

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: P530954

Luminaire Tested: **GALN-SA6B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530954
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-SA6B-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA 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: 25417 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

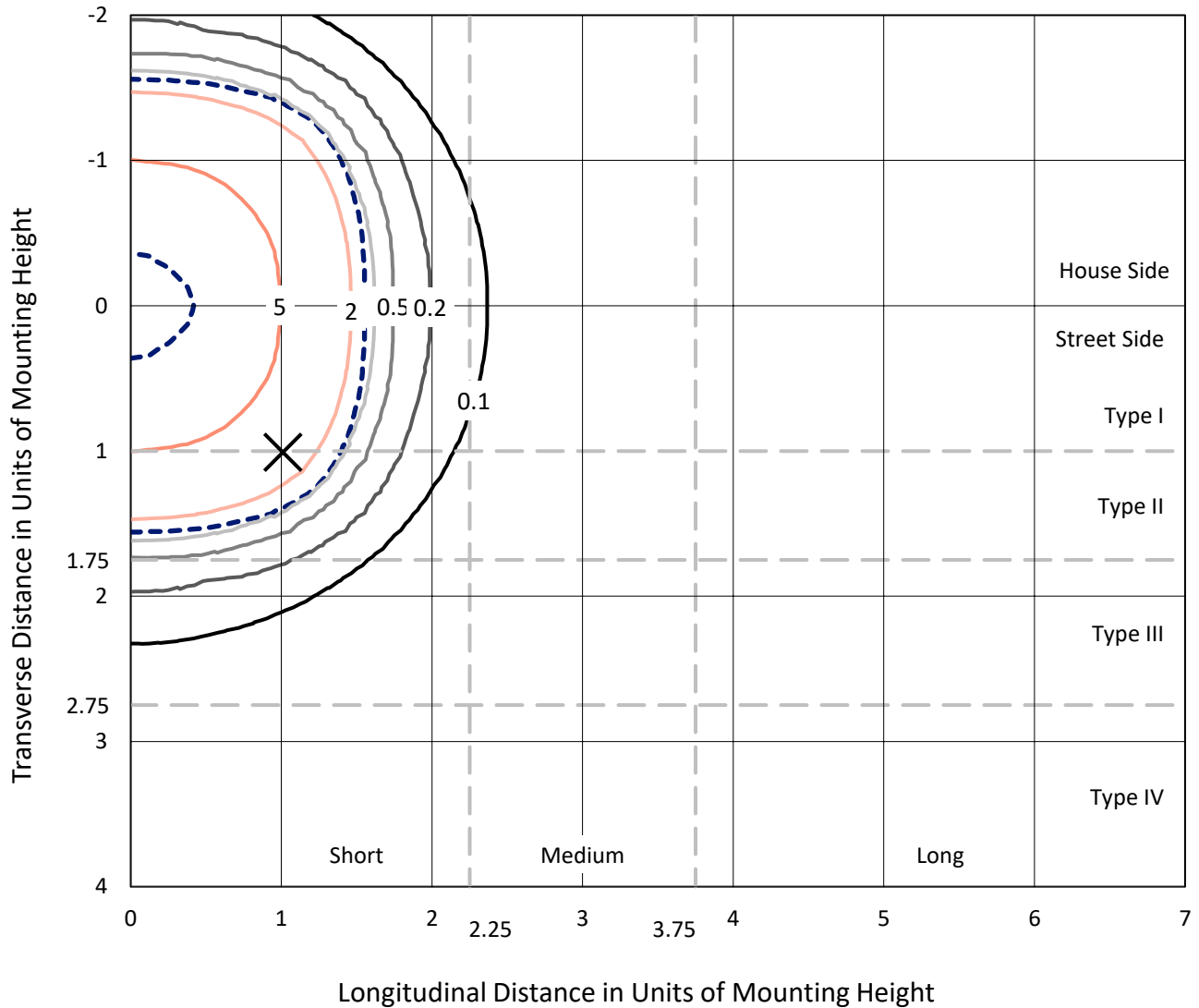
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

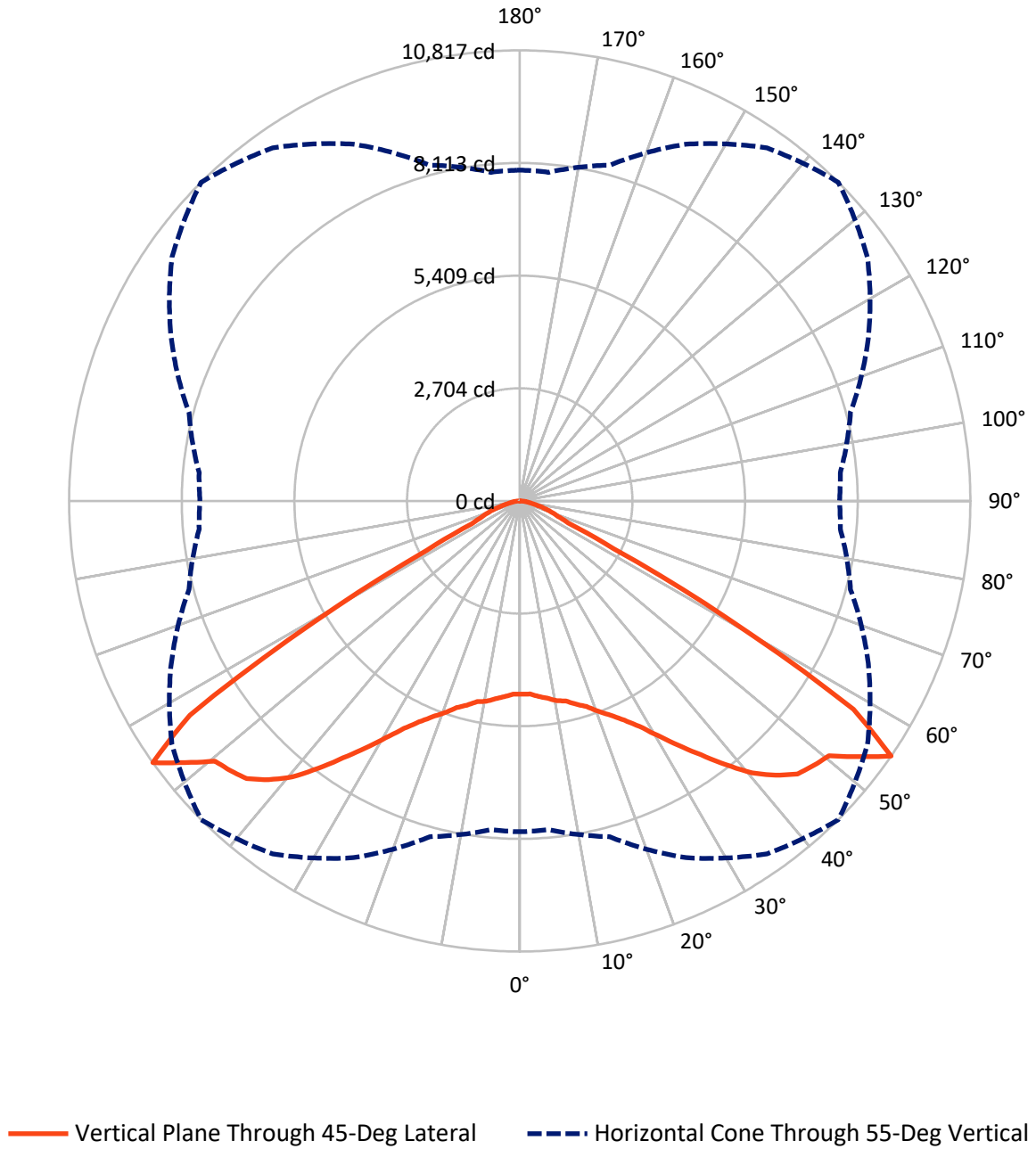
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	12708.5	0.0	12708.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12708.5	0.0	12708.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25417.0	0.0	25417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.4	1.8
10°-20°	1436.5	5.7
20°-30°	2678.6	10.5
30°-40°	4484.8	17.6
40°-50°	6978.7	27.5
50°-60°	7246.1	28.5
60°-70°	1536.6	6.0
70°-80°	506.1	2.0
80°-90°	96.4	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°	25417.0	100.0
0°-180°	25417.0	100.0

Coefficient of Utilization



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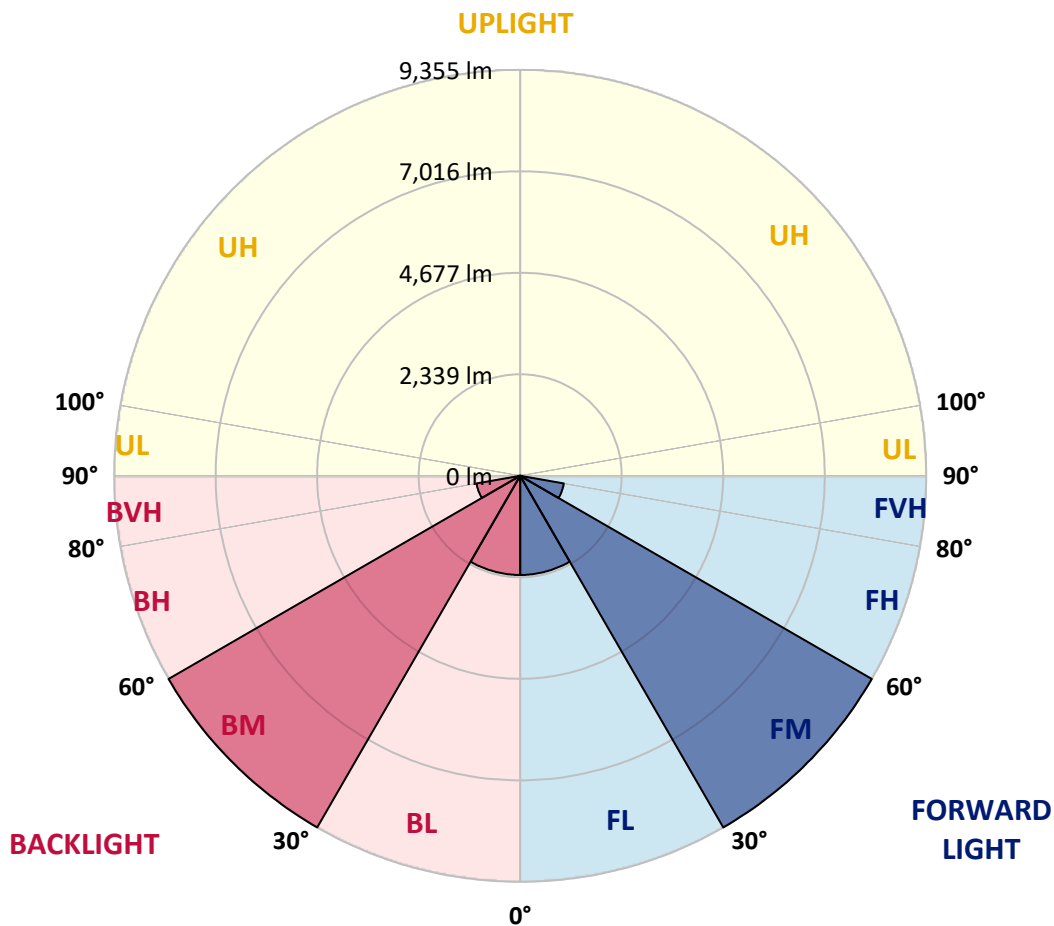
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2284.2	9.0			
FM (30°-60°)	9354.8	36.8			
FH (60°-80°)	1021.4	4.0			G1/1800
FVH (80°-90°)	48.2	0.2			G1/100
BL (0°-30°)	2284.2	9.0	B3/2500		
BM (30°-60°)	9354.8	36.8	B5		
BH (60°-80°)	1021.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	48.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8	4640.8
2.5°	4696.0	4674.5	4637.7	4665.3	4686.8	4640.8	4659.2	4668.4	4662.3	4637.7	4646.9
5°	4763.6	4751.3	4720.6	4742.1	4714.5	4714.5	4696.0	4671.5	4708.3	4702.2	4717.5
7.5°	4763.6	4748.3	4809.7	4769.8	4782.0	4782.0	4751.3	4726.8	4745.2	4717.5	4702.2
10°	4858.8	4880.3	4852.7	4861.9	4855.8	4877.3	4831.2	4815.8	4800.5	4791.3	4772.8
12.5°	4972.5	4957.1	4966.3	4960.2	4981.7	4926.4	4898.8	4865.0	4892.6	4852.7	4880.3
15°	5064.6	5055.4	5064.6	5089.2	5067.7	5064.6	5015.5	4981.7	4938.7	4947.9	4904.9
17.5°	5190.5	5181.3	5184.4	5205.9	5202.8	5187.5	5150.6	5086.1	5070.7	5046.2	5018.5
20°	5377.9	5362.5	5356.4	5365.6	5381.0	5393.2	5319.5	5295.0	5242.7	5202.8	5156.7
22.5°	5537.6	5531.4	5556.0	5516.1	5549.9	5586.7	5516.1	5503.8	5374.8	5353.3	5304.2
25°	5758.7	5749.5	5734.2	5792.5	5832.4	5829.4	5761.8	5694.2	5595.9	5571.4	5571.4
27.5°	5992.1	5939.9	6019.8	6035.1	6105.8	6127.3	6068.9	5970.6	5878.5	5826.3	5838.6
30°	6283.9	6234.8	6253.2	6363.8	6455.9	6535.8	6388.3	6244.0	6115.0	6022.9	6007.5
32.5°	6575.7	6526.6	6581.8	6689.3	6873.6	6993.4	6849.0	6597.2	6446.7	6311.6	6339.2
35°	6812.2	6849.0	6938.1	7100.9	7291.3	7484.8	7254.5	7061.0	6846.0	6695.5	6717.0
37.5°	7193.0	7306.7	7377.3	7564.7	7834.9	8034.6	7795.0	7543.2	7312.8	7116.2	7048.7
40°	7690.6	7767.4	7847.2	8068.4	8387.8	8587.4	8360.1	8031.5	7804.2	7601.5	7592.3
42.5°	8237.3	8311.0	8393.9	8664.2	8854.6	9005.1	8796.3	8621.2	8369.3	8209.6	8200.4
45°	8873.0	8820.8	8913.0	9091.1	9250.8	9349.1	9214.0	9128.0	8946.8	8799.3	8784.0
47.5°	9296.9	9250.8	9416.7	9576.4	9600.9	9493.5	9521.1	9600.9	9410.5	9167.9	9244.7
50°	9542.6	9542.6	9653.2	9800.6	9754.5	9616.3	9834.4	9840.5	9650.1	9435.1	9435.1
52.5°	9115.7	9210.9	9524.2	10006.4	10159.9	10199.9	10150.7	9941.9	9444.3	9005.1	8983.6
55°	7942.4	7920.9	8344.8	9450.5	10344.2	10817.2	10190.6	9229.3	8218.9	7724.4	7675.2
57.5°	5166.0	5190.5	5823.2	6950.4	8562.8	9444.3	8387.8	7036.4	5823.2	5141.4	5205.9
60°	2325.0	2407.9	2791.8	3633.4	5018.5	5737.2	5030.8	3817.7	2930.0	2543.1	2576.8
62.5°	1336.0	1351.4	1366.7	1621.7	2137.6	2527.7	2220.6	1713.8	1511.1	1443.5	1443.5
65°	1127.2	1118.0	1121.0	1142.5	1197.8	1277.7	1243.9	1197.8	1204.0	1197.8	1188.6
67.5°	958.3	970.5	961.3	976.7	979.8	992.0	1013.5	1032.0	1035.0	1041.2	1035.0
70°	786.3	789.3	795.5	807.8	810.8	820.0	850.8	866.1	875.3	875.3	887.6
72.5°	602.0	598.9	605.1	617.3	632.7	635.8	663.4	684.9	697.2	681.8	684.9
75°	396.2	399.3	408.5	417.7	439.2	460.7	469.9	491.4	494.5	500.6	485.3
77.5°	236.5	242.6	251.8	270.3	288.7	307.1	328.6	344.0	350.1	344.0	325.6
80°	153.6	153.6	165.9	181.2	202.7	218.1	230.3	242.6	251.8	242.6	236.5
82.5°	95.2	95.2	110.6	129.0	144.4	153.6	172.0	187.4	196.6	190.4	181.2
85°	49.1	52.2	64.5	79.9	92.1	98.3	95.2	86.0	76.8	73.7	67.6
87.5°	15.4	15.4	18.4	18.4	15.4	15.4	18.4	15.4	18.4	18.4	18.4
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)