

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: P628983

Luminaire Tested: GWS-SA1A-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628983
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1771.7 lumens
Efficiency: N/A
Efficacy: 89.9 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

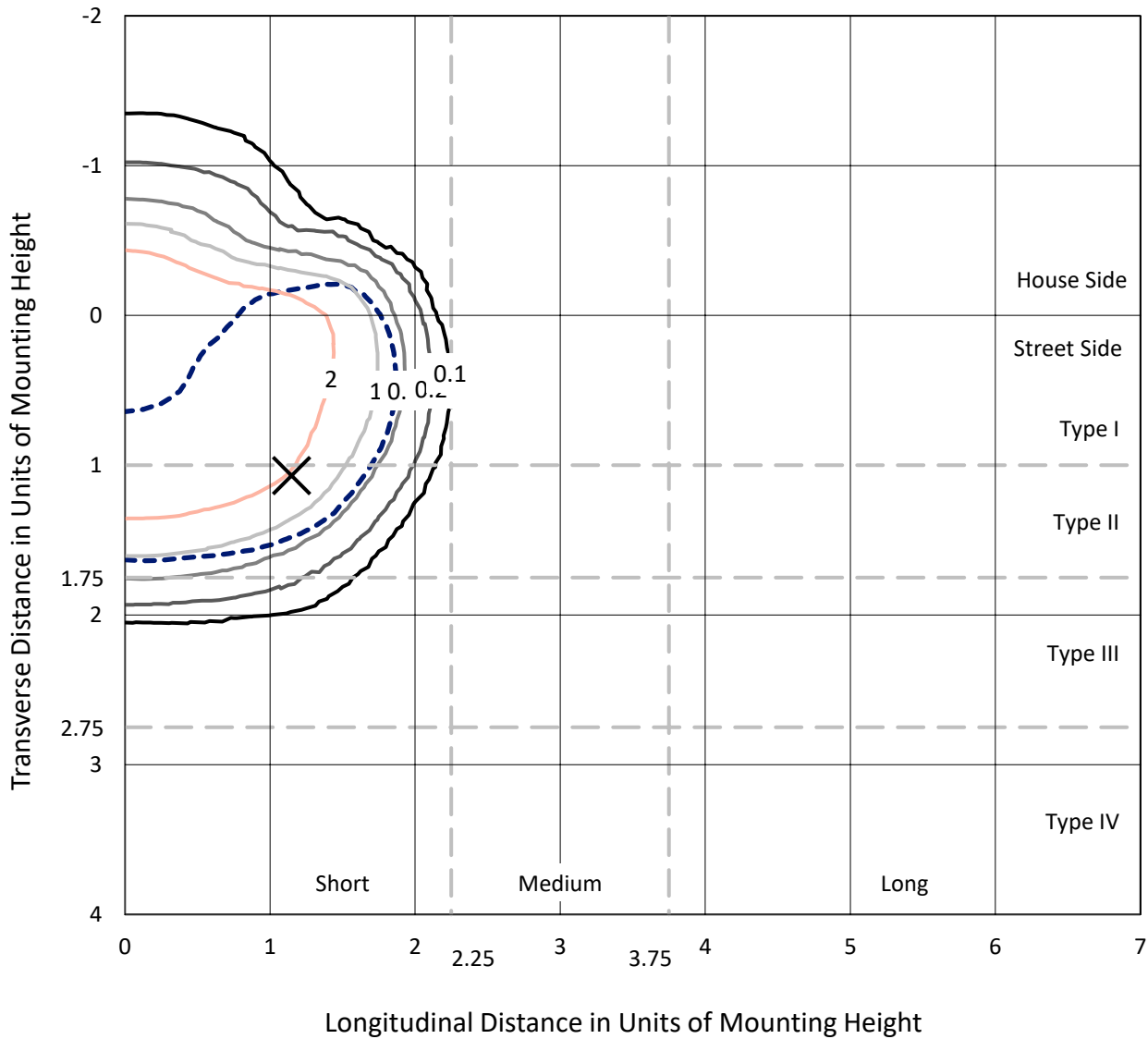
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

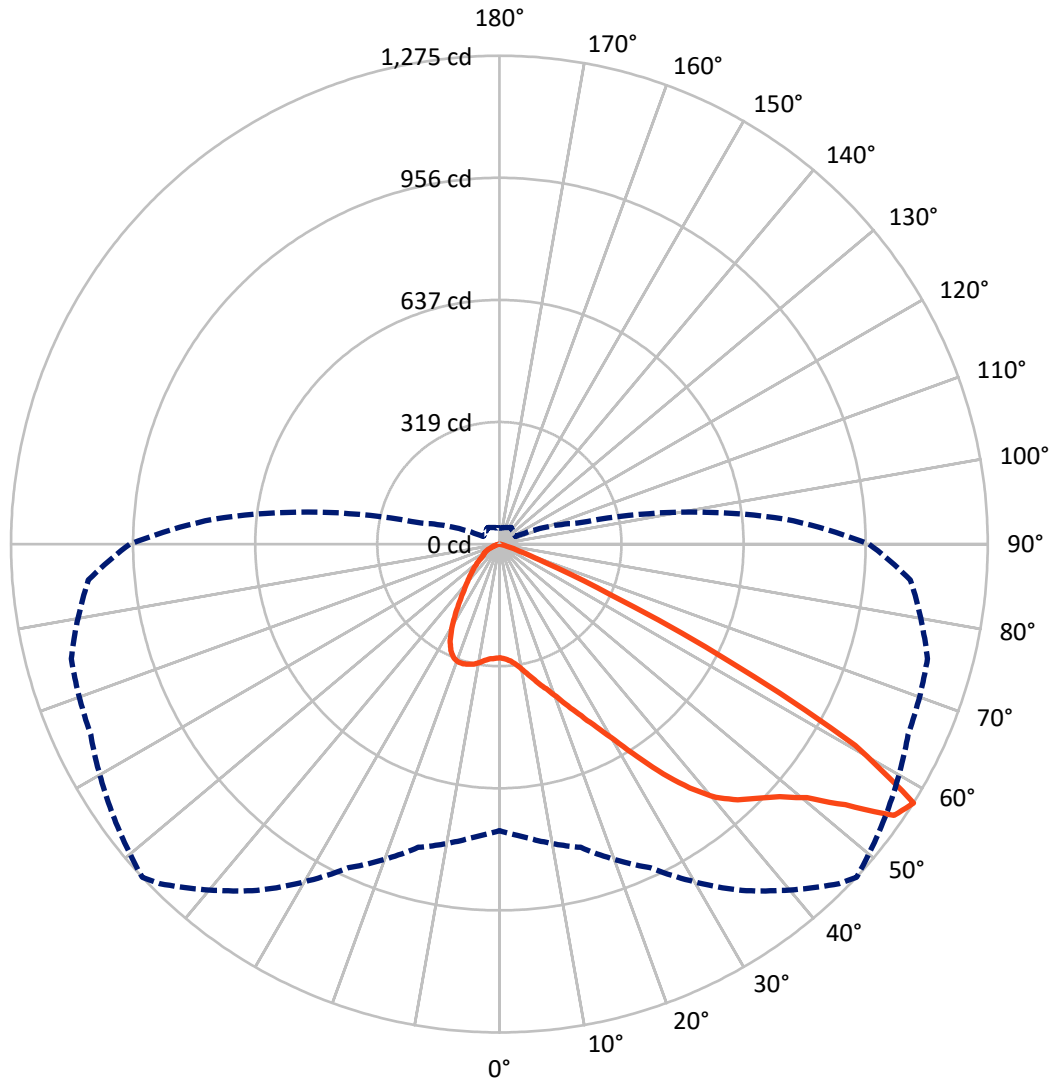
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 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	384.4	0.0	384.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1387.3	0.0	1387.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	1771.7	0.0	1771.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.7
10°-20°	99.6	5.6
20°-30°	184.9	10.4
30°-40°	295.9	16.7
40°-50°	432.6	24.4
50°-60°	533.9	30.1
60°-70°	178.4	10.1
70°-80°	16.6	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°	1771.7	100.0
0°-180°	1771.7	100.0

Coefficient of Utilization



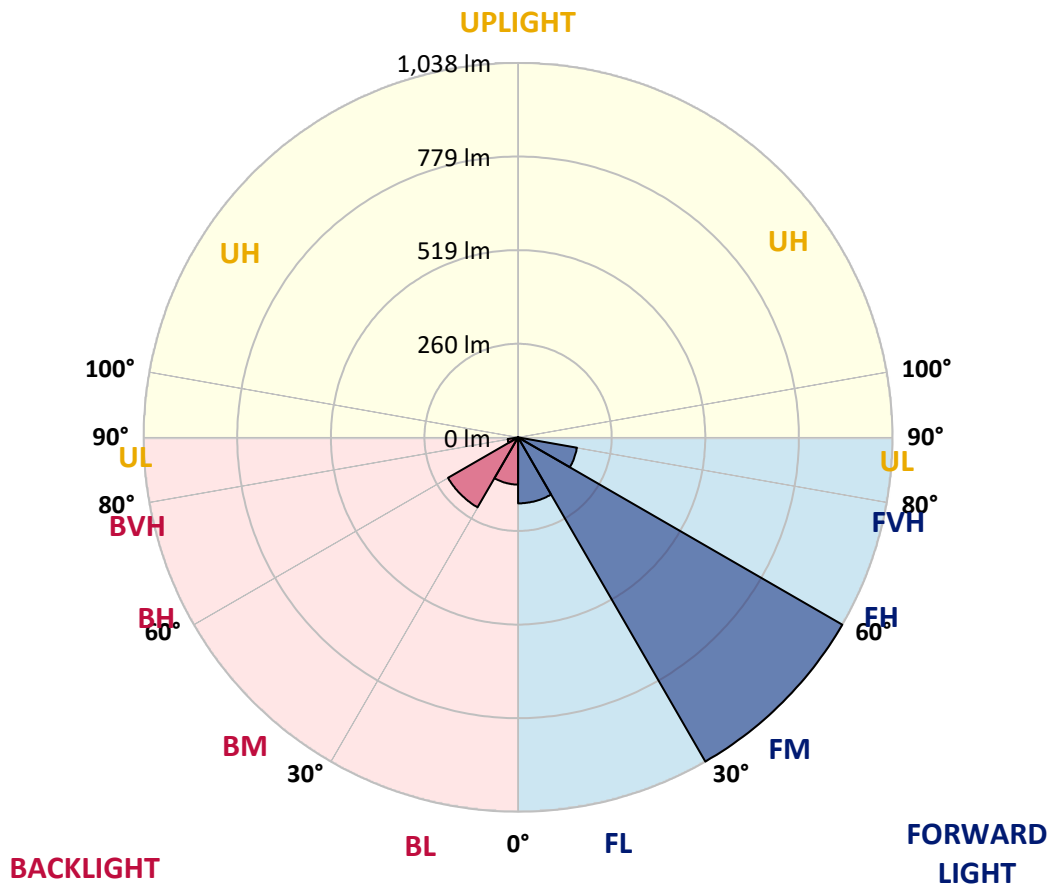
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.1	10.3			
FM (30°-60°)	1038.2	58.6			
FH (60°-80°)	165.8	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	130.8	7.4	B1/500		
BM (30°-60°)	224.2	12.7	B1/1000		
BH (60°-80°)	29.2	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°	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6
2.5°	299.7	299.5	299.3	300.5	300.1	299.9	300.3	300.3	300.3	299.1	296.6
5°	306.9	306.9	306.7	307.9	306.9	306.3	306.5	306.5	305.6	303.4	300.3
7.5°	318.2	317.8	317.4	318.6	317.6	317.4	317.8	316.5	315.1	311.4	307.1
10°	334.4	334.4	333.8	335.0	334.2	333.8	333.8	333.0	330.3	324.6	318.2
12.5°	356.8	355.8	354.4	353.4	352.9	352.7	352.9	351.7	348.8	341.4	332.6
15°	381.3	380.5	378.2	376.6	374.3	373.9	375.2	374.1	371.2	361.2	348.6
17.5°	412.2	413.2	407.4	403.9	397.4	397.0	397.4	399.0	397.0	384.0	365.7
20°	438.5	439.3	435.0	432.5	426.6	423.9	424.7	427.4	425.1	409.9	384.4
22.5°	466.7	467.7	463.2	458.0	455.4	455.4	458.5	462.2	459.1	439.1	405.8
25°	500.4	501.2	497.5	490.7	486.0	492.0	496.5	506.4	501.2	474.1	431.1
27.5°	539.1	539.3	533.9	526.9	524.5	535.6	540.1	555.3	553.3	513.4	457.8
30°	580.4	580.6	579.4	574.7	572.4	587.0	593.2	615.2	613.7	562.1	494.2
32.5°	623.4	623.4	625.7	625.3	627.9	651.8	661.7	686.8	685.3	621.8	539.5
35°	666.6	666.8	670.7	680.6	691.7	723.4	736.3	766.8	763.5	693.1	597.3
37.5°	715.8	713.7	719.0	733.9	758.5	795.1	807.5	836.5	832.8	766.1	672.8
40°	775.0	771.3	771.3	788.6	816.5	858.7	869.2	883.6	871.0	825.2	746.8
42.5°	840.4	836.9	832.4	847.6	871.0	903.9	912.6	908.7	898.4	880.9	831.1
45°	906.6	901.3	904.4	913.6	927.2	942.8	946.1	928.0	923.3	928.2	900.9
47.5°	957.0	953.3	960.9	973.9	985.0	987.2	985.0	959.9	959.5	977.0	949.2
50°	973.9	974.3	995.3	1023.6	1041.5	1043.4	1040.3	1011.5	1007.6	1012.7	975.3
52.5°	975.5	977.2	1007.8	1061.9	1110.6	1132.9	1130.4	1099.3	1061.1	1055.5	1014.8
55°	935.8	945.5	988.3	1067.3	1170.9	1241.9	1250.1	1190.7	1133.9	1129.2	1099.7
57.5°	748.0	767.8	819.4	931.9	1103.7	1253.2	1274.6	1231.8	1176.9	1156.7	1076.9
60°	447.1	471.6	521.2	659.2	840.0	1030.0	1066.8	1072.8	1047.5	989.3	826.2
62.5°	191.9	189.8	250.9	356.6	499.6	654.7	671.3	697.2	719.2	658.4	501.4
65°	65.8	71.6	99.5	160.8	250.1	304.0	318.8	342.0	373.3	308.1	183.7
67.5°	40.7	43.2	57.4	95.0	134.9	132.9	126.3	122.6	119.3	81.7	50.4
70°	29.6	31.7	40.3	65.4	90.7	63.8	55.3	44.8	49.8	45.9	35.8
72.5°	20.0	21.6	27.8	39.7	46.5	31.1	28.8	32.7	39.5	37.6	29.2
75°	11.9	13.0	15.8	19.3	18.9	16.0	16.2	23.0	30.2	28.2	20.8
77.5°	8.2	8.6	10.5	12.5	9.3	4.9	4.5	6.4	10.3	10.3	7.0
80°	2.1	2.7	2.7	1.6	1.4	1.2	1.2	1.9	2.9	2.1	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°	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6	296.6
2.5°	298.0	295.6	297.2	296.8	298.0	298.4	296.6	296.2	296.4	293.9	293.1
5°	300.9	298.0	298.8	298.0	299.5	300.7	300.1	300.9	301.9	300.1	299.3
7.5°	307.1	304.2	304.0	302.8	304.8	305.6	305.4	307.7	309.7	308.5	307.3
10°	317.8	313.9	313.4	312.4	313.0	313.7	311.4	311.8	313.7	312.2	311.6
12.5°	330.9	326.2	325.2	322.7	322.7	319.6	314.7	313.7	315.1	314.1	313.0
15°	345.1	338.7	337.1	332.8	328.7	322.9	317.8	316.5	317.6	316.3	315.5
17.5°	361.0	353.8	348.4	340.8	331.8	325.0	319.2	316.5	314.9	312.4	312.2
20°	376.6	367.1	358.1	345.9	334.0	323.7	314.3	307.3	301.3	297.6	296.2
22.5°	394.7	380.7	366.1	349.0	332.0	316.3	299.7	287.7	277.5	274.0	272.3
25°	414.0	395.9	374.1	351.9	325.0	299.9	277.3	259.6	246.0	241.5	239.6
27.5°	435.4	410.5	382.4	351.3	310.6	276.4	246.4	224.4	211.0	206.9	208.3
30°	462.6	429.5	392.6	344.9	289.0	243.5	208.3	189.8	179.8	175.9	176.1
32.5°	498.8	456.6	407.6	331.3	261.2	206.1	175.2	161.7	154.9	149.7	149.3
35°	550.6	497.9	421.6	309.5	227.5	172.8	150.3	139.7	130.2	124.2	125.3
37.5°	612.7	550.0	429.2	280.1	189.6	146.9	131.6	120.7	110.0	101.2	102.2
40°	686.3	618.1	428.6	241.5	155.1	129.2	116.0	103.2	89.9	81.9	82.7
42.5°	768.4	682.4	415.3	200.5	128.5	114.8	101.0	84.9	72.0	67.1	67.3
45°	839.6	734.7	391.8	158.2	108.2	100.8	85.4	68.9	63.1	59.6	59.4
47.5°	892.2	772.9	358.3	124.4	91.7	88.0	70.1	61.7	57.2	54.3	53.9
50°	921.6	786.3	321.3	97.5	77.5	74.7	62.7	55.9	52.9	51.0	50.6
52.5°	961.1	802.3	294.7	76.9	65.0	61.1	57.8	52.0	50.0	48.5	47.9
55°	1023.6	833.4	271.7	61.1	54.1	53.3	54.5	49.8	48.5	46.3	45.5
57.5°	964.8	748.7	211.0	47.3	45.7	48.7	52.7	47.5	44.4	42.4	41.5
60°	678.9	497.7	106.1	38.1	40.7	45.7	49.6	43.0	39.9	40.3	39.9
62.5°	374.3	249.1	47.7	31.9	35.4	40.3	42.4	37.2	35.2	38.7	39.3
65°	122.4	84.7	27.6	24.7	28.0	32.9	36.6	35.4	35.0	39.1	40.3
67.5°	37.6	28.0	18.7	17.7	19.3	24.3	30.9	38.3	41.1	42.4	43.0
70°	28.2	22.0	16.0	15.0	15.8	18.5	26.1	31.9	30.0	30.2	29.8
72.5°	22.6	17.5	13.8	13.2	13.2	12.8	13.8	17.3	19.5	20.6	20.6
75°	15.8	12.3	10.5	9.7	7.6	6.2	5.6	5.6	4.9	4.7	4.5
77.5°	5.3	4.5	4.1	3.3	2.3	1.9	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)