

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: P531343

Luminaire Tested: **GALN-SA6C-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21054 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

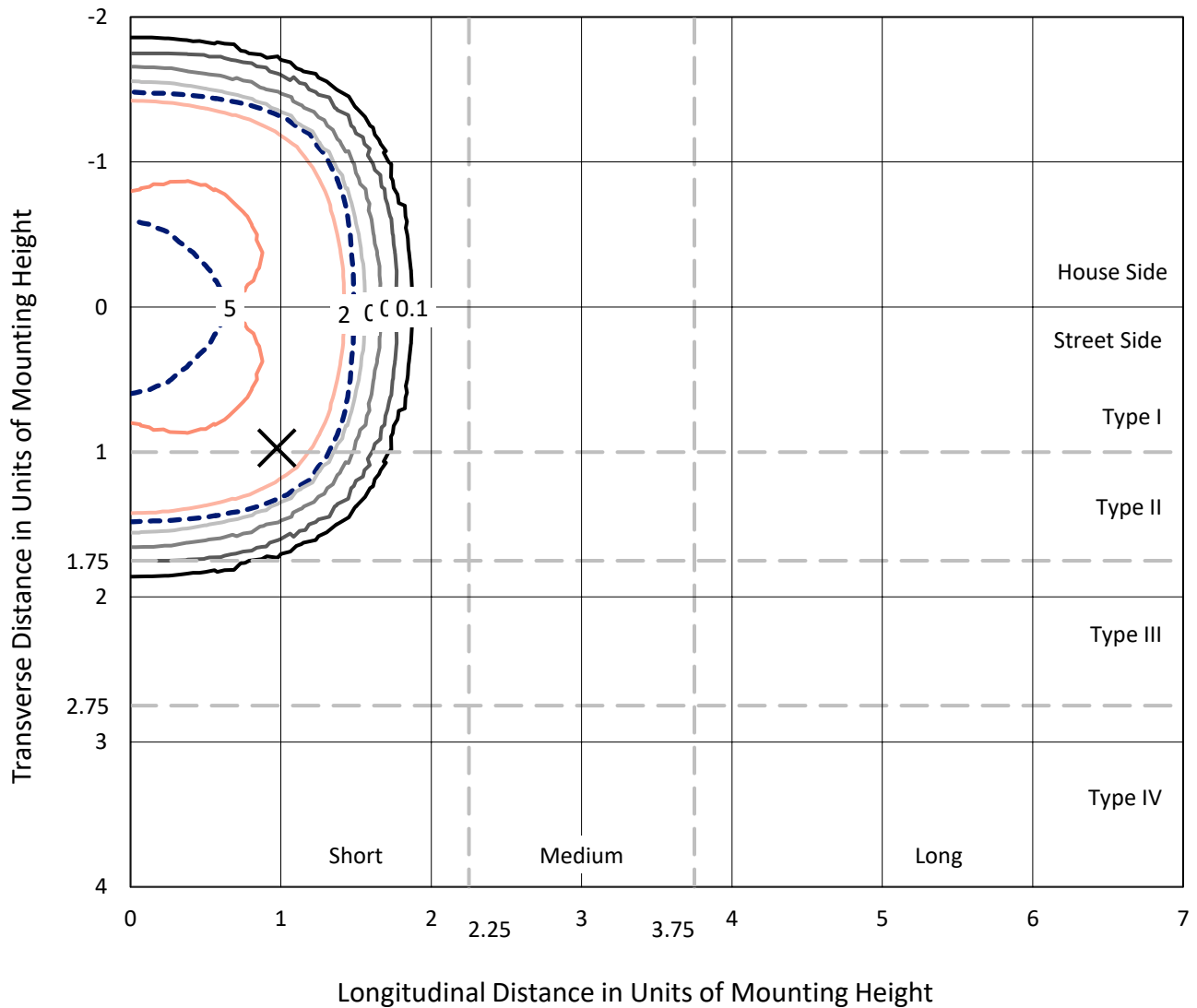
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531343
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Iso-Footcandle Lines of Horizontal Illumination

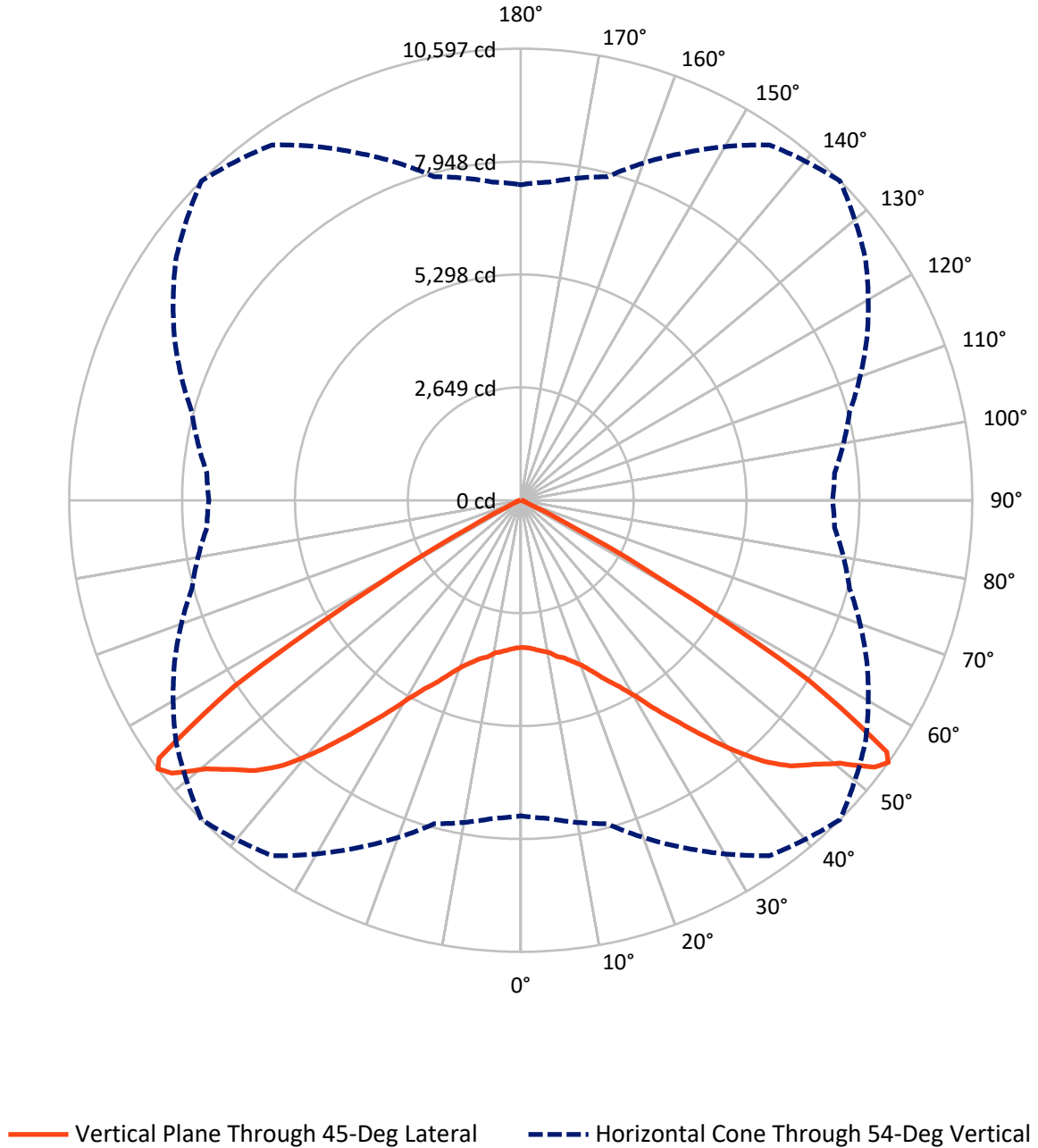
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P531343
CATALOG NUMBER: GALN-SA6C-827-U-5NQ-GRSBK

Luminous Intensity Polar Plot



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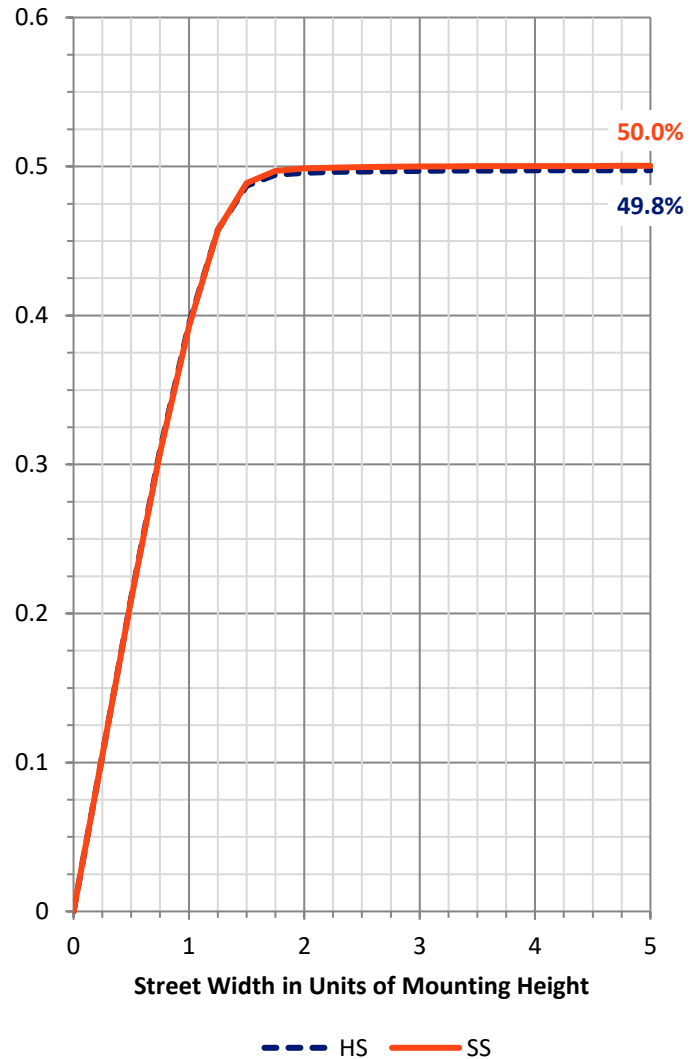
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10527.0	0.0	10527.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10527.0	0.0	10527.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21054.0	0.0	21054.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.9	1.6
10°-20°	1094.2	5.2
20°-30°	2144.6	10.2
30°-40°	3856.4	18.3
40°-50°	6601.4	31.4
50°-60°	6387.5	30.3
60°-70°	546.8	2.6
70°-80°	64.8	0.3
80°-90°	20.3	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°	21054.0	100.0
0°-180°	21054.0	100.0



REPORT NUMBER: P531343

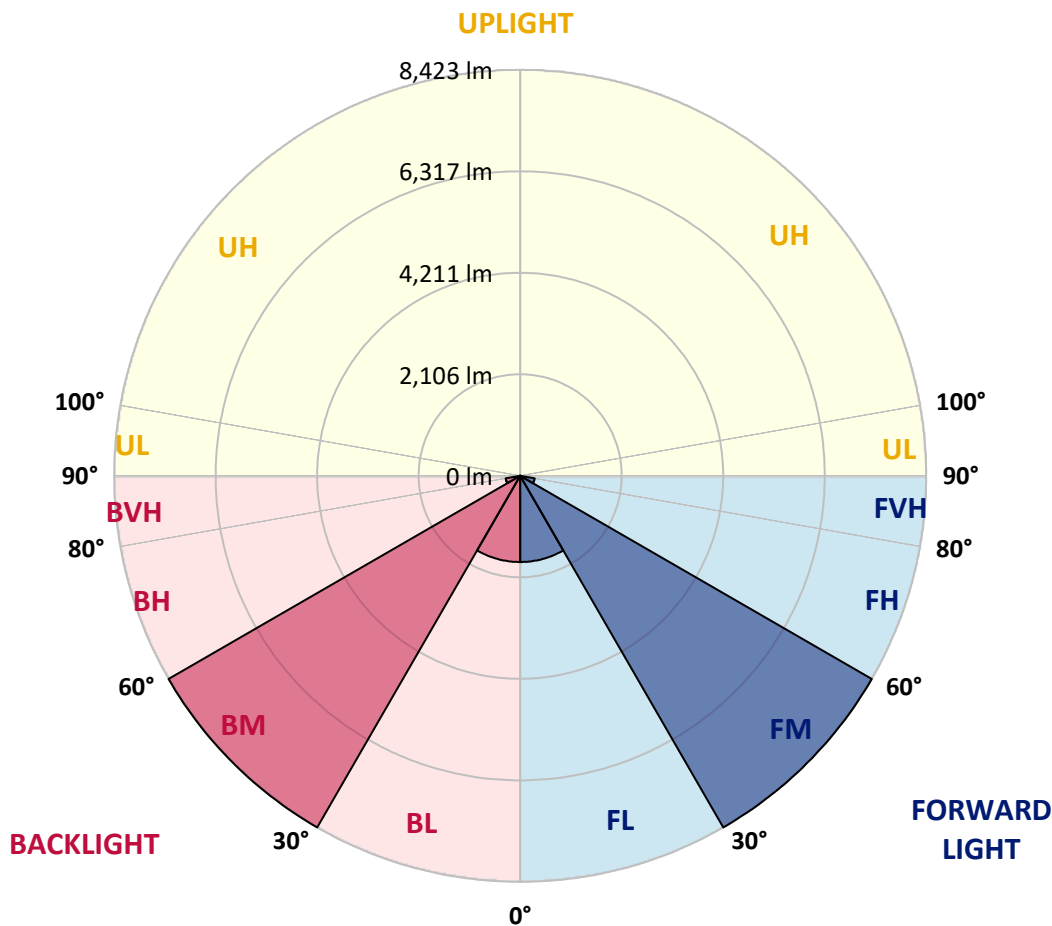
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.3	8.5			
FM (30°-60°)	8422.7	40.0			
FH (60°-80°)	305.8	1.5			G0/660
FVH (80°-90°)	10.2	0.0			G1/100
BL (0°-30°)	1788.3	8.5	B3/2500		
BM (30°-60°)	8422.7	40.0	B4/8500		
BH (60°-80°)	305.8	1.5	B1/500		G0/660
BVH (80°-90°)	10.2	0.0			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°	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2	3452.2
2.5°	3468.9	3488.9	3475.5	3485.6	3485.6	3468.9	3478.9	3438.9	3465.5	3445.5	3448.9
5°	3522.2	3518.9	3518.9	3522.2	3508.9	3515.6	3502.2	3488.9	3478.9	3465.5	3505.6
7.5°	3589.0	3589.0	3565.6	3572.3	3565.6	3575.6	3548.9	3522.2	3512.2	3502.2	3495.6
10°	3652.3	3645.7	3635.7	3665.7	3642.3	3629.0	3615.6	3599.0	3562.3	3548.9	3535.6
12.5°	3745.7	3742.4	3729.0	3759.1	3745.7	3759.1	3709.0	3665.7	3659.0	3615.6	3639.0
15°	3855.8	3885.8	3862.5	3862.5	3855.8	3839.1	3819.1	3799.1	3739.0	3722.4	3725.7
17.5°	3999.2	3989.2	3992.5	3992.5	4025.9	3982.5	3942.5	3892.5	3862.5	3852.5	3819.1
20°	4136.0	4149.3	4146.0	4169.3	4189.3	4142.6	4099.3	4092.6	4009.2	4022.6	3975.9
22.5°	4376.1	4366.1	4382.8	4399.5	4386.1	4379.5	4339.4	4289.4	4216.0	4182.7	4176.0
25°	4629.6	4612.9	4582.9	4622.9	4643.0	4673.0	4596.3	4569.6	4456.2	4406.1	4409.5
27.5°	4846.4	4869.8	4903.1	4919.8	4969.8	4959.8	4906.5	4819.7	4733.0	4676.3	4639.6
30°	5143.3	5156.6	5213.3	5236.7	5323.4	5346.7	5263.4	5163.3	5009.9	4936.5	4893.1
32.5°	5416.8	5510.2	5506.8	5623.6	5763.7	5860.4	5710.3	5556.9	5403.4	5316.7	5240.0
35°	5860.4	5843.7	5940.5	6063.9	6290.7	6400.7	6237.3	6060.5	5827.0	5687.0	5626.9
37.5°	6274.0	6280.7	6410.8	6607.5	6867.7	7037.8	6894.4	6604.2	6364.1	6183.9	6100.6
40°	6874.4	6887.7	7021.1	7244.6	7538.1	7721.6	7554.8	7261.3	6941.1	6801.0	6801.0
42.5°	7578.2	7634.9	7721.6	7915.0	8178.5	8382.0	8231.9	8001.8	7678.2	7498.1	7524.8
45°	8302.0	8328.6	8385.3	8672.2	8795.6	8895.7	8755.6	8648.8	8432.0	8211.9	8175.2
47.5°	8979.1	8989.1	9155.8	9245.9	9342.6	9259.2	9349.3	9209.2	8965.7	8752.2	8708.9
50°	9279.2	9262.6	9499.4	9772.9	9846.3	9699.5	9622.8	9529.4	9159.2	8902.3	8788.9
52.5°	8405.4	8502.1	8942.4	9702.9	10276.5	10400.0	9953.0	9522.7	8832.3	8332.0	8255.3
54°	7404.7	7494.8	7858.3	8985.7	10179.8	10596.8	9876.3	8962.4	7988.4	7394.7	7318.0
55°	6414.1	6314.0	6974.4	8125.2	9726.2	10423.3	9572.8	8238.6	7124.5	6580.9	6474.1
57.5°	3472.2	3488.9	4045.9	5133.3	6834.4	7991.8	7057.8	5573.6	4209.3	3599.0	3545.6
60°	1100.7	1127.4	1370.9	2074.7	3265.4	3899.2	3342.1	2238.1	1547.7	1240.8	1190.8
62.5°	343.6	356.9	390.2	580.4	893.9	1277.5	1000.6	600.4	447.0	410.3	416.9
65°	210.1	210.1	213.5	226.8	266.8	310.2	300.2	263.5	253.5	246.8	243.5
67.5°	136.8	133.4	140.1	150.1	156.8	160.1	170.1	180.1	176.8	170.1	170.1
70°	83.4	80.1	86.7	100.1	103.4	110.1	120.1	133.4	130.1	123.4	126.7
72.5°	46.7	46.7	50.0	60.0	70.0	76.7	86.7	96.7	100.1	96.7	96.7
75°	16.7	20.0	26.7	36.7	43.4	53.4	63.4	73.4	83.4	76.7	73.4
77.5°	6.7	6.7	13.3	23.3	33.4	43.4	60.0	70.0	76.7	70.0	63.4
80°	3.3	3.3	10.0	20.0	30.0	40.0	50.0	60.0	63.4	56.7	50.0
82.5°	3.3	3.3	10.0	20.0	30.0	36.7	53.4	60.0	66.7	60.0	50.0
85°	0.0	3.3	10.0	20.0	26.7	30.0	30.0	20.0	16.7	10.0	10.0
87.5°	0.0	0.0	3.3	0.0	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)