

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: P526427

Luminaire Tested: **GALN-SA1B-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2540 lumens
Efficiency: N/A
Efficacy: 57.7 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

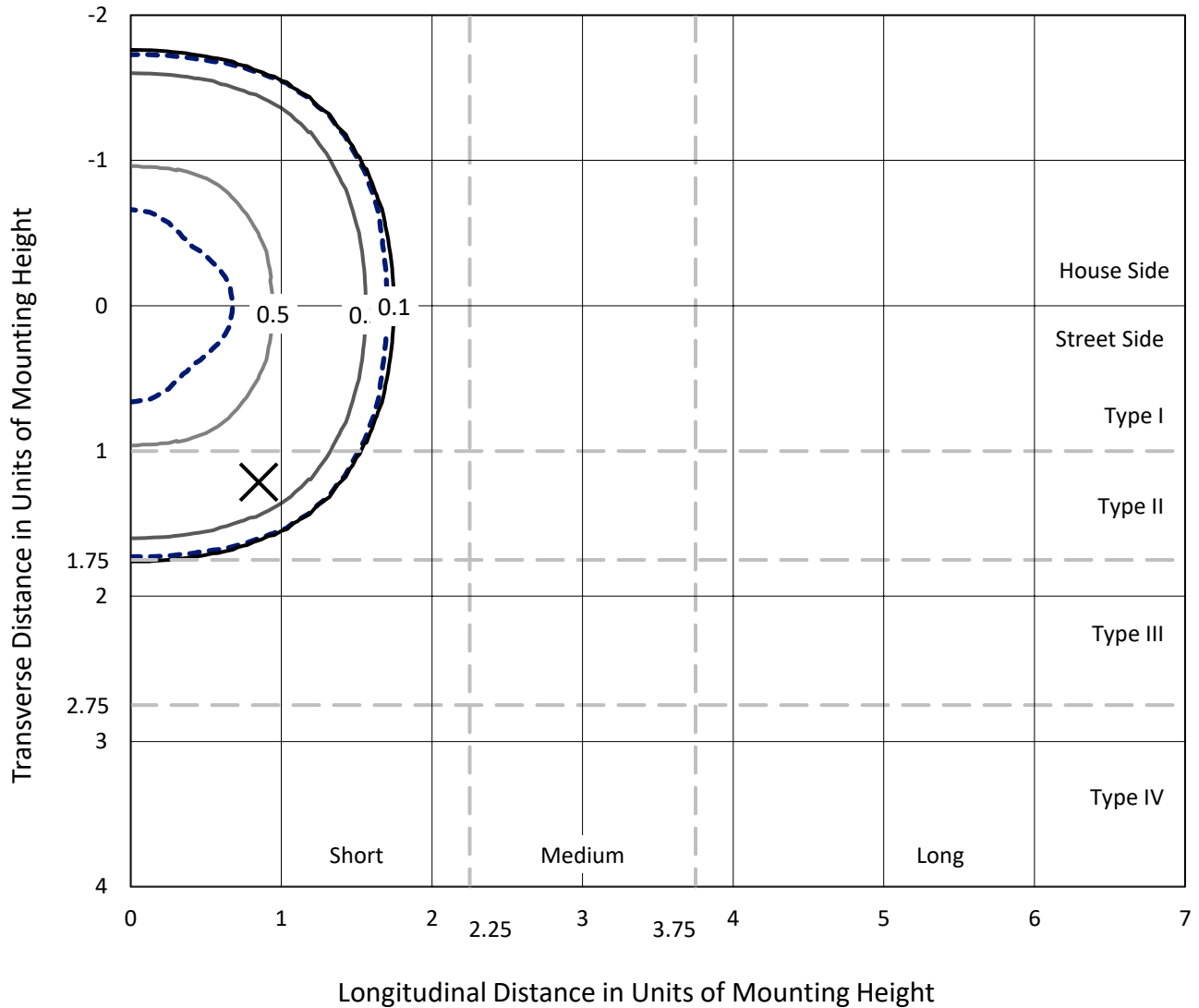
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

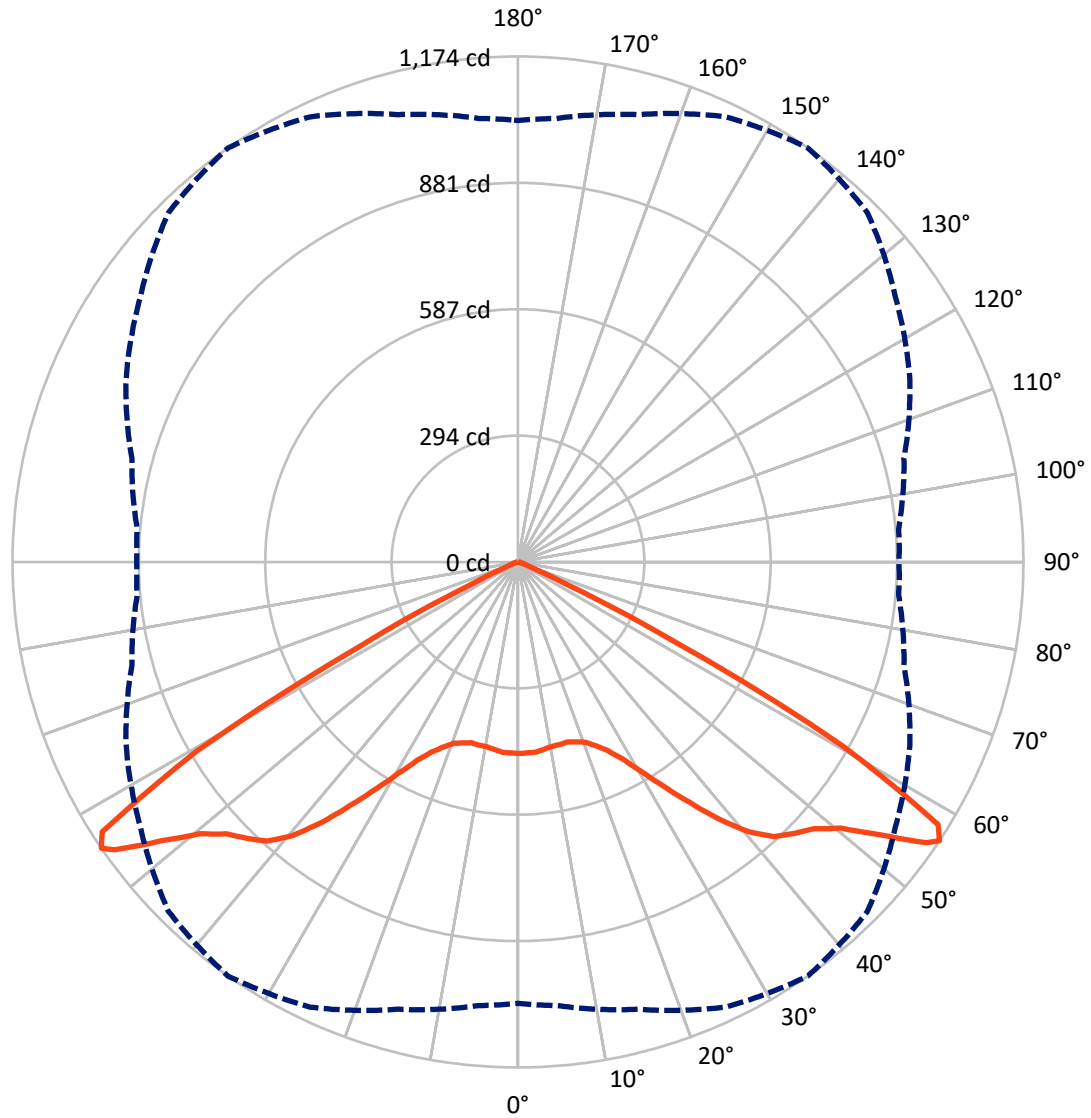
✕ Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1270.0	0.0	1270.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1270.0	0.0	1270.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2540.0	0.0	2540.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.6
10°-20°	122.1	4.8
20°-30°	221.1	8.7
30°-40°	410.1	16.1
40°-50°	673.1	26.5
50°-60°	867.2	34.1
60°-70°	191.1	7.5
70°-80°	11.1	0.4
80°-90°	2.3	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°	2540.0	100.0
0°-180°	2540.0	100.0

Coefficient of Utilization

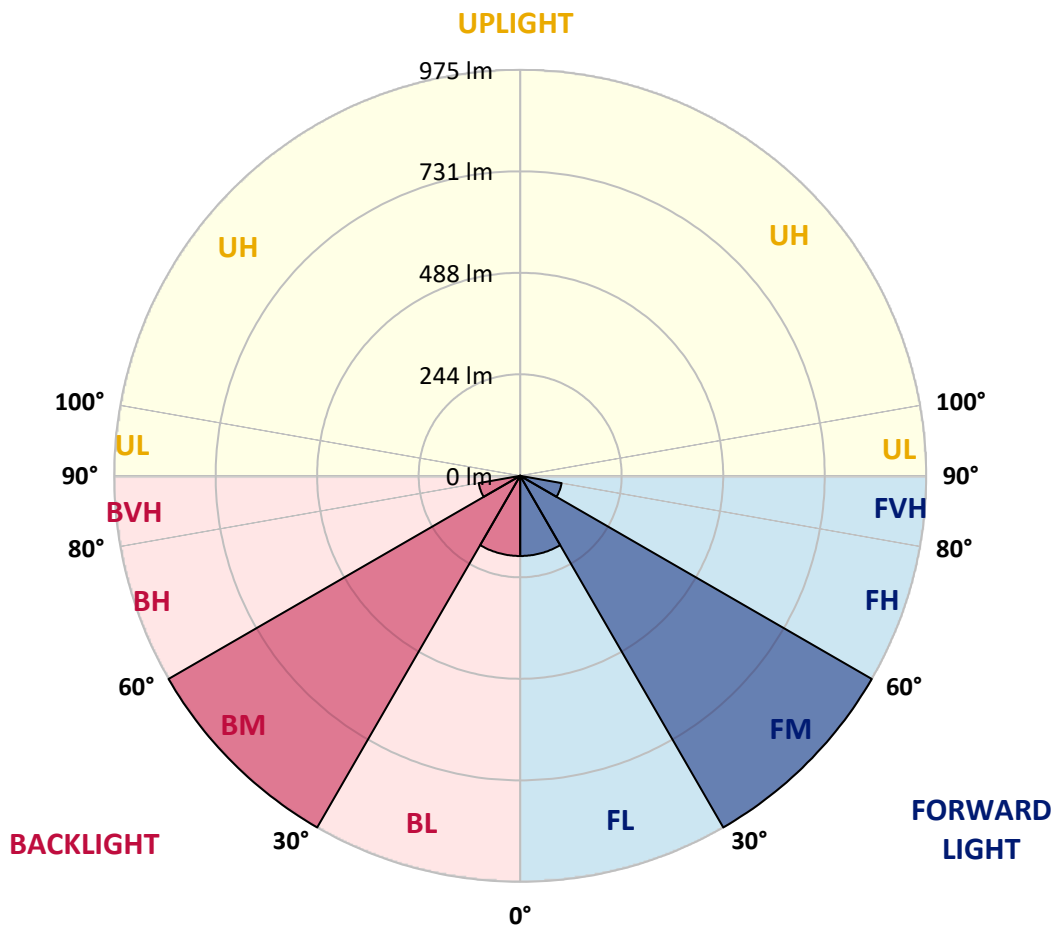


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.5	7.6			
FM (30°-60°)	975.2	38.4			
FH (60°-80°)	101.1	4.0			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	192.5	7.6	B1/500		
BM (30°-60°)	975.2	38.4	B1/1000		
BH (60°-80°)	101.1	4.0	B0/110		G0/660
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1	445.1
2.5°	446.0	446.0	446.4	446.9	443.7	442.3	442.8	441.8	441.4	442.8	442.8
5°	444.6	444.6	443.2	443.7	443.7	439.5	439.5	440.5	440.5	437.7	436.8
7.5°	440.9	440.0	438.2	440.5	439.1	439.1	435.9	433.6	432.6	434.5	432.6
10°	433.1	433.6	435.4	436.3	435.4	438.2	432.6	429.4	426.2	424.8	424.8
12.5°	429.4	432.2	429.4	431.7	434.9	432.6	429.4	427.1	422.5	420.7	420.7
15°	429.0	430.8	431.7	434.9	433.6	434.5	428.0	425.3	418.4	415.1	413.8
17.5°	428.5	430.8	432.2	438.2	439.1	439.5	434.5	426.2	420.2	417.0	413.8
20°	433.6	434.5	437.2	443.2	446.9	453.3	444.1	435.4	422.5	418.8	417.4
22.5°	440.0	444.6	447.4	453.8	463.5	469.0	457.0	446.0	432.6	428.0	422.5
25°	460.7	459.8	464.4	477.7	485.6	489.7	480.0	463.9	446.4	440.9	441.8
27.5°	486.5	487.4	491.5	506.3	517.8	524.2	512.7	491.5	474.5	465.3	464.4
30°	520.1	519.2	523.8	543.6	564.3	573.9	553.7	528.8	512.3	500.3	503.1
32.5°	555.5	556.0	568.9	586.8	620.4	639.3	606.6	576.2	551.4	543.1	539.0
35°	608.0	610.3	620.4	648.0	685.3	709.7	673.8	637.4	608.9	593.7	595.6
37.5°	672.9	670.6	687.6	717.5	756.7	774.6	744.2	702.8	673.8	663.7	670.1
40°	741.9	744.2	753.0	780.1	823.8	835.8	790.7	768.2	742.8	737.8	745.6
42.5°	811.0	809.6	816.0	840.4	872.2	863.9	837.2	823.8	805.9	795.8	806.4
45°	861.6	859.3	871.3	887.8	899.3	883.7	871.7	867.1	857.9	846.9	856.5
47.5°	910.8	909.0	920.5	925.1	926.0	905.3	907.6	915.9	892.9	869.9	880.9
50°	952.7	949.5	963.8	973.9	971.6	938.5	946.7	938.5	902.6	875.4	871.3
52.5°	1022.7	1024.1	1039.2	1057.7	1052.1	1024.5	1012.6	974.8	928.8	904.4	890.1
55°	1066.9	1060.0	1086.2	1144.6	1151.1	1122.6	1069.6	1013.9	944.9	915.0	911.3
56°	1025.4	1034.2	1075.6	1141.0	1174.1	1147.9	1071.0	1004.3	928.3	887.8	885.1
57.5°	920.0	915.4	971.6	1060.9	1151.1	1140.0	1033.3	935.2	846.9	801.3	795.8
60°	572.6	585.9	635.1	745.6	866.2	871.7	765.9	681.6	578.5	538.0	547.7
62.5°	224.1	212.6	243.5	325.9	408.7	427.1	387.1	321.7	264.2	224.1	221.4
65°	52.0	50.6	57.1	78.7	110.0	127.5	121.0	87.0	64.0	60.8	56.2
67.5°	29.5	29.5	28.1	28.1	30.8	32.7	31.3	30.8	32.2	33.6	33.1
70°	20.7	20.3	19.3	19.8	18.9	18.9	20.3	22.6	24.4	24.4	24.9
72.5°	12.4	12.4	12.4	13.8	13.8	13.8	15.2	17.0	17.5	17.0	16.6
75°	5.5	5.5	6.4	7.8	8.7	9.2	10.6	11.5	12.4	11.5	10.6
77.5°	1.4	1.4	2.3	3.2	4.1	5.1	6.9	8.3	8.7	8.3	6.9
80°	0.5	0.5	0.9	2.3	4.1	5.1	6.9	7.4	7.8	6.9	5.5
82.5°	0.5	0.5	0.9	2.3	3.2	4.1	5.5	6.4	6.9	6.0	5.5
85°	0.0	0.5	0.9	1.8	2.8	3.7	3.7	2.8	2.3	1.4	1.8
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)