

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: P533585

Luminaire Tested: **GALN-SA9A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533585
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-SA9A-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 615mA 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: 24958 lumens
Efficiency: N/A
Efficacy: 91.1 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

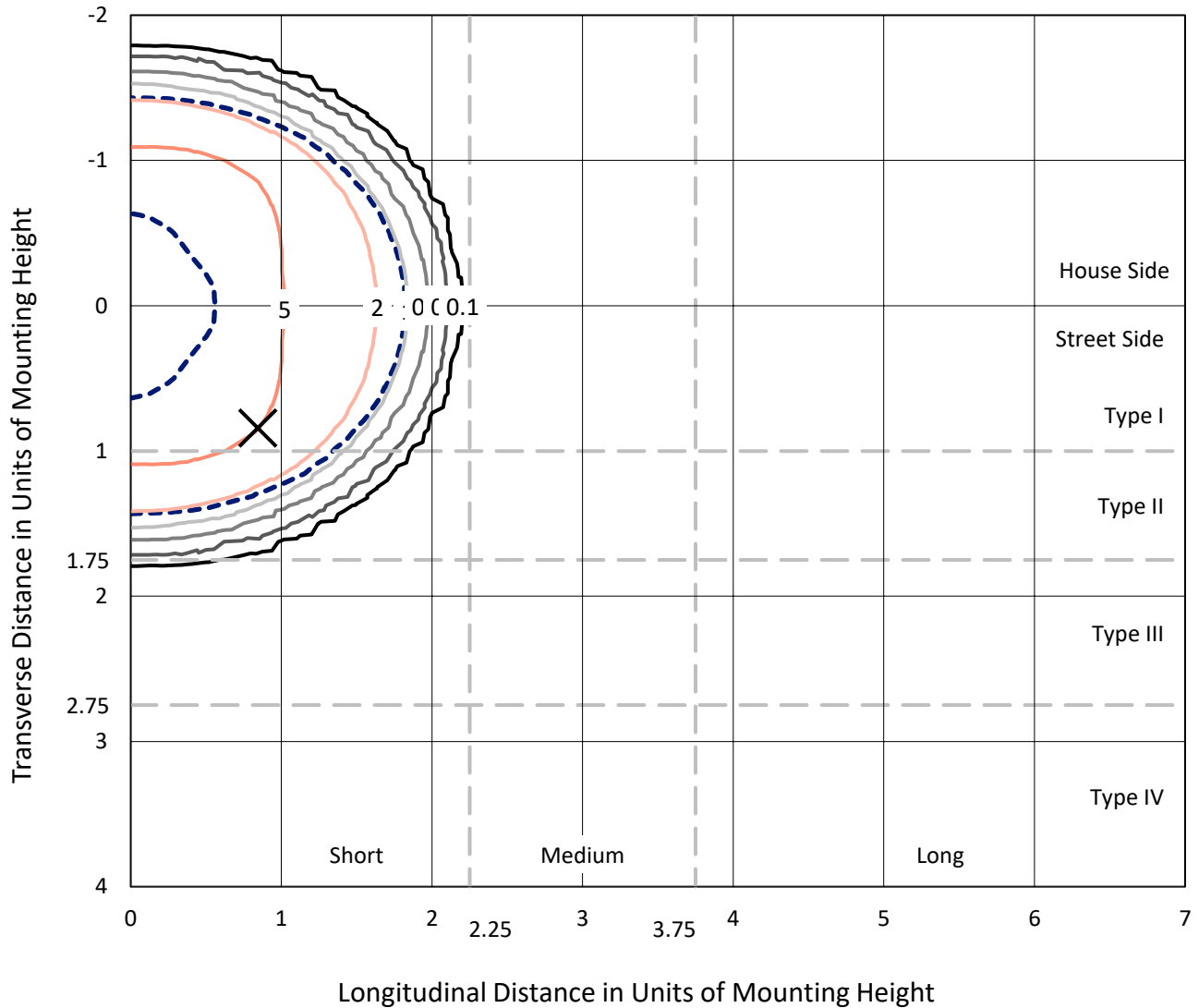
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

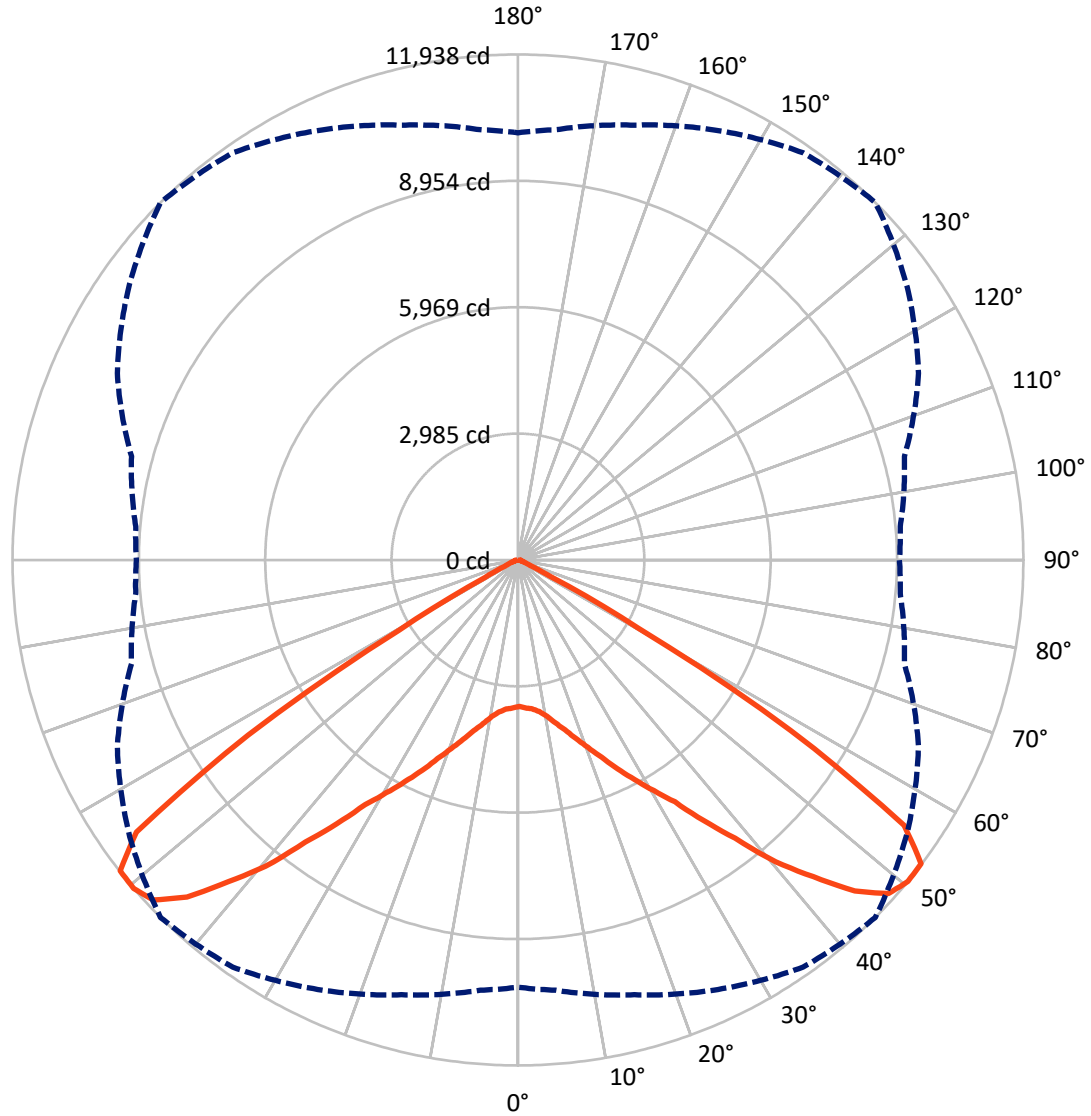
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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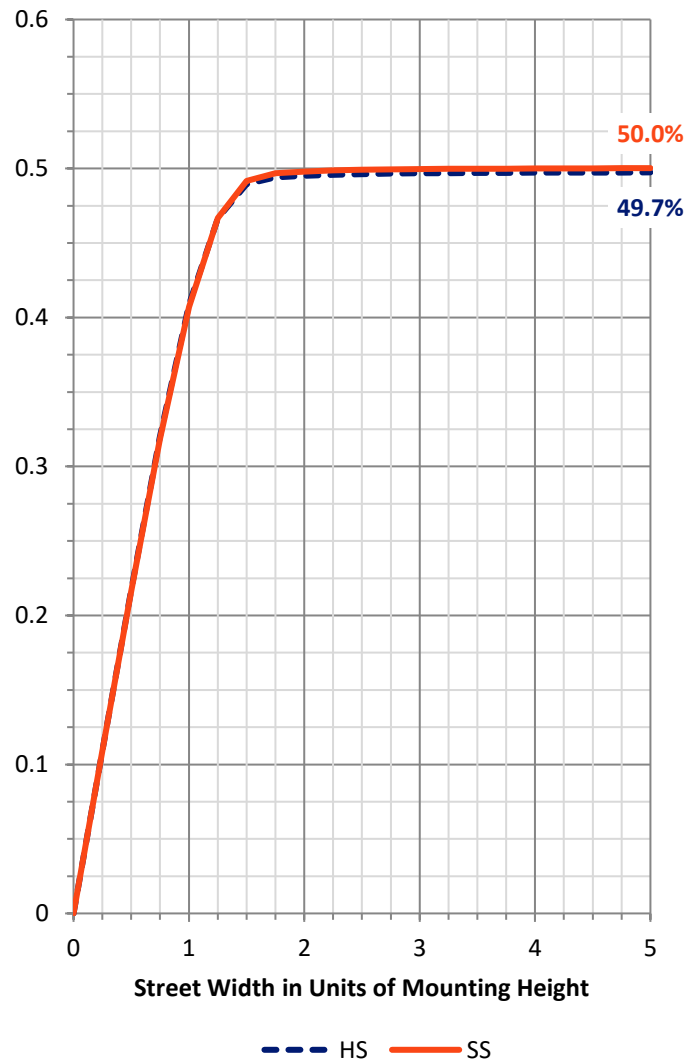
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12479.0	0.0	12479.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12479.0	0.0	12479.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24958.0	0.0	24958.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	1.4
10°-20°	1186.4	4.8
20°-30°	2423.1	9.7
30°-40°	4620.9	18.5
40°-50°	7786.9	31.2
50°-60°	7426.2	29.8
60°-70°	1036.7	4.2
70°-80°	99.2	0.4
80°-90°	34.3	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°	24958.0	100.0
0°-180°	24958.0	100.0

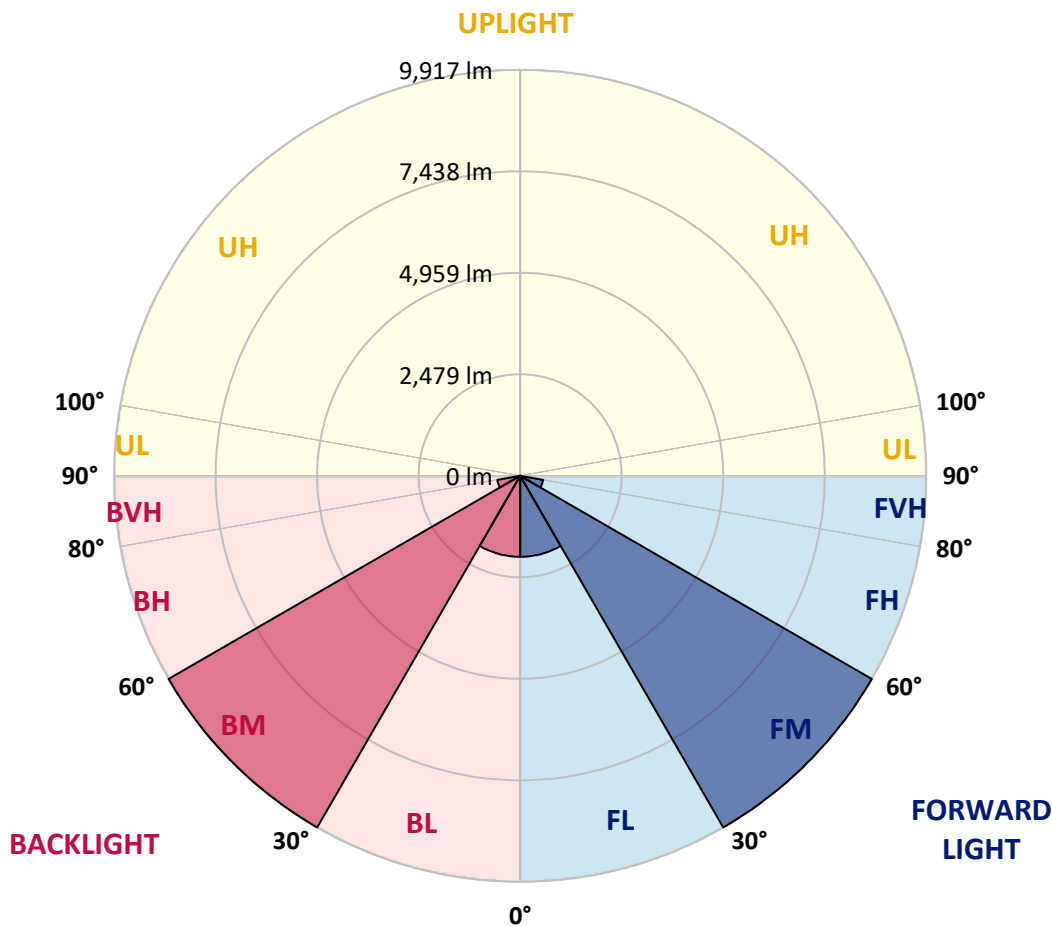


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.9	7.9			
FM (30°-60°)	9917.1	39.7			
FH (60°-80°)	567.9	2.3			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	1976.9	7.9	B3/2500		
BM (30°-60°)	9917.1	39.7	B5		
BH (60°-80°)	567.9	2.3	B2/1000		G0/660
BVH (80°-90°)	17.1	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°	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2	3460.2
2.5°	3447.6	3447.6	3443.4	3476.9	3460.2	3497.9	3493.7	3506.3	3518.9	3514.7	3548.3
5°	3418.2	3414.0	3414.0	3451.8	3489.5	3531.5	3569.3	3594.5	3636.5	3636.5	3678.5
7.5°	3447.6	3426.6	3456.0	3472.7	3544.1	3615.5	3678.5	3728.9	3825.5	3859.1	3846.5
10°	3456.0	3481.1	3502.1	3552.5	3640.7	3749.9	3804.5	3930.5	4039.6	4115.2	4132.0
12.5°	3510.5	3548.3	3607.1	3728.9	3808.7	3951.5	4027.0	4148.8	4300.0	4384.0	4442.8
15°	3615.5	3628.1	3703.7	3859.1	4031.2	4161.4	4279.0	4367.2	4514.2	4610.7	4614.9
17.5°	3749.9	3804.5	3909.5	4056.4	4237.0	4430.2	4522.6	4619.1	4673.7	4803.9	4833.3
20°	4018.6	4027.0	4127.8	4321.0	4547.7	4724.1	4791.3	4841.7	4820.7	4955.1	4980.3
22.5°	4270.6	4279.0	4405.0	4665.3	4908.9	5060.1	5089.4	5060.1	4997.1	5093.6	5102.0
25°	4526.8	4602.3	4694.7	4955.1	5257.4	5459.0	5463.2	5383.4	5253.2	5270.0	5312.0
27.5°	4925.7	4980.3	5076.8	5316.2	5647.9	5874.7	5836.9	5740.3	5572.4	5585.0	5572.4
30°	5391.8	5442.2	5522.0	5828.5	6072.1	6319.8	6374.4	6282.0	6030.1	5975.5	6038.5
32.5°	5954.5	6025.9	6172.8	6454.2	6660.0	6811.1	6848.9	6815.3	6580.2	6559.2	6601.2
35°	6639.0	6735.5	6869.9	7117.7	7285.6	7558.6	7558.6	7445.2	7231.0	7256.2	7252.0
37.5°	7361.2	7504.0	7714.0	7965.9	8192.7	8339.6	8293.4	8196.9	7982.7	7928.1	7982.7
40°	8268.3	8339.6	8604.2	8931.7	9208.9	9376.8	9179.5	8969.5	8457.2	8537.0	8684.0
42.5°	9095.5	9208.9	9410.4	9771.6	10086.5	10225.1	9989.9	9574.2	8956.9	8893.9	9003.1
45°	9801.0	9922.7	10187.3	10703.8	11035.5	11157.3	10636.6	9964.7	9259.3	9099.7	9145.9
47.5°	10271.3	10334.3	10703.8	11195.1	11497.4	11774.6	11027.1	10233.5	9402.0	9099.7	9082.9
50°	10090.7	10199.9	10632.4	11190.9	11741.0	11938.4	11224.5	10439.2	9448.2	9061.9	9011.5
52.5°	8961.1	9150.1	9633.0	10384.7	11216.1	11921.6	11497.4	10372.1	9431.4	9099.7	9175.3
55°	6235.8	6240.0	6827.9	7936.5	9406.2	11069.1	11098.5	10447.6	9540.6	9334.9	9339.1
57.5°	2506.9	2632.9	3082.2	4195.0	5551.4	7600.6	9036.7	9691.8	9553.2	9502.8	9633.0
60°	634.1	638.3	776.9	1184.2	1952.6	3258.6	4732.5	6403.8	7373.8	7705.6	7751.7
62.5°	323.3	327.5	361.1	419.9	533.3	873.4	1553.7	2464.9	3506.3	4035.4	4174.0
65°	264.6	264.6	285.5	314.9	319.1	335.9	403.1	575.3	835.6	949.0	961.6
67.5°	201.6	201.6	218.4	235.2	243.6	239.4	231.0	239.4	289.7	277.1	268.7
70°	126.0	130.2	138.6	155.4	163.8	168.0	172.2	180.6	205.8	214.2	205.8
72.5°	75.6	75.6	79.8	92.4	105.0	113.4	126.0	134.4	147.0	168.0	163.8
75°	33.6	33.6	42.0	54.6	67.2	79.8	92.4	105.0	113.4	126.0	130.2
77.5°	8.4	12.6	21.0	37.8	50.4	67.2	84.0	96.6	105.0	105.0	100.8
80°	4.2	4.2	16.8	29.4	54.6	71.4	92.4	100.8	113.4	105.0	92.4
82.5°	4.2	4.2	16.8	29.4	50.4	71.4	96.6	109.2	117.6	105.0	88.2
85°	0.0	4.2	12.6	25.2	42.0	50.4	42.0	29.4	16.8	16.8	12.6
87.5°	0.0	0.0	4.2	4.2	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)