

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: P530719

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530719
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-SA6A-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 15580 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

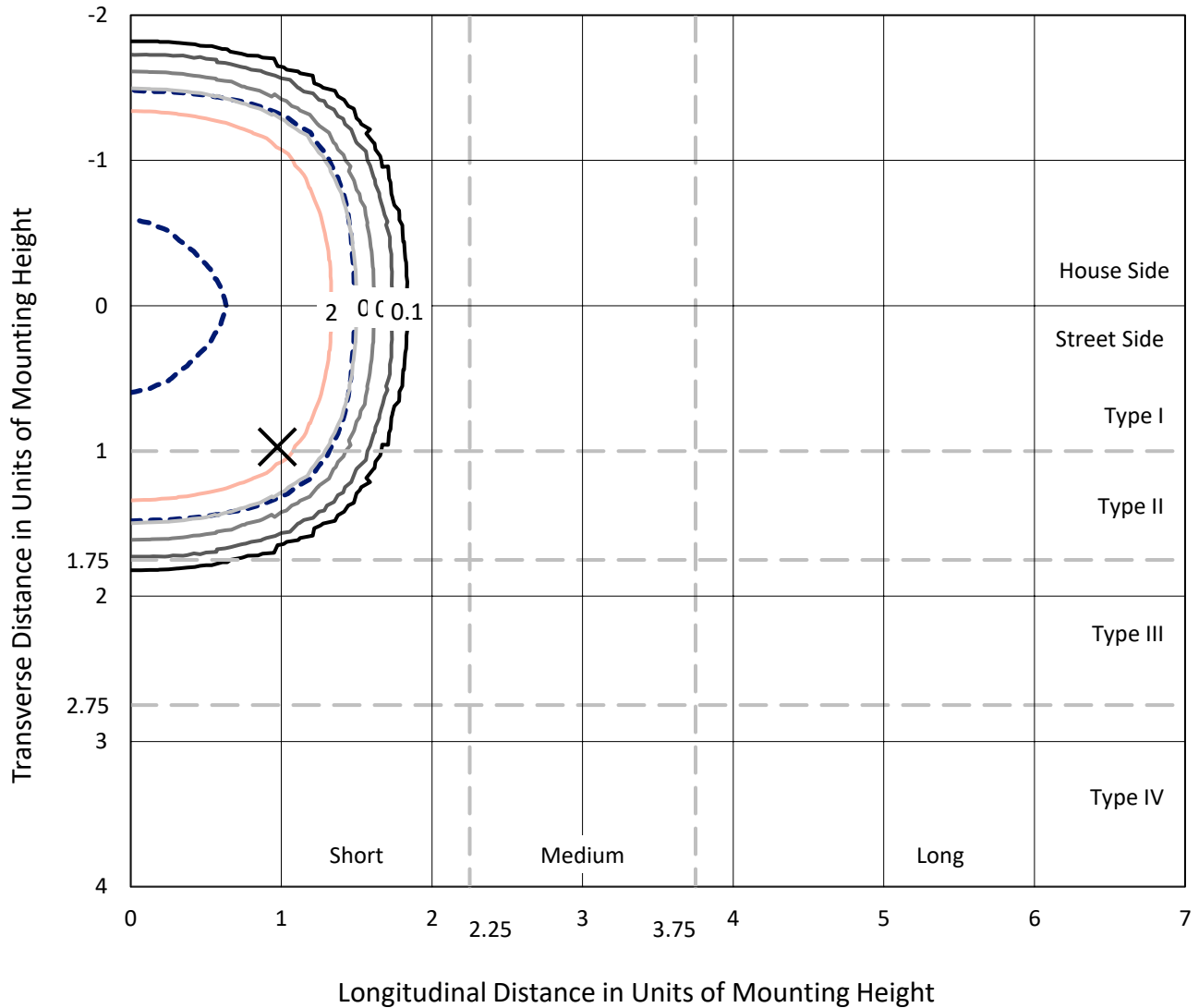
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

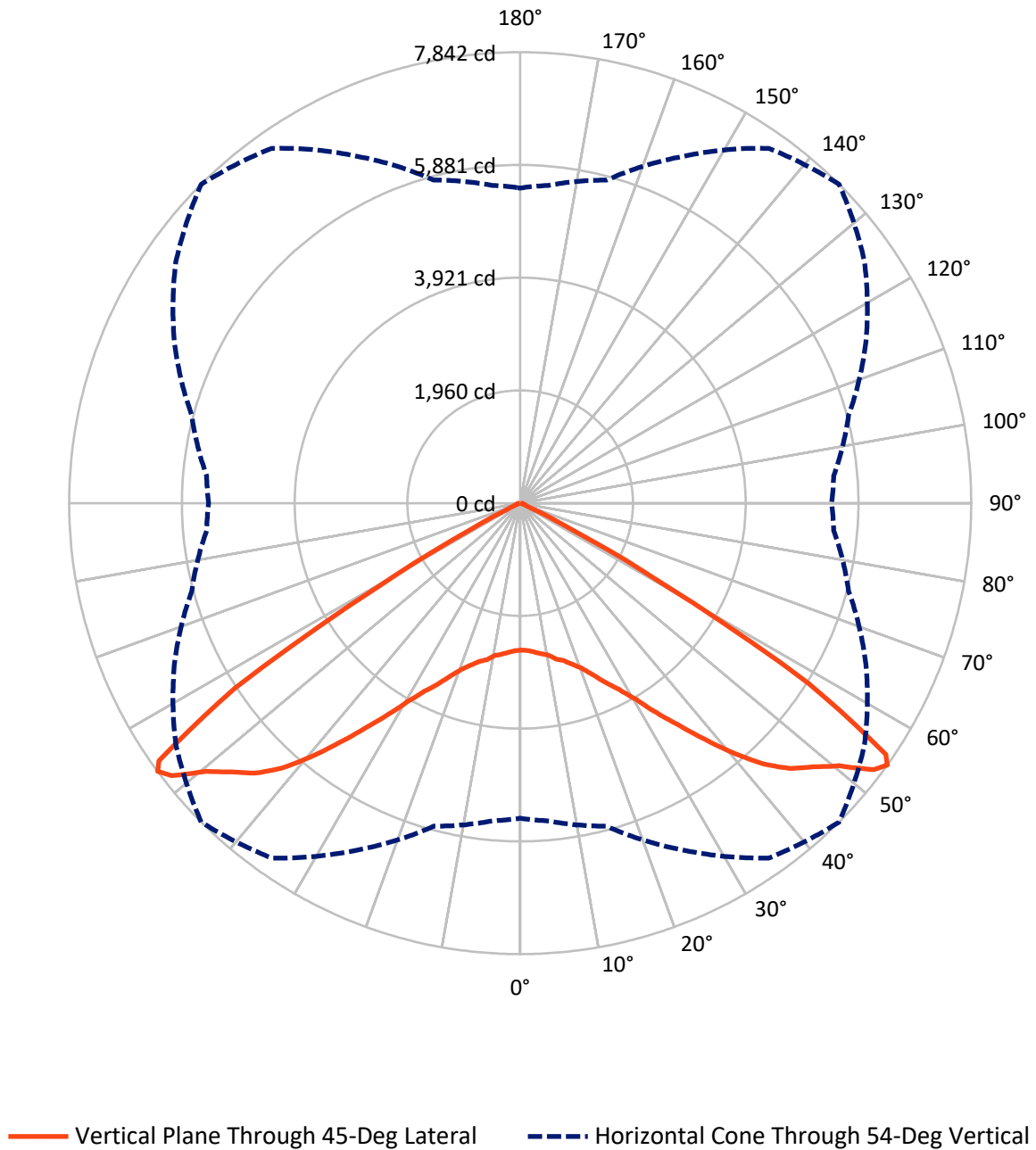
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	7790.0	0.0	7790.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7790.0	0.0	7790.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15580.0	0.0	15580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	1.6
10°-20°	809.7	5.2
20°-30°	1587.0	10.2
30°-40°	2853.8	18.3
40°-50°	4885.1	31.4
50°-60°	4726.8	30.3
60°-70°	404.6	2.6
70°-80°	48.0	0.3
80°-90°	15.0	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°	15580.0	100.0
0°-180°	15580.0	100.0

Coefficient of Utilization



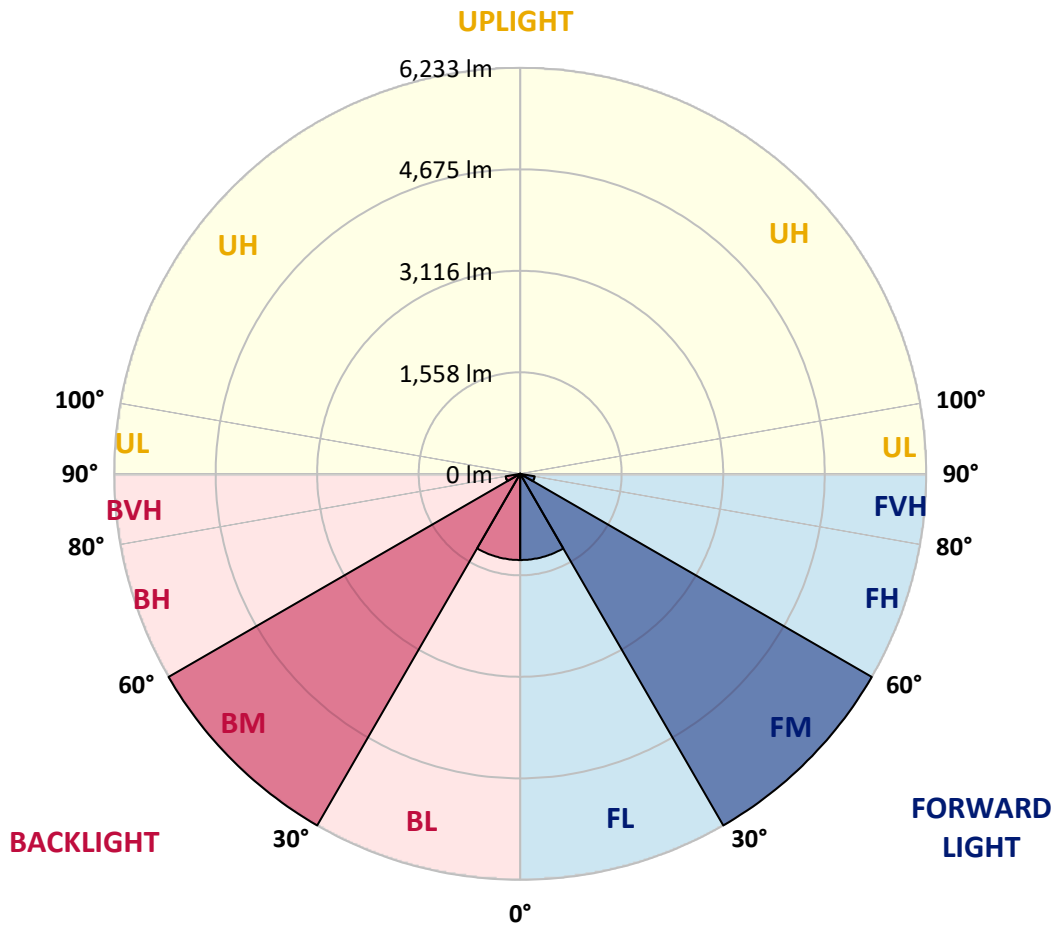
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.4	8.5			
FM (30°-60°)	6232.8	40.0			
FH (60°-80°)	226.3	1.5			G0/660
FVH (80°-90°)	7.5	0.0			G0/10
BL (0°-30°)	1323.4	8.5	B3/2500		
BM (30°-60°)	6232.8	40.0	B4/8500		
BH (60°-80°)	226.3	1.5	B1/500		G0/660
BVH (80°-90°)	7.5	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°	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6	2554.6
2.5°	2567.0	2581.8	2571.9	2579.3	2579.3	2567.0	2574.4	2544.8	2564.5	2549.7	2552.2
5°	2606.5	2604.0	2604.0	2606.5	2596.6	2601.5	2591.7	2581.8	2574.4	2564.5	2594.1
7.5°	2655.8	2655.8	2638.6	2643.5	2638.6	2646.0	2626.2	2606.5	2599.1	2591.7	2586.7
10°	2702.7	2697.8	2690.4	2712.6	2695.3	2685.5	2675.6	2663.2	2636.1	2626.2	2616.3
12.5°	2771.8	2769.4	2759.5	2781.7	2771.8	2781.7	2744.7	2712.6	2707.7	2675.6	2692.9
15°	2853.3	2875.5	2858.2	2858.2	2853.3	2841.0	2826.1	2811.3	2766.9	2754.6	2757.0
17.5°	2959.4	2952.0	2954.5	2954.5	2979.2	2947.1	2917.5	2880.4	2858.2	2850.8	2826.1
20°	3060.6	3070.5	3068.0	3085.3	3100.1	3065.6	3033.5	3028.5	2966.8	2976.7	2942.1
22.5°	3238.3	3230.9	3243.3	3255.6	3245.7	3240.8	3211.2	3174.2	3119.9	3095.2	3090.2
25°	3425.9	3413.6	3391.4	3421.0	3435.8	3458.0	3401.2	3381.5	3297.6	3260.6	3263.0
27.5°	3586.4	3603.6	3628.3	3640.7	3677.7	3670.3	3630.8	3566.6	3502.4	3460.5	3433.3
30°	3806.0	3815.9	3857.9	3875.1	3939.3	3956.6	3894.9	3820.8	3707.3	3653.0	3620.9
32.5°	4008.4	4077.5	4075.1	4161.5	4265.1	4336.7	4225.6	4112.1	3998.6	3934.4	3877.6
35°	4336.7	4324.4	4395.9	4487.3	4655.1	4736.6	4615.6	4484.8	4312.0	4208.4	4163.9
37.5°	4642.8	4647.7	4744.0	4889.6	5082.1	5208.0	5101.9	4887.1	4709.4	4576.1	4514.4
40°	5087.1	5096.9	5195.7	5361.0	5578.2	5714.0	5590.6	5373.4	5136.4	5032.8	5032.8
42.5°	5607.9	5649.8	5714.0	5857.1	6052.1	6202.7	6091.6	5921.3	5681.9	5548.6	5568.4
45°	6143.5	6163.2	6205.2	6417.4	6508.8	6582.8	6479.1	6400.2	6239.7	6076.8	6049.7
47.5°	6644.5	6651.9	6775.3	6842.0	6913.6	6851.9	6918.5	6814.8	6634.6	6476.7	6444.6
50°	6866.7	6854.3	7029.6	7232.0	7286.3	7177.7	7120.9	7051.8	6777.8	6587.7	6503.8
52.5°	6220.0	6291.6	6617.4	7180.1	7604.7	7696.0	7365.2	7046.8	6535.9	6165.7	6108.9
54°	5479.5	5546.1	5815.2	6649.5	7533.1	7841.6	7308.5	6632.2	5911.4	5472.1	5415.3
55°	4746.4	4672.4	5161.1	6012.6	7197.4	7713.3	7083.9	6096.6	5272.2	4869.8	4790.9
57.5°	2569.4	2581.8	2994.0	3798.6	5057.4	5913.9	5222.8	4124.4	3114.9	2663.2	2623.7
60°	814.5	834.3	1014.4	1535.2	2416.4	2885.4	2473.2	1656.2	1145.3	918.2	881.2
62.5°	254.2	264.1	288.8	429.5	661.5	945.3	740.5	444.3	330.7	303.6	308.5
65°	155.5	155.5	158.0	167.8	197.5	229.5	222.1	195.0	187.6	182.7	180.2
67.5°	101.2	98.7	103.7	111.1	116.0	118.5	125.9	133.3	130.8	125.9	125.9
70°	61.7	59.2	64.2	74.0	76.5	81.5	88.9	98.7	96.3	91.3	93.8
72.5°	34.6	34.6	37.0	44.4	51.8	56.8	64.2	71.6	74.0	71.6	71.6
75°	12.3	14.8	19.7	27.2	32.1	39.5	46.9	54.3	61.7	56.8	54.3
77.5°	4.9	4.9	9.9	17.3	24.7	32.1	44.4	51.8	56.8	51.8	46.9
80°	2.5	2.5	7.4	14.8	22.2	29.6	37.0	44.4	46.9	42.0	37.0
82.5°	2.5	2.5	7.4	14.8	22.2	27.2	39.5	44.4	49.4	44.4	37.0
85°	0.0	2.5	7.4	14.8	19.7	22.2	22.2	14.8	12.3	7.4	7.4
87.5°	0.0	0.0	2.5	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)