

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: P629150

Luminaire Tested: GWS-SA1B-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.1 lumens
Efficiency: N/A
Efficacy: 77.5 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

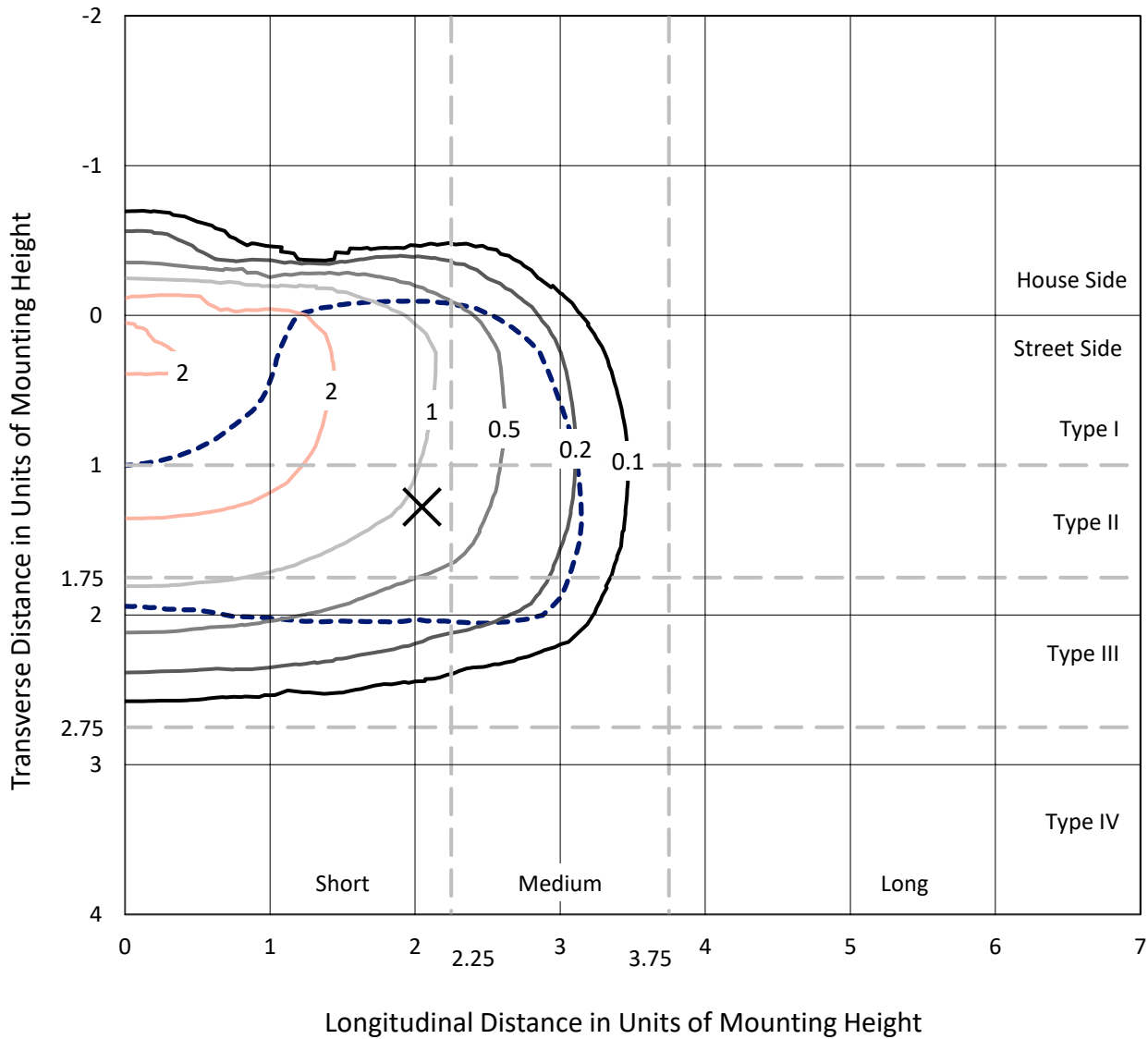
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

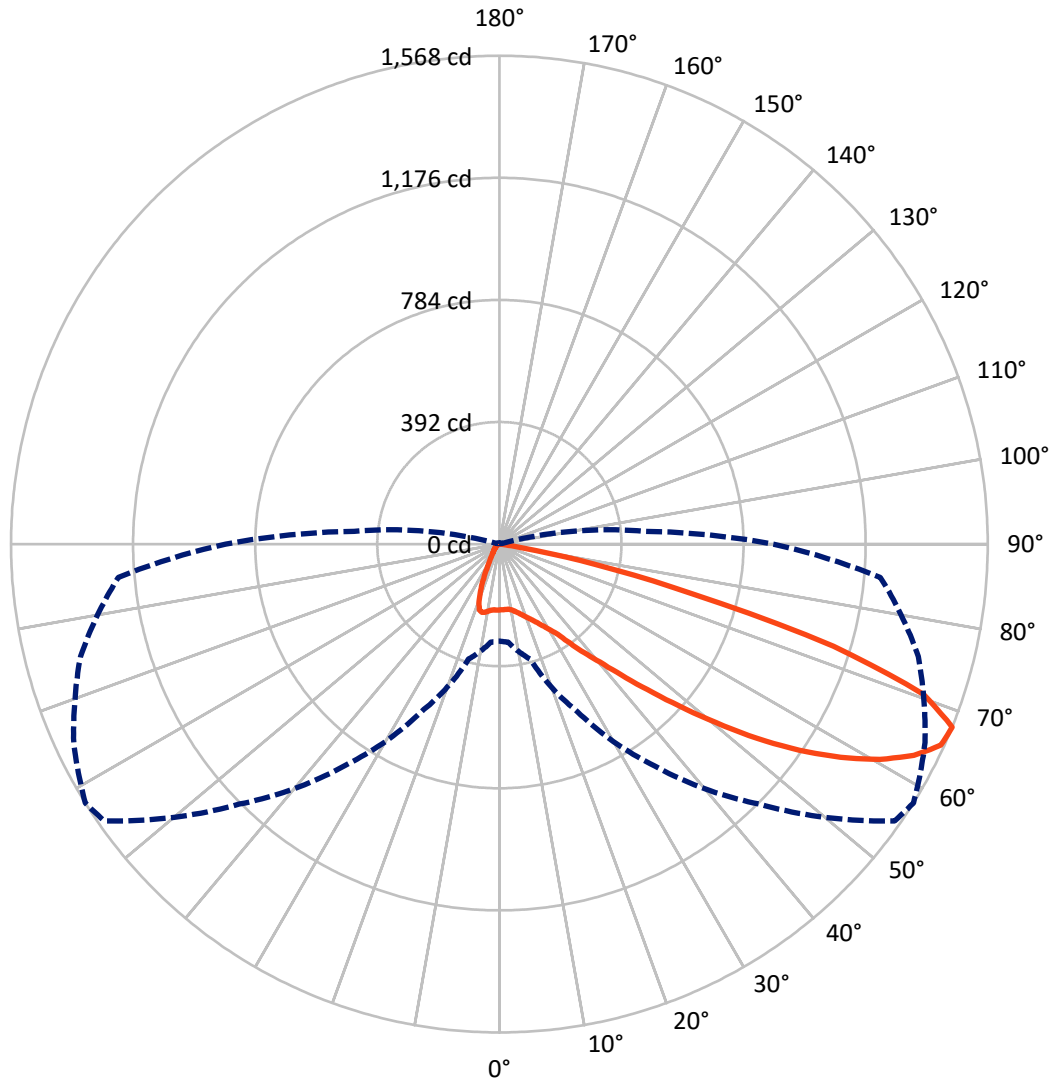
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.9 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	211.4	0.0	211.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1726.7	0.0	1726.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	1938.1	0.0	1938.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.0
10°-20°	55.7	2.9
20°-30°	97.2	5.0
30°-40°	173.6	9.0
40°-50°	317.4	16.4
50°-60°	527.8	27.2
60°-70°	573.3	29.6
70°-80°	168.3	8.7
80°-90°	4.8	0.2
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°	1938.1	100.0
0°-180°	1938.1	100.0

Coefficient of Utilization



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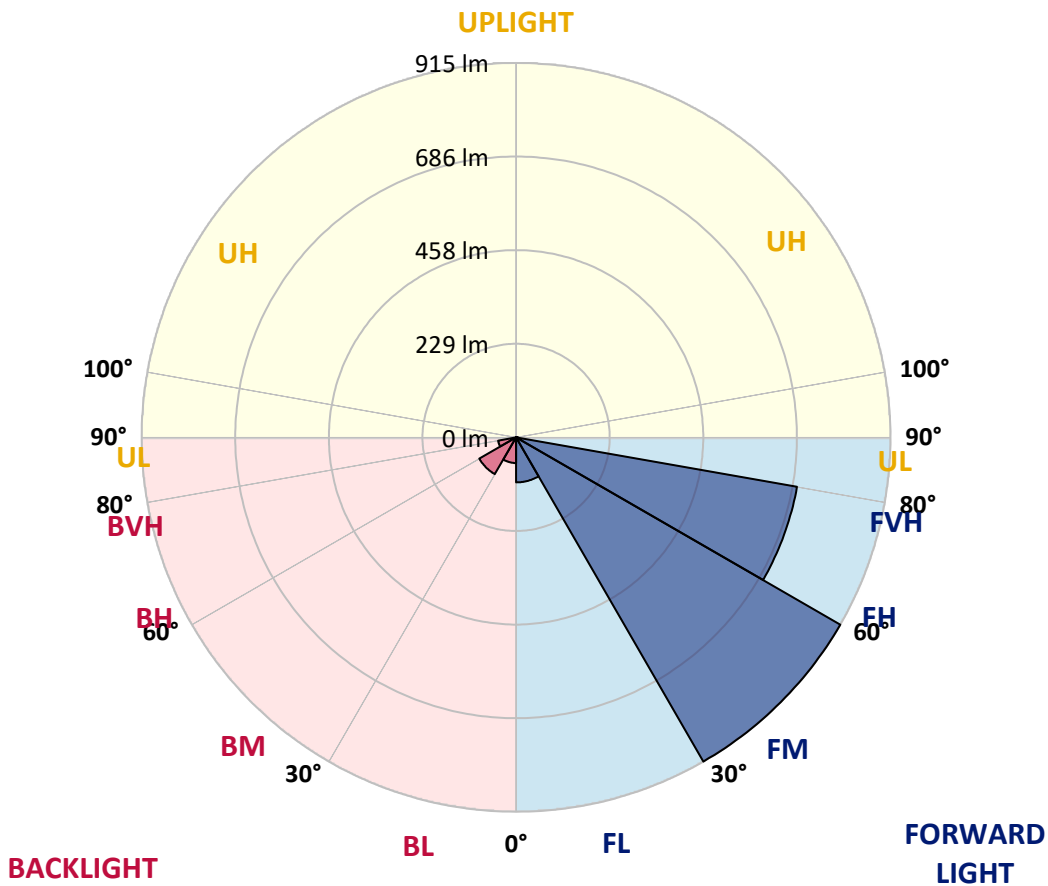
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.1	5.7			
FM (30°-60°)	915.0	47.2			
FH (60°-80°)	697.0	36.0			G1/1800
FVH (80°-90°)	4.6	0.2			G0/10
BL (0°-30°)	62.7	3.2	B0/110		
BM (30°-60°)	103.8	5.4	B0/220		
BH (60°-80°)	44.6	2.3	B0/110		G0/110
BVH (80°-90°)	0.2	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°	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2
2.5°	207.2	206.8	206.8	208.4	208.5	209.3	211.0	211.2	212.1	211.8	210.4
5°	196.4	196.6	197.8	200.4	202.7	205.5	209.7	210.6	212.7	213.8	213.1
7.5°	186.4	186.6	188.3	192.5	196.8	202.5	209.3	211.2	215.4	218.4	218.6
10°	182.6	182.4	184.1	188.9	194.5	202.5	212.3	214.8	221.0	226.3	227.3
12.5°	183.8	183.6	185.3	189.6	195.9	205.9	217.6	221.0	229.0	237.1	238.8
15°	188.3	188.1	189.2	192.8	199.7	210.1	224.4	229.6	239.6	249.4	252.1
17.5°	201.9	201.0	199.8	200.2	204.2	215.0	233.1	239.4	251.9	263.6	265.9
20°	226.1	223.7	220.7	216.7	214.8	222.2	243.2	250.4	265.5	278.9	279.3
22.5°	262.7	261.7	254.7	243.2	235.0	235.2	254.9	263.2	281.8	296.5	294.5
25°	313.6	313.0	302.2	283.3	262.1	254.9	269.9	278.4	301.1	316.8	310.2
27.5°	376.8	372.8	360.1	334.6	303.0	280.5	288.8	296.4	321.5	336.3	323.8
30°	431.9	432.0	420.1	393.4	357.9	318.9	311.9	318.5	340.3	355.8	340.6
32.5°	484.8	486.5	473.5	449.5	410.5	369.0	345.0	346.1	364.3	381.1	362.8
35°	534.0	535.4	526.3	505.8	469.5	421.4	391.2	390.6	400.4	417.7	393.6
37.5°	589.1	590.4	581.5	563.2	529.1	481.4	443.6	442.8	446.8	460.8	433.4
40°	647.8	650.2	640.4	624.9	592.3	552.0	504.5	497.7	493.7	510.2	484.8
42.5°	707.2	711.0	707.6	692.1	664.2	630.9	583.6	573.0	564.5	585.1	558.3
45°	781.0	785.5	784.0	772.1	750.5	723.5	678.8	666.5	662.5	681.7	649.7
47.5°	852.0	856.9	862.4	859.7	844.4	831.9	782.3	775.3	774.2	794.6	745.0
50°	904.8	909.3	930.3	945.5	955.9	953.2	910.3	899.8	898.1	911.2	845.7
52.5°	942.6	947.0	975.9	1023.2	1061.5	1082.3	1038.9	1036.7	1027.4	1022.9	940.0
55°	972.0	978.0	1008.5	1080.0	1157.0	1203.2	1176.1	1168.0	1144.2	1118.0	1027.4
57.5°	977.8	980.3	1023.2	1119.7	1231.2	1306.0	1306.0	1291.8	1245.8	1209.6	1128.5
60°	925.2	932.8	990.9	1116.5	1263.0	1373.1	1413.6	1403.8	1341.7	1297.3	1225.7
62.5°	808.4	817.0	887.7	1039.5	1231.2	1387.0	1495.2	1493.7	1423.7	1369.7	1306.3
65°	620.0	626.2	687.9	869.6	1096.9	1333.8	1553.5	1557.7	1488.4	1417.6	1334.2
67.5°	311.5	315.8	382.5	594.0	869.4	1180.7	1549.5	1568.1	1508.1	1392.3	1228.0
70°	108.8	113.2	144.6	254.9	529.1	901.6	1415.5	1445.8	1392.4	1188.4	905.9
72.5°	37.3	39.4	60.0	94.6	205.9	534.4	1076.4	1122.0	1026.5	797.8	520.6
75°	21.2	22.5	32.2	51.3	86.3	175.8	610.7	638.7	598.4	434.9	214.2
77.5°	14.4	15.5	20.1	29.1	47.7	56.6	249.0	313.6	273.5	141.9	54.7
80°	8.5	9.3	12.3	17.2	24.4	22.0	53.4	71.0	91.4	42.4	16.5
82.5°	4.0	4.5	7.9	11.4	12.3	9.3	15.7	19.1	25.7	20.8	6.8
85°	0.0	0.0	2.6	4.7	4.5	2.6	4.4	4.7	7.0	10.4	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	1.1	2.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2	211.2
2.5°	212.0	210.6	212.1	211.4	212.1	212.0	210.4	209.5	209.5	207.8	207.2
5°	214.6	213.3	213.7	212.0	211.6	210.6	208.7	208.0	208.0	206.3	205.7
7.5°	220.5	218.4	218.0	214.6	213.1	210.4	207.0	205.7	205.5	203.8	203.2
10°	229.7	227.3	225.6	221.2	216.9	211.6	204.4	198.3	194.9	190.4	190.0
12.5°	241.1	238.1	235.4	228.8	221.6	209.7	188.5	166.3	152.7	141.9	142.7
15°	253.8	250.9	246.8	236.7	222.0	190.9	146.7	112.6	95.9	87.1	86.7
17.5°	267.6	263.4	256.6	243.0	210.1	145.9	95.4	67.4	58.7	55.6	54.9
20°	280.5	275.3	266.8	244.3	175.6	98.8	59.6	52.2	50.7	49.8	49.8
22.5°	294.1	287.6	275.0	234.1	130.6	63.2	50.7	49.0	47.9	46.6	46.4
25°	307.9	299.6	282.4	207.4	85.5	49.8	47.5	45.6	43.5	41.4	40.9
27.5°	319.6	308.8	288.0	167.7	54.9	44.9	43.3	40.1	37.3	35.0	34.6
30°	333.6	319.8	290.5	122.6	43.1	39.6	37.3	33.9	30.5	28.2	27.4
32.5°	352.4	337.2	286.7	79.9	38.2	34.8	31.2	27.3	23.8	21.4	21.0
35°	381.5	363.5	269.3	50.9	34.6	30.1	25.7	21.6	18.7	16.8	16.5
37.5°	417.1	400.4	240.7	38.2	31.0	26.1	21.0	17.0	15.0	13.6	13.2
40°	469.9	446.6	205.3	33.5	27.4	22.1	17.2	14.0	12.5	11.4	11.0
42.5°	538.4	501.1	164.6	30.5	24.0	18.5	14.0	11.5	10.2	9.5	9.3
45°	618.4	554.3	121.7	27.4	20.8	15.3	11.5	9.5	8.5	7.9	7.8
47.5°	700.4	600.8	84.0	24.2	17.8	12.7	9.7	8.1	7.4	6.6	6.4
50°	787.8	640.2	57.3	21.0	15.1	10.4	8.3	7.4	6.4	5.9	5.7
52.5°	852.0	654.8	39.9	18.2	12.9	8.9	7.4	6.6	5.9	5.1	4.9
55°	911.2	654.4	30.3	15.3	11.0	7.8	6.6	5.9	5.1	4.5	4.4
57.5°	970.2	649.3	23.8	13.1	9.5	7.0	5.9	5.1	4.7	4.0	3.8
60°	1008.5	630.0	18.5	11.0	8.1	6.1	5.1	4.5	4.0	3.4	3.2
62.5°	1028.7	603.1	14.2	8.7	6.6	5.3	4.5	4.0	3.4	2.8	2.6
65°	1001.3	555.4	11.2	6.8	5.1	4.5	3.8	3.2	2.6	2.1	1.9
67.5°	879.6	468.4	8.7	5.5	4.0	3.4	3.2	2.6	1.9	1.5	1.3
70°	621.7	320.8	6.8	4.2	3.0	2.6	2.5	2.1	1.5	1.1	0.9
72.5°	341.2	161.8	4.9	3.0	2.3	2.1	1.9	1.7	1.3	0.9	0.9
75°	131.3	44.5	3.6	2.1	1.5	1.5	1.3	1.3	1.1	0.8	0.8
77.5°	34.3	13.2	2.3	1.3	0.9	0.9	0.9	0.8	0.8	0.6	0.6
80°	11.0	4.4	1.3	0.9	0.8	0.6	0.6	0.4	0.6	0.4	0.4
82.5°	3.6	1.5	0.8	0.8	0.6	0.4	0.4	0.2	0.2	0.0	0.0
85°	1.3	0.8	0.6	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	0.4	0.2	0.0	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)