

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: P530876

Luminaire Tested: **GALN-SA6A-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17956 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

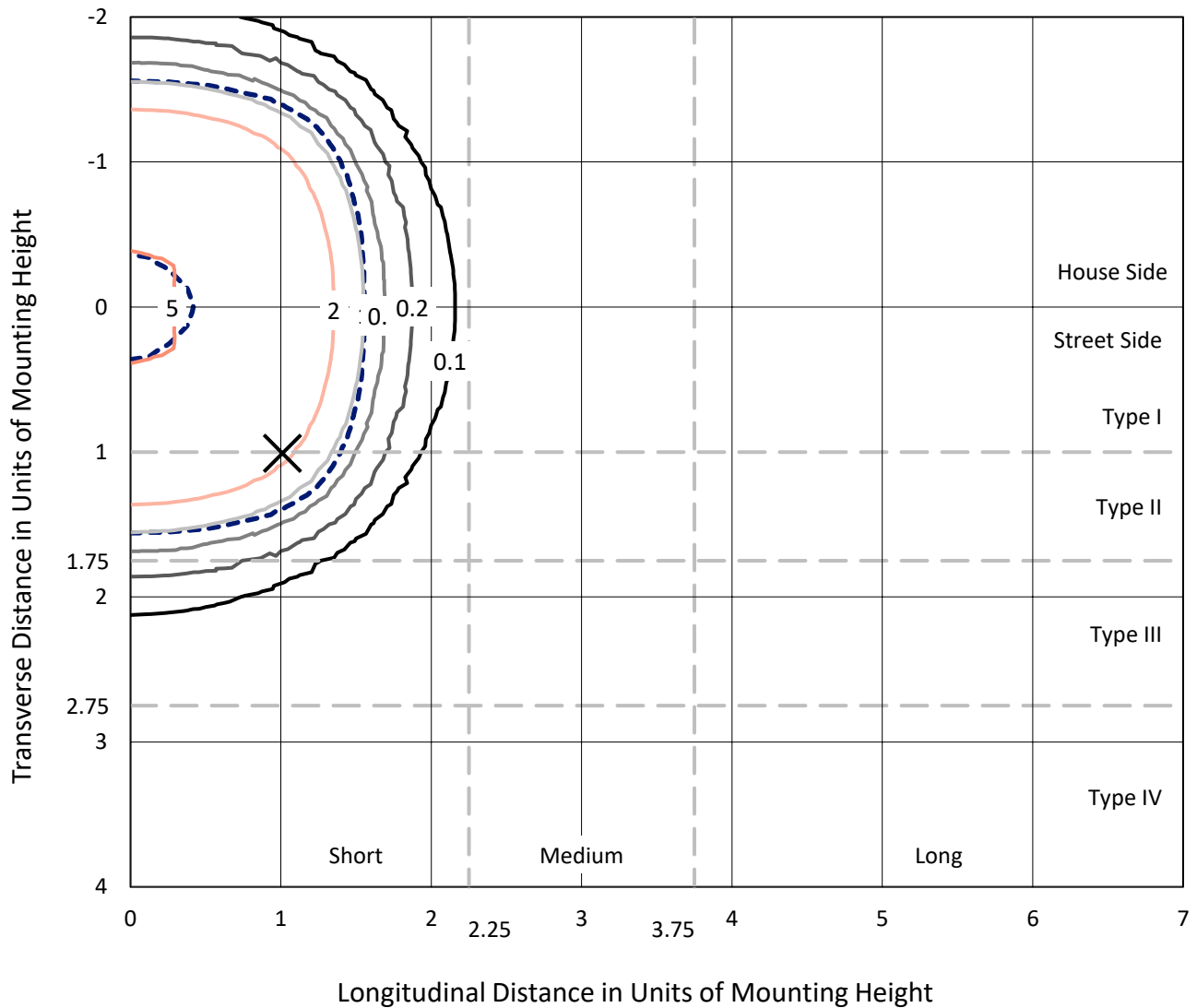
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

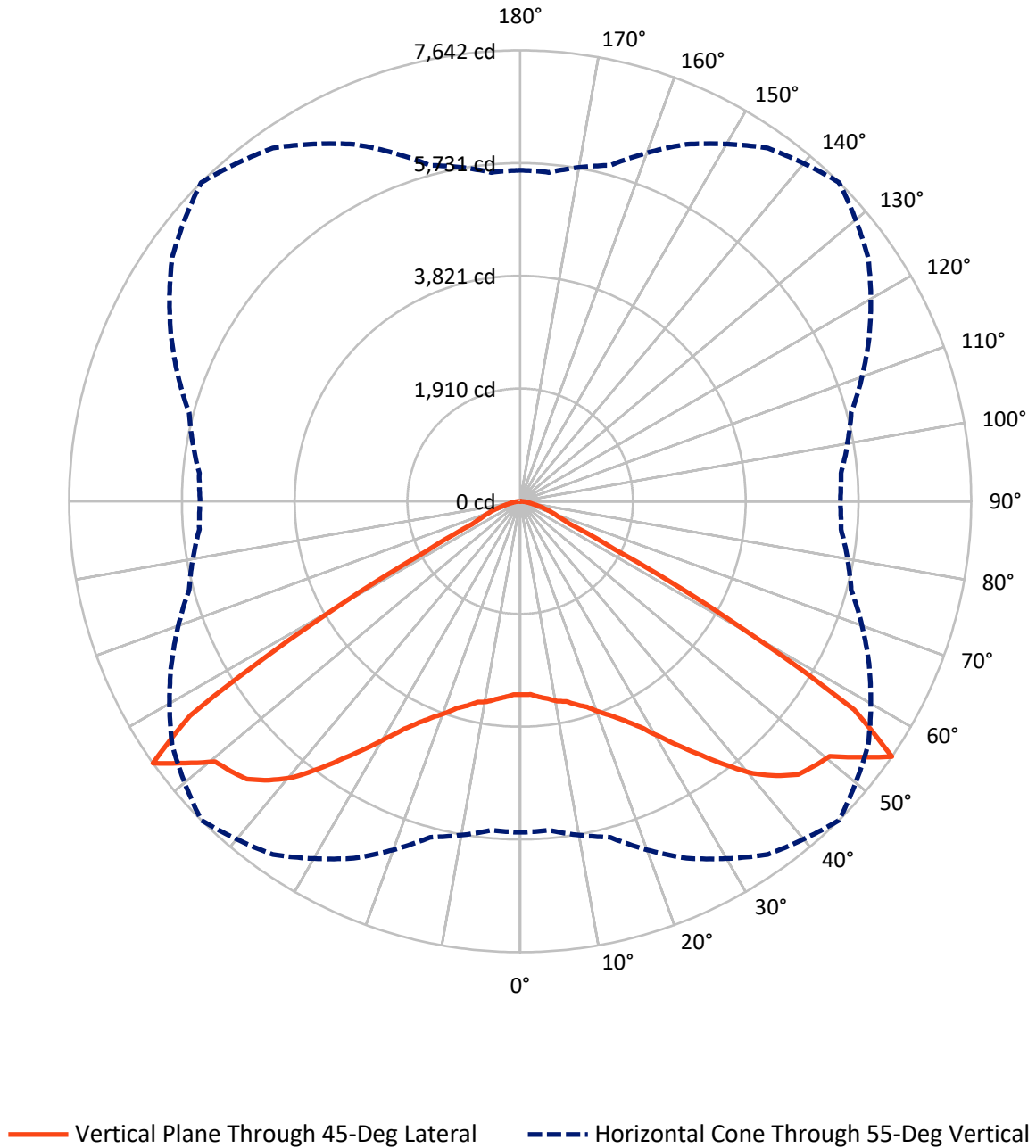
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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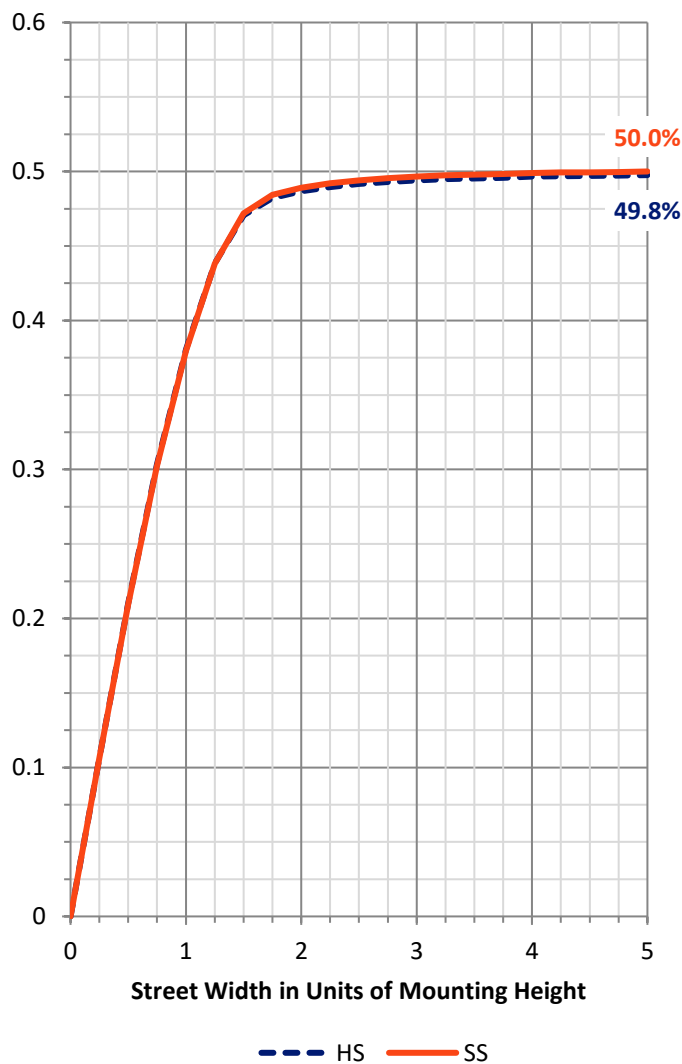
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8978.0	0.0	8978.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8978.0	0.0	8978.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17956.0	0.0	17956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.3	1.8
10°-20°	1014.8	5.7
20°-30°	1892.3	10.5
30°-40°	3168.3	17.6
40°-50°	4930.1	27.5
50°-60°	5119.0	28.5
60°-70°	1085.6	6.0
70°-80°	357.5	2.0
80°-90°	68.1	0.4
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°	17956.0	100.0
0°-180°	17956.0	100.0

Coefficient of Utilization



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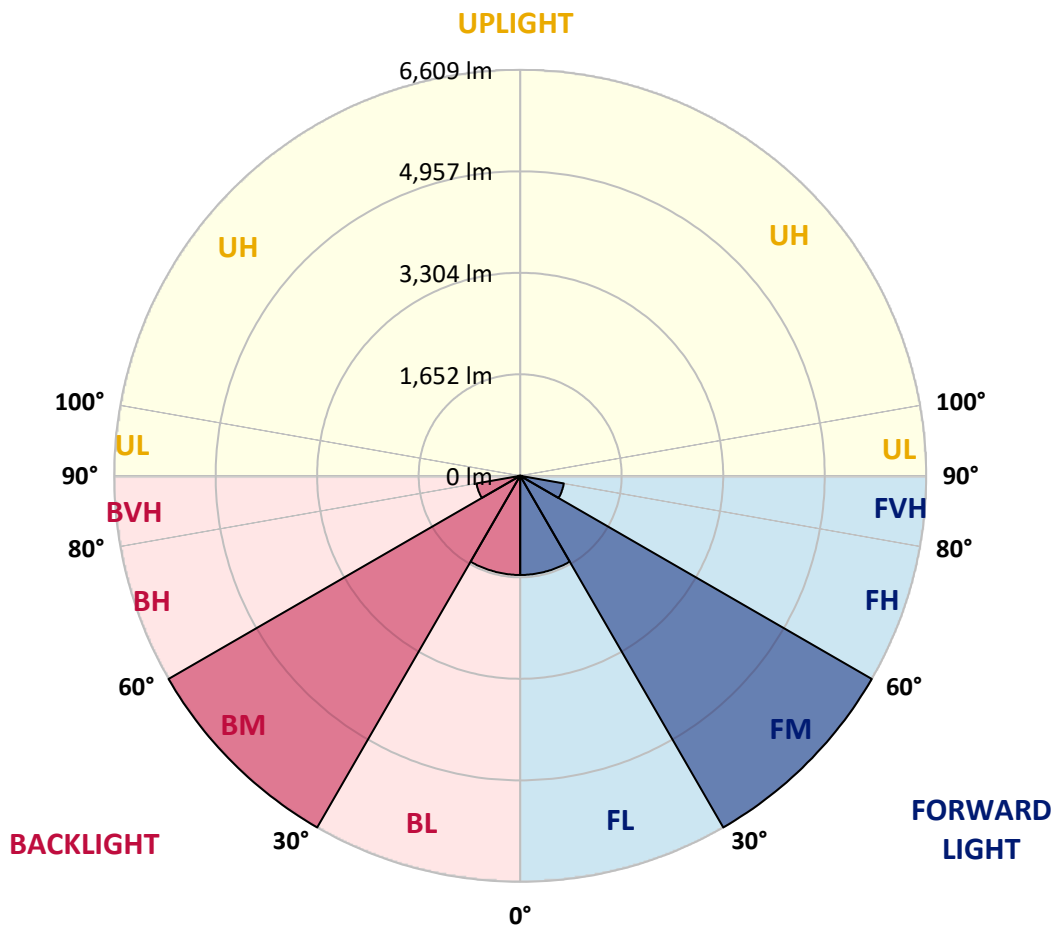
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.7	9.0			
FM (30°-60°)	6608.7	36.8			
FH (60°-80°)	721.5	4.0			G1/1800
FVH (80°-90°)	34.0	0.2			G1/100
BL (0°-30°)	1613.7	9.0	B3/2500		
BM (30°-60°)	6608.7	36.8	B4/8500		
BH (60°-80°)	721.5	4.0	B2/1000		G1/1800
BVH (80°-90°)	34.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5	3278.5
2.5°	3317.6	3302.4	3276.3	3295.9	3311.0	3278.5	3291.5	3298.0	3293.7	3276.3	3282.8
5°	3365.3	3356.6	3334.9	3350.1	3330.6	3330.6	3317.6	3300.2	3326.2	3321.9	3332.7
7.5°	3365.3	3354.4	3397.8	3369.6	3378.3	3378.3	3356.6	3339.3	3352.3	3332.7	3321.9
10°	3432.6	3447.7	3428.2	3434.7	3430.4	3445.6	3413.0	3402.2	3391.3	3384.8	3371.8
12.5°	3512.8	3502.0	3508.5	3504.2	3519.3	3480.3	3460.8	3436.9	3456.4	3428.2	3447.7
15°	3577.9	3571.4	3577.9	3595.3	3580.1	3577.9	3543.2	3519.3	3489.0	3495.5	3465.1
17.5°	3666.9	3660.4	3662.5	3677.7	3675.6	3664.7	3638.7	3593.1	3582.3	3564.9	3545.4
20°	3799.2	3788.4	3784.1	3790.6	3801.4	3810.1	3758.0	3740.7	3703.8	3675.6	3643.0
22.5°	3912.1	3907.7	3925.1	3896.9	3920.7	3946.8	3896.9	3888.2	3797.1	3781.9	3747.2
25°	4068.3	4061.8	4050.9	4092.2	4120.4	4118.2	4070.5	4022.7	3953.3	3935.9	3935.9
27.5°	4233.2	4196.3	4252.7	4263.6	4313.5	4328.7	4287.4	4218.0	4152.9	4116.0	4124.7
30°	4439.3	4404.6	4417.6	4495.7	4560.8	4617.2	4513.1	4411.1	4320.0	4254.9	4244.0
32.5°	4645.4	4610.7	4649.8	4725.7	4855.9	4940.5	4838.6	4660.6	4554.3	4458.8	4478.4
35°	4812.5	4838.6	4901.5	5016.5	5151.0	5287.7	5125.0	4988.3	4836.4	4730.1	4745.3
37.5°	5081.6	5161.8	5211.7	5344.1	5535.0	5676.1	5506.8	5328.9	5166.2	5027.3	4979.6
40°	5433.1	5487.3	5543.7	5699.9	5925.6	6066.6	5906.1	5673.9	5513.3	5370.1	5363.6
42.5°	5819.3	5871.4	5929.9	6120.9	6255.4	6361.7	6214.2	6090.5	5912.6	5799.8	5793.2
45°	6268.4	6231.5	6296.6	6422.5	6535.3	6604.7	6509.3	6448.5	6320.5	6216.3	6205.5
47.5°	6567.8	6535.3	6652.5	6765.3	6782.6	6706.7	6726.2	6782.6	6648.1	6476.7	6531.0
50°	6741.4	6741.4	6819.5	6923.7	6891.1	6793.5	6947.6	6951.9	6817.4	6665.5	6665.5
52.5°	6439.8	6507.1	6728.4	7069.1	7177.5	7205.8	7171.0	7023.5	6672.0	6361.7	6346.5
55°	5611.0	5595.8	5895.2	6676.3	7307.7	7641.9	7199.2	6520.1	5806.3	5456.9	5422.2
57.5°	3649.5	3666.9	4113.9	4910.2	6049.3	6672.0	5925.6	4970.9	4113.9	3632.2	3677.7
60°	1642.5	1701.1	1972.3	2566.8	3545.4	4053.1	3554.1	2697.0	2069.9	1796.6	1820.4
62.5°	943.8	954.7	965.5	1145.6	1510.1	1785.7	1568.7	1210.7	1067.5	1019.8	1019.8
65°	796.3	789.8	792.0	807.1	846.2	902.6	878.8	846.2	850.5	846.2	839.7
67.5°	677.0	685.6	679.1	690.0	692.2	700.8	716.0	729.0	731.2	735.5	731.2
70°	555.5	557.6	562.0	570.6	572.8	579.3	601.0	611.9	618.4	618.4	627.1
72.5°	425.3	423.1	427.4	436.1	447.0	449.1	468.7	483.9	492.5	481.7	483.9
75°	279.9	282.1	288.6	295.1	310.3	325.5	332.0	347.2	349.3	353.7	342.8
77.5°	167.1	171.4	177.9	190.9	204.0	217.0	232.2	243.0	247.4	243.0	230.0
80°	108.5	108.5	117.2	128.0	143.2	154.1	162.7	171.4	177.9	171.4	167.1
82.5°	67.3	67.3	78.1	91.1	102.0	108.5	121.5	132.4	138.9	134.5	128.0
85°	34.7	36.9	45.6	56.4	65.1	69.4	67.3	60.8	54.2	52.1	47.7
87.5°	10.8	10.8	13.0	13.0	10.8	10.8	13.0	10.8	13.0	13.0	13.0
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)