

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: P526194

Luminaire Tested: **GALN-SA1A-827-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3003 lumens
Efficiency: N/A
Efficacy: 91.0 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

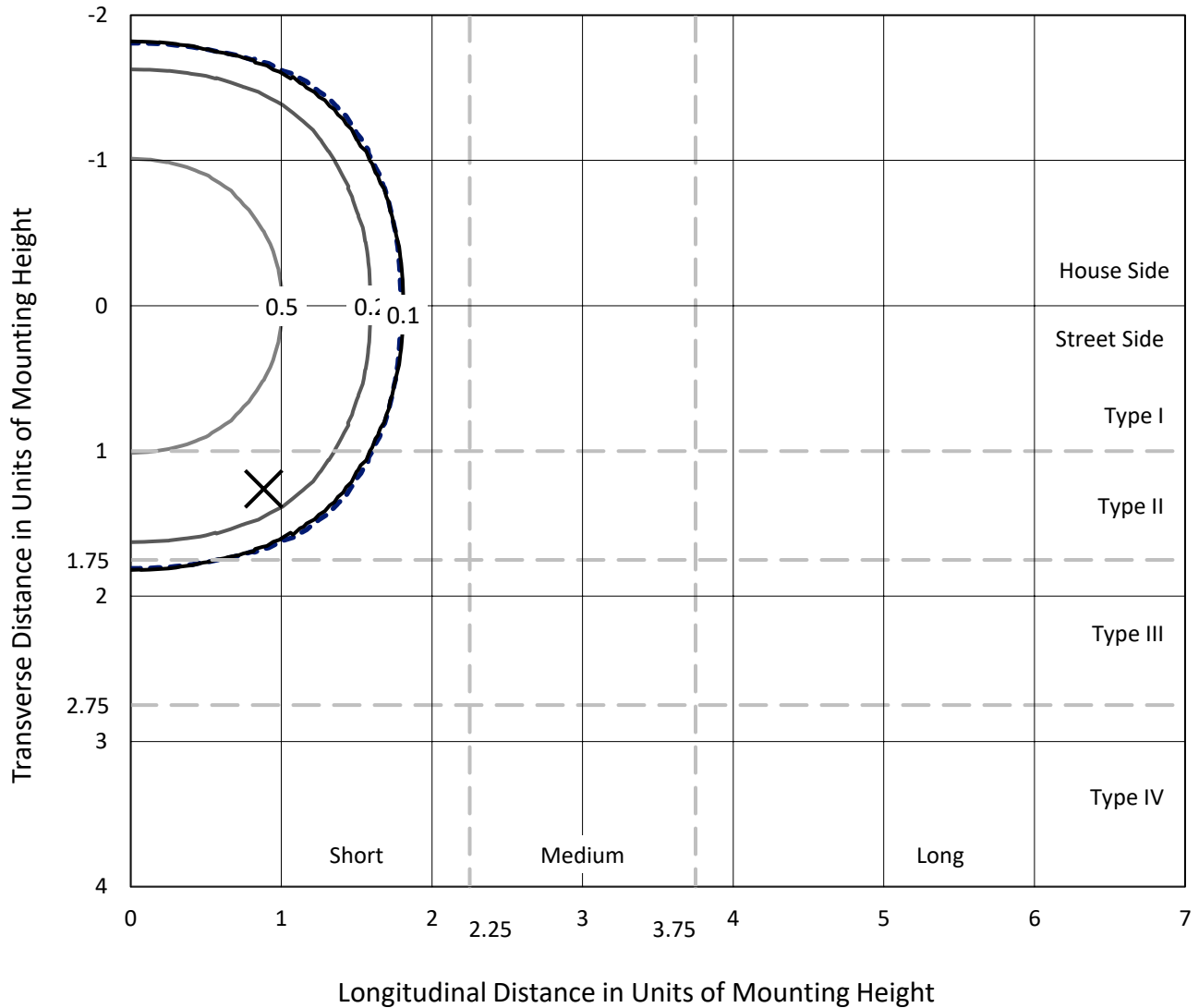
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

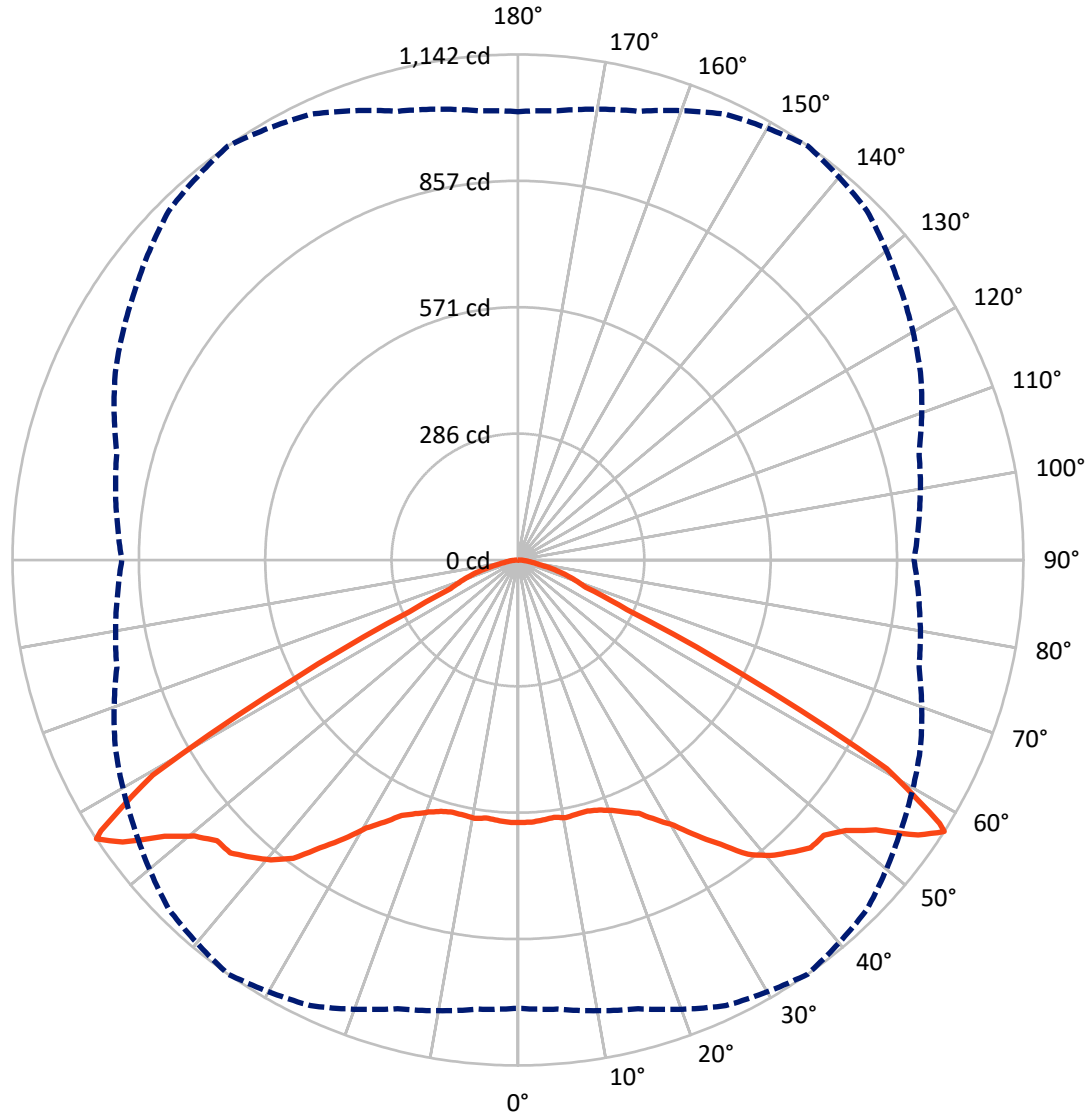
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1501.5	0.0	1501.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1501.5	0.0	1501.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3003.0	0.0	3003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.9
10°-20°	166.5	5.5
20°-30°	290.8	9.7
30°-40°	476.5	15.9
40°-50°	698.7	23.3
50°-60°	880.1	29.3
60°-70°	331.0	11.0
70°-80°	88.0	2.9
80°-90°	15.1	0.5
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°	3003.0	100.0
0°-180°	3003.0	100.0

Coefficient of Utilization



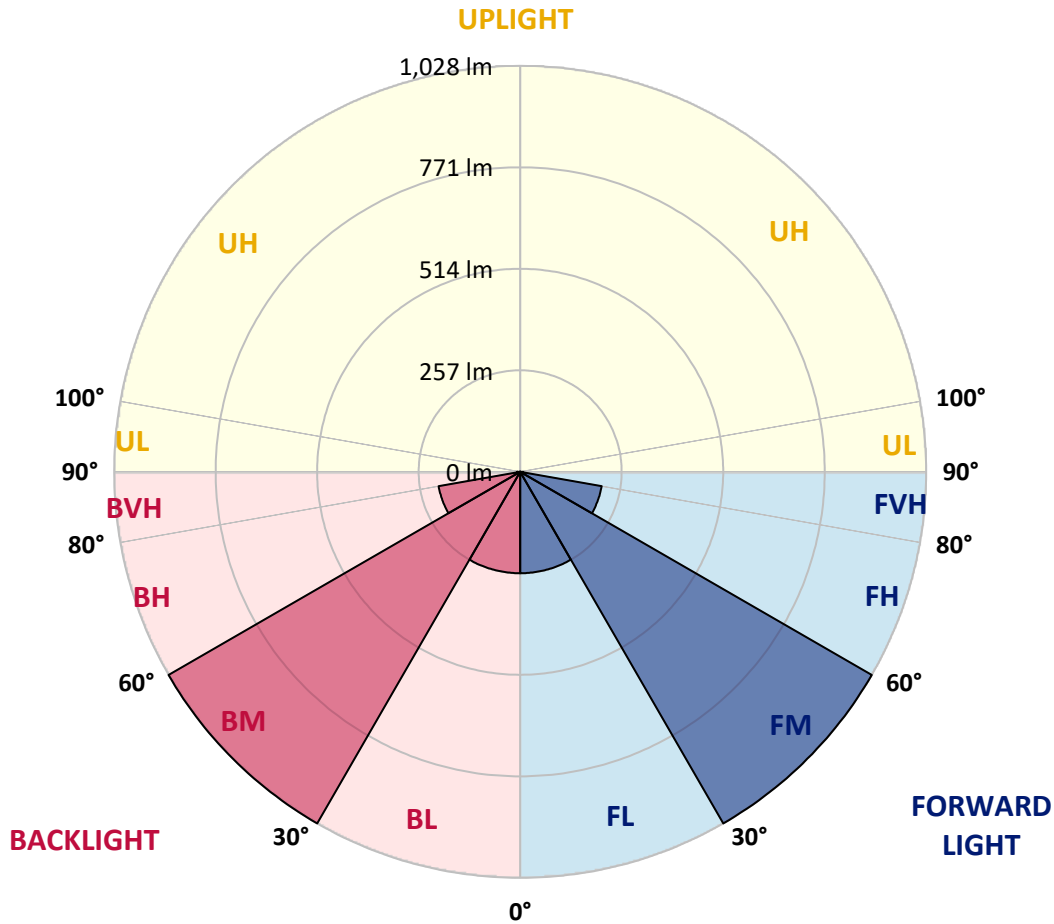
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.8	8.6			
FM (30°-60°)	1027.7	34.2			
FH (60°-80°)	209.5	7.0			G0/660
FVH (80°-90°)	7.5	0.3			G0/10
BL (0°-30°)	256.8	8.6	B1/500		
BM (30°-60°)	1027.7	34.2	B2/2500		
BH (60°-80°)	209.5	7.0	B1/500		G0/660
BVH (80°-90°)	7.5	0.3			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°	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1	593.1
2.5°	590.1	596.0	593.4	592.0	593.1	591.2	588.3	591.6	590.9	587.9	586.8
5°	588.6	593.1	590.1	593.1	590.1	595.3	593.8	588.3	594.9	588.6	590.9
7.5°	587.5	589.0	589.7	588.3	587.2	593.4	590.1	587.5	583.8	582.7	584.6
10°	584.9	588.6	583.1	590.5	592.0	587.5	587.5	582.7	579.8	577.9	584.2
12.5°	591.6	585.3	584.6	588.3	589.4	591.2	586.0	583.5	577.9	578.6	577.5
15°	583.8	586.4	586.8	587.5	588.6	593.1	588.3	582.7	580.5	572.7	573.5
17.5°	586.8	584.2	586.8	595.3	593.8	597.1	592.0	583.5	578.3	573.8	579.8
20°	592.0	590.9	592.0	602.3	604.2	607.1	602.7	594.9	584.9	579.8	582.7
22.5°	597.5	596.8	597.5	607.5	618.2	621.9	617.5	599.4	594.2	584.6	581.2
25°	607.5	608.2	616.0	627.1	634.1	641.2	633.0	620.1	603.4	597.5	590.5
27.5°	629.7	631.5	636.0	652.3	664.5	670.8	659.3	641.5	631.2	619.0	617.1
30°	657.1	657.1	664.8	678.9	695.6	705.2	691.1	670.0	657.4	650.8	646.7
32.5°	693.3	689.3	692.2	717.0	742.9	751.0	732.2	706.3	686.3	677.4	674.5
35°	724.4	727.0	733.7	760.3	789.2	808.0	778.4	744.8	724.4	716.3	714.8
37.5°	764.7	769.2	772.5	809.1	843.9	850.9	822.5	795.4	770.7	764.0	760.3
40°	821.7	818.8	819.9	846.9	878.3	882.8	854.6	835.4	815.1	811.0	811.0
42.5°	868.7	865.4	869.1	879.1	903.1	899.8	884.2	870.2	861.7	857.2	861.7
45°	897.2	896.5	903.1	910.5	927.5	916.4	904.2	906.4	898.3	890.9	890.5
47.5°	928.3	923.5	931.6	942.7	929.7	924.6	923.8	928.6	926.0	913.1	909.0
50°	943.4	941.6	954.5	967.5	960.5	948.6	951.2	959.0	925.7	908.3	898.3
52.5°	984.1	984.5	1009.3	1016.3	1013.4	996.0	1001.5	980.4	941.2	916.8	917.9
55°	1048.1	1045.6	1073.3	1094.0	1097.3	1075.1	1048.5	1018.9	969.7	944.9	937.5
57°	1013.0	1018.9	1049.6	1111.0	1142.1	1115.8	1057.8	1003.7	938.3	908.3	895.0
57.5°	966.0	975.6	1028.9	1090.7	1123.2	1121.0	1046.3	975.6	917.2	870.6	871.7
60°	707.8	709.6	757.7	855.8	957.5	959.7	868.7	775.1	710.0	659.3	666.3
62.5°	373.3	381.8	401.1	479.9	567.9	589.4	534.2	486.1	429.9	391.4	395.1
65°	197.6	196.5	205.7	227.9	271.2	282.3	274.9	236.8	217.2	210.9	211.3
67.5°	160.6	162.4	161.3	162.4	165.4	170.2	169.1	170.6	171.7	173.5	173.1
70°	136.2	136.2	136.9	137.3	137.3	139.5	142.1	146.9	147.3	149.1	149.8
72.5°	107.3	106.6	107.7	110.3	110.6	112.5	116.2	119.1	120.2	120.2	118.0
75°	72.9	73.6	75.1	77.3	79.5	82.9	85.8	87.7	88.4	87.3	86.2
77.5°	41.1	41.8	42.9	46.2	48.8	51.8	55.1	57.0	58.8	59.2	57.0
80°	24.4	24.4	26.3	28.9	31.8	34.8	37.7	40.0	40.7	40.7	39.6
82.5°	14.8	15.2	16.6	19.2	21.8	23.7	26.3	28.1	29.6	29.2	28.5
85°	7.8	7.8	9.2	11.5	13.3	15.2	15.2	14.1	13.3	11.5	10.7
87.5°	2.6	2.2	3.0	3.0	2.6	3.0	3.0	3.3	3.3	3.3	3.3
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)