

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: P533763

Luminaire Tested: **GALN-SA9B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22503 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

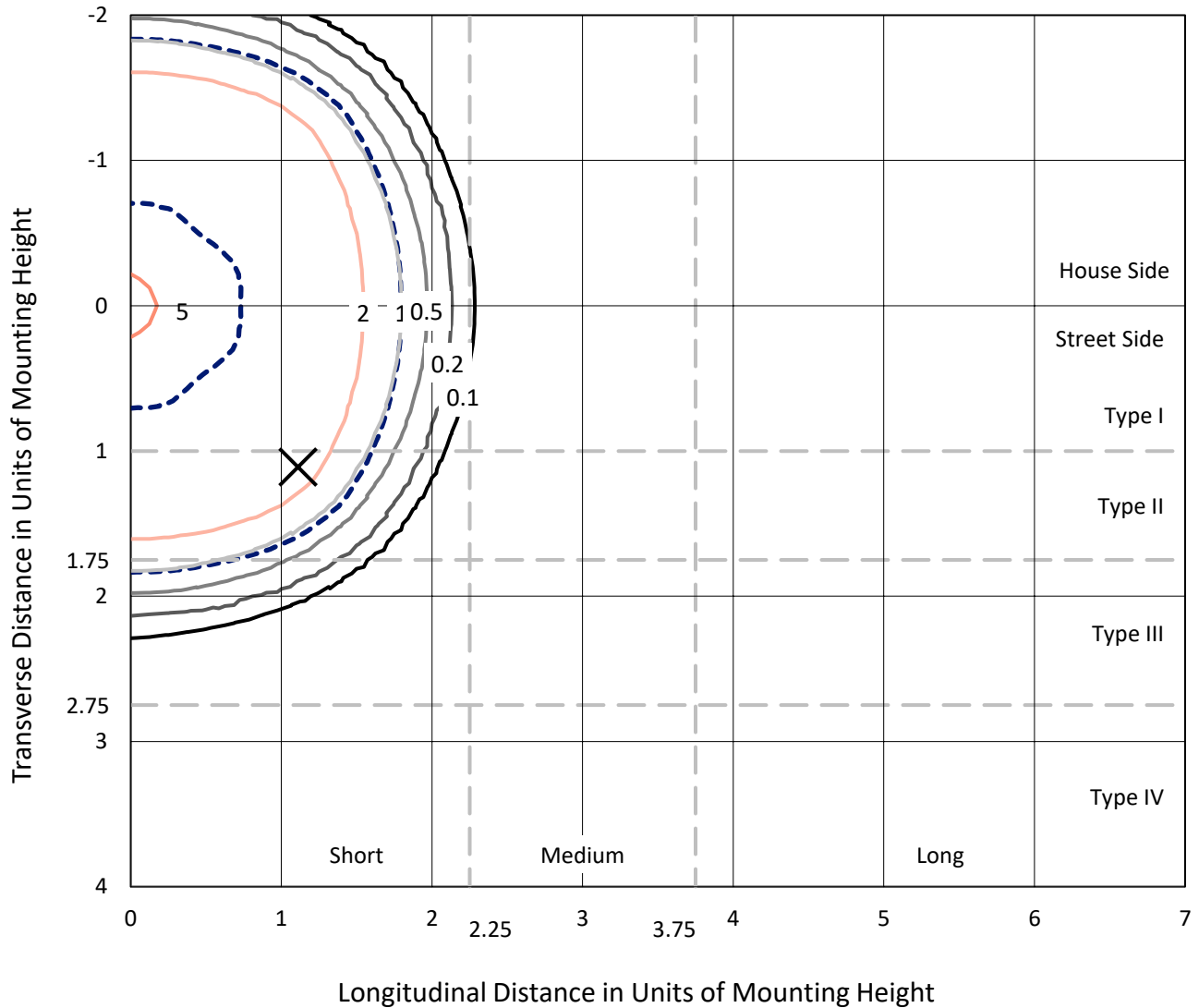
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

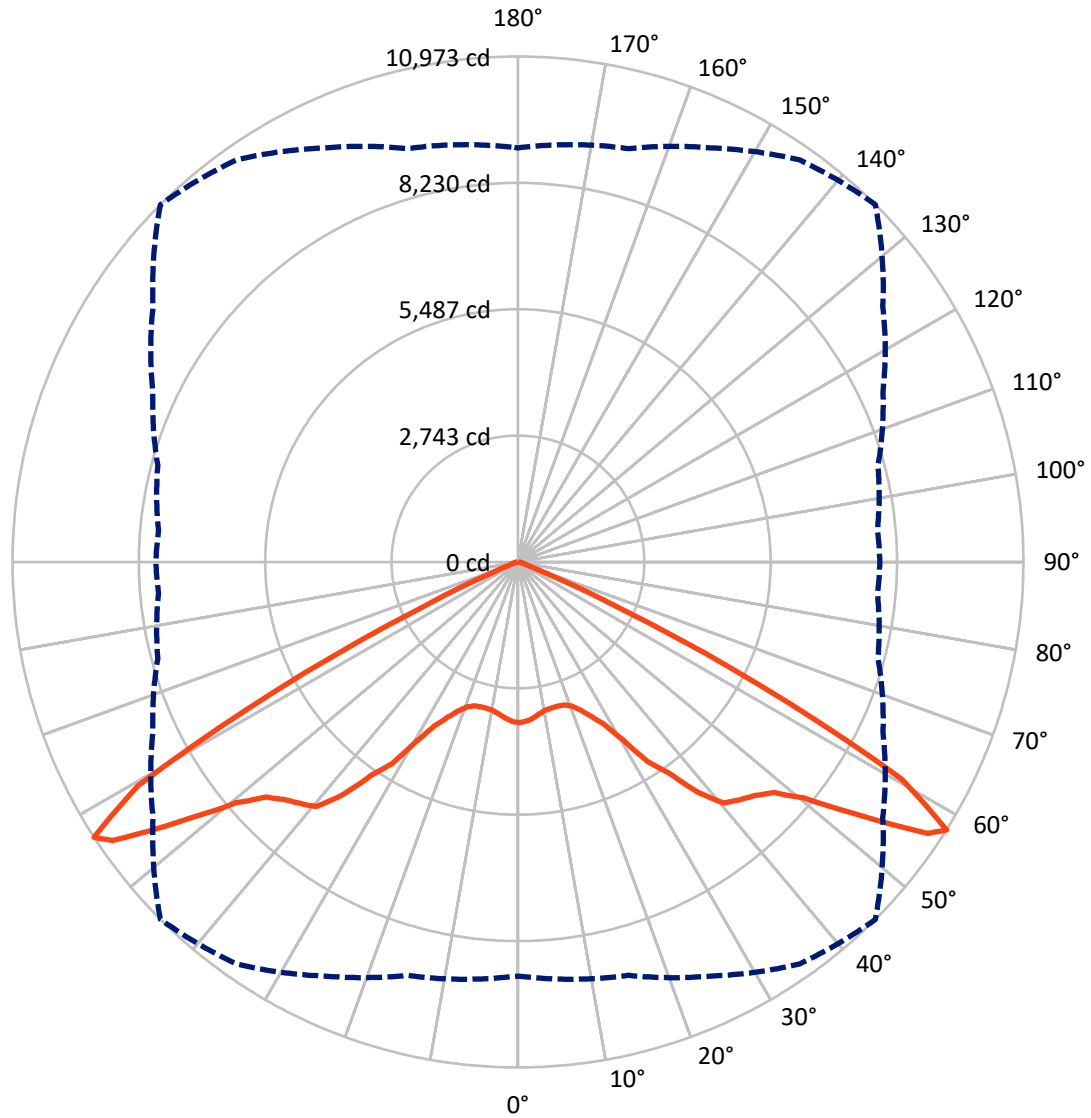
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11251.5	0.0	11251.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11251.5	0.0	11251.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22503.0	0.0	22503.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	1.4
10°-20°	927.1	4.1
20°-30°	1711.4	7.6
30°-40°	3365.6	15.0
40°-50°	5481.6	24.4
50°-60°	7817.5	34.7
60°-70°	2706.6	12.0
70°-80°	145.2	0.6
80°-90°	27.3	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°	22503.0	100.0
0°-180°	22503.0	100.0



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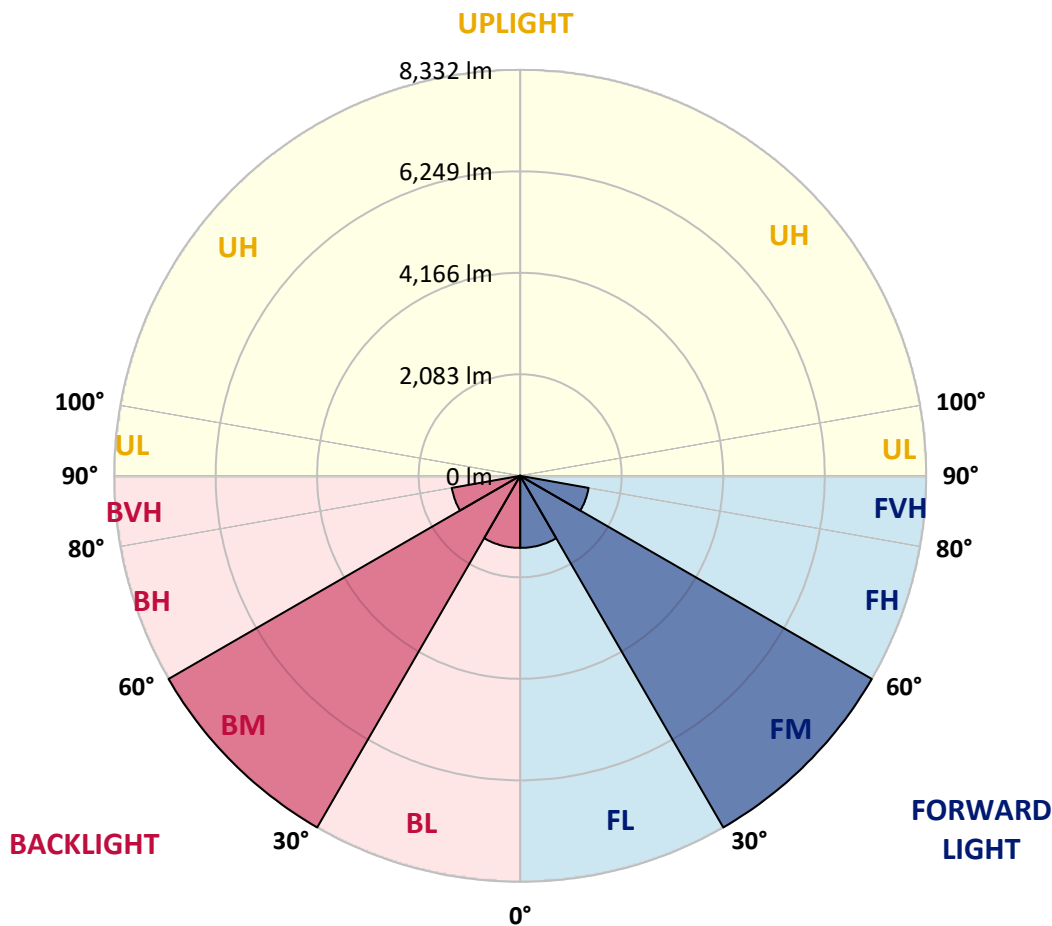
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.6	6.6			
FM (30°-60°)	8332.3	37.0			
FH (60°-80°)	1425.9	6.3			G1/1800
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	1479.6	6.6	B3/2500		
BM (30°-60°)	8332.3	37.0	B4/8500		
BH (60°-80°)	1425.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.6	0.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5	3490.5
2.5°	3481.1	3499.8	3476.4	3467.0	3462.3	3462.3	3448.2	3448.2	3443.5	3448.2	3429.5
5°	3424.8	3443.5	3443.5	3438.8	3410.7	3406.0	3391.9	3382.5	3387.2	3368.5	3382.5
7.5°	3368.5	3382.5	3363.8	3359.1	3349.7	3330.9	3326.2	3284.0	3288.7	3288.7	3298.1
10°	3359.1	3354.4	3326.2	3302.8	3274.6	3270.0	3255.9	3246.5	3246.5	3241.8	3255.9
12.5°	3359.1	3335.6	3330.9	3279.3	3232.4	3251.2	3213.7	3190.2	3223.0	3232.4	3251.2
15°	3354.4	3377.9	3298.1	3274.6	3241.8	3246.5	3213.7	3190.2	3209.0	3218.3	3232.4
17.5°	3382.5	3368.5	3345.0	3298.1	3284.0	3265.3	3223.0	3204.3	3204.3	3227.7	3232.4
20°	3457.6	3420.1	3373.2	3349.7	3363.8	3340.3	3288.7	3218.3	3237.1	3255.9	3270.0
22.5°	3528.0	3499.8	3467.0	3452.9	3532.7	3495.1	3406.0	3326.2	3298.1	3330.9	3354.4
25°	3664.0	3664.0	3603.0	3621.8	3710.9	3715.6	3612.4	3471.7	3452.9	3467.0	3476.4
27.5°	3940.8	3954.9	3903.3	3922.1	3959.6	3992.4	3903.3	3786.0	3743.8	3739.1	3753.2
30°	4241.1	4269.2	4264.5	4344.3	4452.2	4471.0	4339.6	4147.3	4020.6	3997.1	4015.9
32.5°	4635.2	4649.2	4639.9	4733.7	5024.6	5160.6	4818.1	4546.0	4377.1	4419.4	4377.1
35°	5376.4	5362.3	5259.1	5277.9	5517.2	5615.7	5287.3	5113.7	5033.9	5118.4	5099.6
37.5°	6014.5	5962.9	5878.4	6000.4	6249.0	6338.2	5995.7	5690.7	5545.3	5686.1	5747.0
40°	6554.0	6422.6	6305.3	6427.3	6760.4	6882.4	6380.4	6131.7	6075.4	6178.7	6310.0
42.5°	7009.1	6924.6	6769.8	6779.2	6999.7	7056.0	6652.5	6507.1	6450.8	6615.0	6680.6
45°	7332.8	7253.0	7107.6	7098.2	7267.1	7229.5	6868.3	6769.8	6802.6	6910.5	6943.4
47.5°	7497.0	7539.2	7454.7	7478.2	7567.3	7478.2	7192.0	7192.0	7117.0	7182.6	7149.8
50°	7970.8	7839.4	7947.3	7947.3	8041.2	8050.6	7764.4	7661.2	7459.4	7346.8	7346.8
52.5°	8524.4	8533.8	8576.0	8730.8	8890.3	9026.4	8618.2	8177.2	7839.4	7694.0	7675.2
55°	8979.5	9073.3	9242.2	9533.1	9992.8	10180.5	9476.8	8688.6	8275.7	8050.6	8003.6
56°	9228.1	9139.0	9429.8	9828.6	10429.1	10673.1	9617.5	8791.8	8336.7	8083.4	8078.7
57.5°	8988.8	9087.4	9289.1	9917.8	10654.3	10973.3	9669.1	8744.9	8092.8	7834.7	7858.2
60°	7098.2	7192.0	7464.1	8167.8	9321.9	9570.6	8181.9	7210.8	6629.0	6258.4	6263.1
62.5°	4015.9	4086.3	4297.4	4949.5	5667.3	5906.6	5099.6	4452.2	4048.7	3842.3	3776.6
65°	1477.8	1449.7	1482.5	1815.6	2256.6	2458.3	2120.5	1792.1	1581.0	1506.0	1477.8
67.5°	553.6	511.4	478.5	511.4	642.7	680.3	624.0	520.8	487.9	502.0	511.4
70°	342.5	323.7	258.0	244.0	239.3	234.6	248.6	262.7	300.3	351.9	361.2
72.5°	239.3	225.2	183.0	173.6	164.2	159.5	183.0	201.7	234.6	272.1	276.8
75°	93.8	98.5	93.8	103.2	107.9	112.6	131.4	145.4	159.5	159.5	154.8
77.5°	18.8	18.8	28.1	37.5	46.9	61.0	89.1	103.2	107.9	103.2	89.1
80°	0.0	0.0	9.4	18.8	37.5	51.6	79.8	89.1	98.5	89.1	70.4
82.5°	0.0	0.0	9.4	23.5	37.5	46.9	75.1	93.8	107.9	98.5	75.1
85°	0.0	0.0	9.4	18.8	28.1	32.8	32.8	23.5	23.5	14.1	9.4
87.5°	0.0	0.0	0.0	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)