

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: P530720

Luminaire Tested: **GALN-SA6A-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530720
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-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 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: 20427 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

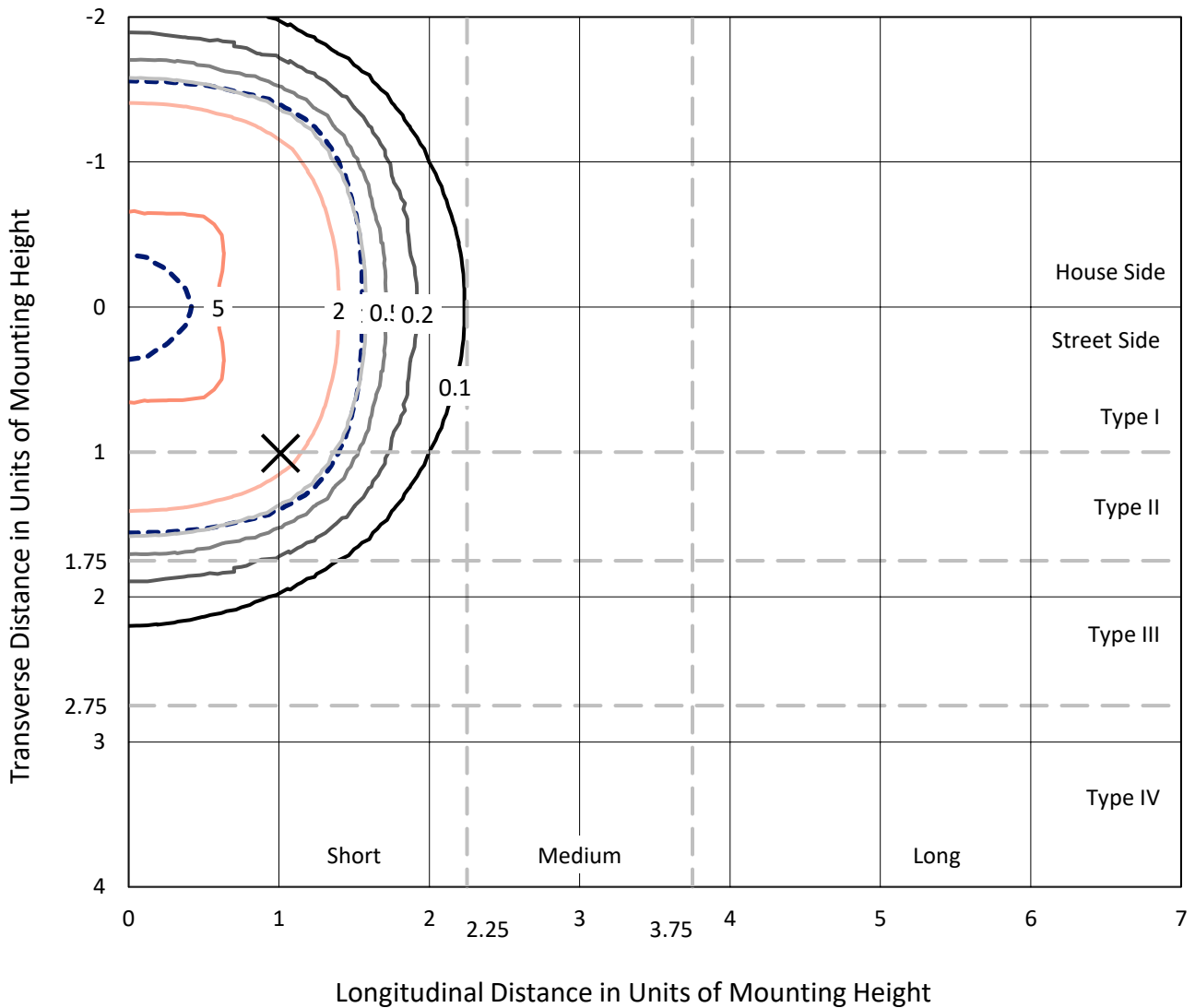
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530720
 CATALOG NUMBER: GALN-SA6A-727-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

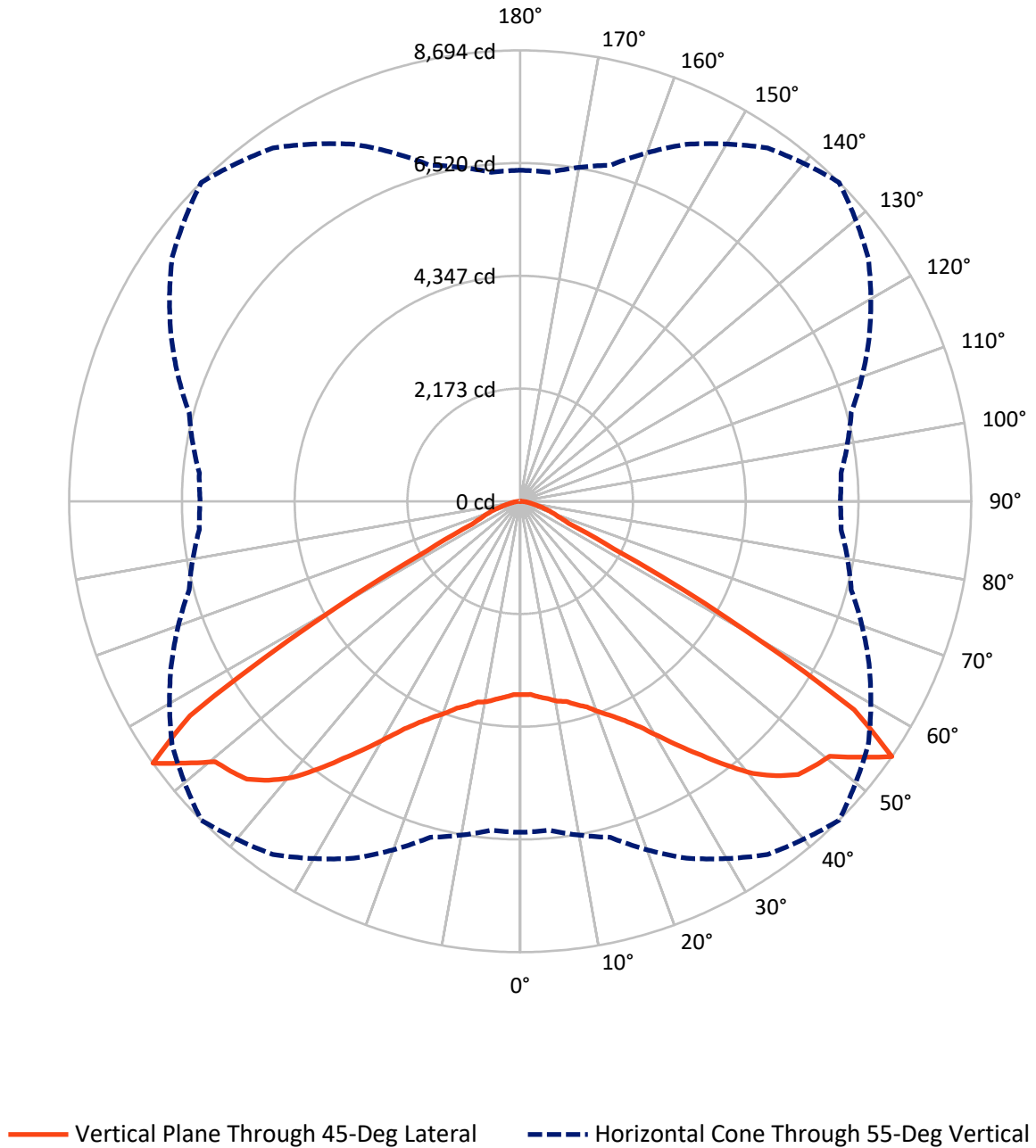
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P530720
CATALOG NUMBER: GALN-SA6A-727-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P530720
 CATALOG NUMBER: GALN-SA6A-727-U-5NQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10213.5	0.0	10213.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10213.5	0.0	10213.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20427.0	0.0	20427.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.3	1.8
10°-20°	1154.5	5.7
20°-30°	2152.7	10.5
30°-40°	3604.3	17.6
40°-50°	5608.6	27.5
50°-60°	5823.5	28.5
60°-70°	1235.0	6.0
70°-80°	406.7	2.0
80°-90°	77.5	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°	20427.0	100.0
0°-180°	20427.0	100.0

Coefficient of Utilization

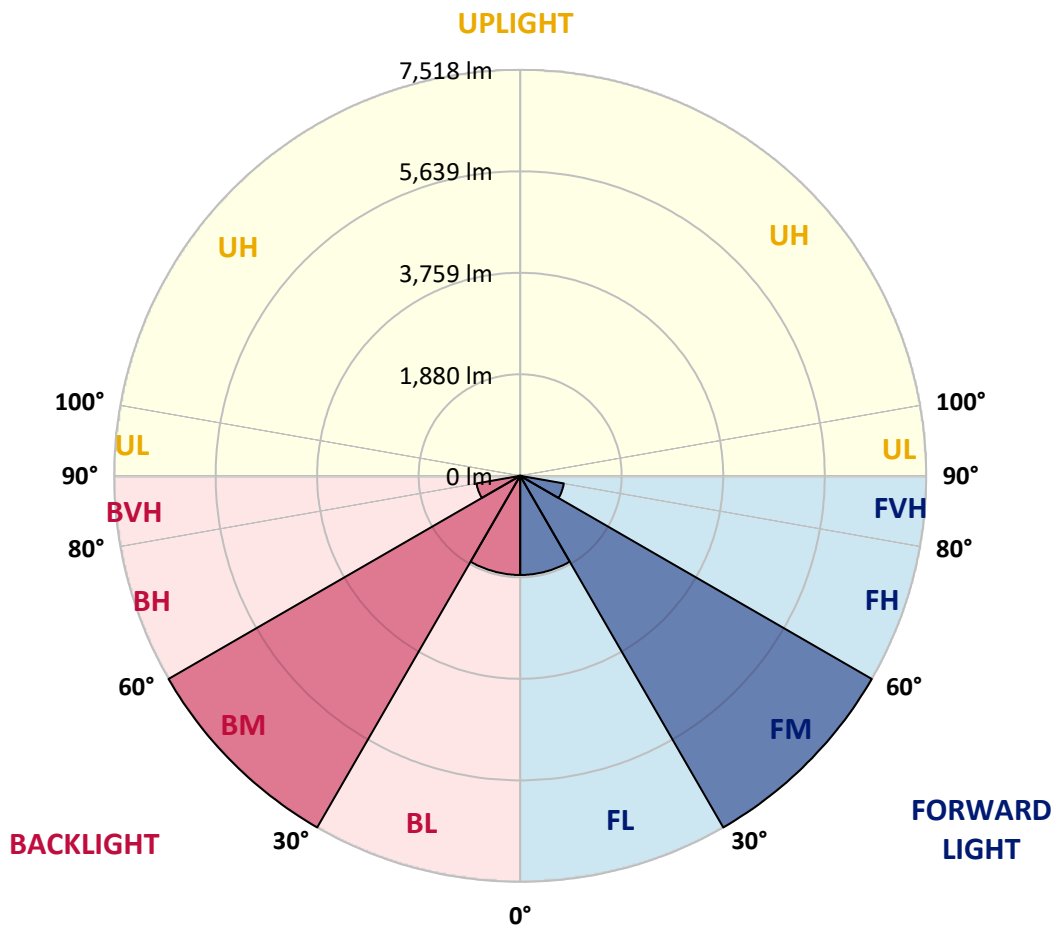


REPORT NUMBER: P530720
 CATALOG NUMBER: GALN-SA6A-727-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1835.7	9.0			
FM (30°-60°)	7518.2	36.8			
FH (60°-80°)	820.8	4.0			G1/1800
FVH (80°-90°)	38.7	0.2			G1/100
BL (0°-30°)	1835.7	9.0	B3/2500		
BM (30°-60°)	7518.2	36.8	B4/8500		
BH (60°-80°)	820.8	4.0	B2/1000		G1/1800
BVH (80°-90°)	38.7	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





REPORT NUMBER: P530720

CATALOG NUMBER: GALN-SA6A-727-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7	3729.7
2.5°	3774.1	3756.8	3727.2	3749.4	3766.7	3729.7	3744.5	3751.9	3746.9	3727.2	3734.6
5°	3828.4	3818.5	3793.8	3811.1	3788.9	3788.9	3774.1	3754.3	3784.0	3779.0	3791.4
7.5°	3828.4	3816.1	3865.4	3833.3	3843.2	3843.2	3818.5	3798.8	3813.6	3791.4	3779.0
10°	3904.9	3922.2	3900.0	3907.4	3902.4	3919.7	3882.7	3870.4	3858.0	3850.6	3835.8
12.5°	3996.2	3983.9	3991.3	3986.4	4003.7	3959.2	3937.0	3909.9	3932.1	3900.0	3922.2
15°	4070.3	4062.9	4070.3	4090.0	4072.8	4070.3	4030.8	4003.7	3969.1	3976.5	3941.9
17.5°	4171.5	4164.1	4166.6	4183.8	4181.4	4169.0	4139.4	4087.6	4075.2	4055.5	4033.3
20°	4322.1	4309.7	4304.8	4312.2	4324.5	4334.4	4275.2	4255.4	4213.5	4181.4	4144.3
22.5°	4450.4	4445.5	4465.2	4433.1	4460.3	4489.9	4433.1	4423.3	4319.6	4302.3	4262.8
25°	4628.1	4620.7	4608.4	4655.3	4687.4	4684.9	4630.6	4576.3	4497.3	4477.6	4477.6
27.5°	4815.7	4773.8	4838.0	4850.3	4907.1	4924.3	4877.4	4798.5	4724.4	4682.4	4692.3
30°	5050.2	5010.7	5025.5	5114.4	5188.5	5252.6	5134.2	5018.1	4914.5	4840.4	4828.1
32.5°	5284.7	5245.2	5289.7	5376.0	5524.2	5620.4	5504.4	5302.0	5181.1	5072.4	5094.7
35°	5474.8	5504.4	5576.0	5706.8	5859.8	6015.4	5830.2	5674.7	5501.9	5381.0	5398.3
37.5°	5780.9	5872.2	5929.0	6079.5	6296.7	6457.2	6264.7	6062.2	5877.1	5719.1	5664.8
40°	6180.7	6242.4	6306.6	6484.3	6741.0	6901.5	6718.8	6454.7	6272.1	6109.1	6101.7
42.5°	6620.1	6679.3	6746.0	6963.2	7116.2	7237.2	7069.3	6928.6	6726.2	6597.9	6590.5
45°	7131.0	7089.1	7163.1	7306.3	7434.6	7513.6	7405.0	7335.9	7190.3	7071.8	7059.5
47.5°	7471.7	7434.6	7567.9	7696.3	7716.0	7629.6	7651.9	7716.0	7563.0	7368.0	7429.7
50°	7669.1	7669.1	7758.0	7876.5	7839.5	7728.4	7903.6	7908.6	7755.5	7582.7	7582.7
52.5°	7326.0	7402.6	7654.3	8041.9	8165.3	8197.4	8157.9	7990.0	7590.2	7237.2	7219.9
55°	6383.1	6365.9	6706.5	7595.1	8313.4	8693.5	8190.0	7417.4	6605.3	6207.9	6168.4
57.5°	4151.8	4171.5	4680.0	5585.9	6881.7	7590.2	6741.0	5655.0	4680.0	4132.0	4183.8
60°	1868.5	1935.2	2243.7	2920.0	4033.3	4610.9	4043.1	3068.1	2354.8	2043.8	2070.9
62.5°	1073.7	1086.1	1098.4	1303.3	1718.0	2031.4	1784.6	1377.3	1214.4	1160.1	1160.1
65°	905.9	898.5	900.9	918.2	962.7	1026.8	999.7	962.7	967.6	962.7	955.2
67.5°	770.1	780.0	772.6	784.9	787.4	797.3	814.6	829.4	831.8	836.8	831.8
70°	631.9	634.4	639.3	649.2	651.6	659.0	683.7	696.1	703.5	703.5	713.4
72.5°	483.8	481.3	486.3	496.1	508.5	510.9	533.2	550.4	560.3	548.0	550.4
75°	318.4	320.9	328.3	335.7	353.0	370.3	377.7	394.9	397.4	402.3	390.0
77.5°	190.1	195.0	202.4	217.2	232.0	246.8	264.1	276.5	281.4	276.5	261.6
80°	123.4	123.4	133.3	145.6	162.9	175.3	185.1	195.0	202.4	195.0	190.1
82.5°	76.5	76.5	88.9	103.7	116.0	123.4	138.2	150.6	158.0	153.0	145.6
85°	39.5	42.0	51.8	64.2	74.1	79.0	76.5	69.1	61.7	59.2	54.3
87.5°	12.3	12.3	14.8	14.8	12.3	12.3	14.8	12.3	14.8	14.8	14.8
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)