

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: P628818

Luminaire Tested: GWS-SA1A-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-735-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1732 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

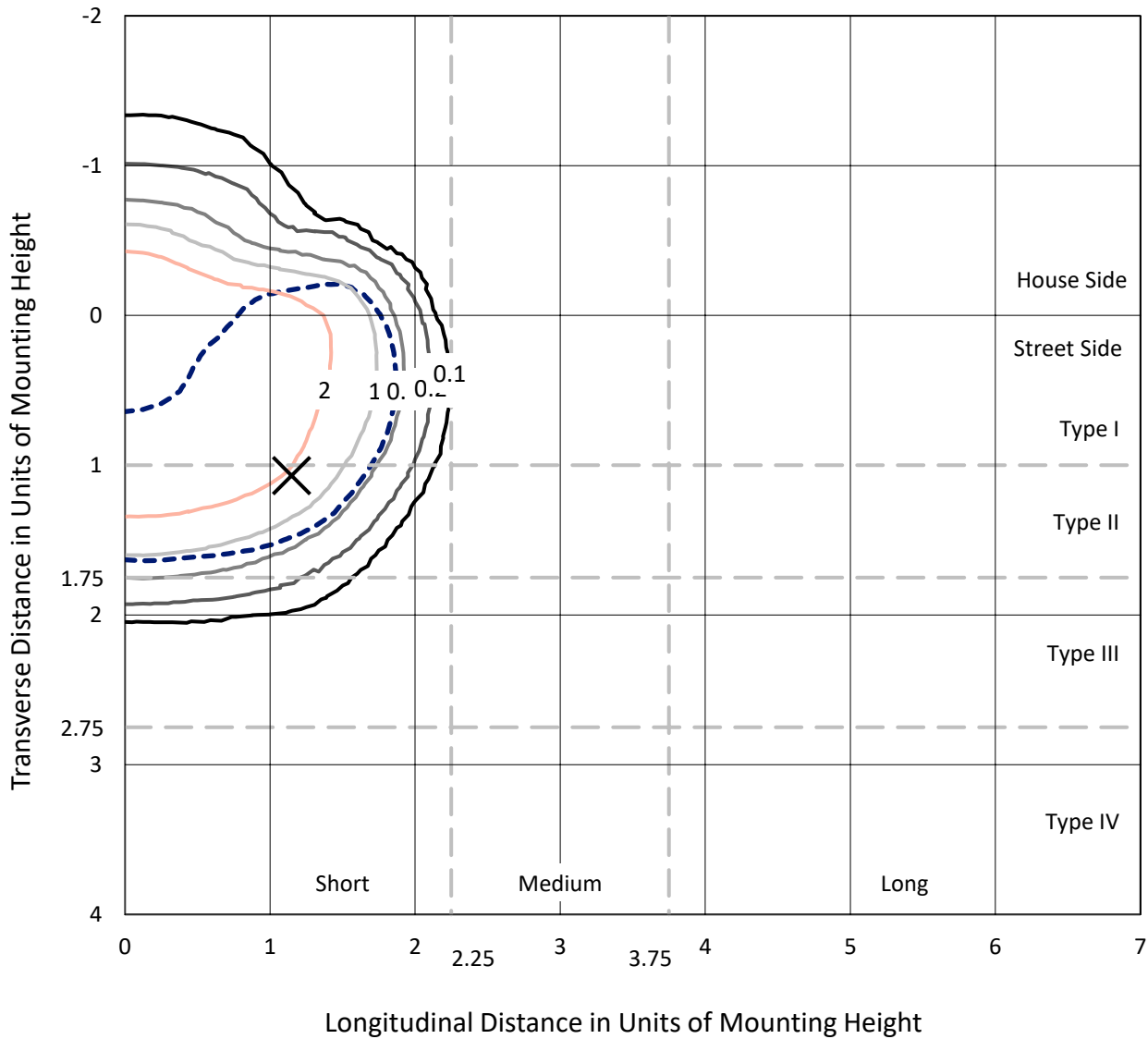
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

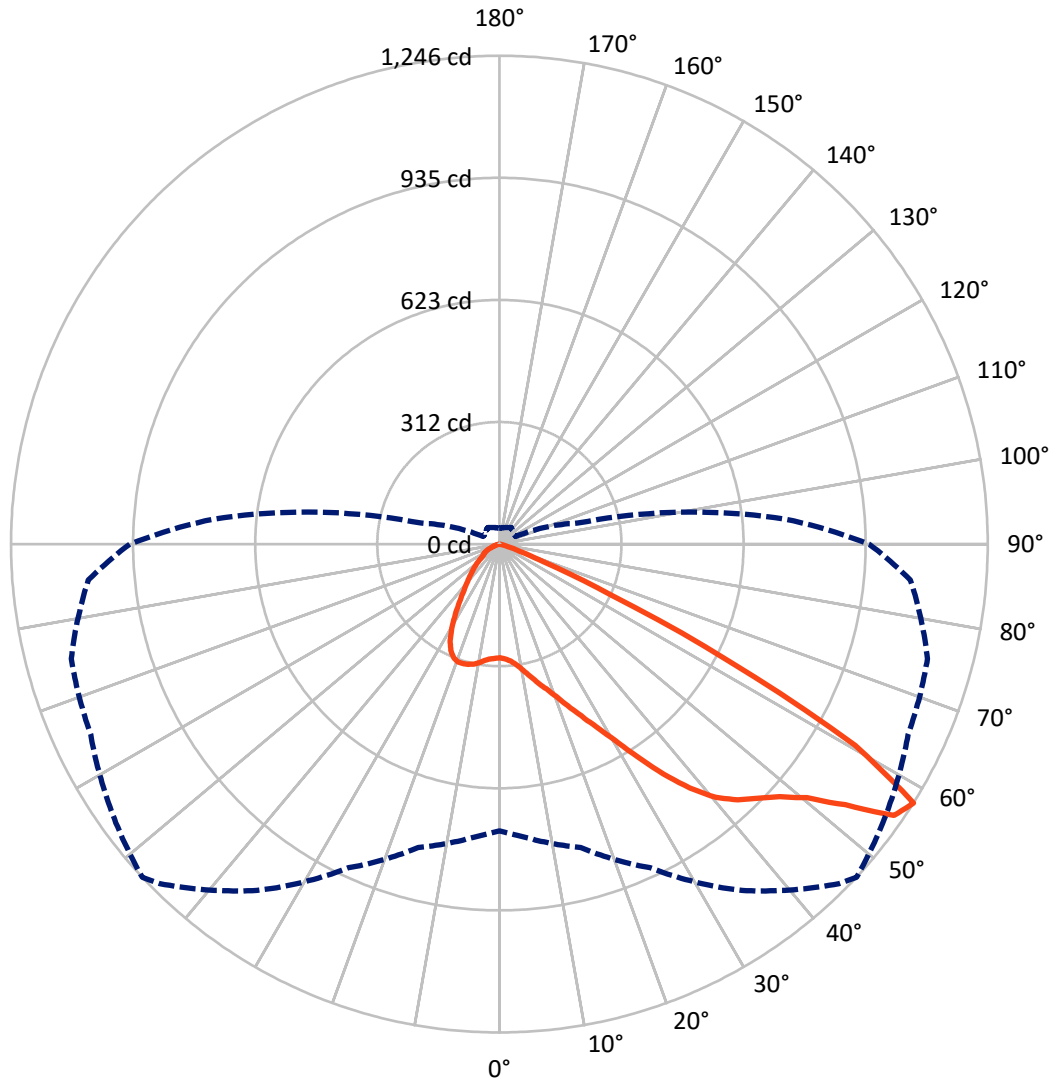
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	375.8	0.0	375.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1356.2	0.0	1356.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	1732.0	0.0	1732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	1.7
10°-20°	97.3	5.6
20°-30°	180.7	10.4
30°-40°	289.3	16.7
40°-50°	422.9	24.4
50°-60°	521.9	30.1
60°-70°	174.4	10.1
70°-80°	16.3	0.9
80°-90°	0.3	0.0
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°	1732.0	100.0
0°-180°	1732.0	100.0

Coefficient of Utilization



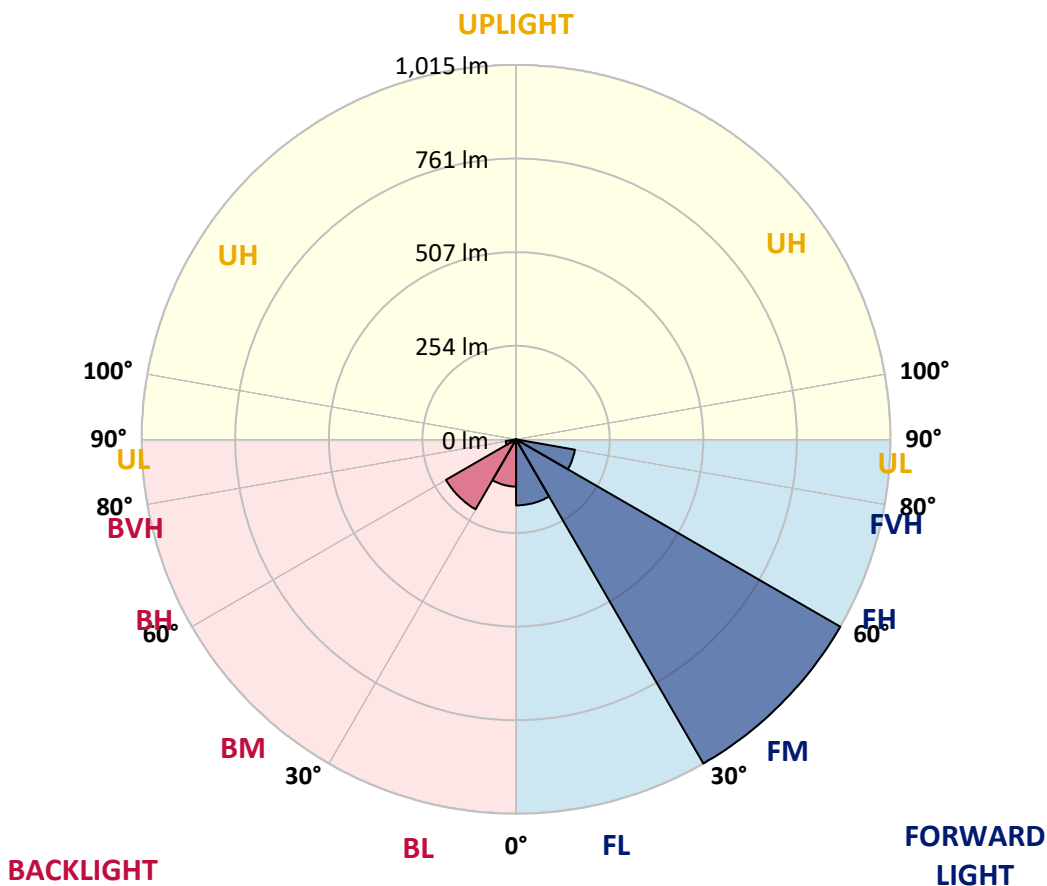
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.0	10.3			
FM (30°-60°)	1014.9	58.6			
FH (60°-80°)	162.1	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	127.9	7.4	B1/500		
BM (30°-60°)	219.2	12.7	B0/220		
BH (60°-80°)	28.6	1.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9
2.5°	293.0	292.8	292.6	293.8	293.4	293.2	293.6	293.6	293.6	292.4	289.9
5°	300.0	300.0	299.8	301.0	300.0	299.4	299.6	299.6	298.8	296.6	293.6
7.5°	311.1	310.6	310.2	311.5	310.4	310.2	310.6	309.4	308.0	304.4	300.2
10°	326.9	326.9	326.3	327.5	326.7	326.3	326.3	325.5	322.9	317.3	311.1
12.5°	348.9	347.8	346.4	345.4	345.0	344.8	345.0	343.8	341.0	333.8	325.1
15°	372.8	372.0	369.8	368.2	365.9	365.5	366.7	365.7	362.9	353.1	340.8
17.5°	402.9	403.9	398.3	394.9	388.5	388.1	388.5	390.1	388.1	375.4	357.5
20°	428.7	429.5	425.3	422.8	417.0	414.4	415.2	417.8	415.6	400.7	375.8
22.5°	456.2	457.2	452.8	447.8	445.2	445.2	448.2	451.8	448.8	429.3	396.7
25°	489.2	490.0	486.4	479.7	475.1	481.0	485.4	495.0	490.0	463.5	421.4
27.5°	527.0	527.2	522.0	515.1	512.7	523.6	528.0	542.9	540.9	501.9	447.6
30°	567.4	567.6	566.4	561.8	559.6	573.8	579.9	601.4	600.0	549.5	483.2
32.5°	609.4	609.4	611.6	611.2	613.9	637.2	646.8	671.4	670.0	607.8	527.4
35°	651.7	651.9	655.7	665.3	676.2	707.2	719.8	749.6	746.4	677.6	583.9
37.5°	699.7	697.7	702.9	717.4	741.5	777.3	789.4	817.7	814.1	749.0	657.7
40°	757.6	754.0	754.0	770.9	798.2	839.5	849.7	863.8	851.5	806.7	730.1
42.5°	821.6	818.1	813.7	828.6	851.5	883.7	892.1	888.3	878.3	861.2	812.5
45°	886.3	881.1	884.1	893.1	906.4	921.7	924.9	907.2	902.6	907.4	880.7
47.5°	935.6	931.9	939.4	952.1	962.9	965.1	962.9	938.4	938.0	955.1	927.9
50°	952.1	952.5	973.0	1000.7	1018.2	1020.0	1017.0	988.8	985.0	990.1	953.5
52.5°	953.7	955.3	985.2	1038.1	1085.8	1107.5	1105.1	1074.7	1037.3	1031.9	992.1
55°	914.9	924.3	966.1	1043.3	1144.7	1214.0	1222.1	1164.0	1108.5	1103.9	1075.1
57.5°	731.3	750.6	801.1	911.0	1078.9	1225.1	1246.0	1204.2	1150.5	1130.8	1052.8
60°	437.1	461.0	509.5	644.4	821.2	1006.9	1042.9	1048.8	1024.0	967.1	807.7
62.5°	187.6	185.6	245.3	348.7	488.4	640.0	656.3	681.6	703.1	643.6	490.2
65°	64.3	70.0	97.3	157.2	244.5	297.2	311.7	334.4	364.9	301.2	179.6
67.5°	39.8	42.2	56.1	92.9	131.9	129.9	123.5	119.8	116.6	79.8	49.3
70°	29.0	31.0	39.4	63.9	88.7	62.3	54.1	43.8	48.7	44.8	35.0
72.5°	19.5	21.1	27.1	38.8	45.4	30.4	28.1	32.0	38.6	36.8	28.6
75°	11.7	12.7	15.5	18.9	18.5	15.7	15.9	22.5	29.6	27.5	20.3
77.5°	8.0	8.4	10.3	12.3	9.0	4.8	4.4	6.2	10.1	10.1	6.8
80°	2.0	2.6	2.6	1.6	1.4	1.2	1.2	1.8	2.8	2.0	1.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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°	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9	289.9
2.5°	291.3	288.9	290.5	290.1	291.3	291.7	289.9	289.5	289.7	287.3	286.5
5°	294.2	291.3	292.2	291.3	292.8	294.0	293.4	294.2	295.2	293.4	292.6
7.5°	300.2	297.4	297.2	296.0	298.0	298.8	298.6	300.8	302.8	301.6	300.4
10°	310.6	306.8	306.4	305.4	306.0	306.6	304.4	304.8	306.6	305.2	304.6
12.5°	323.5	318.9	317.9	315.5	315.5	312.5	307.6	306.6	308.0	307.0	306.0
15°	337.4	331.2	329.5	325.3	321.3	315.7	310.6	309.4	310.4	309.2	308.4
17.5°	352.9	345.8	340.6	333.2	324.3	317.7	312.1	309.4	307.8	305.4	305.2
20°	368.2	358.9	350.1	338.2	326.5	316.5	307.2	300.4	294.6	290.9	289.5
22.5°	385.8	372.2	357.9	341.2	324.5	309.2	293.0	281.3	271.2	267.8	266.2
25°	404.7	387.1	365.7	344.0	317.7	293.2	271.0	253.7	240.5	236.1	234.2
27.5°	425.7	401.3	373.8	343.4	303.6	270.2	240.9	219.4	206.3	202.3	203.7
30°	452.2	419.8	383.8	337.2	282.5	238.1	203.7	185.6	175.7	171.9	172.1
32.5°	487.6	446.4	398.5	323.9	255.4	201.5	171.3	158.0	151.4	146.4	146.0
35°	538.3	486.8	412.2	302.6	222.4	168.9	147.0	136.5	127.3	121.4	122.4
37.5°	599.0	537.7	419.6	273.9	185.4	143.6	128.7	118.0	107.6	98.9	99.9
40°	671.0	604.2	419.0	236.1	151.6	126.3	113.4	100.9	87.9	80.0	80.8
42.5°	751.2	667.1	406.0	196.0	125.7	112.2	98.7	83.0	70.4	65.5	65.7
45°	820.8	718.2	383.0	154.6	105.8	98.5	83.4	67.4	61.7	58.3	58.1
47.5°	872.2	755.6	350.3	121.6	89.7	86.1	68.6	60.3	55.9	53.1	52.7
50°	901.0	768.7	314.1	95.3	75.8	73.0	61.3	54.7	51.7	49.9	49.5
52.5°	939.6	784.4	288.1	75.2	63.5	59.7	56.5	50.9	48.9	47.5	46.8
55°	1000.7	814.7	265.6	59.7	52.9	52.1	53.3	48.7	47.5	45.2	44.4
57.5°	943.2	731.9	206.3	46.2	44.6	47.7	51.5	46.4	43.4	41.4	40.6
60°	663.7	486.6	103.8	37.2	39.8	44.6	48.5	42.0	39.0	39.4	39.0
62.5°	365.9	243.5	46.6	31.2	34.6	39.4	41.4	36.4	34.4	37.8	38.4
65°	119.6	82.8	26.9	24.1	27.3	32.2	35.8	34.6	34.2	38.2	39.4
67.5°	36.8	27.3	18.3	17.3	18.9	23.7	30.2	37.4	40.2	41.4	42.0
70°	27.5	21.5	15.7	14.7	15.5	18.1	25.5	31.2	29.4	29.6	29.2
72.5°	22.1	17.1	13.5	12.9	12.9	12.5	13.5	16.9	19.1	20.1	20.1
75°	15.5	12.1	10.3	9.5	7.4	6.0	5.4	5.4	4.8	4.6	4.4
77.5°	5.2	4.4	4.0	3.2	2.2	1.8	1.6	1.4	1.0	0.6	0.4
80°	0.8	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.0	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)