

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: P455067

Luminaire Tested: **GALN-SA6B-727-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455067
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-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29115 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

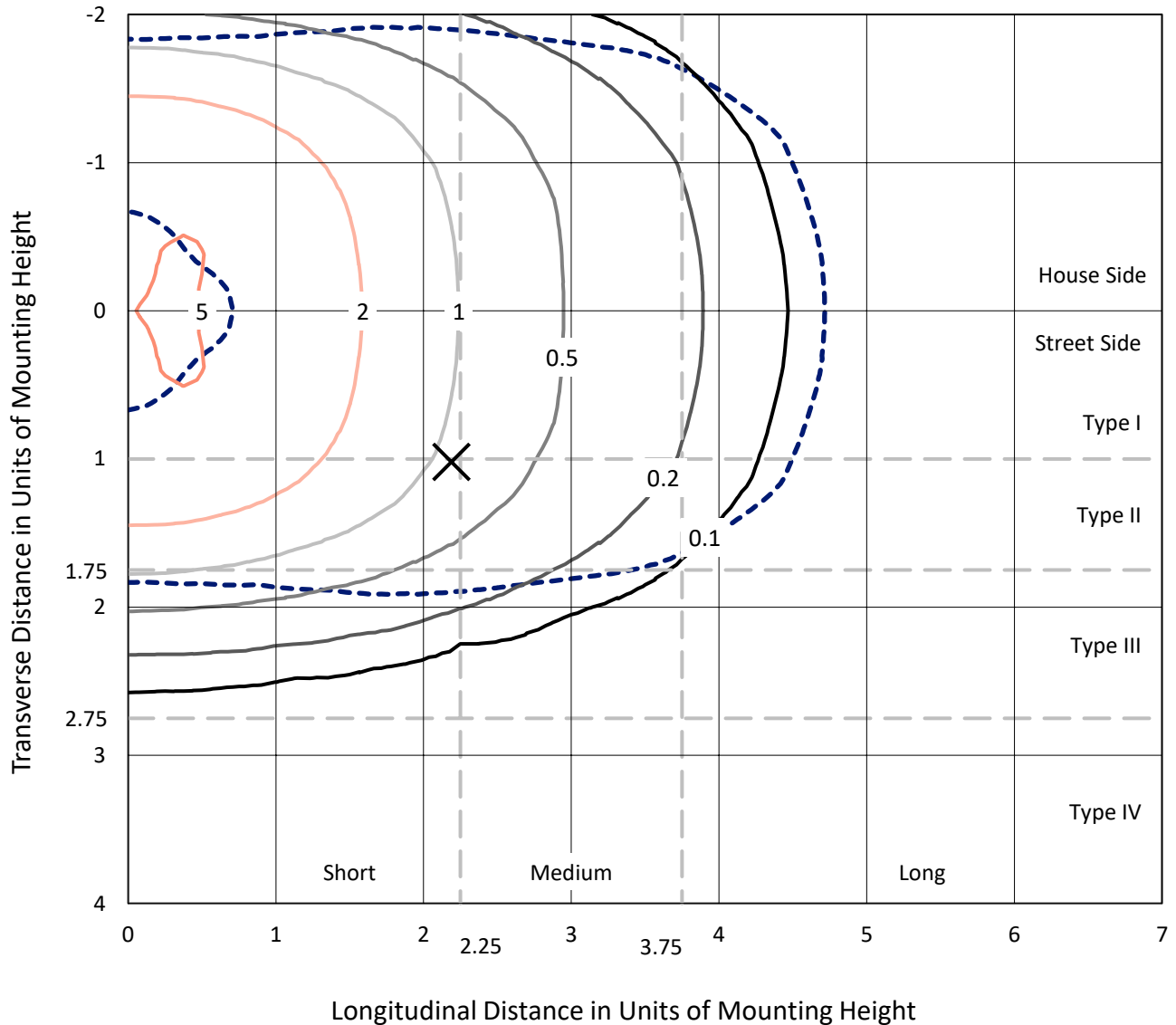
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

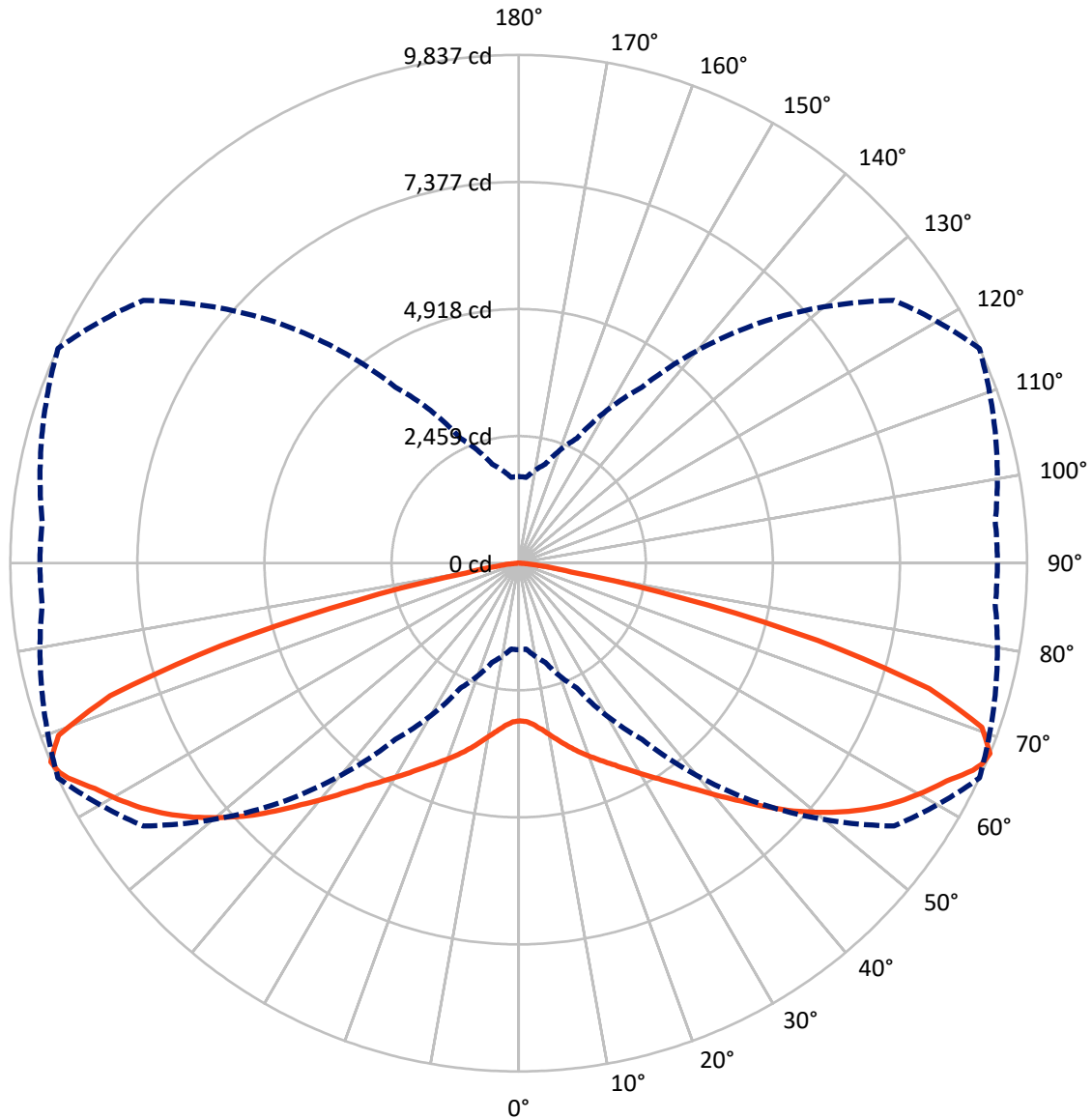
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type 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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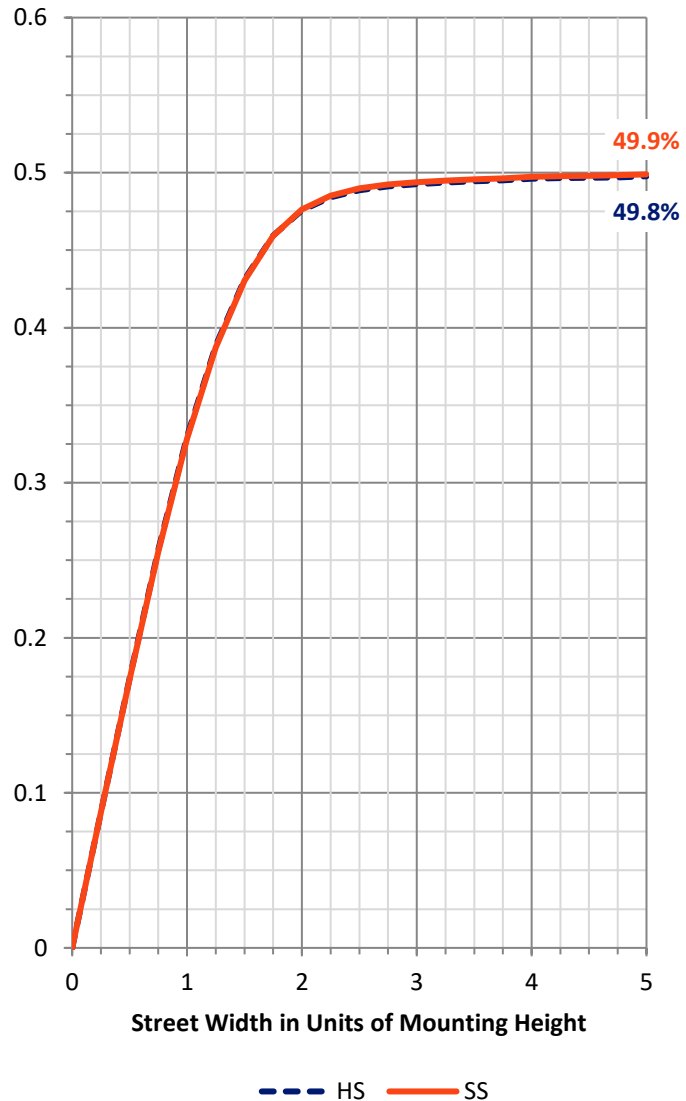
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14557.5	0.0	14557.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14557.5	0.0	14557.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29115.0	0.0	29115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.8	1.0
10°-20°	1006.6	3.5
20°-30°	1969.1	6.8
30°-40°	3349.1	11.5
40°-50°	5300.6	18.2
50°-60°	7028.5	24.1
60°-70°	6630.1	22.8
70°-80°	3277.6	11.3
80°-90°	252.6	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°	29115.0	100.0
0°-180°	29115.0	100.0

Coefficient of Utilization



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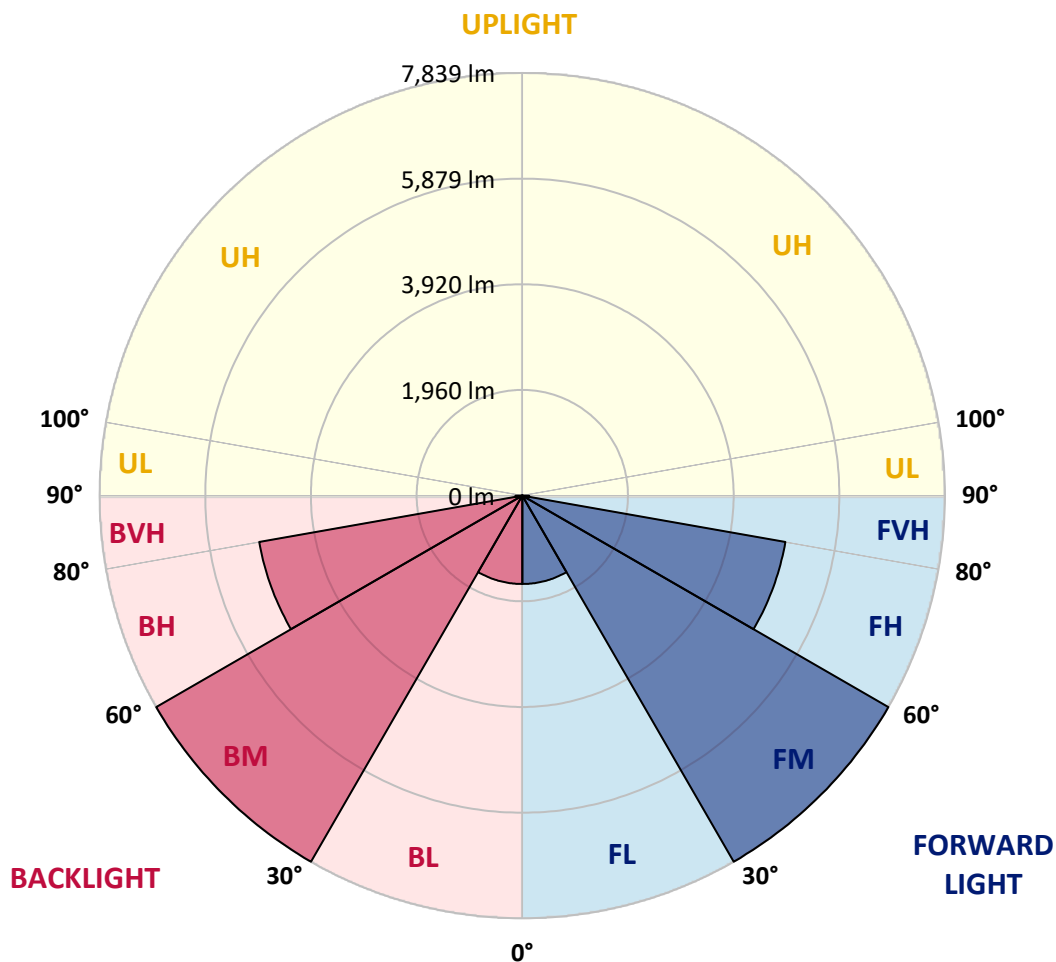
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1638.2	5.6			
FM	(30°-60°)	7839.1	26.9			
FH	(60°-80°)	4953.8	17.0			G2/5000
FVH	(80°-90°)	126.3	0.4			G2/225
BL	(0°-30°)	1638.2	5.6	B3/2500		
BM	(30°-60°)	7839.1	26.9	B4/8500		
BH	(60°-80°)	4953.8	17.0	B4/5000		G4/5000
BVH	(80°-90°)	126.3	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5	3049.5
2.5°	3033.9	3037.1	3040.2	3044.9	3051.1	3060.5	3066.7	3071.4	3083.9	3085.4	3083.9
5°	3023.0	3026.1	3033.9	3048.0	3068.3	3096.3	3118.2	3144.7	3165.0	3179.0	3175.9
7.5°	3021.5	3027.7	3040.2	3069.8	3108.8	3157.2	3207.1	3252.3	3291.3	3322.5	3317.8
10°	3046.4	3054.2	3074.5	3118.2	3179.0	3249.2	3319.4	3386.5	3442.6	3483.2	3497.2
12.5°	3088.5	3094.8	3132.2	3197.7	3285.1	3372.4	3452.0	3534.7	3612.7	3681.3	3681.3
15°	3161.8	3172.8	3219.6	3314.7	3422.3	3523.7	3604.9	3692.2	3776.4	3854.4	3877.8
17.5°	3263.2	3278.8	3349.0	3470.7	3608.0	3701.6	3778.0	3849.8	3923.1	3997.9	4008.9
20°	3402.1	3417.7	3511.3	3657.9	3820.1	3932.4	3983.9	4001.1	4036.9	4108.7	4118.0
22.5°	3590.8	3606.4	3710.9	3876.3	4057.2	4178.9	4200.7	4160.2	4150.8	4207.0	4213.2
25°	3804.5	3818.6	3938.7	4116.5	4303.7	4436.3	4430.0	4330.2	4274.0	4308.4	4317.7
27.5°	4044.7	4065.0	4186.7	4370.7	4573.5	4690.5	4671.8	4526.7	4406.6	4400.4	4403.5
30°	4352.0	4373.9	4489.3	4665.6	4865.2	4972.9	4933.9	4738.9	4553.3	4490.9	4490.9
32.5°	4676.5	4731.1	4848.1	5032.1	5188.1	5266.1	5206.8	4972.9	4726.4	4639.0	4634.4
35°	5099.2	5128.8	5244.3	5423.7	5540.6	5601.5	5487.6	5236.5	4952.6	4849.6	4835.6
37.5°	5512.6	5537.5	5671.7	5843.3	5985.2	5982.1	5827.7	5550.0	5233.4	5117.9	5108.6
40°	5935.3	5961.8	6114.7	6272.2	6414.2	6401.7	6214.5	5904.1	5567.2	5437.7	5462.7
42.5°	6301.9	6331.5	6504.6	6729.3	6857.2	6854.1	6637.2	6287.8	5936.9	5821.4	5843.3
45°	6635.7	6662.2	6863.4	7120.8	7308.0	7331.4	7094.3	6724.6	6364.3	6216.1	6222.3
47.5°	6871.2	6921.1	7131.7	7426.5	7680.8	7763.5	7531.0	7169.1	6754.2	6599.8	6609.2
50°	7050.6	7081.8	7311.1	7646.5	7967.8	8139.4	7952.2	7581.0	7144.2	6980.4	7002.2
52.5°	7072.4	7109.9	7359.5	7746.3	8158.1	8418.6	8326.6	7983.4	7542.0	7373.5	7420.3
55°	6894.6	6916.4	7214.4	7683.9	8233.0	8626.1	8649.5	8357.8	7921.0	7793.1	7824.3
57.5°	6387.7	6443.8	6821.3	7392.2	8130.0	8736.8	8891.2	8697.8	8304.7	8178.4	8228.3
60°	5556.2	5612.4	5991.4	6715.2	7741.6	8685.3	9090.9	8998.9	8652.6	8551.2	8577.7
62.5°	4353.6	4348.9	4818.4	5706.0	6969.5	8432.6	9239.1	9289.0	8995.8	8867.8	8908.4
65°	2821.8	2835.8	3289.8	4246.0	5804.3	7790.0	9271.8	9658.7	9332.7	9139.3	9168.9
66°	2269.6	2311.7	2697.0	3578.3	5210.0	7368.8	9173.6	9767.9	9435.6	9201.7	9215.7
67.5°	1675.3	1667.5	1984.2	2664.3	4160.2	6568.6	8866.3	9836.5	9552.6	9257.8	9264.0
70°	956.2	954.6	1066.9	1463.2	2445.9	4625.0	7473.3	9507.4	9789.7	9460.6	9443.4
72.5°	698.8	694.1	709.7	808.0	1193.3	2335.1	5155.4	8309.4	9668.1	9427.8	9379.5
75°	586.5	583.4	580.3	592.7	669.2	1057.6	2736.0	5977.4	8389.0	8849.1	8799.2
77.5°	478.9	478.9	480.4	477.3	480.4	556.9	1134.0	3204.0	5108.6	5702.9	5841.7
80°	374.4	372.8	399.3	388.4	363.4	357.2	502.3	1031.1	1695.6	1686.2	1391.4
82.5°	276.1	257.4	304.2	296.4	268.3	227.7	293.3	439.9	566.2	368.1	273.0
85°	174.7	173.1	215.3	196.5	163.8	107.6	140.4	188.7	234.0	141.9	115.4
87.5°	31.2	29.6	68.6	49.9	49.9	31.2	39.0	51.5	76.4	53.0	39.0
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)