

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: P629127

Luminaire Tested: GWS-SA1B-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2138.2 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

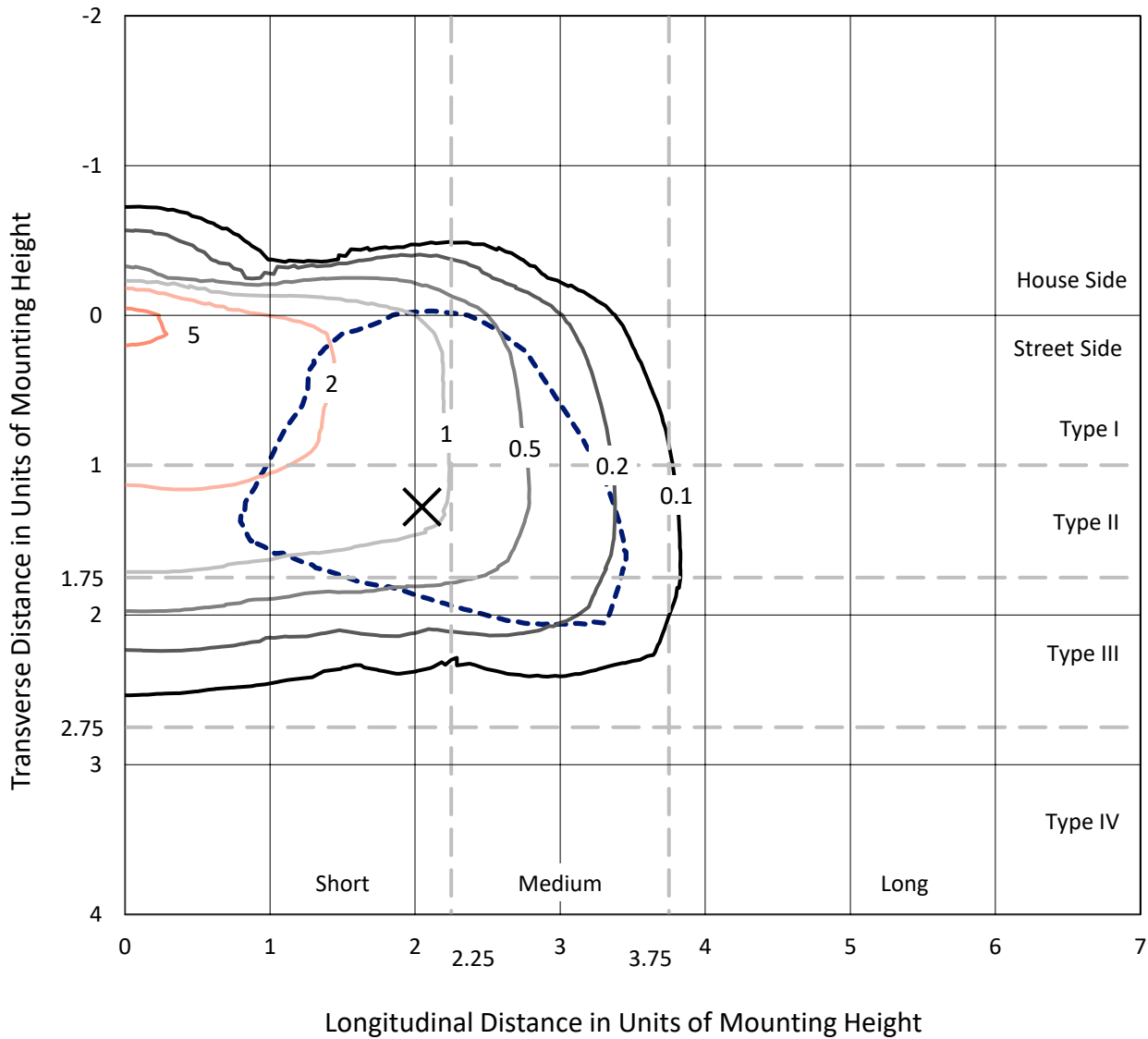
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

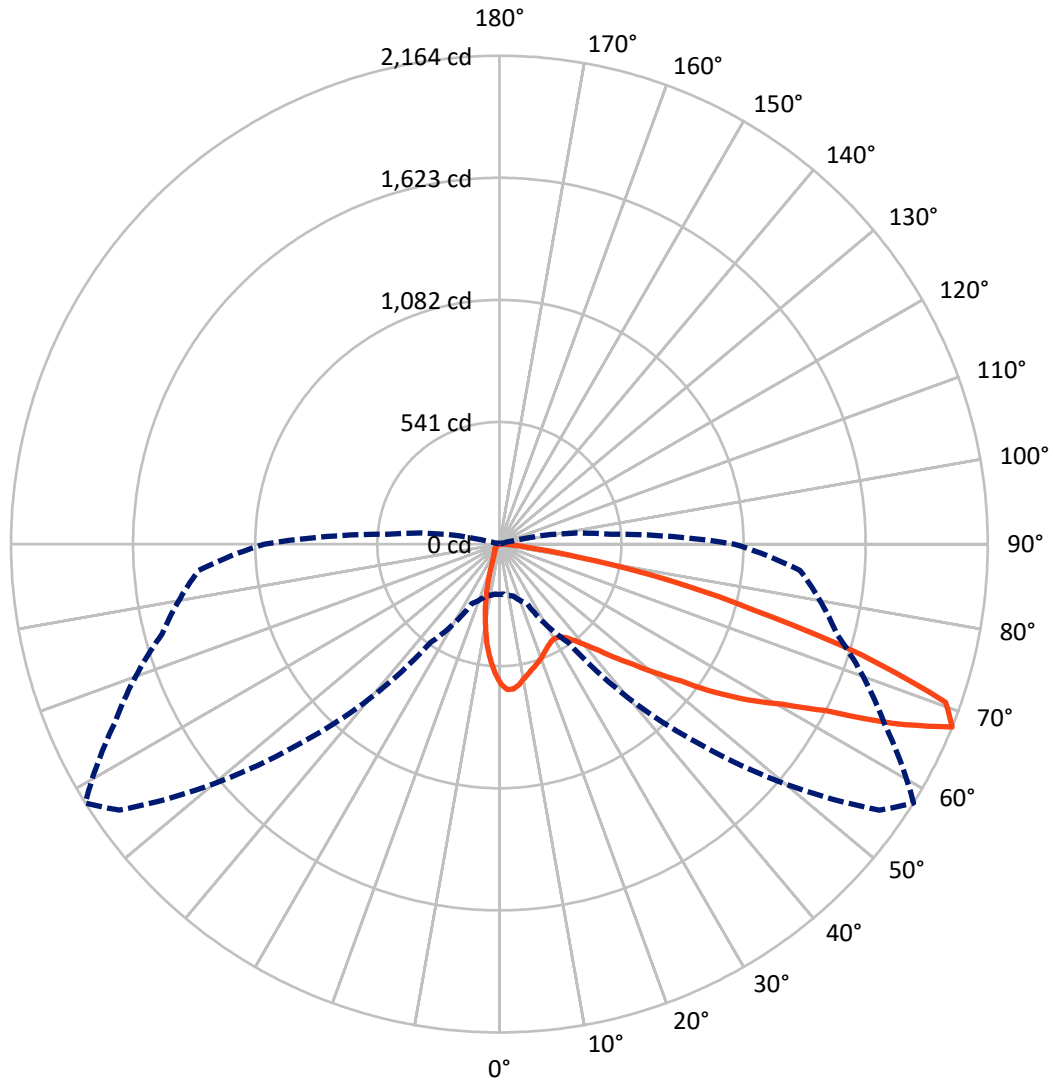
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	208.9	0.0	208.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	1929.3	0.0	1929.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	2138.2	0.0	2138.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	2.3
10°-20°	104.3	4.9
20°-30°	140.7	6.6
30°-40°	197.7	9.2
40°-50°	305.3	14.3
50°-60°	488.3	22.8
60°-70°	578.1	27.0
70°-80°	255.8	12.0
80°-90°	17.9	0.8
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°	2138.2	100.0
0°-180°	2138.2	100.0

Coefficient of Utilization



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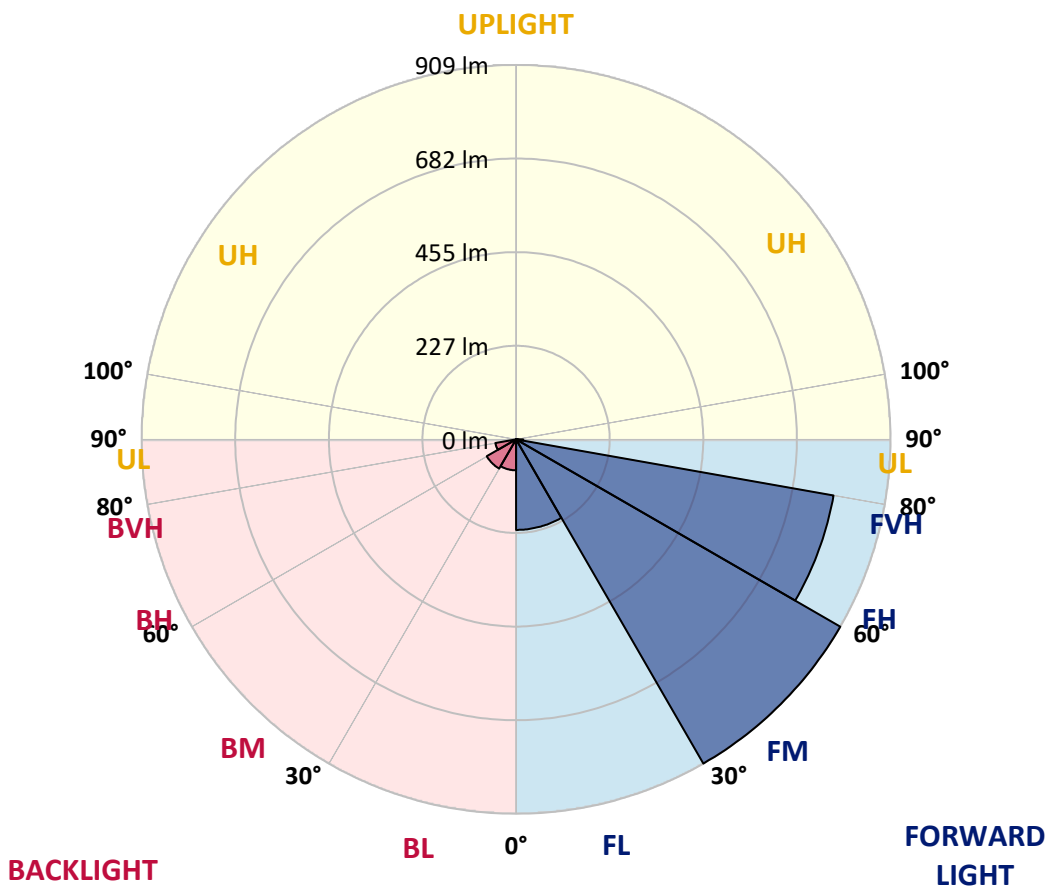
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.0	10.3			
FM (30°-60°)	909.3	42.5			
FH (60°-80°)	782.9	36.6			G1/1800
FVH (80°-90°)	17.1	0.8			G1/100
BL (0°-30°)	75.2	3.5	B0/110		
BM (30°-60°)	82.0	3.8	B0/220		
BH (60°-80°)	51.0	2.4	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
2.5°	648.7	649.9	651.4	653.3	652.9	651.2	649.1	644.4	641.4	631.9	620.4
5°	627.9	627.7	631.5	635.1	641.5	645.0	649.7	645.3	643.8	632.5	613.7
7.5°	587.2	589.3	593.7	599.3	608.6	618.6	630.0	628.7	633.2	625.7	602.4
10°	547.3	546.2	553.0	561.5	575.7	588.6	605.0	604.8	616.8	616.0	589.5
12.5°	512.3	512.1	517.4	527.1	543.7	561.7	584.0	584.6	599.3	605.4	578.5
15°	482.8	483.1	488.3	498.3	515.5	537.5	563.4	568.1	584.8	597.1	567.7
17.5°	461.8	462.0	465.0	473.7	490.5	514.0	545.2	551.7	573.0	590.8	559.0
20°	452.1	451.4	451.9	456.3	469.3	490.7	526.7	535.0	562.3	586.5	551.1
22.5°	453.4	452.3	449.7	449.1	455.0	471.2	507.0	517.2	550.5	583.8	543.9
25°	465.2	462.7	458.9	453.2	451.0	459.1	489.8	500.4	539.5	584.0	538.4
27.5°	483.1	480.5	475.8	468.2	459.3	455.9	478.0	488.1	531.8	588.4	535.8
30°	506.0	504.0	499.4	490.3	478.4	464.4	475.6	483.9	528.0	597.3	536.9
32.5°	533.1	531.6	527.8	519.5	505.9	484.5	483.9	490.3	531.0	610.1	541.2
35°	559.2	559.8	560.0	555.4	540.9	514.9	506.8	509.1	543.5	629.4	551.1
37.5°	587.4	586.1	592.9	596.1	582.1	554.5	542.2	542.4	567.4	658.0	569.6
40°	608.8	609.2	623.9	637.2	631.3	604.6	587.0	586.9	604.1	697.2	599.5
42.5°	628.9	631.3	653.1	675.8	683.9	660.3	647.6	642.9	655.6	750.2	644.4
45°	650.3	653.8	684.3	716.7	738.1	724.1	714.0	715.9	717.4	811.9	704.8
47.5°	675.2	677.5	715.2	760.8	800.7	797.1	797.7	795.4	794.6	889.7	784.6
50°	705.5	710.8	754.2	808.7	863.2	887.0	895.0	895.9	883.6	974.4	867.3
52.5°	769.9	776.3	813.4	861.1	931.3	981.4	1013.8	1007.4	988.4	1056.6	958.0
55°	845.7	850.7	886.4	935.8	1014.6	1085.0	1161.8	1159.1	1112.8	1143.1	1032.5
57.5°	852.9	858.4	913.9	989.6	1121.5	1212.9	1293.7	1302.2	1234.3	1204.4	1099.1
60°	772.1	783.3	859.0	960.8	1162.4	1384.9	1438.3	1440.0	1323.4	1266.6	1180.5
62.5°	618.8	624.1	700.4	833.3	1099.3	1485.2	1659.1	1623.2	1437.9	1363.0	1309.4
65°	324.4	345.9	412.4	559.4	891.5	1450.2	1924.8	1915.0	1643.8	1500.9	1409.7
67.5°	222.6	222.4	238.1	291.6	531.6	1248.7	2055.2	2163.5	1881.9	1548.2	1337.0
70°	169.4	169.9	183.9	218.8	275.4	831.2	1912.2	2097.2	1926.2	1405.7	1081.4
72.5°	112.4	113.5	136.8	176.8	219.9	407.4	1486.0	1678.1	1620.7	1129.0	761.2
75°	67.2	68.1	84.8	128.5	195.5	228.0	944.2	1160.1	1115.6	778.2	408.0
77.5°	27.6	28.4	43.5	80.1	143.1	177.1	522.1	759.1	668.2	309.4	111.5
80°	11.5	11.9	21.0	56.0	103.1	111.1	241.9	356.7	273.8	66.6	34.1
82.5°	4.2	4.4	7.8	30.8	64.2	83.6	122.1	141.0	77.2	21.8	18.4
85°	0.2	0.2	1.9	10.4	24.4	23.7	69.8	67.6	25.5	9.1	11.0
87.5°	0.0	0.0	0.2	0.2	0.4	0.9	6.6	11.7	5.5	2.3	4.7
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°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
2.5°	612.8	602.8	591.8	581.6	565.3	555.6	543.7	538.4	530.8	528.9	530.1
5°	600.3	583.1	556.8	532.9	502.1	477.3	452.3	441.7	428.1	419.0	415.2
7.5°	582.7	560.2	519.1	475.8	433.4	388.1	353.7	331.0	310.4	299.0	296.7
10°	564.9	535.6	476.7	414.6	349.0	294.8	248.3	213.8	185.8	173.2	163.3
12.5°	546.5	510.0	433.6	352.6	276.3	202.5	145.0	111.5	91.4	83.5	84.8
15°	529.7	485.4	390.8	290.5	194.5	122.3	80.1	67.6	62.8	61.3	61.1
17.5°	513.6	462.1	348.2	230.1	128.3	74.9	61.3	58.3	57.0	56.2	56.2
20°	499.0	439.8	306.6	173.4	82.9	59.4	55.4	53.9	52.8	52.2	52.2
22.5°	485.4	418.2	265.9	122.6	61.1	53.4	50.9	49.4	48.1	47.3	47.3
25°	473.1	398.7	227.1	84.4	52.6	48.8	46.2	44.5	42.2	40.9	40.9
27.5°	464.2	381.3	189.8	61.5	47.5	43.9	40.9	38.6	36.1	34.6	34.3
30°	458.9	366.6	152.2	50.5	42.8	39.2	35.8	32.9	30.1	28.6	28.4
32.5°	455.9	352.9	117.7	44.1	38.8	34.6	30.8	27.8	25.0	23.3	23.1
35°	457.0	342.3	88.2	39.7	35.0	30.7	26.5	23.5	21.0	19.5	19.1
37.5°	466.9	337.6	66.2	36.3	31.8	27.3	22.9	20.1	17.8	16.7	16.5
40°	486.0	338.6	52.0	33.7	29.1	23.8	19.7	17.0	15.3	14.4	14.2
42.5°	515.7	346.5	43.0	31.4	26.3	20.8	17.0	15.0	13.2	12.3	12.1
45°	560.0	363.0	37.5	28.8	23.3	18.0	14.8	12.9	11.4	10.2	10.0
47.5°	624.1	391.6	33.9	26.3	20.6	15.5	12.7	10.8	9.5	8.5	8.3
50°	692.5	425.8	30.8	23.8	18.4	13.4	10.8	8.9	7.8	6.8	6.6
52.5°	765.3	462.7	28.6	21.6	16.3	11.5	9.1	7.4	6.2	5.3	5.1
55°	835.3	499.8	25.9	20.1	13.8	9.8	7.6	6.1	4.9	4.2	4.2
57.5°	903.5	533.9	23.1	17.6	11.4	8.3	6.2	4.9	4.0	3.4	3.2
60°	984.8	581.0	19.9	15.0	9.5	7.0	5.1	4.0	3.2	2.6	2.6
62.5°	1105.8	630.0	17.0	12.5	7.9	5.9	4.2	3.2	2.6	2.3	2.1
65°	1145.3	603.5	14.4	10.2	6.4	4.7	3.4	2.8	2.3	2.1	1.9
67.5°	1039.7	494.7	11.9	8.3	5.3	4.0	3.0	2.5	2.1	1.9	1.7
70°	811.3	351.1	9.3	6.2	4.4	3.2	2.6	2.3	1.9	1.7	1.7
72.5°	551.8	207.6	7.4	4.7	3.6	2.8	2.3	2.1	1.9	1.7	1.5
75°	271.8	73.8	5.7	3.6	2.8	2.5	2.1	1.9	1.7	1.5	1.5
77.5°	73.2	20.4	4.4	2.8	2.3	1.9	1.9	1.9	1.7	1.3	1.3
80°	24.8	8.5	3.2	2.1	1.9	1.5	1.3	1.7	1.5	1.3	1.1
82.5°	13.6	4.2	2.3	1.7	1.3	1.1	1.1	1.1	1.1	0.9	0.9
85°	8.7	2.3	1.5	1.3	1.3	0.9	0.8	0.8	0.6	0.6	0.6
87.5°	4.0	1.3	1.3	1.1	1.1	0.9	0.6	0.4	0.2	0.2	0.2
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)