

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526201

Luminaire Tested: **GALN-SA1A-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2199 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

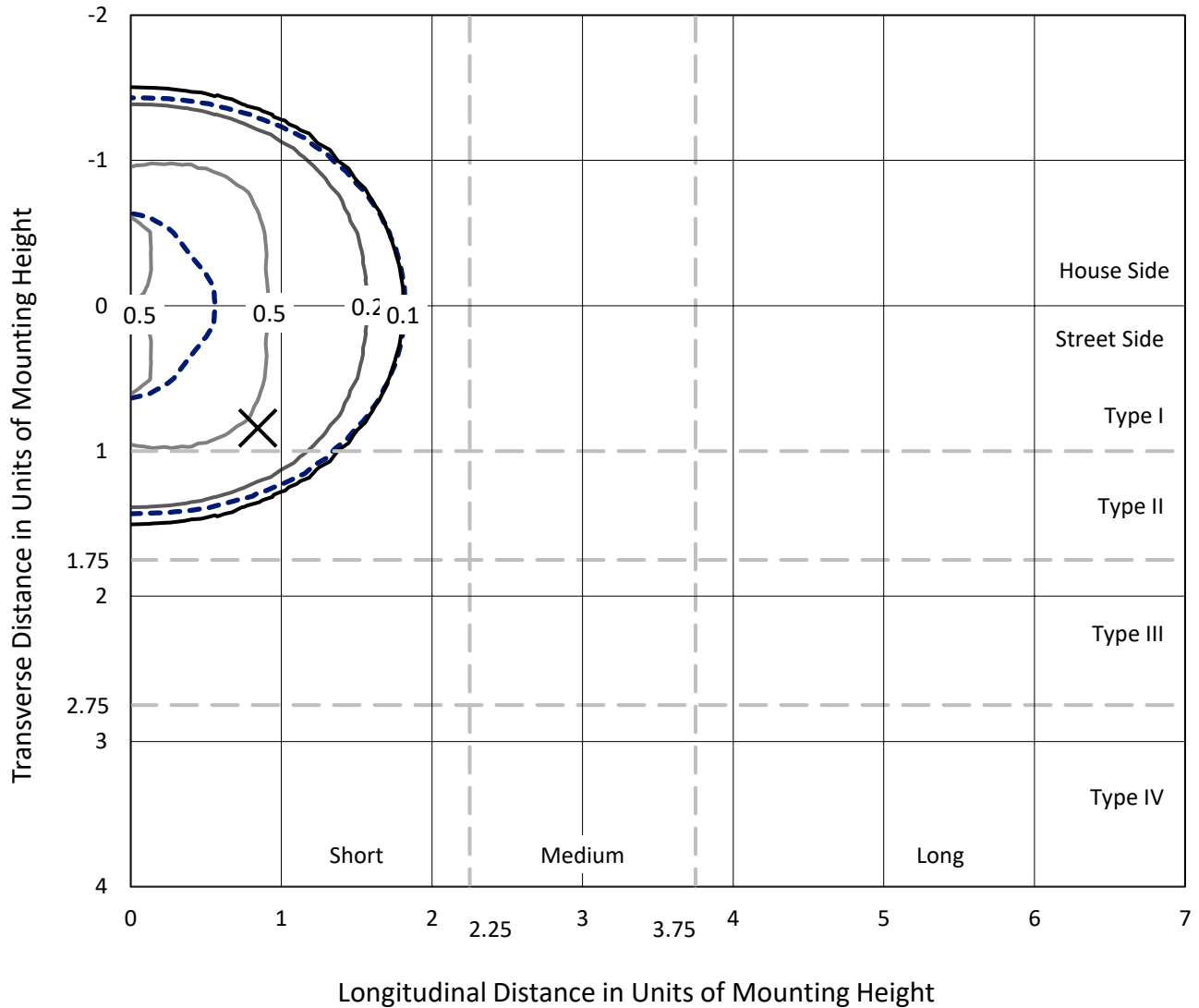
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

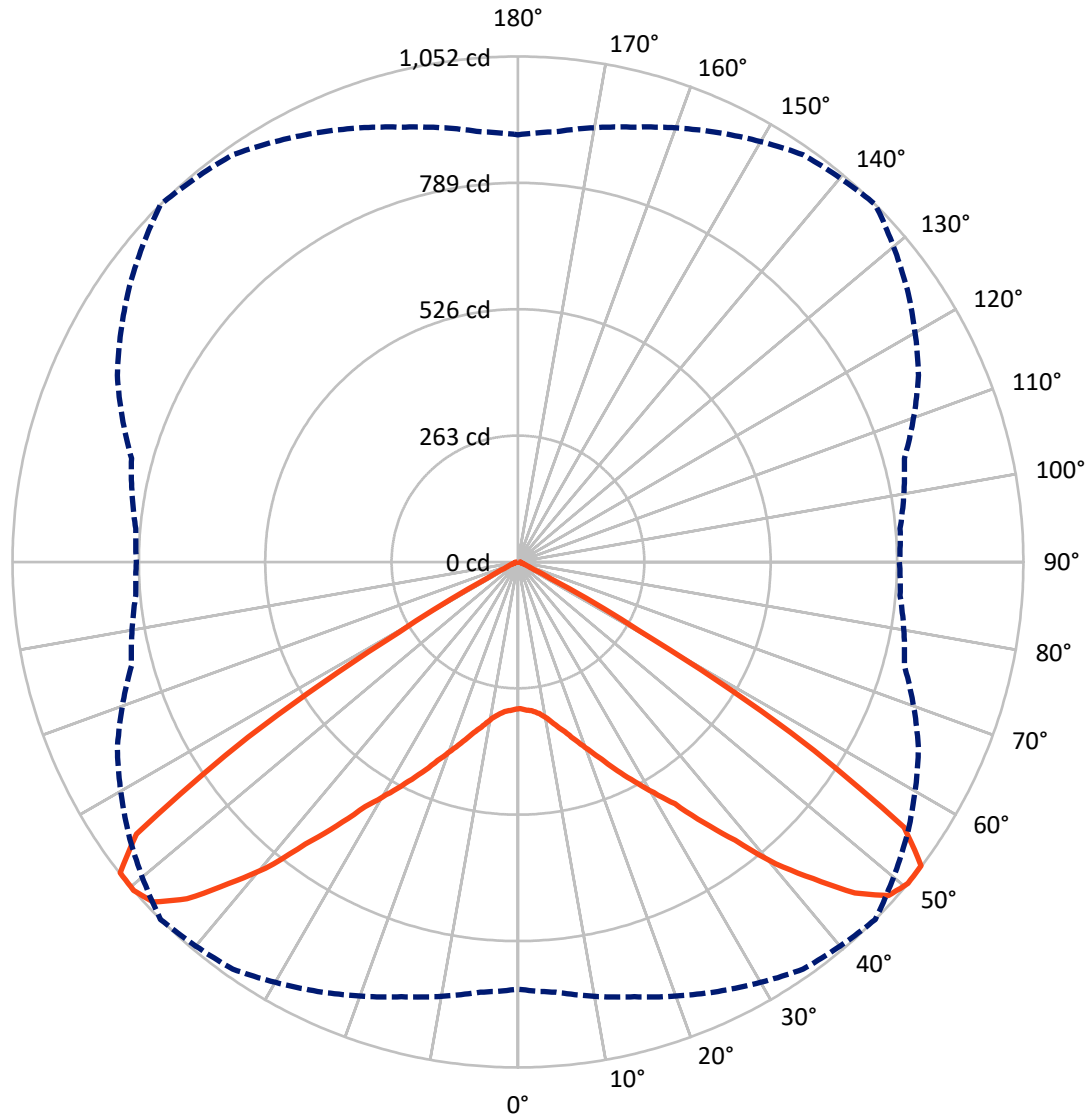
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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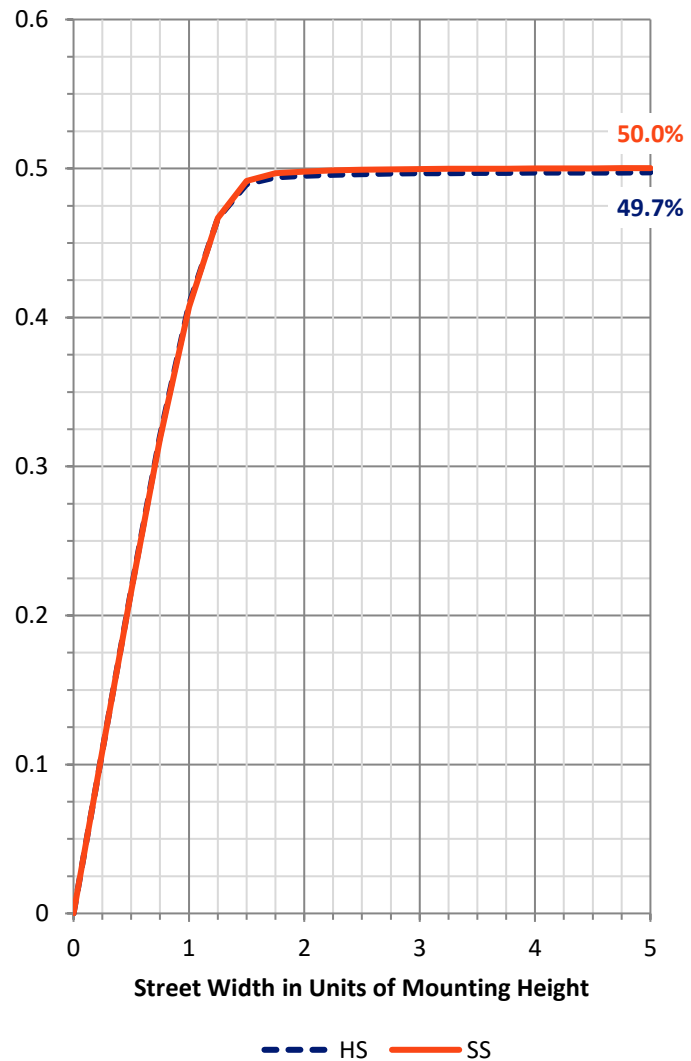
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1099.5	0.0	1099.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1099.5	0.0	1099.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2199.0	0.0	2199.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.4
10°-20°	104.5	4.8
20°-30°	213.5	9.7
30°-40°	407.1	18.5
40°-50°	686.1	31.2
50°-60°	654.3	29.8
60°-70°	91.3	4.2
70°-80°	8.7	0.4
80°-90°	3.0	0.1
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°	2199.0	100.0
0°-180°	2199.0	100.0



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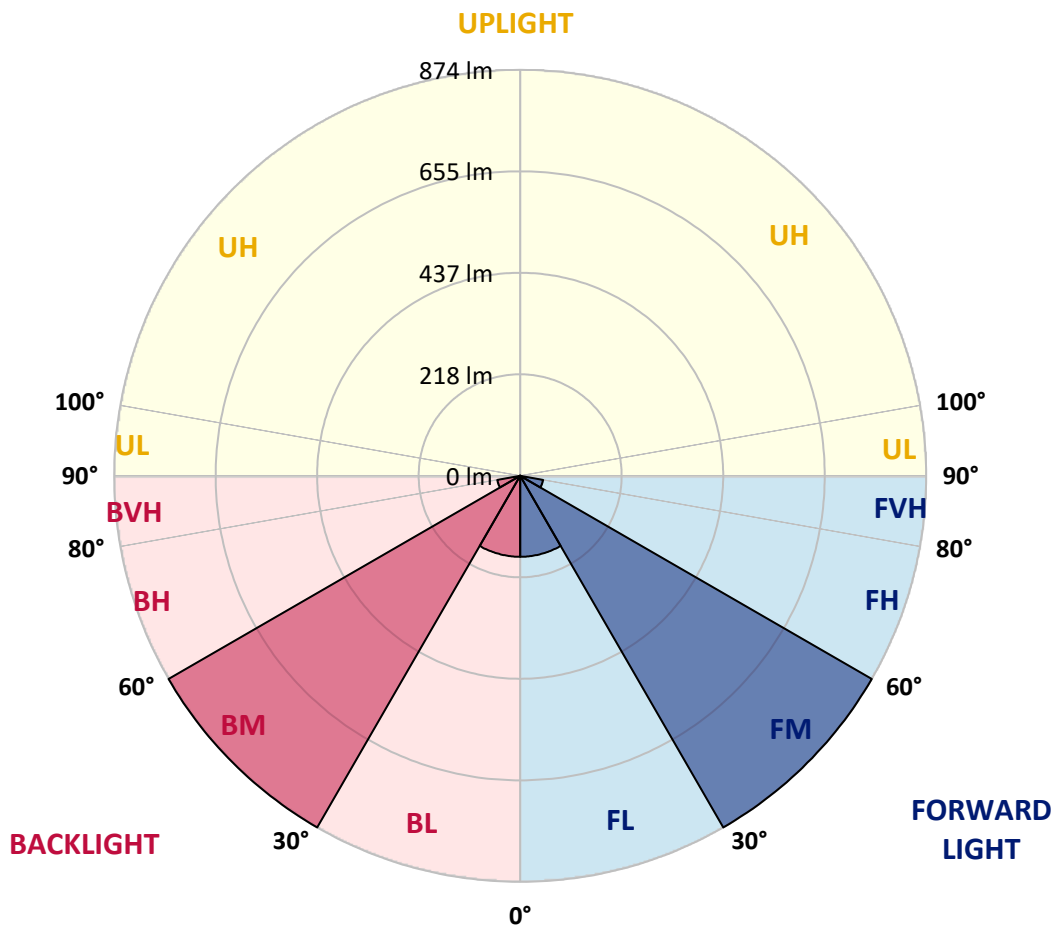
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.2	7.9			
FM (30°-60°)	873.8	39.7			
FH (60°-80°)	50.0	2.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	174.2	7.9	B1/500		
BM (30°-60°)	873.8	39.7	B1/1000		
BH (60°-80°)	50.0	2.3	B0/110		G0/660
BVH (80°-90°)	1.5	0.1			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9	304.9
2.5°	303.8	303.8	303.4	306.3	304.9	308.2	307.8	308.9	310.0	309.7	312.6
5°	301.2	300.8	300.8	304.1	307.5	311.2	314.5	316.7	320.4	320.4	324.1
7.5°	303.8	301.9	304.5	306.0	312.3	318.6	324.1	328.5	337.1	340.0	338.9
10°	304.5	306.7	308.6	313.0	320.8	330.4	335.2	346.3	355.9	362.6	364.1
12.5°	309.3	312.6	317.8	328.5	335.6	348.2	354.8	365.5	378.9	386.3	391.4
15°	318.6	319.7	326.3	340.0	355.2	366.7	377.0	384.8	397.7	406.2	406.6
17.5°	330.4	335.2	344.5	357.4	373.3	390.3	398.5	407.0	411.8	423.3	425.9
20°	354.1	354.8	363.7	380.7	400.7	416.2	422.2	426.6	424.7	436.6	438.8
22.5°	376.3	377.0	388.1	411.1	432.5	445.8	448.4	445.8	440.3	448.8	449.5
25°	398.8	405.5	413.6	436.6	463.2	481.0	481.3	474.3	462.9	464.3	468.0
27.5°	434.0	438.8	447.3	468.4	497.6	517.6	514.3	505.8	491.0	492.1	491.0
30°	475.1	479.5	486.5	513.5	535.0	556.8	561.6	553.5	531.3	526.5	532.0
32.5°	524.6	530.9	543.9	568.7	586.8	600.1	603.4	600.5	579.8	577.9	581.6
35°	584.9	593.5	605.3	627.1	641.9	666.0	666.0	656.0	637.1	639.3	639.0
37.5°	648.6	661.2	679.7	701.9	721.8	734.8	730.7	722.2	703.3	698.5	703.3
40°	728.5	734.8	758.1	787.0	811.4	826.2	808.8	790.3	745.1	752.2	765.1
42.5°	801.4	811.4	829.1	861.0	888.7	900.9	880.2	843.6	789.2	783.6	793.2
45°	863.5	874.3	897.6	943.1	972.3	983.0	937.2	878.0	815.8	801.8	805.8
47.5°	905.0	910.5	943.1	986.4	1013.0	1037.4	971.6	901.7	828.4	801.8	800.3
50°	889.1	898.7	936.8	986.0	1034.5	1051.9	989.0	919.8	832.5	798.4	794.0
52.5°	789.5	806.2	848.7	915.0	988.2	1050.4	1013.0	913.9	831.0	801.8	808.4
55°	549.4	549.8	601.6	699.3	828.8	975.3	977.9	920.5	840.6	822.5	822.8
57.5°	220.9	232.0	271.6	369.6	489.1	669.7	796.2	853.9	841.7	837.3	848.7
60°	55.9	56.2	68.4	104.3	172.0	287.1	417.0	564.2	649.7	678.9	683.0
62.5°	28.5	28.9	31.8	37.0	47.0	77.0	136.9	217.2	308.9	355.6	367.8
65°	23.3	23.3	25.2	27.7	28.1	29.6	35.5	50.7	73.6	83.6	84.7
67.5°	17.8	17.8	19.2	20.7	21.5	21.1	20.3	21.1	25.5	24.4	23.7
70°	11.1	11.5	12.2	13.7	14.4	14.8	15.2	15.9	18.1	18.9	18.1
72.5°	6.7	6.7	7.0	8.1	9.2	10.0	11.1	11.8	12.9	14.8	14.4
75°	3.0	3.0	3.7	4.8	5.9	7.0	8.1	9.2	10.0	11.1	11.5
77.5°	0.7	1.1	1.8	3.3	4.4	5.9	7.4	8.5	9.2	9.2	8.9
80°	0.4	0.4	1.5	2.6	4.8	6.3	8.1	8.9	10.0	9.2	8.1
82.5°	0.4	0.4	1.5	2.6	4.4	6.3	8.5	9.6	10.4	9.2	7.8
85°	0.0	0.4	1.1	2.2	3.7	4.4	3.7	2.6	1.5	1.5	1.1
87.5°	0.0	0.0	0.4	0.4	0.0	0.0	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)