

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: P459127

Luminaire Tested: **GALN-SA6B-735-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32430 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

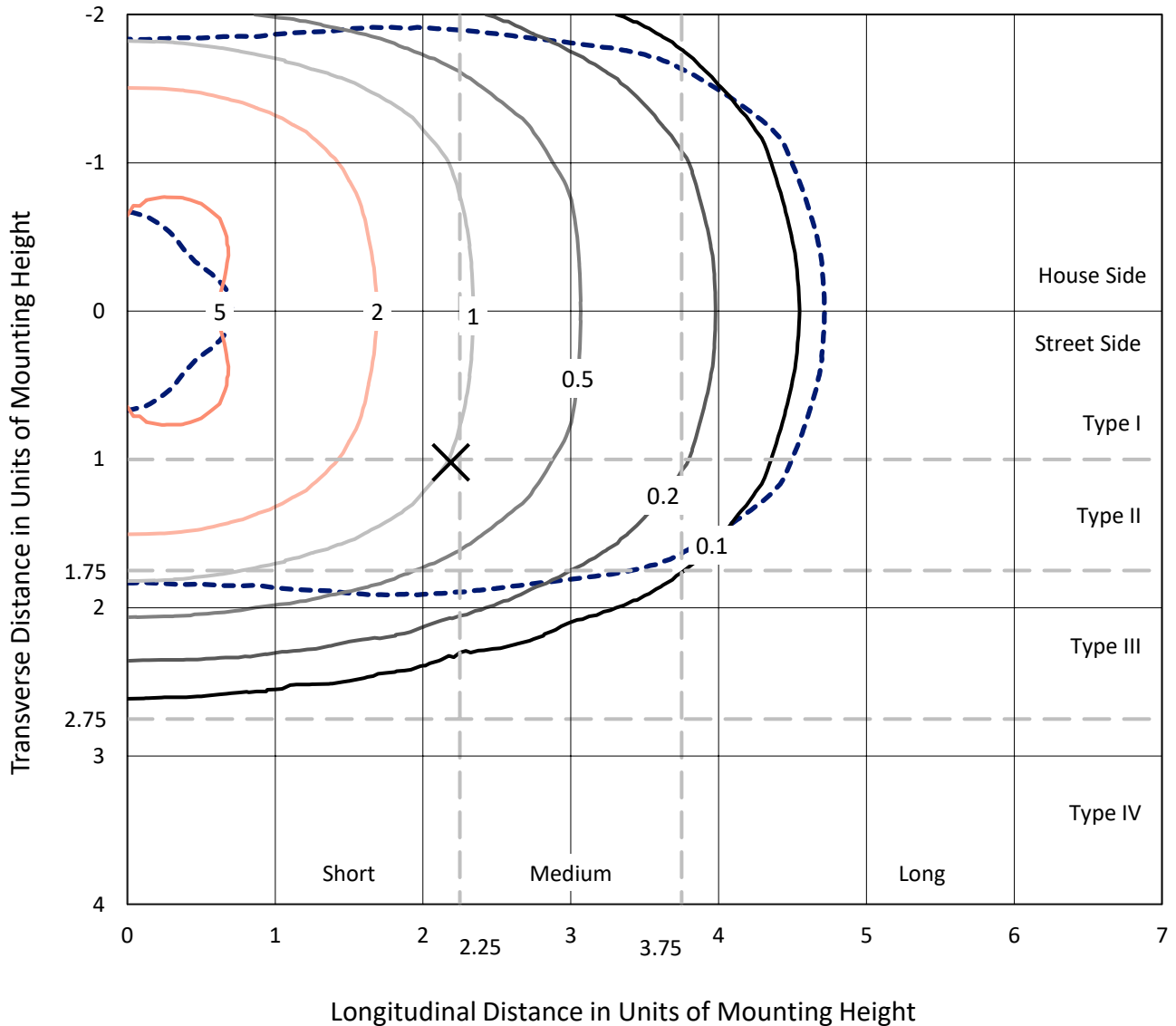
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

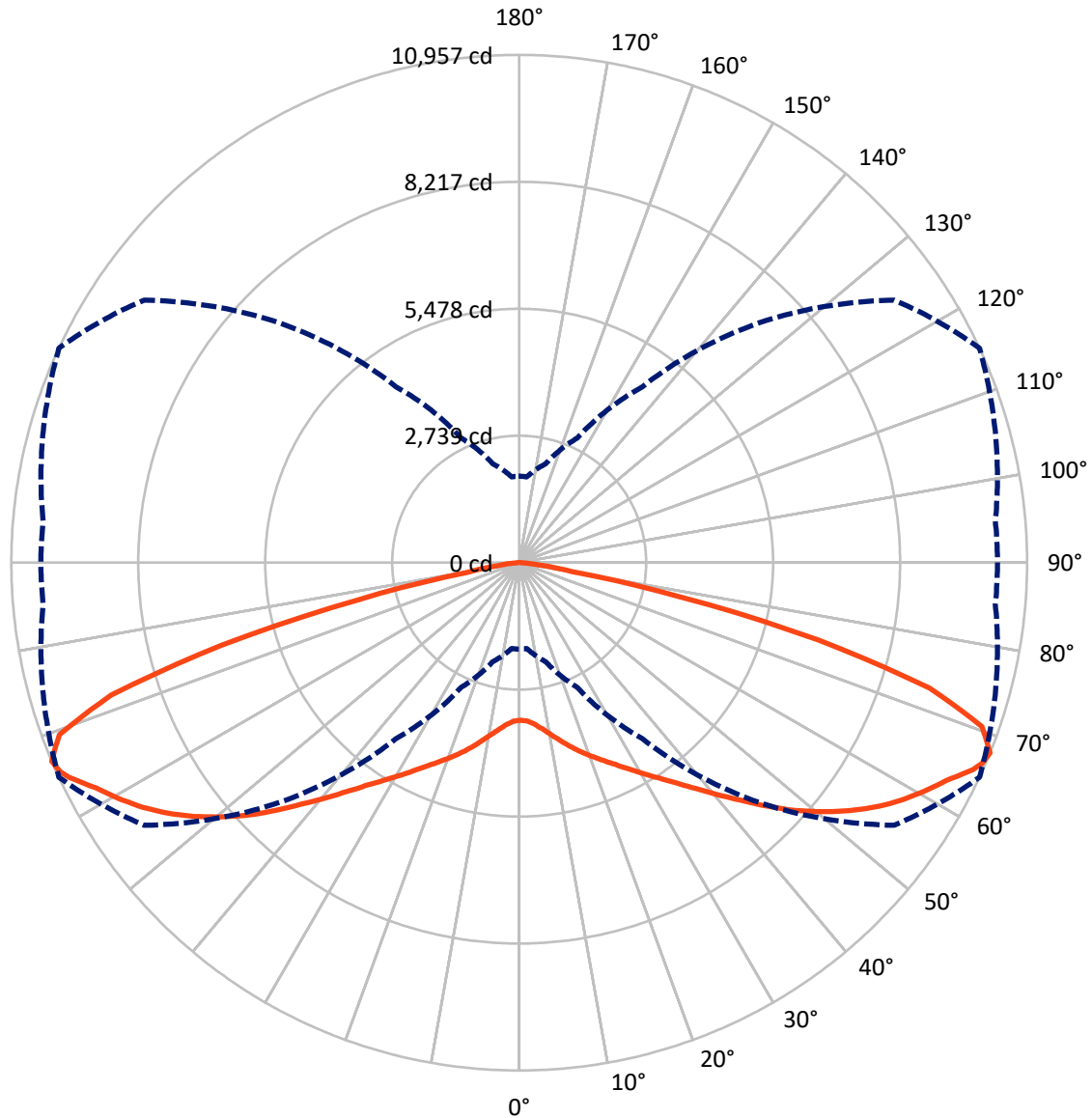
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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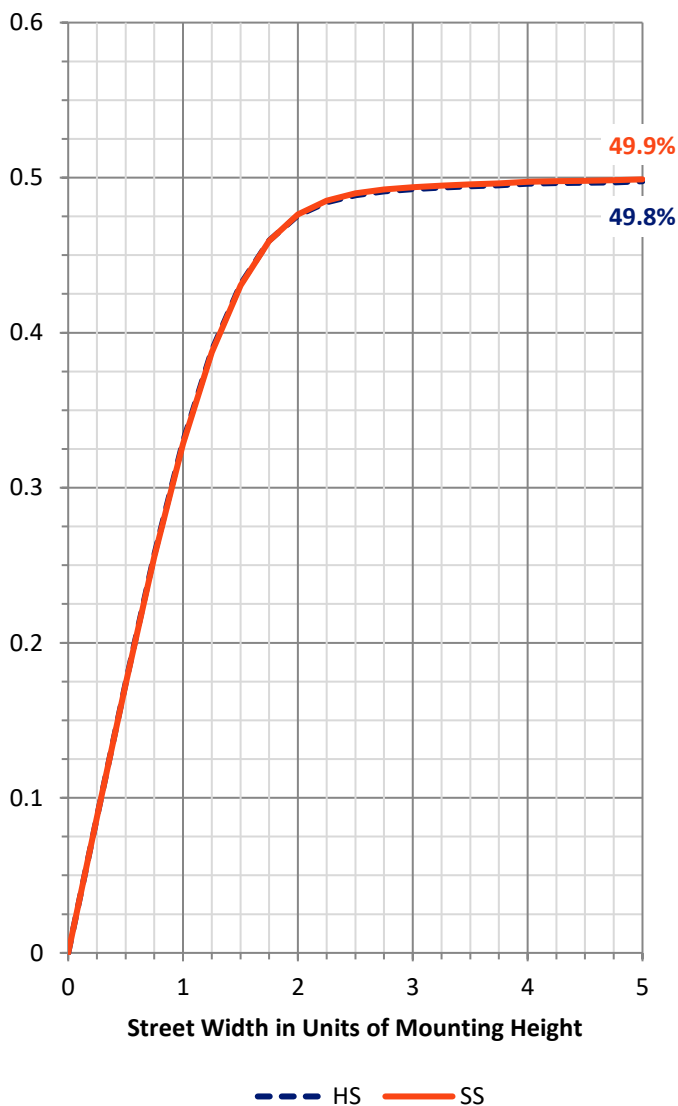
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16215.0	0.0	16215.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16215.0	0.0	16215.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32430.0	0.0	32430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.0	1.0
10°-20°	1121.3	3.5
20°-30°	2193.3	6.8
30°-40°	3730.4	11.5
40°-50°	5904.2	18.2
50°-60°	7828.8	24.1
60°-70°	7385.0	22.8
70°-80°	3650.8	11.3
80°-90°	281.3	0.9
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°	32430.0	100.0
0°-180°	32430.0	100.0

Coefficient of Utilization



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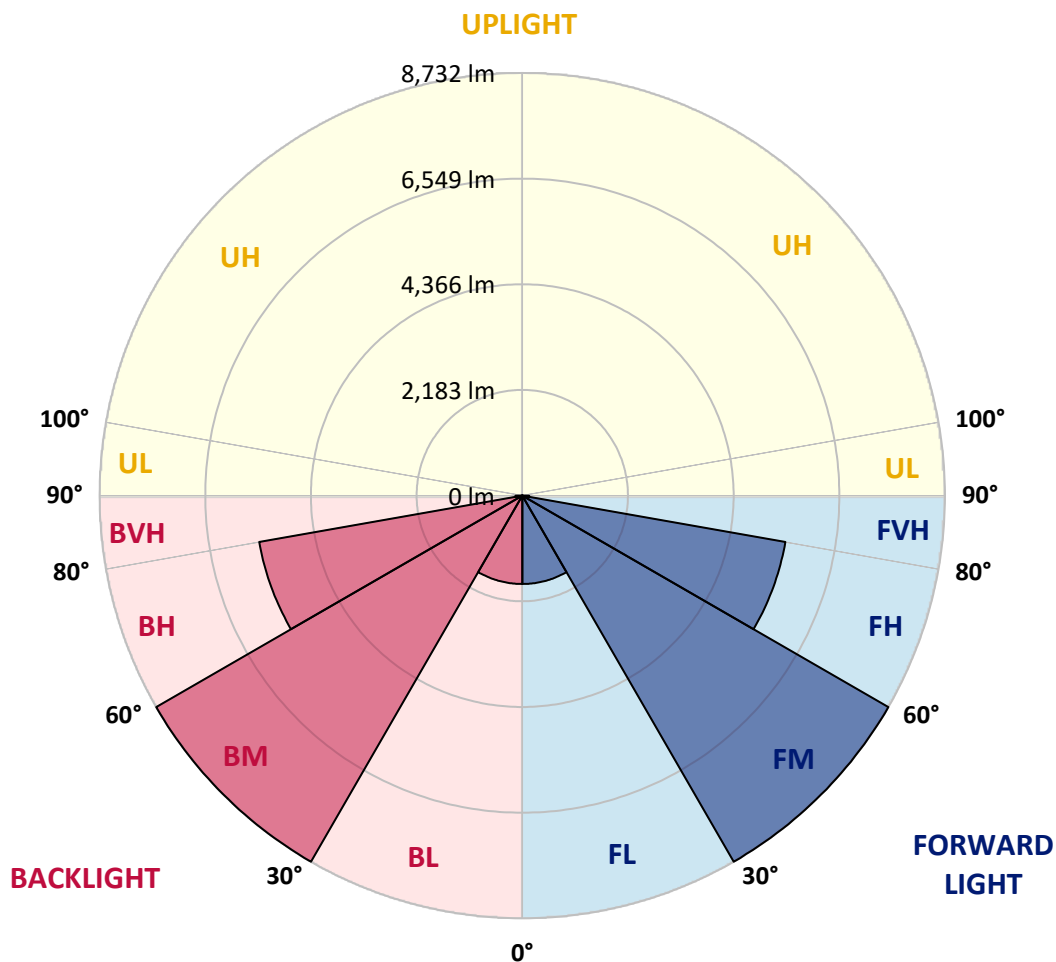
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1824.8	5.6			
FM	(30°-60°)	8731.7	26.9			
FH	(60°-80°)	5517.9	17.0			G3/7500
FVH	(80°-90°)	140.7	0.4			G2/225
BL	(0°-30°)	1824.8	5.6	B3/2500		
BM	(30°-60°)	8731.7	26.9	B5		
BH	(60°-80°)	5517.9	17.0	B5		G5
BVH	(80°-90°)	140.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8	3396.8
2.5°	3379.4	3382.9	3386.3	3391.5	3398.5	3408.9	3415.9	3421.1	3435.0	3436.7	3435.0
5°	3367.2	3370.7	3379.4	3395.0	3417.6	3448.9	3473.2	3502.7	3525.3	3541.0	3537.5
7.5°	3365.5	3372.4	3386.3	3419.3	3462.8	3516.6	3572.2	3622.6	3666.1	3700.8	3695.6
10°	3393.3	3402.0	3424.6	3473.2	3541.0	3619.2	3697.3	3772.1	3834.6	3879.8	3895.4
12.5°	3440.2	3447.1	3488.8	3561.8	3659.1	3756.4	3845.0	3937.1	4024.0	4100.4	4100.4
15°	3521.9	3534.0	3586.1	3692.1	3812.0	3924.9	4015.3	4112.6	4206.4	4293.3	4319.4
17.5°	3634.8	3652.2	3730.4	3865.9	4018.8	4123.0	4208.2	4288.1	4369.7	4453.1	4465.3
20°	3789.4	3806.8	3911.0	4074.4	4255.1	4380.2	4437.5	4456.6	4496.6	4576.5	4586.9
22.5°	3999.7	4017.0	4133.4	4317.6	4519.2	4654.7	4679.0	4633.8	4623.4	4686.0	4692.9
25°	4237.7	4253.3	4387.1	4585.2	4793.7	4941.4	4934.4	4823.2	4760.7	4798.9	4809.3
27.5°	4505.3	4527.9	4663.4	4868.4	5094.3	5224.6	5203.7	5042.1	4908.4	4901.4	4904.9
30°	4847.5	4871.9	5000.4	5196.8	5419.2	5539.1	5495.6	5278.4	5071.7	5002.2	5002.2
32.5°	5208.9	5269.8	5400.1	5605.1	5778.8	5865.7	5799.7	5539.1	5264.5	5167.2	5162.0
35°	5679.8	5712.8	5841.4	6041.2	6171.5	6239.3	6112.4	5832.7	5516.5	5401.8	5386.2
37.5°	6140.2	6168.0	6317.4	6508.6	6666.7	6663.2	6491.2	6181.9	5829.2	5700.6	5690.2
40°	6611.1	6640.6	6810.9	6986.4	7144.5	7130.6	6922.1	6576.3	6201.0	6056.8	6084.6
42.5°	7019.4	7052.4	7245.3	7495.5	7637.9	7634.4	7392.9	7003.7	6612.8	6484.2	6508.6
45°	7391.2	7420.7	7644.9	7931.6	8140.1	8166.1	7902.0	7490.2	7088.9	6923.8	6930.8
47.5°	7653.6	7709.2	7943.7	8272.1	8555.3	8647.4	8388.5	7985.4	7523.3	7351.2	7361.7
50°	7853.4	7888.1	8143.5	8517.1	8875.0	9066.1	8857.6	8444.1	7957.6	7775.2	7799.5
52.5°	7877.7	7919.4	8197.4	8628.3	9087.0	9377.1	9274.6	8892.4	8400.7	8213.0	8265.2
55°	7679.6	7703.9	8035.8	8558.8	9170.4	9608.2	9634.3	9309.4	8822.9	8680.4	8715.2
57.5°	7114.9	7177.5	7598.0	8233.9	9055.7	9731.6	9903.6	9688.1	9250.3	9109.6	9165.2
60°	6188.9	6251.4	6673.6	7479.8	8623.1	9674.2	10126.0	10023.5	9637.8	9524.8	9554.4
62.5°	4849.3	4844.1	5367.0	6355.7	7763.0	9392.8	10291.0	10346.6	10020.0	9877.5	9922.7
65°	3143.1	3158.7	3664.3	4729.4	6465.1	8676.9	10327.5	10758.4	10395.3	10179.8	10212.9
66°	2528.0	2574.9	3004.1	3985.8	5803.2	8207.8	10218.1	10880.0	10510.0	10249.3	10265.0
67.5°	1866.0	1857.4	2210.1	2967.6	4633.8	7316.5	9875.8	10956.5	10640.3	10311.9	10318.8
70°	1065.1	1063.3	1188.4	1629.7	2724.4	5151.6	8324.2	10589.9	10904.4	10537.8	10518.7
72.5°	778.4	773.2	790.5	900.0	1329.2	2601.0	5742.3	9255.5	10768.8	10501.3	10447.4
75°	653.3	649.8	646.3	660.2	745.4	1178.0	3047.5	6658.0	9344.1	9856.7	9801.1
77.5°	533.4	533.4	535.1	531.7	535.1	620.3	1263.1	3568.8	5690.2	6352.2	6506.8
80°	417.0	415.3	444.8	432.6	404.8	397.9	559.5	1148.5	1888.6	1878.2	1549.8
82.5°	307.5	286.7	338.8	330.1	298.8	253.7	326.6	490.0	630.7	410.0	304.1
85°	194.6	192.9	239.8	218.9	182.4	119.9	156.4	210.2	260.6	158.1	128.6
87.5°	34.7	33.0	76.4	55.6	55.6	34.7	43.4	57.3	85.1	59.1	43.4
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)