2	0.3	0.6	2.4	2.6	4.8	10.1	11.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	206.5	204.2	203.5	202.7	201.5	201.1	200.2	199.3	199.3	198.4	197.9
5°	207.5	204.5	202.6	201.7	200.9	201.4	201.4	201.7	202.7	202.1	202.4
7.5°	211.3	207.8	205.1	204.4	204.4	206.2	207.4	208.9	210.8	211.1	211.1
10°	217.9	213.8	211.0	210.5	211.3	213.8	215.6	217.4	219.8	220.0	220.3
12.5°	225.1	221.0	218.2	218.8	219.5	222.8	224.8	226.3	228.7	228.7	228.6
15°	232.6	228.1	225.7	226.9	229.2	232.9	233.2	233.4	234.6	234.3	234.1
17.5°	240.4	235.6	233.8	235.6	238.0	239.8	238.3	236.2	235.8	235.2	234.9
20°	248.1	243.1	242.4	243.7	244.5	243.0	238.3	234.4	232.6	231.7	231.4
22.5°	254.7	250.5	250.0	250.0	246.3	241.0	234.1	228.9	226.4	225.2	224.9
25°	262.5	258.6	257.8	253.8	244.2	234.6	225.2	220.4	218.5	217.9	218.0
27.5°	271.6	268.9	266.5	255.0	238.2	223.1	212.6	210.5	209.8	210.5	211.0
30°	282.9	280.2	274.8	253.5	228.6	208.3	198.2	198.1	200.3	202.3	202.6
32.5°	292.1	290.9	282.0	248.7	215.0	191.9	183.4	184.0	188.0	190.7	191.2
35°	299.3	301.2	288.0	240.7	199.0	176.4	169.7	170.0	172.2	176.0	176.1
37.5°	309.5	316.1	293.4	228.6	180.5	163.1	156.9	154.7	154.4	155.4	155.7
40°	330.1	340.0	297.3	210.8	162.6	151.1	144.2	139.8	136.0	133.2	132.3
42.5°	361.1	372.6	299.6	189.4	146.7	139.2	131.4	125.8	119.2	113.2	111.1
45°	418.2	422.0	299.6	166.5	132.6	128.1	120.3	113.7	105.3	98.2	96.7
47.5°	509.5	497.5	299.9	144.5	120.1	118.3	111.6	104.1	94.8	88.9	88.0
50°	647.1	604.9	306.0	126.1	109.8	110.1	105.1	96.9	88.4	84.1	83.3
52.5°	802.9	737.2	322.6	112.6	101.1	103.3	100.6	92.7	85.1	81.4	80.6
55°	949.5	858.8	336.7	103.0	93.7	97.6	97.5	90.1	83.3	79.6	79.1
57.5°	1074.1	942.1	334.6	95.2	87.4	92.4	94.6	88.4	82.1	79.0	78.5
60°	1151.6	986.3	304.7	88.0	82.6	88.6	93.0	88.0	82.7	82.0	82.1
62.5°	1185.3	978.2	247.3	82.6	79.4	86.8	94.8	91.2	88.3	90.1	91.2
65°	1133.0	908.5	182.0	78.5	76.4	87.2	99.0	96.1	88.3	89.5	89.9
67.5°	987.9	773.4	131.5	74.5	72.7	88.6	105.0	95.4	83.2	83.2	82.3
70°	711.9	556.2	95.5	70.4	68.9	86.6	105.3	90.2	77.3	76.9	74.6
72.5°	428.4	328.1	74.5	65.9	63.2	76.9	98.7	84.2	71.6	67.9	65.2
75°	222.5	164.4	62.5	61.0	54.2	65.2	90.2	74.9	61.3	58.0	56.5
77.5°	95.4	76.9	53.6	54.4	45.0	54.8	72.8	64.9	54.4	50.2	48.8
80°	47.0	43.7	42.3	43.5	36.0	42.3	62.8	56.8	46.1	41.3	39.3
82.5°	26.9	25.5	30.5	30.9	25.7	35.4	53.0	48.1	38.1	32.9	29.7
85°	12.5	13.4	18.5	18.6	15.9	24.3	34.7	27.0	20.3	16.8	16.1
87.5°	5.0	5.9	8.1	8.0	4.7	4.5	3.0	1.7	1.4	1.2	1.1
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)