

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: P530951

Luminaire Tested: **GALN-SA6B-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16936 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

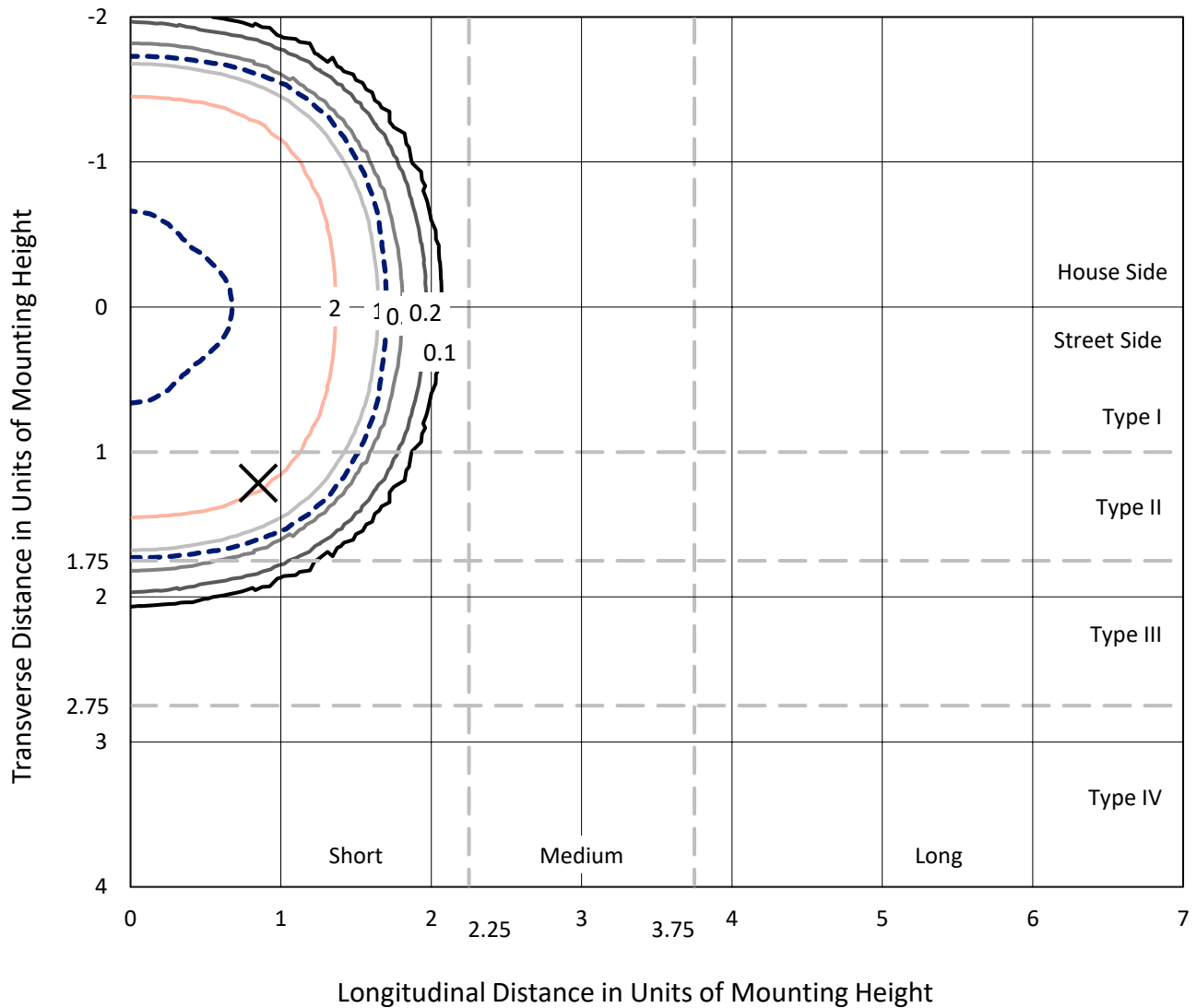
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

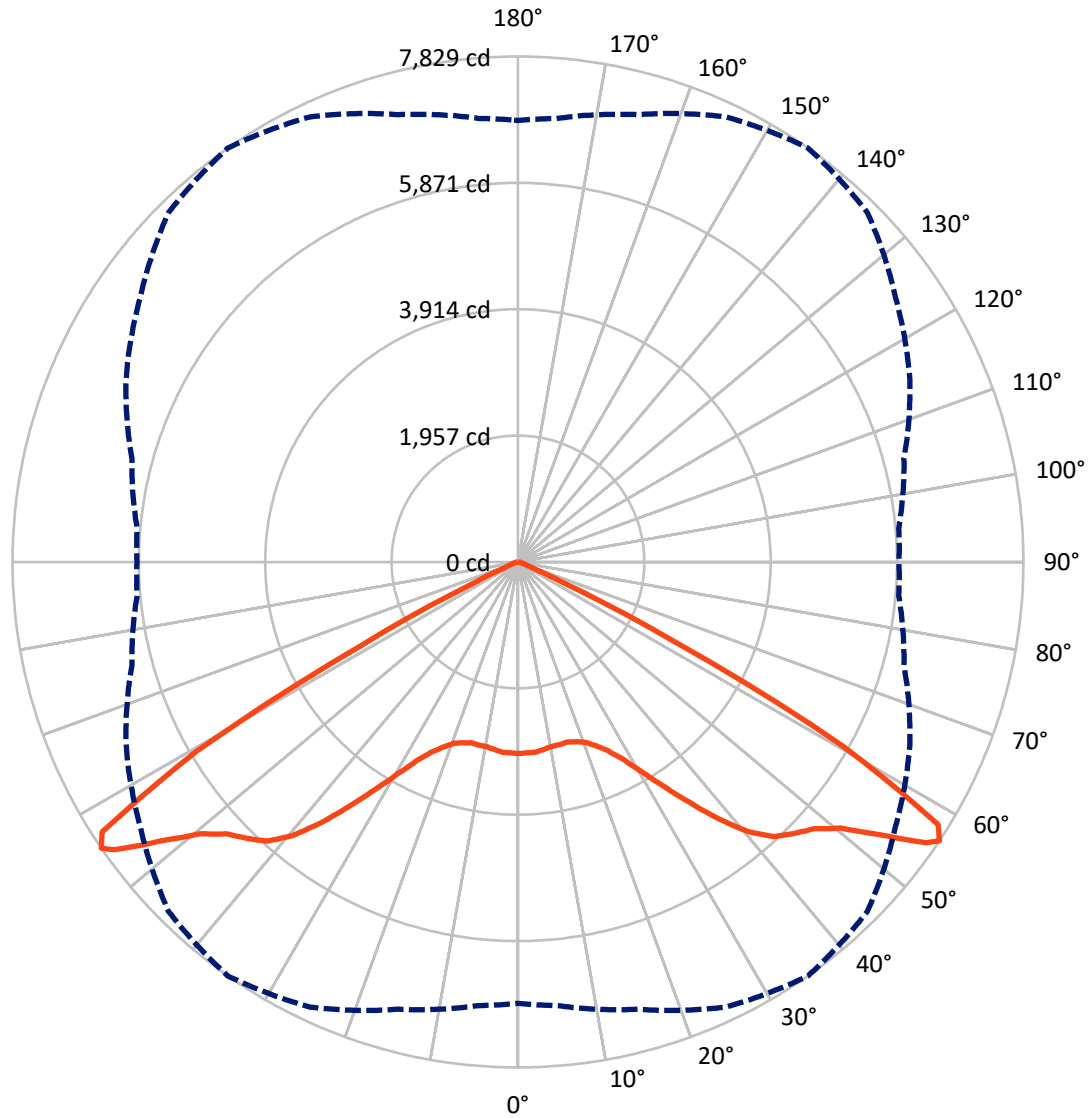
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8468.0	0.0	8468.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8468.0	0.0	8468.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16936.0	0.0	16936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	1.6
10°-20°	814.3	4.8
20°-30°	1474.5	8.7
30°-40°	2734.3	16.1
40°-50°	4488.2	26.5
50°-60°	5782.1	34.1
60°-70°	1274.3	7.5
70°-80°	73.9	0.4
80°-90°	15.6	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°	16936.0	100.0
0°-180°	16936.0	100.0

Coefficient of Utilization

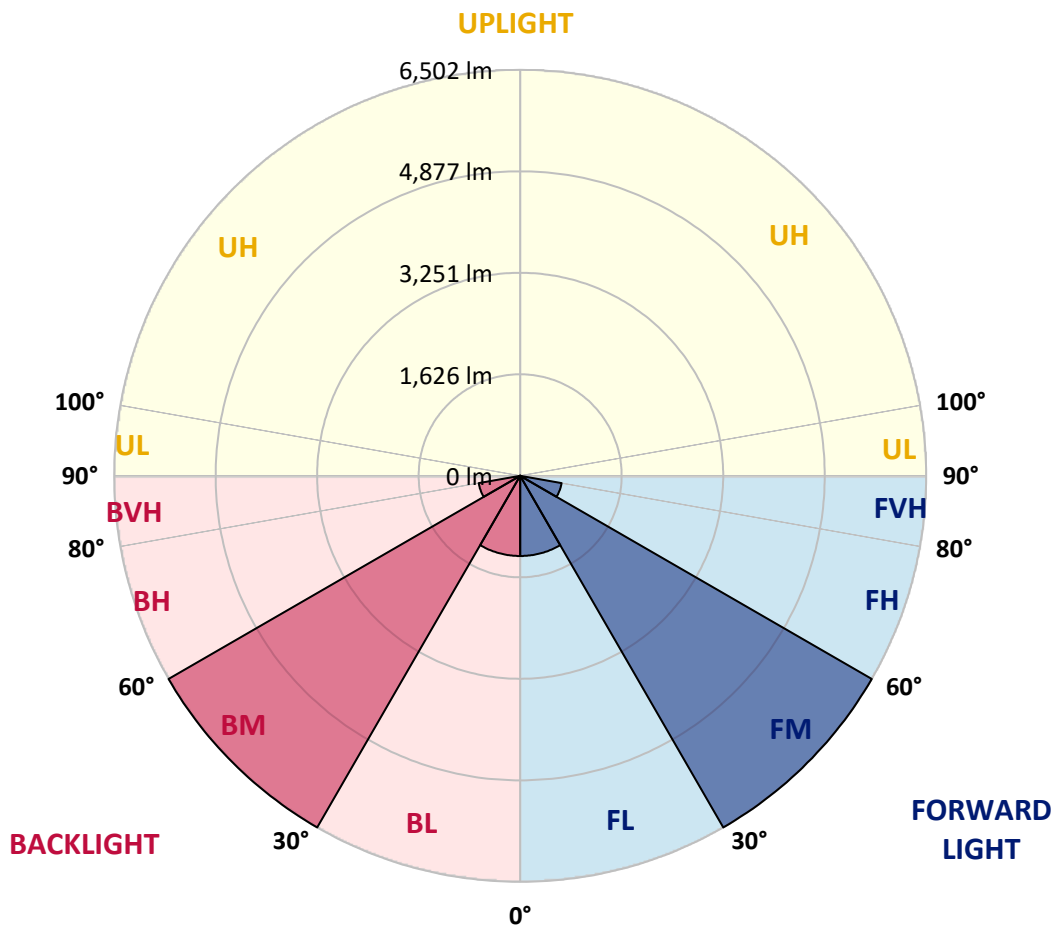


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1283.8	7.6			
FM (30°-60°)	6502.3	38.4			
FH (60°-80°)	674.1	4.0			G1/1800
FVH (80°-90°)	7.8	0.0			G0/10
BL (0°-30°)	1283.8	7.6	B3/2500		
BM (30°-60°)	6502.3	38.4	B4/8500		
BH (60°-80°)	674.1	4.0	B2/1000		G1/1800
BVH (80°-90°)	7.8	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6	2967.6
2.5°	2973.7	2973.7	2976.8	2979.8	2958.3	2949.1	2952.2	2946.1	2943.0	2952.2	2952.2
5°	2964.5	2964.5	2955.3	2958.3	2958.3	2930.7	2930.7	2936.9	2936.9	2918.5	2912.3
7.5°	2939.9	2933.8	2921.5	2936.9	2927.7	2927.7	2906.2	2890.8	2884.7	2897.0	2884.7
10°	2887.8	2890.8	2903.1	2909.2	2903.1	2921.5	2884.7	2863.2	2841.7	2832.5	2832.5
12.5°	2863.2	2881.6	2863.2	2878.6	2900.0	2884.7	2863.2	2847.9	2817.2	2804.9	2804.9
15°	2860.1	2872.4	2878.6	2900.0	2890.8	2897.0	2854.0	2835.6	2789.6	2768.1	2758.9
17.5°	2857.1	2872.4	2881.6	2921.5	2927.7	2930.7	2897.0	2841.7	2801.8	2780.4	2758.9
20°	2890.8	2897.0	2915.4	2955.3	2979.8	3022.8	2961.4	2903.1	2817.2	2792.6	2783.4
22.5°	2933.8	2964.5	2982.9	3025.9	3090.3	3127.1	3047.3	2973.7	2884.7	2854.0	2817.2
25°	3071.9	3065.8	3096.4	3185.4	3237.6	3265.2	3200.8	3093.4	2976.8	2939.9	2946.1
27.5°	3243.7	3249.9	3277.5	3375.7	3452.4	3495.4	3418.7	3277.5	3164.0	3102.6	3096.4
30°	3467.8	3461.6	3492.3	3624.3	3762.4	3826.8	3691.8	3526.1	3415.6	3335.8	3354.2
32.5°	3704.1	3707.1	3793.1	3912.7	4136.8	4262.6	4044.7	3842.2	3676.4	3621.2	3593.6
35°	4053.9	4069.3	4136.8	4320.9	4569.5	4732.1	4492.8	4250.3	4060.1	3958.8	3971.1
37.5°	4486.6	4471.3	4584.8	4784.3	5045.1	5164.8	4962.3	4686.1	4492.8	4425.2	4468.2
40°	4946.9	4962.3	5020.6	5201.7	5493.2	5573.0	5272.2	5121.9	4953.1	4919.3	4971.5
42.5°	5407.3	5398.1	5441.0	5603.7	5815.4	5760.2	5582.2	5493.2	5373.5	5306.0	5376.6
45°	5744.8	5729.5	5809.3	5919.8	5996.5	5892.1	5812.3	5781.7	5720.3	5646.6	5711.1
47.5°	6073.2	6060.9	6137.6	6168.3	6174.5	6036.4	6051.7	6107.0	5953.5	5800.1	5873.7
50°	6352.5	6331.0	6426.1	6493.6	6478.3	6257.3	6312.6	6257.3	6018.0	5836.9	5809.3
52.5°	6818.9	6828.1	6929.4	7052.2	7015.3	6831.2	6751.4	6499.8	6192.9	6030.2	5935.1
55°	7113.5	7067.5	7242.4	7632.2	7675.1	7484.9	7131.9	6760.6	6300.3	6100.8	6076.3
56°	6837.3	6895.6	7171.8	7607.6	7828.6	7653.6	7141.2	6696.2	6189.8	5919.8	5901.3
57.5°	6134.6	6103.9	6478.3	7073.6	7675.1	7601.5	6889.5	6235.8	5646.6	5342.8	5306.0
60°	3817.6	3906.6	4235.0	4971.5	5775.5	5812.3	5106.5	4544.9	3857.5	3587.5	3651.9
62.5°	1494.5	1417.8	1623.4	2172.7	2725.1	2847.9	2580.9	2145.1	1761.5	1494.5	1476.1
65°	346.8	337.6	380.5	524.8	733.4	850.1	807.1	580.0	426.6	405.1	374.4
67.5°	196.4	196.4	187.2	187.2	205.6	217.9	208.7	205.6	214.8	224.0	221.0
70°	138.1	135.0	128.9	132.0	125.8	125.8	135.0	150.4	162.6	162.6	165.7
72.5°	82.9	82.9	82.9	92.1	92.1	92.1	101.3	113.5	116.6	113.5	110.5
75°	36.8	36.8	43.0	52.2	58.3	61.4	70.6	76.7	82.9	76.7	70.6
77.5°	9.2	9.2	15.3	21.5	27.6	33.8	46.0	55.2	58.3	55.2	46.0
80°	3.1	3.1	6.1	15.3	27.6	33.8	46.0	49.1	52.2	46.0	36.8
82.5°	3.1	3.1	6.1	15.3	21.5	27.6	36.8	43.0	46.0	39.9	36.8
85°	0.0	3.1	6.1	12.3	18.4	24.6	24.6	18.4	15.3	9.2	12.3
87.5°	0.0	0.0	3.1	3.1	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)