

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: P526435

Luminaire Tested: **GALN-SA1B-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526435
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-SA1B-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 2735 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

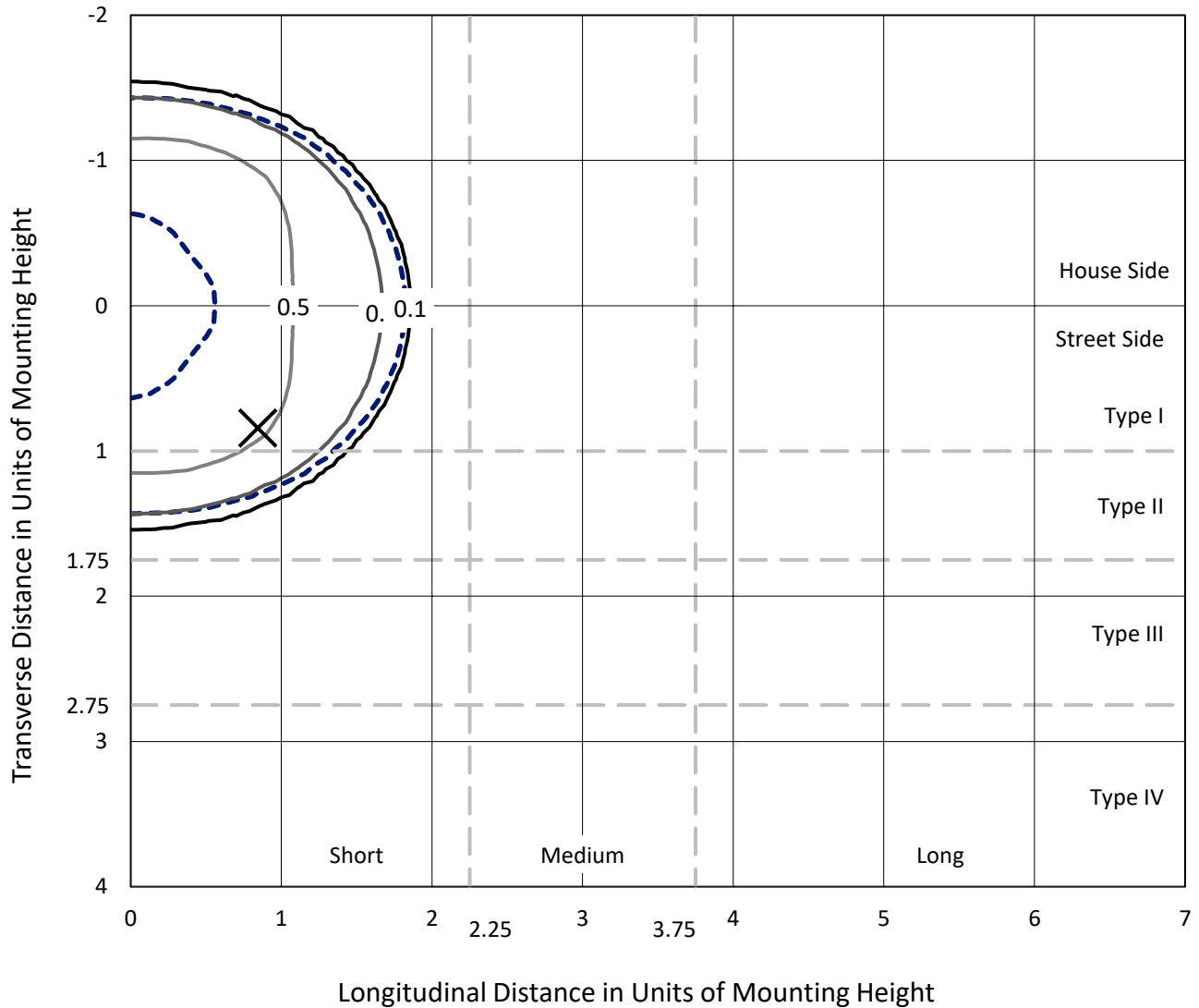
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

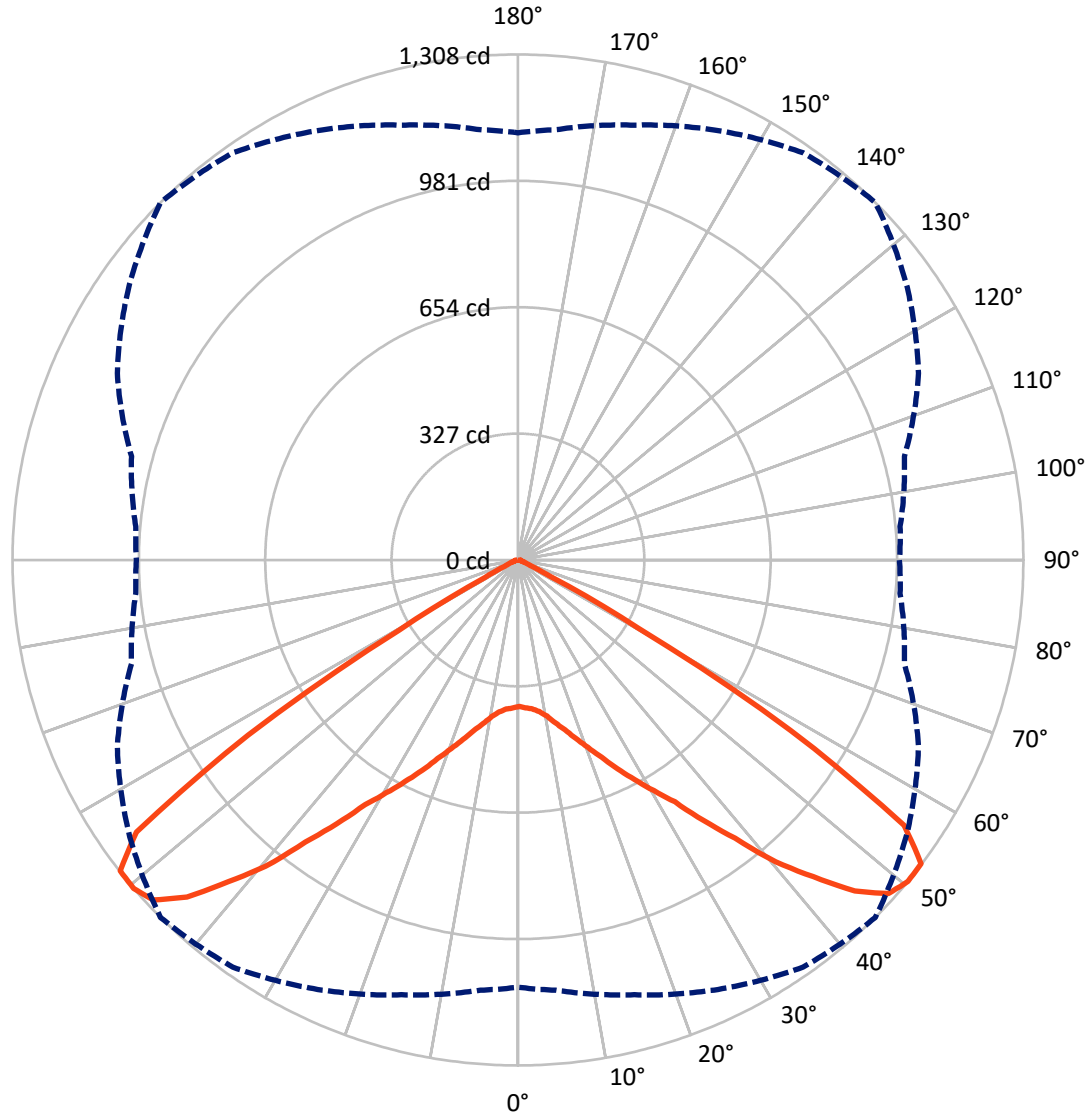
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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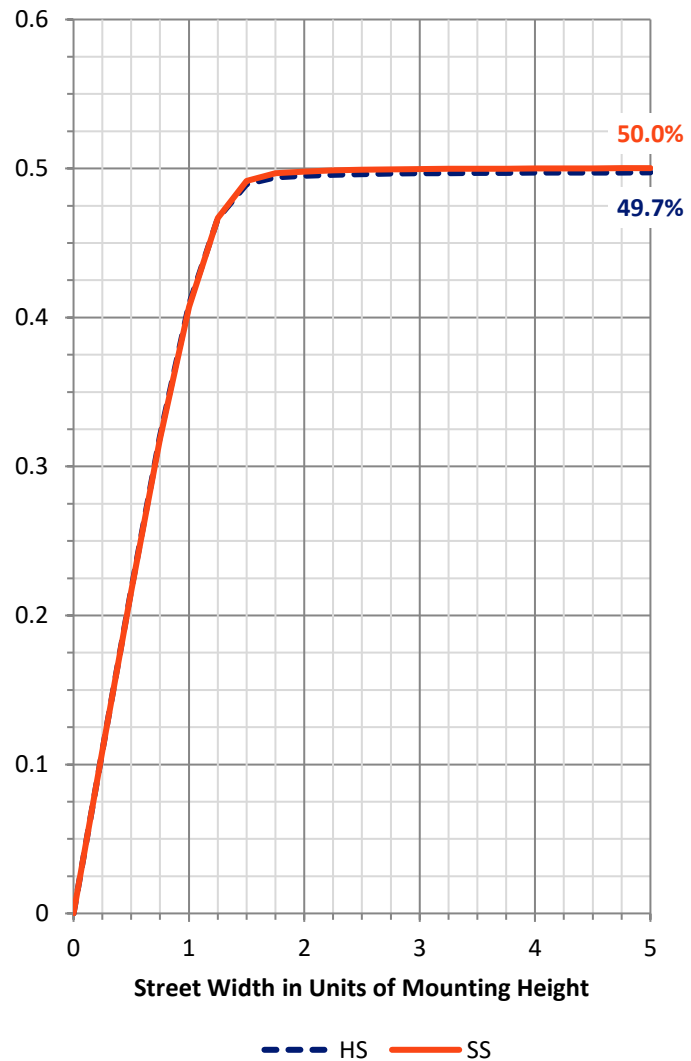
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1367.5	0.0	1367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1367.5	0.0	1367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2735.0	0.0	2735.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	1.4
10°-20°	130.0	4.8
20°-30°	265.5	9.7
30°-40°	506.4	18.5
40°-50°	853.3	31.2
50°-60°	813.8	29.8
60°-70°	113.6	4.2
70°-80°	10.9	0.4
80°-90°	3.8	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°	2735.0	100.0
0°-180°	2735.0	100.0



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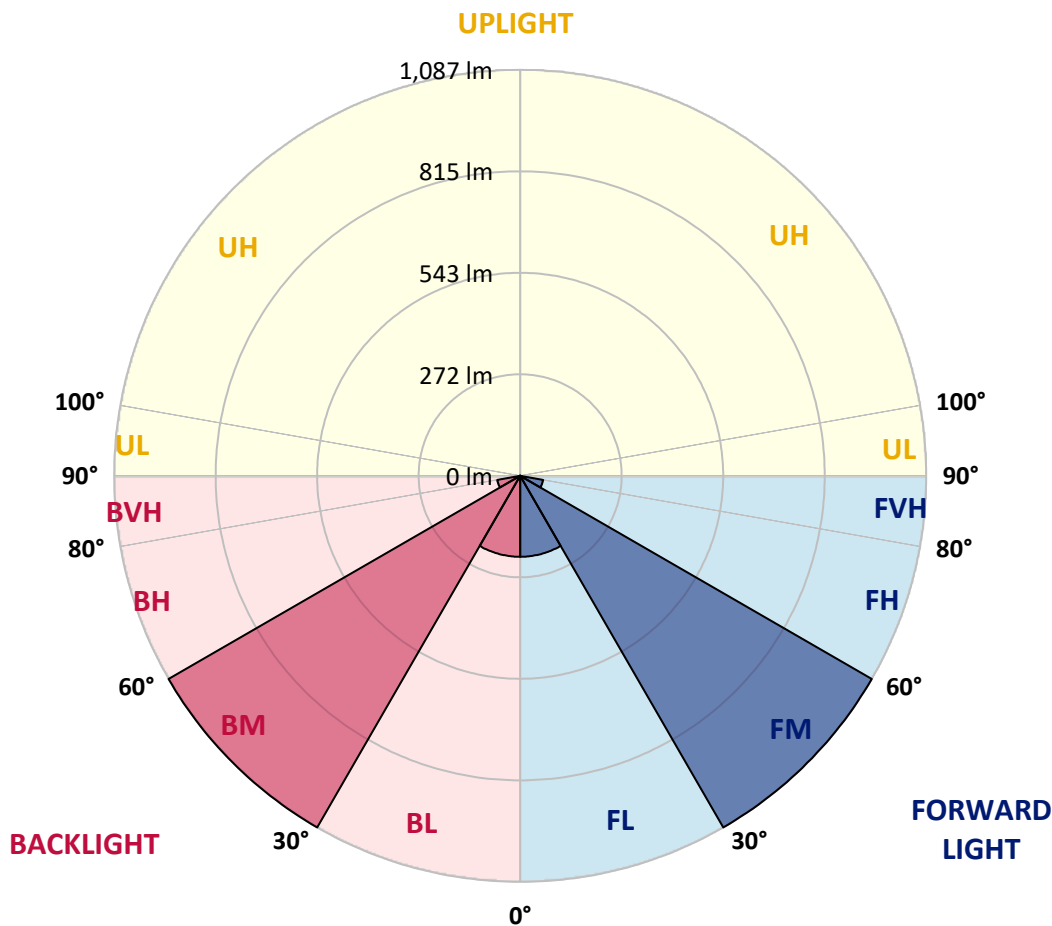
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.6	7.9			
FM (30°-60°)	1086.7	39.7			
FH (60°-80°)	62.2	2.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	216.6	7.9	B1/500		
BM (30°-60°)	1086.7	39.7	B2/2500		
BH (60°-80°)	62.2	2.3	B0/110		G0/660
BVH (80°-90°)	1.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2
2.5°	377.8	377.8	377.3	381.0	379.2	383.3	382.9	384.2	385.6	385.2	388.8
5°	374.6	374.1	374.1	378.3	382.4	387.0	391.1	393.9	398.5	398.5	403.1
7.5°	377.8	375.5	378.7	380.6	388.4	396.2	403.1	408.6	419.2	422.9	421.5
10°	378.7	381.5	383.8	389.3	399.0	410.9	416.9	430.7	442.7	451.0	452.8
12.5°	384.7	388.8	395.3	408.6	417.4	433.0	441.3	454.6	471.2	480.4	486.9
15°	396.2	397.6	405.9	422.9	441.8	456.0	468.9	478.6	494.7	505.3	505.7
17.5°	410.9	416.9	428.4	444.5	464.3	485.5	495.6	506.2	512.2	526.4	529.7
20°	440.4	441.3	452.3	473.5	498.4	517.7	525.1	530.6	528.3	543.0	545.8
22.5°	468.0	468.9	482.7	511.2	537.9	554.5	557.7	554.5	547.6	558.2	559.1
25°	496.1	504.3	514.5	543.0	576.1	598.2	598.7	589.9	575.7	577.5	582.1
27.5°	539.8	545.8	556.3	582.6	618.9	643.8	639.6	629.0	610.6	612.0	610.6
30°	590.9	596.4	605.1	638.7	665.4	692.6	698.5	688.4	660.8	654.8	661.7
32.5°	652.5	660.3	676.4	707.3	729.8	746.4	750.5	746.9	721.1	718.8	723.4
35°	727.5	738.1	752.8	780.0	798.4	828.3	828.3	815.9	792.4	795.2	794.7
37.5°	806.7	822.3	845.3	872.9	897.8	913.9	908.8	898.2	874.8	868.8	874.8
40°	906.1	913.9	942.9	978.8	1009.1	1027.6	1005.9	982.9	926.8	935.5	951.6
42.5°	996.7	1009.1	1031.2	1070.8	1105.3	1120.5	1094.7	1049.2	981.5	974.6	986.6
45°	1074.0	1087.4	1116.4	1173.0	1209.3	1222.7	1165.6	1092.0	1014.7	997.2	1002.2
47.5°	1125.6	1132.5	1173.0	1226.8	1259.9	1290.3	1208.4	1121.4	1030.3	997.2	995.3
50°	1105.8	1117.7	1165.1	1226.3	1286.6	1308.3	1230.0	1144.0	1035.4	993.0	987.5
52.5°	982.0	1002.7	1055.6	1138.0	1229.1	1306.4	1259.9	1136.6	1033.5	997.2	1005.5
55°	683.3	683.8	748.2	869.7	1030.8	1213.0	1216.2	1144.9	1045.5	1023.0	1023.4
57.5°	274.7	288.5	337.8	459.7	608.3	832.9	990.3	1062.1	1046.9	1041.4	1055.6
60°	69.5	69.9	85.1	129.8	214.0	357.1	518.6	701.8	808.1	844.4	849.5
62.5°	35.4	35.9	39.6	46.0	58.4	95.7	170.3	270.1	384.2	442.2	457.4
65°	29.0	29.0	31.3	34.5	35.0	36.8	44.2	63.0	91.6	104.0	105.4
67.5°	22.1	22.1	23.9	25.8	26.7	26.2	25.3	26.2	31.8	30.4	29.5
70°	13.8	14.3	15.2	17.0	17.9	18.4	18.9	19.8	22.5	23.5	22.5
72.5°	8.3	8.3	8.7	10.1	11.5	12.4	13.8	14.7	16.1	18.4	17.9
75°	3.7	3.7	4.6	6.0	7.4	8.7	10.1	11.5	12.4	13.8	14.3
77.5°	0.9	1.4	2.3	4.1	5.5	7.4	9.2	10.6	11.5	11.5	11.0
80°	0.5	0.5	1.8	3.2	6.0	7.8	10.1	11.0	12.4	11.5	10.1
82.5°	0.5	0.5	1.8	3.2	5.5	7.8	10.6	12.0	12.9	11.5	9.7
85°	0.0	0.5	1.4	2.8	4.6	5.5	4.6	3.2	1.8	1.8	1.4
87.5°	0.0	0.0	0.5	0.5	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)