

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: P533767

Luminaire Tested: **GALN-SA9B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533767
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-SA9B-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 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: 27880 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

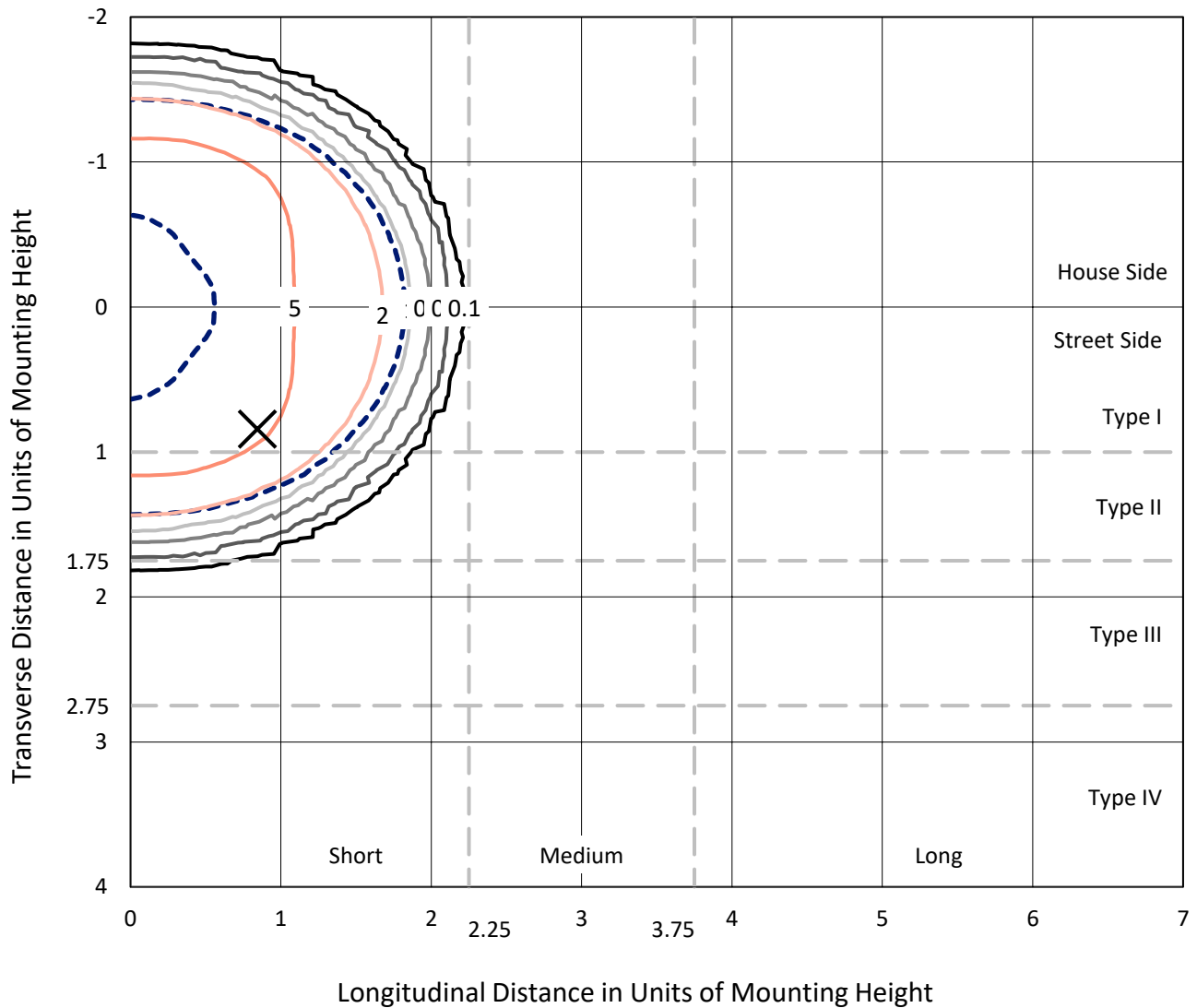
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

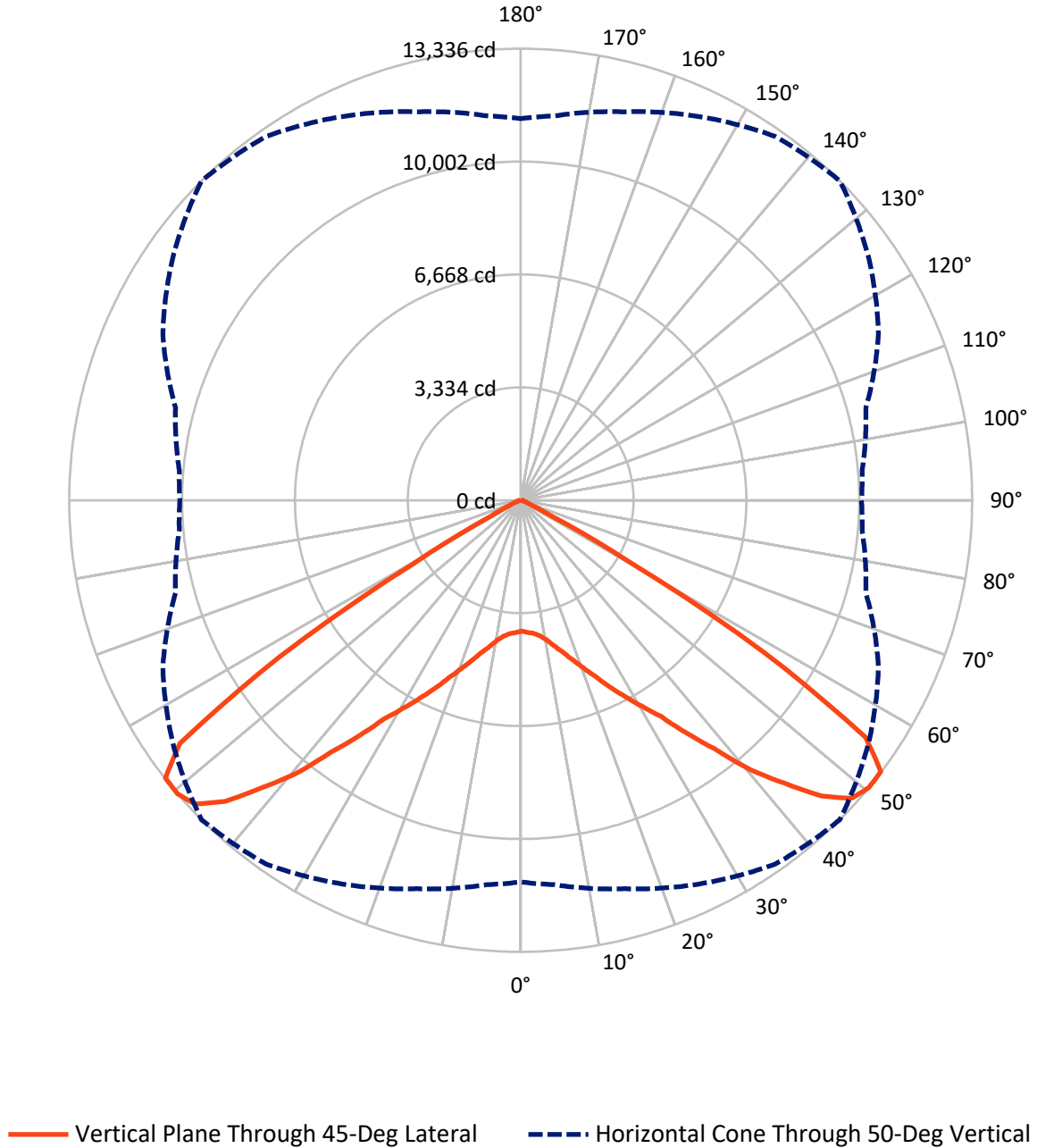
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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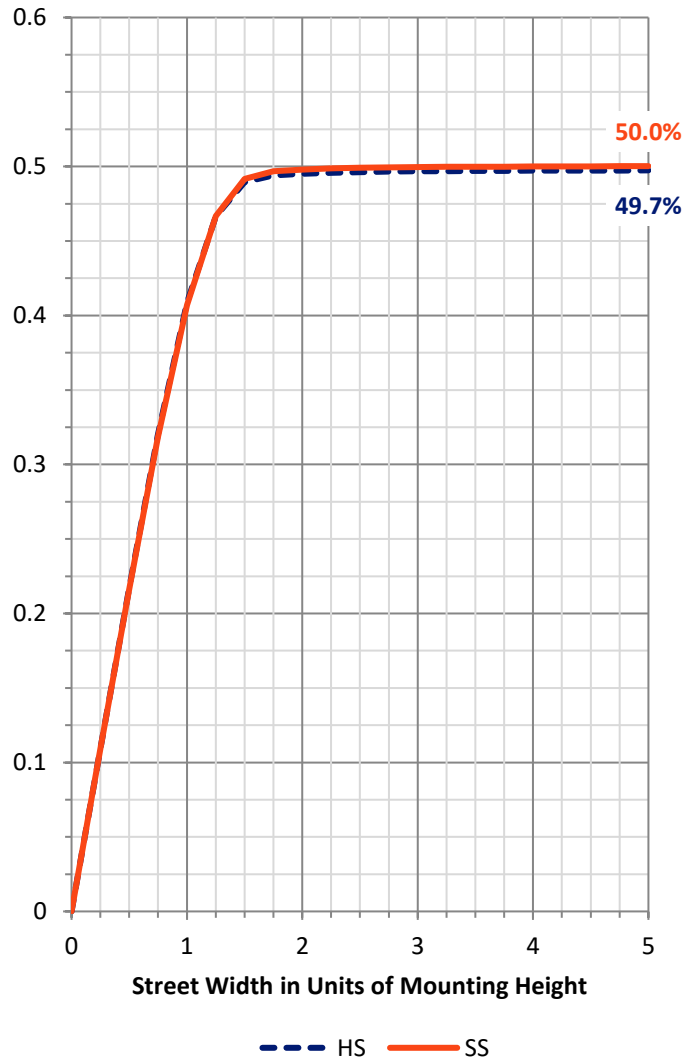
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13940.0	0.0	13940.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13940.0	0.0	13940.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27880.0	0.0	27880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.5	1.4
10°-20°	1325.3	4.8
20°-30°	2706.8	9.7
30°-40°	5161.9	18.5
40°-50°	8698.6	31.2
50°-60°	8295.7	29.8
60°-70°	1158.0	4.2
70°-80°	110.8	0.4
80°-90°	38.3	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°	27880.0	100.0
0°-180°	27880.0	100.0

Coefficient of Utilization



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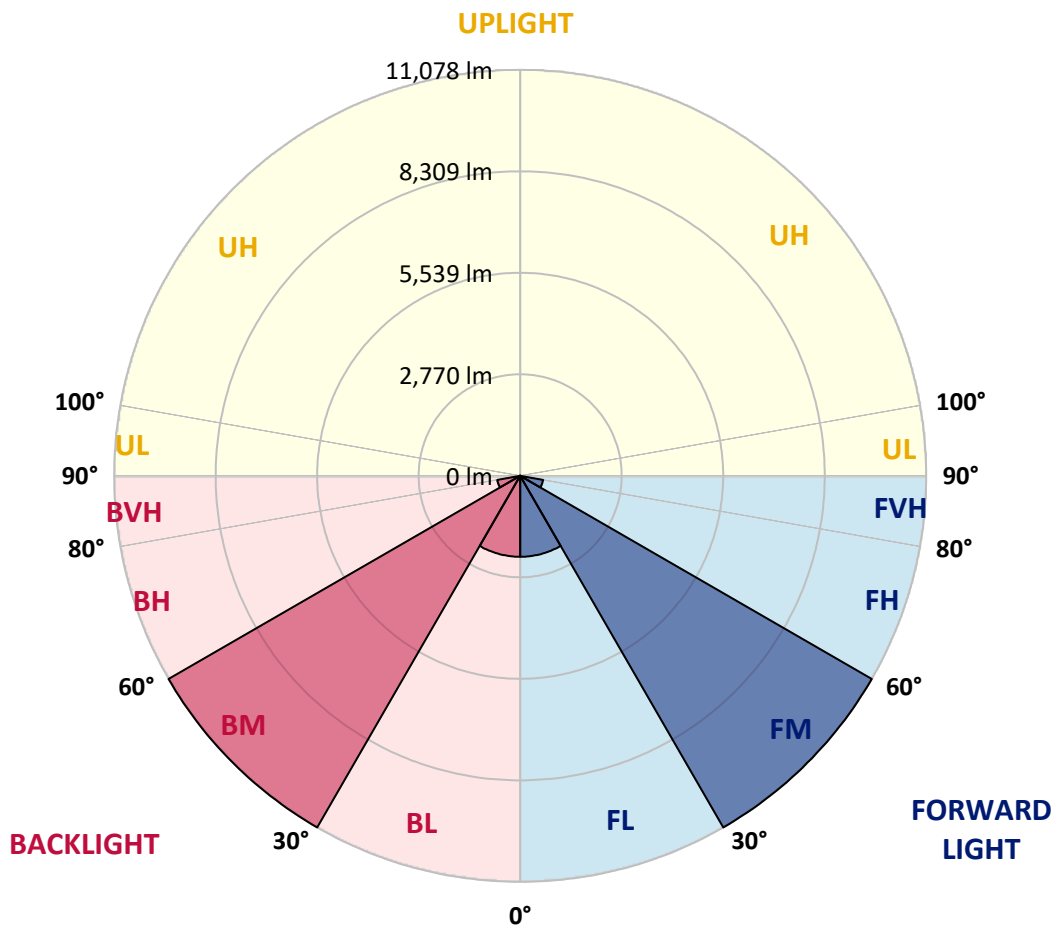
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2208.4	7.9			
FM (30°-60°)	11078.1	39.7			
FH (60°-80°)	634.4	2.3			G0/660
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	2208.4	7.9	B3/2500		
BM (30°-60°)	11078.1	39.7	B5		
BH (60°-80°)	634.4	2.3	B2/1000		G0/660
BVH (80°-90°)	19.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3	3865.3
2.5°	3851.2	3851.2	3846.5	3884.0	3865.3	3907.5	3902.8	3916.9	3930.9	3926.2	3963.8
5°	3818.3	3813.7	3813.7	3855.9	3898.1	3945.0	3987.2	4015.4	4062.3	4062.3	4109.2
7.5°	3851.2	3827.7	3860.6	3879.3	3959.1	4038.8	4109.2	4165.5	4273.4	4310.9	4296.8
10°	3860.6	3888.7	3912.2	3968.5	4067.0	4188.9	4249.9	4390.6	4512.6	4597.0	4615.8
12.5°	3921.5	3963.8	4029.4	4165.5	4254.6	4414.1	4498.5	4634.6	4803.4	4897.2	4962.9
15°	4038.8	4052.9	4137.3	4310.9	4503.2	4648.6	4780.0	4878.5	5042.7	5150.5	5155.2
17.5°	4188.9	4249.9	4367.2	4531.4	4733.1	4948.8	5052.0	5159.9	5220.9	5366.3	5399.2
20°	4489.1	4498.5	4611.1	4826.9	5080.2	5277.2	5352.3	5408.5	5385.1	5535.2	5563.3
22.5°	4770.6	4780.0	4920.7	5211.5	5483.6	5652.5	5685.3	5652.5	5582.1	5690.0	5699.4
25°	5056.7	5141.2	5244.4	5535.2	5872.9	6098.1	6102.8	6013.7	5868.2	5887.0	5933.9
27.5°	5502.4	5563.3	5671.2	5938.6	6309.2	6562.5	6520.3	6412.4	6224.7	6238.8	6224.7
30°	6023.0	6079.3	6168.5	6510.9	6783.0	7059.7	7120.7	7017.5	6736.1	6675.1	6745.4
32.5°	6651.6	6731.4	6895.5	7209.8	7439.7	7608.5	7650.8	7613.2	7350.6	7327.1	7374.0
35°	7416.2	7524.1	7674.2	7951.0	8138.6	8443.5	8443.5	8316.9	8077.6	8105.8	8101.1
37.5°	8223.0	8382.5	8617.1	8898.5	9151.8	9316.0	9264.4	9156.5	8917.3	8856.3	8917.3
40°	9236.3	9316.0	9611.5	9977.4	10287.0	10474.7	10254.2	10019.6	9447.4	9536.5	9700.7
42.5°	10160.4	10287.0	10512.2	10915.6	11267.4	11422.2	11159.5	10695.1	10005.6	9935.2	10057.2
45°	10948.4	11084.5	11380.0	11957.0	12327.5	12463.6	11881.9	11131.4	10343.3	10165.1	10216.7
47.5°	11473.8	11544.2	11957.0	12505.8	12843.5	13153.1	12318.2	11431.6	10502.8	10165.1	10146.3
50°	11272.1	11394.1	11877.2	12501.1	13115.6	13336.1	12538.6	11661.4	10554.4	10122.8	10066.6
52.5°	10010.3	10221.3	10760.8	11600.5	12529.2	13317.3	12843.5	11586.4	10535.6	10165.1	10249.5
55°	6965.9	6970.6	7627.3	8865.7	10507.5	12365.1	12397.9	11670.8	10657.6	10427.7	10432.4
57.5°	2800.4	2941.2	3443.1	4686.2	6201.3	8490.4	10094.7	10826.5	10671.7	10615.4	10760.8
60°	708.3	713.0	867.8	1322.8	2181.2	3640.1	5286.6	7153.5	8237.1	8607.7	8659.3
62.5°	361.2	365.9	403.4	469.1	595.7	975.7	1735.6	2753.5	3916.9	4507.9	4662.7
65°	295.5	295.5	319.0	351.8	356.5	375.3	450.3	642.6	933.5	1060.1	1074.2
67.5°	225.2	225.2	243.9	262.7	272.1	267.4	258.0	267.4	323.7	309.6	300.2
70°	140.7	145.4	154.8	173.6	182.9	187.6	192.3	201.7	229.9	239.2	229.9
72.5°	84.4	84.4	89.1	103.2	117.3	126.7	140.7	150.1	164.2	187.6	182.9
75°	37.5	37.5	46.9	61.0	75.1	89.1	103.2	117.3	126.7	140.7	145.4
77.5°	9.4	14.1	23.5	42.2	56.3	75.1	93.8	107.9	117.3	117.3	112.6
80°	4.7	4.7	18.8	32.8	61.0	79.7	103.2	112.6	126.7	117.3	103.2
82.5°	4.7	4.7	18.8	32.8	56.3	79.7	107.9	122.0	131.3	117.3	98.5
85°	0.0	4.7	14.1	28.1	46.9	56.3	46.9	32.8	18.8	18.8	14.1
87.5°	0.0	0.0	4.7	4.7	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)