

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: P532051

Luminaire Tested: **GALN-SA7B-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18829 lumens
Efficiency: N/A
Efficacy: 65.8 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

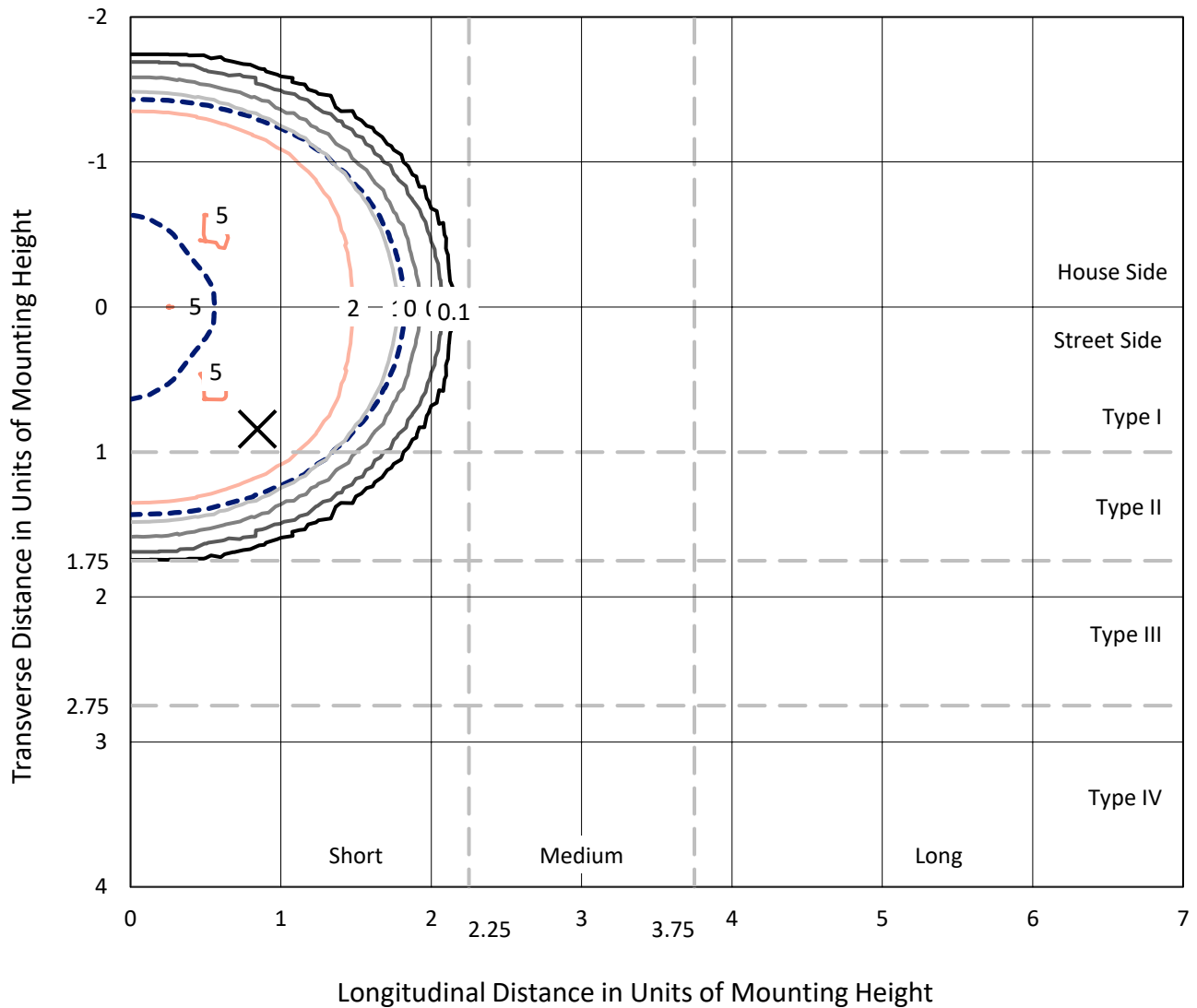
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

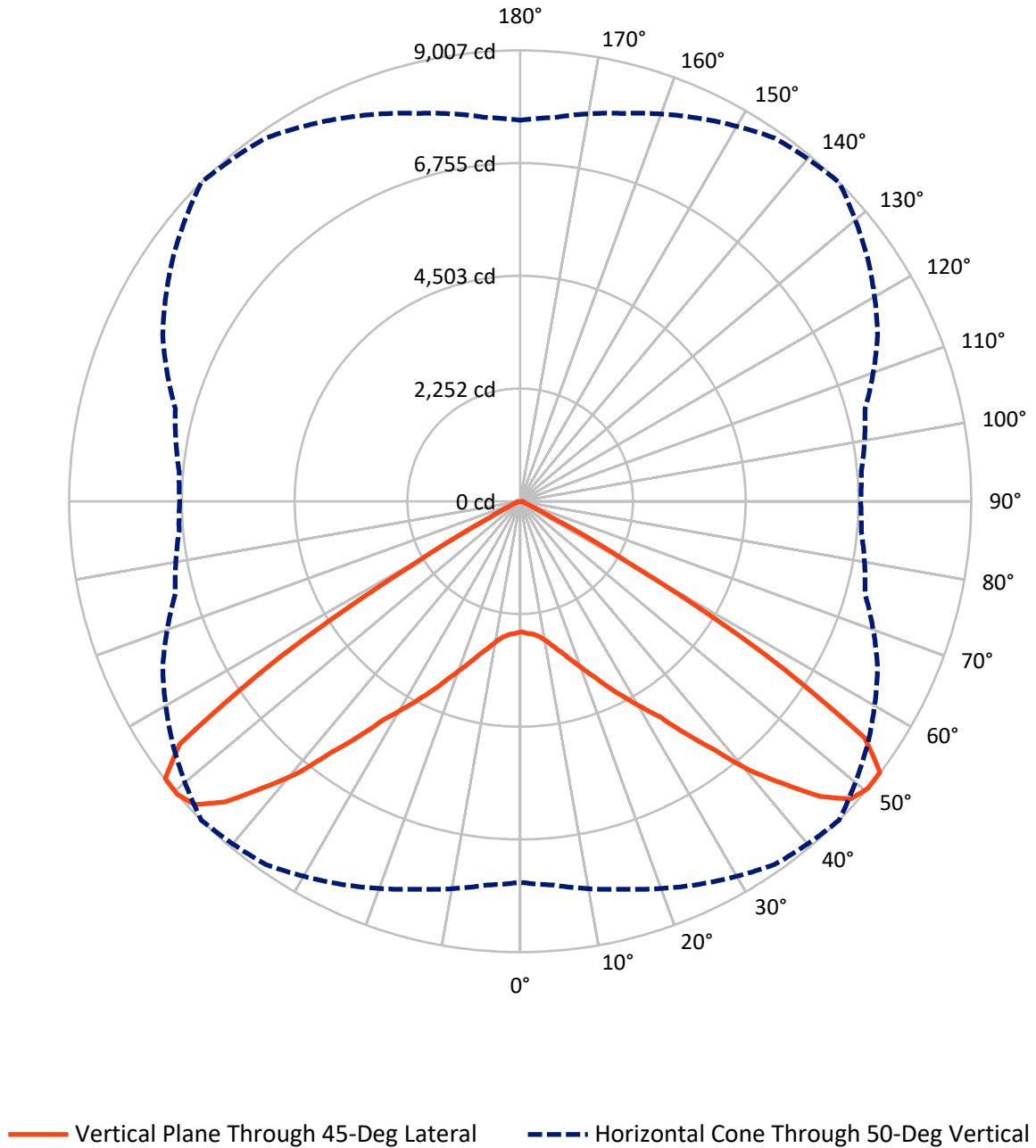
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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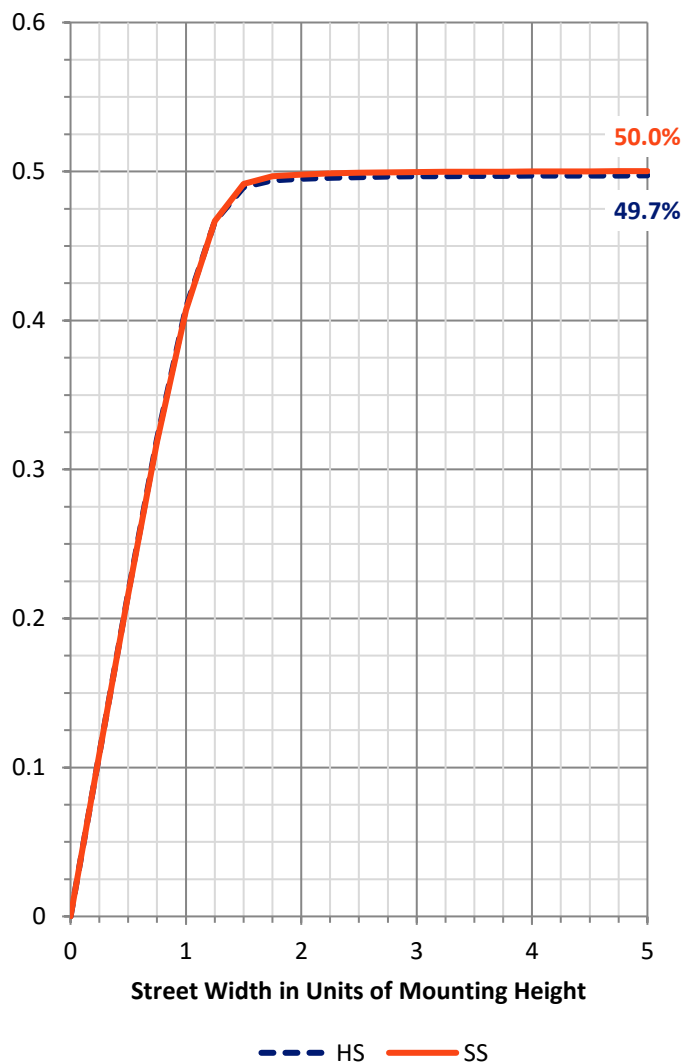
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9414.5	0.0	9414.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9414.5	0.0	9414.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18829.0	0.0	18829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	1.4
10°-20°	895.1	4.8
20°-30°	1828.1	9.7
30°-40°	3486.2	18.5
40°-50°	5874.7	31.2
50°-60°	5602.6	29.8
60°-70°	782.1	4.2
70°-80°	74.8	0.4
80°-90°	25.9	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°	18829.0	100.0
0°-180°	18829.0	100.0

Coefficient of Utilization



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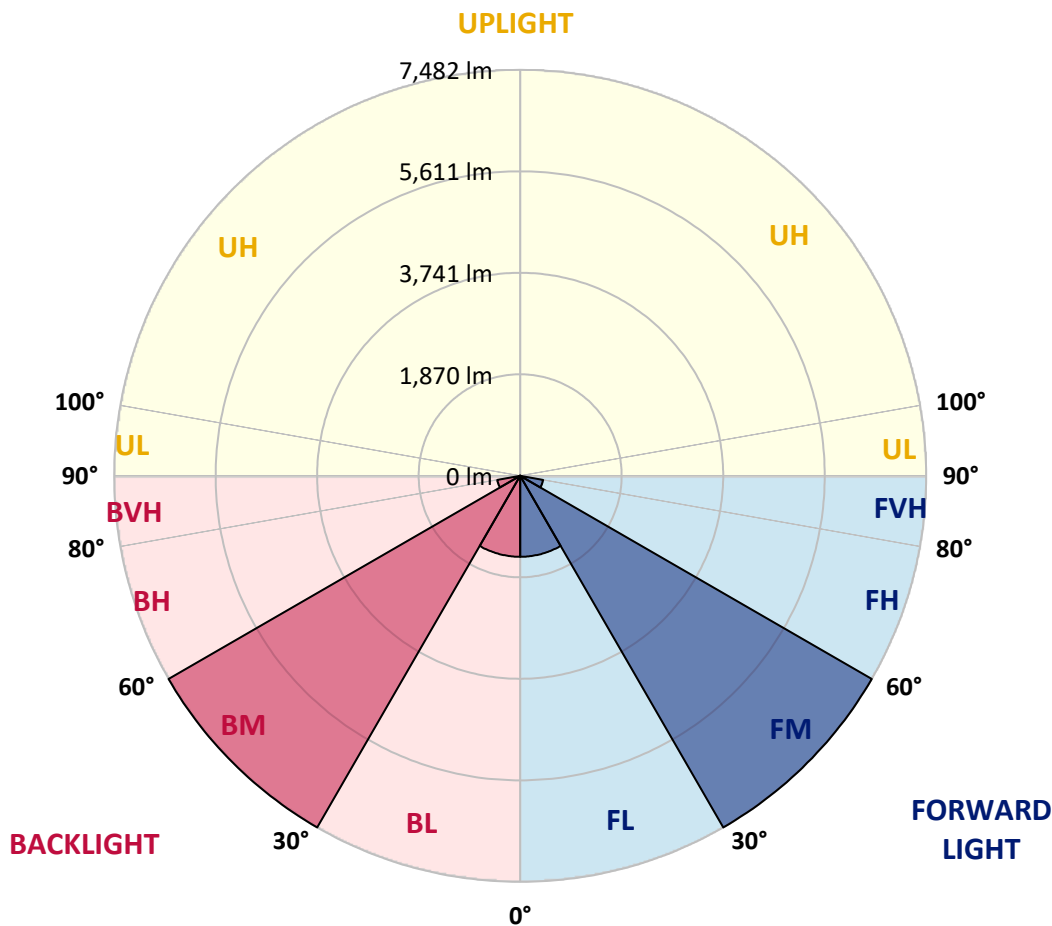
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1491.4	7.9			
FM (30°-60°)	7481.7	39.7			
FH (60°-80°)	428.4	2.3			G0/660
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	1491.4	7.9	B3/2500		
BM (30°-60°)	7481.7	39.7	B4/8500		
BH (60°-80°)	428.4	2.3	B1/500		G0/660
BVH (80°-90°)	12.9	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°	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4	2610.4
2.5°	2600.9	2600.9	2597.8	2623.1	2610.4	2638.9	2635.8	2645.3	2654.8	2651.6	2677.0
5°	2578.8	2575.6	2575.6	2604.1	2632.6	2664.3	2692.8	2711.8	2743.5	2743.5	2775.2
7.5°	2600.9	2585.1	2607.3	2619.9	2673.8	2727.6	2775.2	2813.2	2886.0	2911.4	2901.9
10°	2607.3	2626.3	2642.1	2680.1	2746.7	2829.0	2870.2	2965.2	3047.6	3104.6	3117.3
12.5°	2648.4	2677.0	2721.3	2813.2	2873.4	2981.1	3038.1	3130.0	3244.0	3307.4	3351.7
15°	2727.6	2737.2	2794.2	2911.4	3041.3	3139.5	3228.2	3294.7	3405.6	3478.5	3481.6
17.5°	2829.0	2870.2	2949.4	3060.3	3196.5	3342.2	3411.9	3484.8	3526.0	3624.2	3646.4
20°	3031.8	3038.1	3114.1	3259.9	3430.9	3564.0	3614.7	3652.7	3636.9	3738.2	3757.3
22.5°	3221.9	3228.2	3323.2	3519.7	3703.4	3817.4	3839.6	3817.4	3769.9	3842.8	3849.1
25°	3415.1	3472.1	3541.8	3738.2	3966.3	4118.4	4121.6	4061.4	3963.2	3975.8	4007.5
27.5°	3716.1	3757.3	3830.1	4010.7	4261.0	4432.0	4403.5	4330.7	4203.9	4213.4	4203.9
30°	4067.7	4105.7	4165.9	4397.2	4580.9	4767.8	4809.0	4739.3	4549.3	4508.1	4555.6
32.5°	4492.2	4546.1	4657.0	4869.2	5024.5	5138.5	5167.0	5141.7	4964.3	4948.4	4980.1
35°	5008.6	5081.5	5182.9	5369.8	5496.5	5702.4	5702.4	5616.9	5455.3	5474.3	5471.1
37.5°	5553.5	5661.2	5819.6	6009.7	6180.8	6291.7	6256.8	6183.9	6022.4	5981.2	6022.4
40°	6237.8	6291.7	6491.2	6738.3	6947.4	7074.1	6925.3	6766.9	6380.4	6440.5	6551.4
42.5°	6861.9	6947.4	7099.5	7371.9	7609.5	7714.1	7536.7	7223.0	6757.3	6709.8	6792.2
45°	7394.1	7486.0	7685.6	8075.2	8325.5	8417.4	8024.5	7517.7	6985.4	6865.1	6899.9
47.5°	7748.9	7796.5	8075.2	8445.9	8674.0	8883.1	8319.2	7720.4	7093.2	6865.1	6852.4
50°	7612.7	7695.1	8021.4	8442.7	8857.7	9006.6	8468.1	7875.7	7128.0	6836.5	6798.5
52.5°	6760.5	6903.1	7267.4	7834.5	8461.7	8994.0	8674.0	7825.0	7115.3	6865.1	6922.1
55°	4704.5	4707.7	5151.2	5987.5	7096.3	8350.9	8373.0	7882.0	7197.7	7042.5	7045.6
57.5°	1891.3	1986.3	2325.3	3164.8	4188.1	5734.1	6817.5	7311.7	7207.2	7169.2	7267.4
60°	478.4	481.5	586.1	893.4	1473.1	2458.4	3570.3	4831.2	5563.0	5813.3	5848.1
62.5°	243.9	247.1	272.4	316.8	402.3	658.9	1172.2	1859.6	2645.3	3044.4	3149.0
65°	199.6	199.6	215.4	237.6	240.8	253.4	304.1	434.0	630.4	716.0	725.5
67.5°	152.1	152.1	164.7	177.4	183.7	180.6	174.2	180.6	218.6	209.1	202.8
70°	95.0	98.2	104.5	117.2	123.6	126.7	129.9	136.2	155.2	161.6	155.2
72.5°	57.0	57.0	60.2	69.7	79.2	85.5	95.0	101.4	110.9	126.7	123.6
75°	25.3	25.3	31.7	41.2	50.7	60.2	69.7	79.2	85.5	95.0	98.2
77.5°	6.3	9.5	15.8	28.5	38.0	50.7	63.4	72.9	79.2	79.2	76.0
80°	3.2	3.2	12.7	22.2	41.2	53.9	69.7	76.0	85.5	79.2	69.7
82.5°	3.2	3.2	12.7	22.2	38.0	53.9	72.9	82.4	88.7	79.2	66.5
85°	0.0	3.2	9.5	19.0	31.7	38.0	31.7	22.2	12.7	12.7	9.5
87.5°	0.0	0.0	3.2	3.2	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)