

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: P526198

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2886 lumens
Efficiency: N/A
Efficacy: 87.5 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

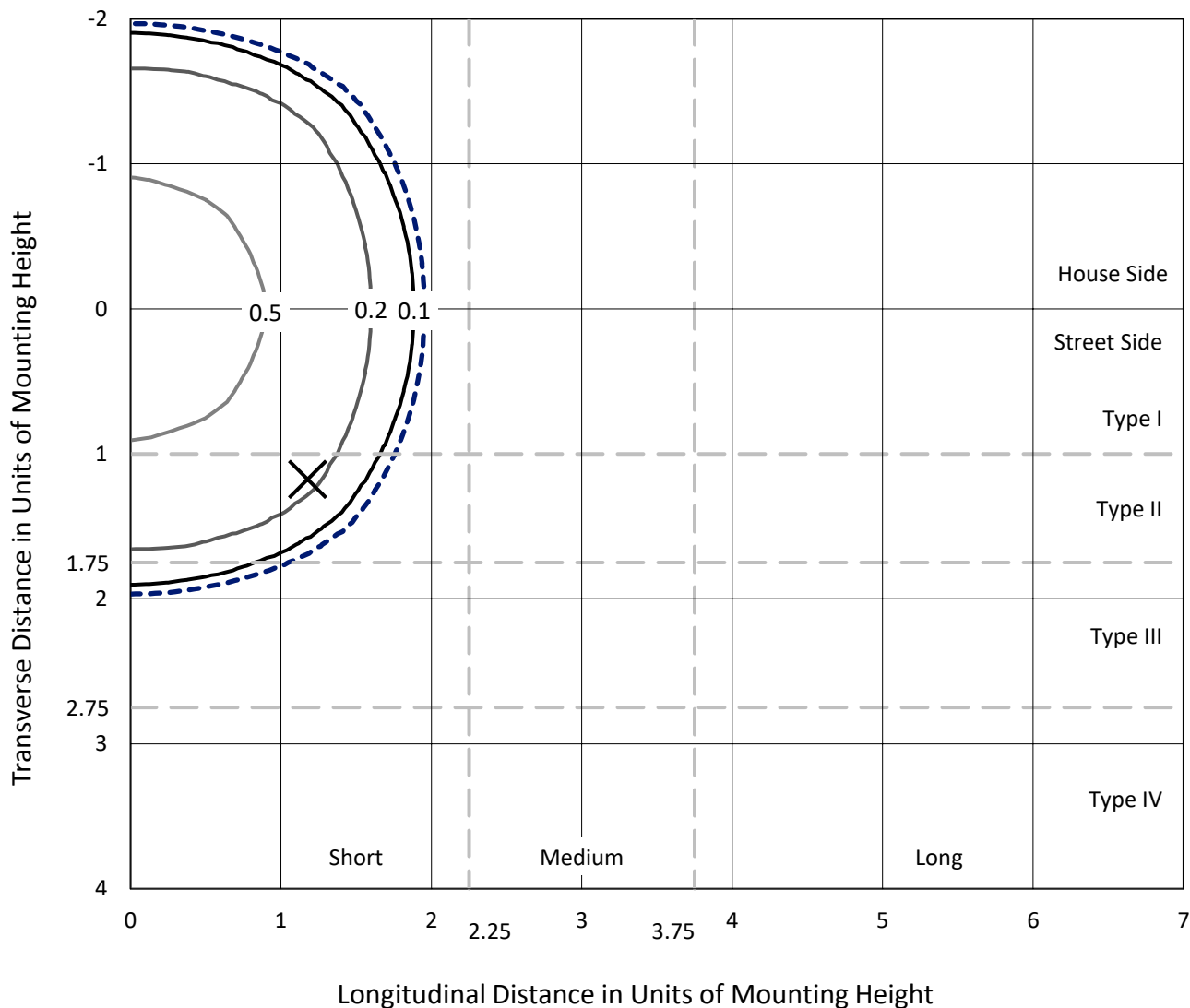
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

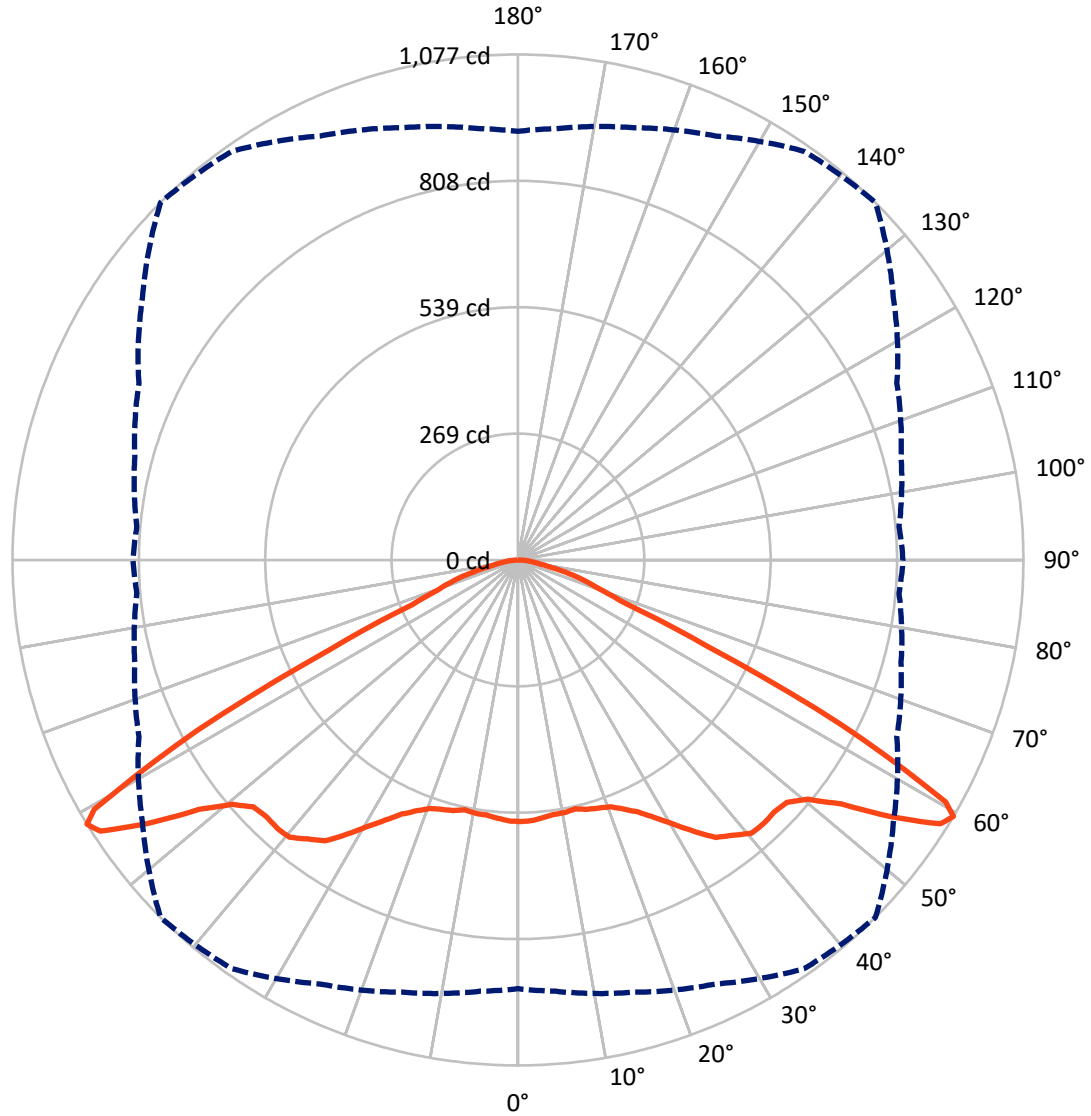
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical



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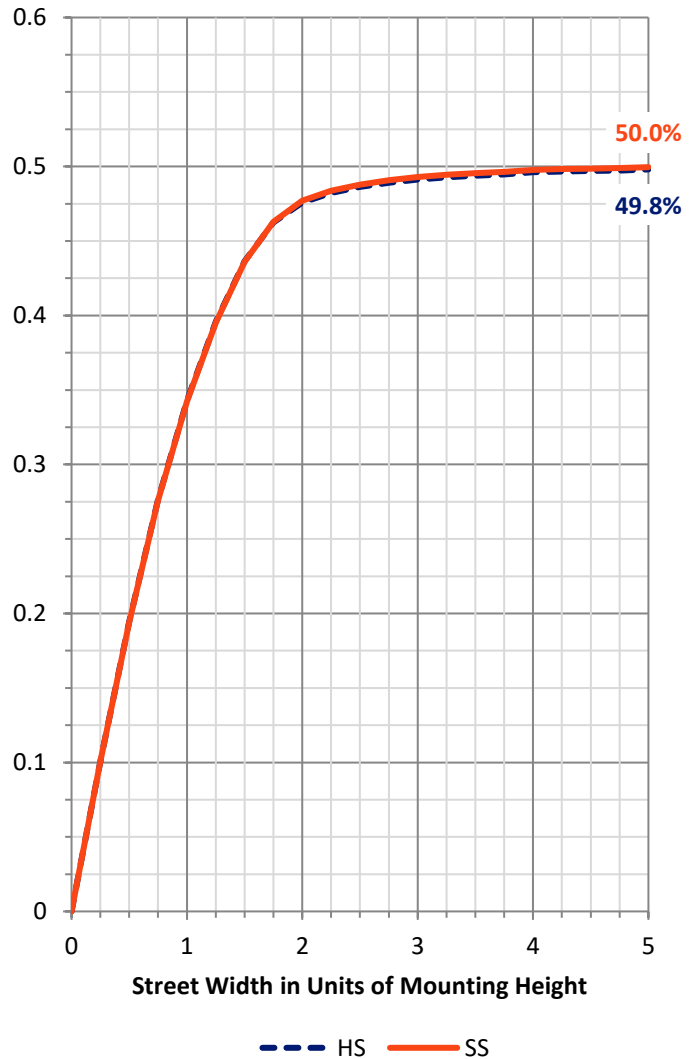
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.0	0.0	1443.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1443.0	0.0	1443.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2886.0	0.0	2886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.8
10°-20°	156.3	5.4
20°-30°	272.9	9.5
30°-40°	435.8	15.1
40°-50°	593.7	20.6
50°-60°	802.8	27.8
60°-70°	440.2	15.3
70°-80°	112.6	3.9
80°-90°	19.2	0.7
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°	2886.0	100.0
0°-180°	2886.0	100.0

Coefficient of Utilization



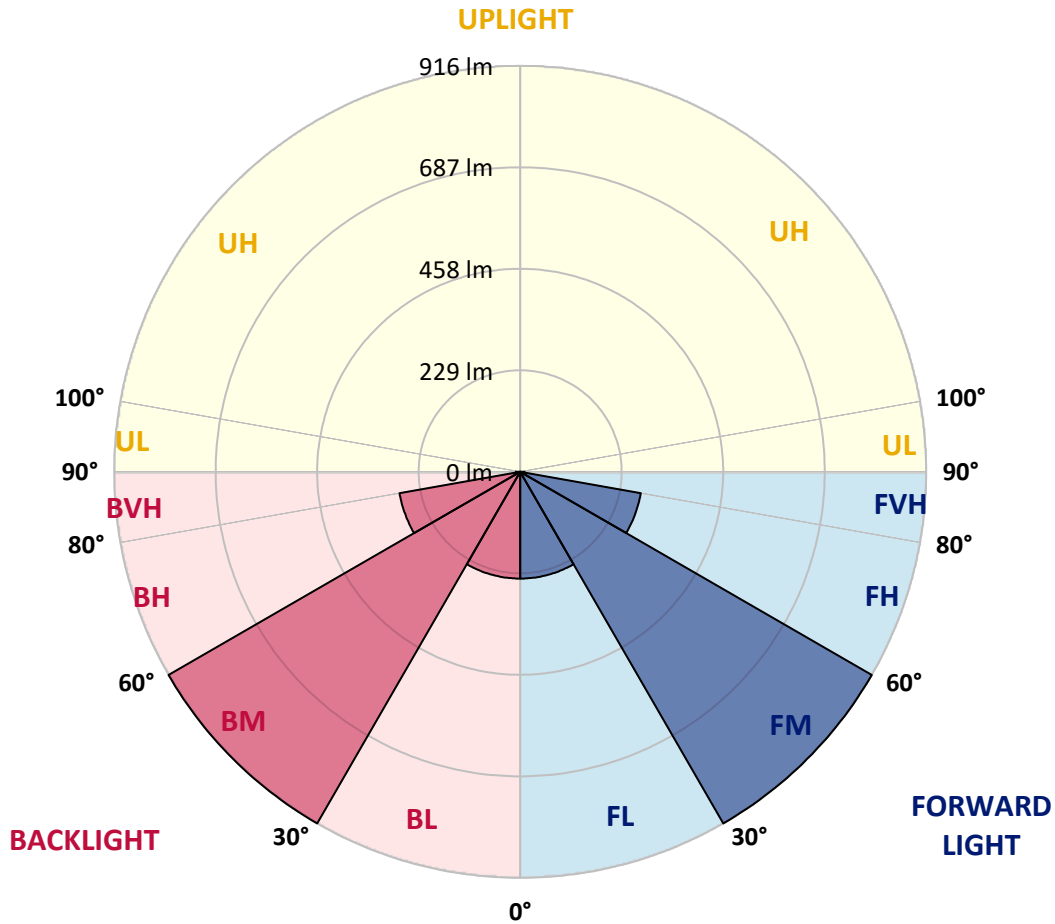
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.8	8.3			
FM (30°-60°)	916.1	31.7			
FH (60°-80°)	276.4	9.6			G0/660
FVH (80°-90°)	9.6	0.3			G0/10
BL (0°-30°)	240.8	8.3	B1/500		
BM (30°-60°)	916.1	31.7	B1/1000		
BH (60°-80°)	276.4	9.6	B1/500		G0/660
BVH (80°-90°)	9.6	0.3			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°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	554.1	558.2	555.2	557.8	557.4	556.3	554.5	553.4	551.9	554.1	550.4
5°	551.9	555.2	558.5	554.1	554.1	551.9	550.8	548.6	548.6	548.2	547.8
7.5°	555.6	552.3	550.8	551.5	552.3	547.4	550.8	546.3	542.6	545.2	548.2
10°	552.3	553.7	548.2	550.8	546.7	547.4	545.2	548.2	544.1	544.1	544.1
12.5°	555.6	551.5	553.4	551.5	550.4	544.1	547.1	543.8	543.4	547.1	543.8
15°	562.2	555.6	554.1	550.4	551.5	551.5	548.6	548.9	544.9	547.1	547.8
17.5°	560.0	556.3	555.2	550.8	554.5	555.6	550.0	546.3	548.9	548.6	548.2
20°	561.9	563.4	562.2	563.0	564.5	561.5	556.3	551.1	547.8	552.6	552.3
22.5°	573.7	572.2	571.5	570.8	573.3	576.3	569.3	561.1	561.1	564.5	565.9
25°	583.3	583.0	582.6	585.9	594.8	594.8	585.9	575.6	573.0	575.2	573.3
27.5°	597.4	601.5	600.0	605.9	618.8	621.8	610.0	597.8	590.7	588.1	591.5
30°	629.6	624.8	625.9	632.2	643.6	653.2	635.1	622.2	612.6	612.2	613.7
32.5°	651.0	654.7	658.0	664.0	682.1	689.5	667.7	646.6	640.7	637.3	638.4
35°	693.9	690.6	689.9	695.8	713.9	726.1	698.7	680.2	672.5	679.9	679.9
37.5°	734.6	725.4	718.3	726.1	742.8	744.2	720.9	710.9	706.9	715.4	715.0
40°	753.9	753.1	736.8	741.3	763.5	765.7	743.9	732.0	731.3	742.4	753.5
42.5°	773.8	766.8	750.5	753.5	767.2	767.9	747.2	743.9	752.0	762.7	763.5
45°	777.2	771.2	760.9	753.5	763.5	765.7	753.5	755.7	756.4	769.4	769.4
47.5°	783.8	783.1	777.2	771.6	773.5	771.6	763.8	767.2	778.3	784.6	781.6
50°	802.3	794.5	800.5	795.7	796.0	801.2	794.2	797.5	795.3	789.7	786.0
52.5°	843.0	839.3	844.5	847.8	851.5	863.3	855.2	837.5	820.8	806.0	805.6
55°	902.6	905.1	915.1	932.1	946.6	965.4	926.2	883.7	857.1	833.8	835.2
57.5°	958.8	956.9	970.6	1009.5	1051.6	1061.2	984.3	923.6	880.4	865.6	859.3
59°	913.6	922.5	953.6	996.9	1063.1	1077.1	976.5	891.1	845.2	815.3	820.4
60°	842.6	846.0	873.7	934.0	1023.5	1047.6	924.4	840.8	779.7	762.4	770.1
62.5°	595.5	592.9	612.9	662.1	742.4	774.9	687.3	628.5	590.0	570.8	575.2
65°	316.6	328.5	336.6	367.3	409.8	444.2	408.0	382.5	361.0	345.1	344.7
67.5°	213.8	212.3	214.2	221.2	235.6	245.2	244.5	231.6	229.7	226.7	230.1
70°	180.1	179.4	176.1	176.1	179.0	181.3	183.8	185.3	188.3	192.0	191.6
72.5°	146.1	144.3	142.0	140.9	144.6	145.7	149.1	150.5	153.1	152.8	156.1
75°	96.5	96.5	99.1	102.1	103.2	105.4	105.8	110.2	110.2	111.0	108.0
77.5°	54.0	52.5	54.4	57.3	59.9	64.0	68.1	71.4	73.2	72.5	72.5
80°	31.4	31.4	33.3	36.6	39.9	43.6	46.6	49.2	51.0	50.3	48.8
82.5°	19.6	19.6	21.5	24.8	27.4	29.6	33.7	37.0	39.2	38.5	36.6
85°	10.0	10.0	12.2	14.4	17.8	19.2	18.9	17.4	17.0	15.2	15.2
87.5°	2.6	2.6	3.7	4.1	3.3	3.7	3.7	3.7	3.7	3.7	4.1
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)