

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: P530927

Luminaire Tested: **GALN-SA6B-722-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530927
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-SA6B-722-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2200K, 800mA 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: 17040 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

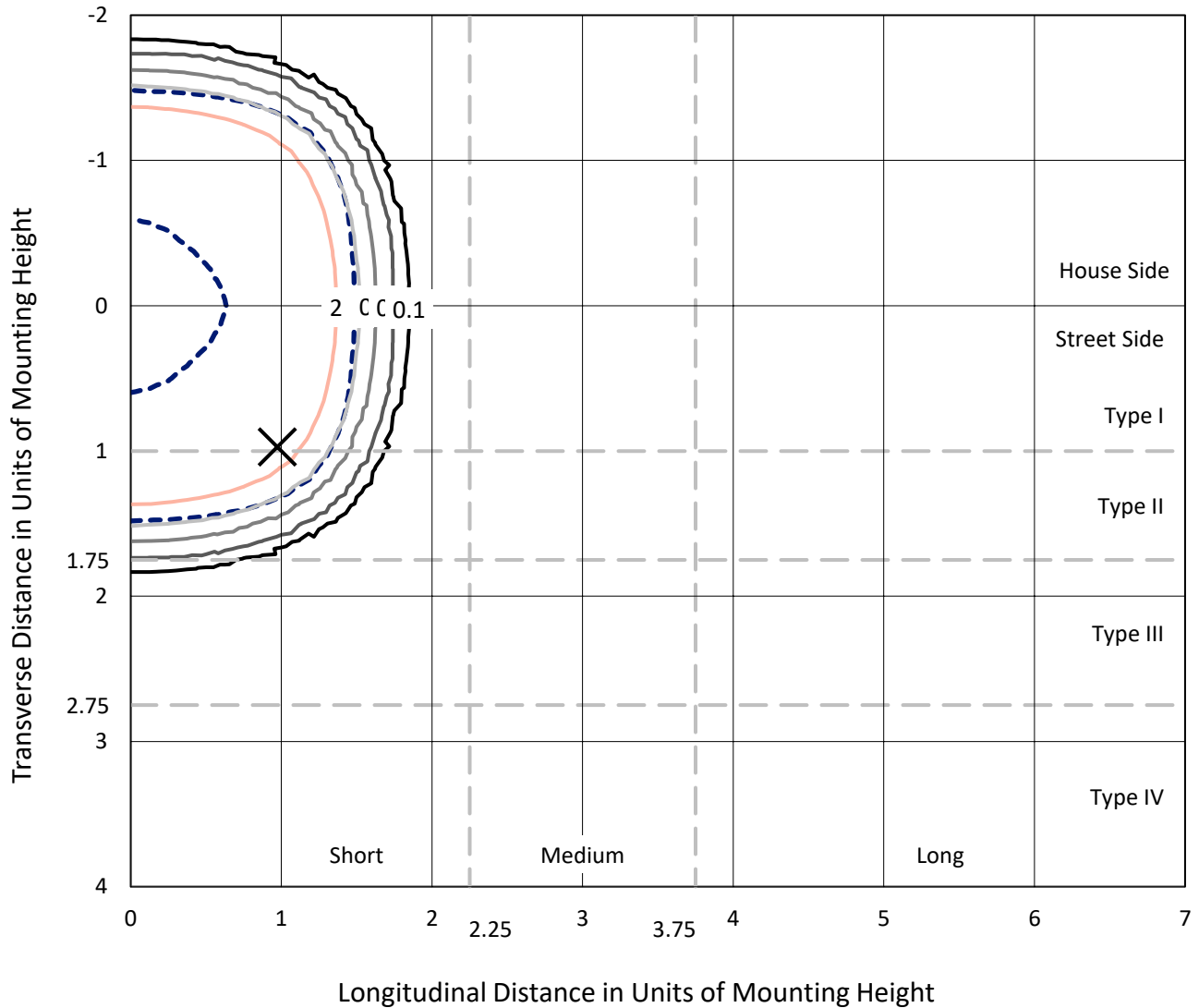
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

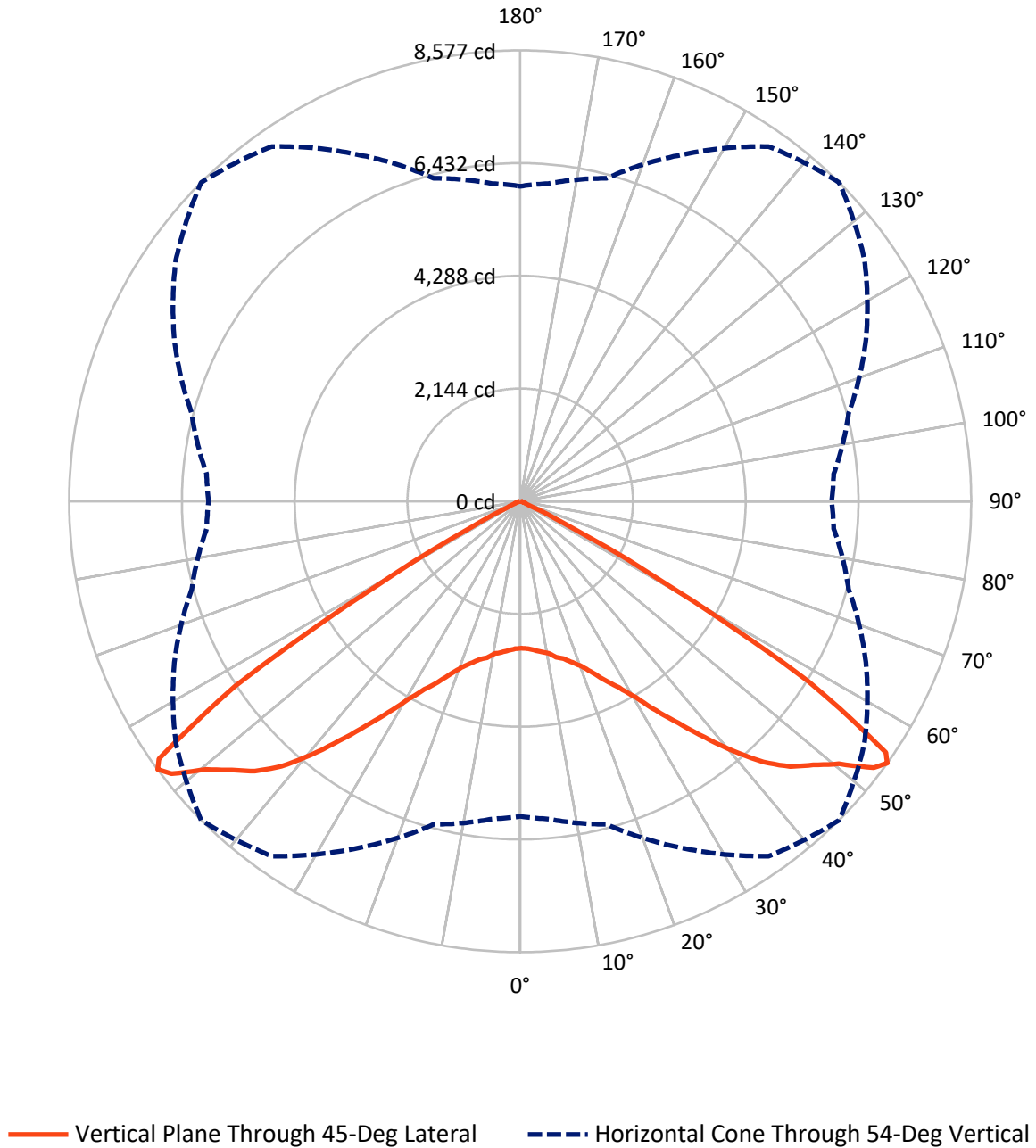
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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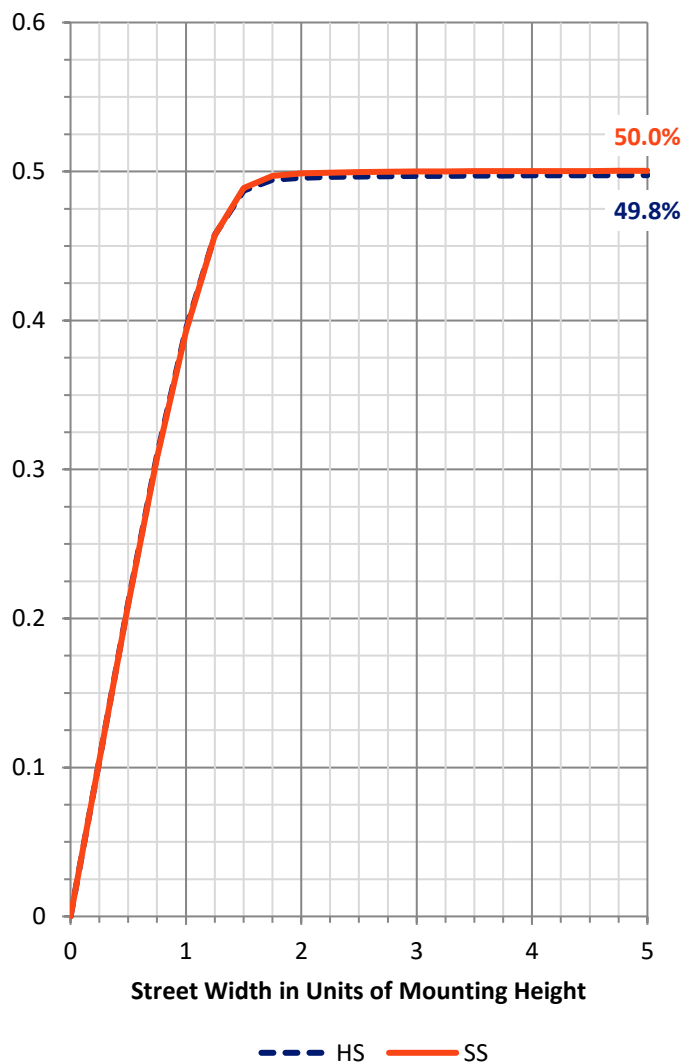
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8520.0	0.0	8520.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8520.0	0.0	8520.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17040.0	0.0	17040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.5	1.6
10°-20°	885.6	5.2
20°-30°	1735.7	10.2
30°-40°	3121.2	18.3
40°-50°	5342.9	31.4
50°-60°	5169.7	30.3
60°-70°	442.6	2.6
70°-80°	52.5	0.3
80°-90°	16.5	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°	17040.0	100.0
0°-180°	17040.0	100.0

Coefficient of Utilization



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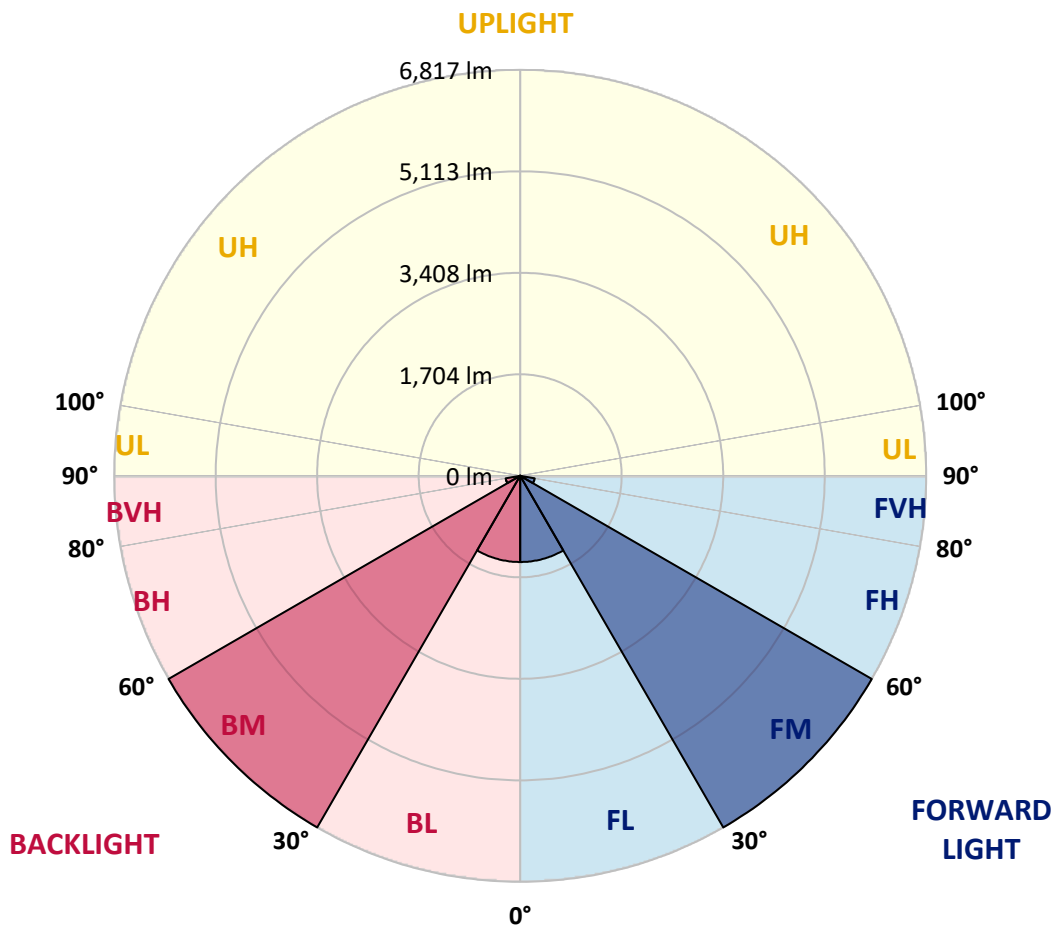
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1447.4	8.5			
FM (30°-60°)	6816.9	40.0			
FH (60°-80°)	247.5	1.5			G0/660
FVH (80°-90°)	8.2	0.0			G0/10
BL (0°-30°)	1447.4	8.5	B3/2500		
BM (30°-60°)	6816.9	40.0	B4/8500		
BH (60°-80°)	247.5	1.5	B1/500		G0/660
BVH (80°-90°)	8.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0
2.5°	2807.5	2823.7	2812.9	2821.0	2821.0	2807.5	2815.6	2783.2	2804.8	2788.6	2791.3
5°	2850.7	2848.0	2848.0	2850.7	2839.9	2845.3	2834.5	2823.7	2815.6	2804.8	2837.2
7.5°	2904.7	2904.7	2885.8	2891.2	2885.8	2893.9	2872.3	2850.7	2842.6	2834.5	2829.1
10°	2956.0	2950.6	2942.5	2966.8	2947.9	2937.1	2926.3	2912.8	2883.1	2872.3	2861.5
12.5°	3031.6	3028.9	3018.1	3042.4	3031.6	3042.4	3001.9	2966.8	2961.4	2926.3	2945.2
15°	3120.7	3145.0	3126.1	3126.1	3120.7	3107.2	3091.0	3074.8	3026.2	3012.7	3015.4
17.5°	3236.8	3228.7	3231.4	3231.4	3258.4	3223.3	3190.9	3150.4	3126.1	3118.0	3091.0
20°	3347.4	3358.2	3355.5	3374.4	3390.6	3352.8	3317.7	3312.3	3244.9	3255.7	3217.9
22.5°	3541.8	3533.7	3547.2	3560.7	3549.9	3544.5	3512.1	3471.6	3412.2	3385.2	3379.8
25°	3747.0	3733.5	3709.2	3741.6	3757.8	3782.1	3720.0	3698.4	3606.6	3566.1	3568.8
27.5°	3922.4	3941.3	3968.3	3981.8	4022.3	4014.2	3971.0	3900.8	3830.7	3784.8	3755.1
30°	4162.7	4173.5	4219.4	4238.3	4308.5	4327.4	4259.9	4178.9	4054.7	3995.3	3960.2
32.5°	4384.1	4459.6	4456.9	4551.4	4664.8	4743.1	4621.6	4497.4	4373.3	4303.1	4241.0
35°	4743.1	4729.6	4807.9	4907.8	5091.3	5180.4	5048.1	4905.1	4716.1	4602.7	4554.1
37.5°	5077.8	5083.2	5188.5	5347.8	5558.4	5696.0	5580.0	5345.1	5150.7	5005.0	4937.5
40°	5563.8	5574.6	5682.5	5863.4	6101.0	6249.4	6114.5	5876.9	5617.8	5504.4	5504.4
42.5°	6133.4	6179.3	6249.4	6406.0	6619.3	6784.0	6662.5	6476.2	6214.4	6068.6	6090.2
45°	6719.2	6740.8	6786.7	7018.8	7118.7	7199.7	7086.3	6999.9	6824.4	6646.3	6616.6
47.5°	7267.2	7275.3	7410.3	7483.1	7561.4	7493.9	7566.8	7453.4	7256.4	7083.6	7048.5
50°	7510.1	7496.6	7688.3	7909.7	7969.1	7850.3	7788.2	7712.6	7413.0	7205.1	7113.3
52.5°	6802.9	6881.1	7237.5	7853.0	8317.3	8417.2	8055.4	7707.2	7148.4	6743.5	6681.4
54°	5993.0	6065.9	6360.1	7272.6	8239.0	8576.5	7993.4	7253.7	6465.4	5984.9	5922.8
55°	5191.2	5110.2	5644.7	6576.1	7871.9	8436.1	7747.7	6667.9	5766.2	5326.2	5239.8
57.5°	2810.2	2823.7	3274.5	4154.6	5531.4	6468.1	5712.2	4510.9	3406.8	2912.8	2869.6
60°	890.8	912.4	1109.5	1679.1	2642.9	3155.8	2704.9	1811.4	1252.6	1004.2	963.7
62.5°	278.1	288.9	315.8	469.7	723.5	1033.9	809.9	485.9	361.7	332.0	337.4
65°	170.1	170.1	172.8	183.6	216.0	251.1	243.0	213.3	205.2	199.8	197.1
67.5°	110.7	108.0	113.4	121.5	126.9	129.6	137.7	145.8	143.1	137.7	137.7
70°	67.5	64.8	70.2	81.0	83.7	89.1	97.2	108.0	105.3	99.9	102.6
72.5°	37.8	37.8	40.5	48.6	56.7	62.1	70.2	78.3	81.0	78.3	78.3
75°	13.5	16.2	21.6	29.7	35.1	43.2	51.3	59.4	67.5	62.1	59.4
77.5°	5.4	5.4	10.8	18.9	27.0	35.1	48.6	56.7	62.1	56.7	51.3
80°	2.7	2.7	8.1	16.2	24.3	32.4	40.5	48.6	51.3	45.9	40.5
82.5°	2.7	2.7	8.1	16.2	24.3	29.7	43.2	48.6	54.0	48.6	40.5
85°	0.0	2.7	8.1	16.2	21.6	24.3	24.3	16.2	13.5	8.1	8.1
87.5°	0.0	0.0	2.7	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)