

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: P650972

Luminaire Tested: **GALN-SA6C-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34999.1 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

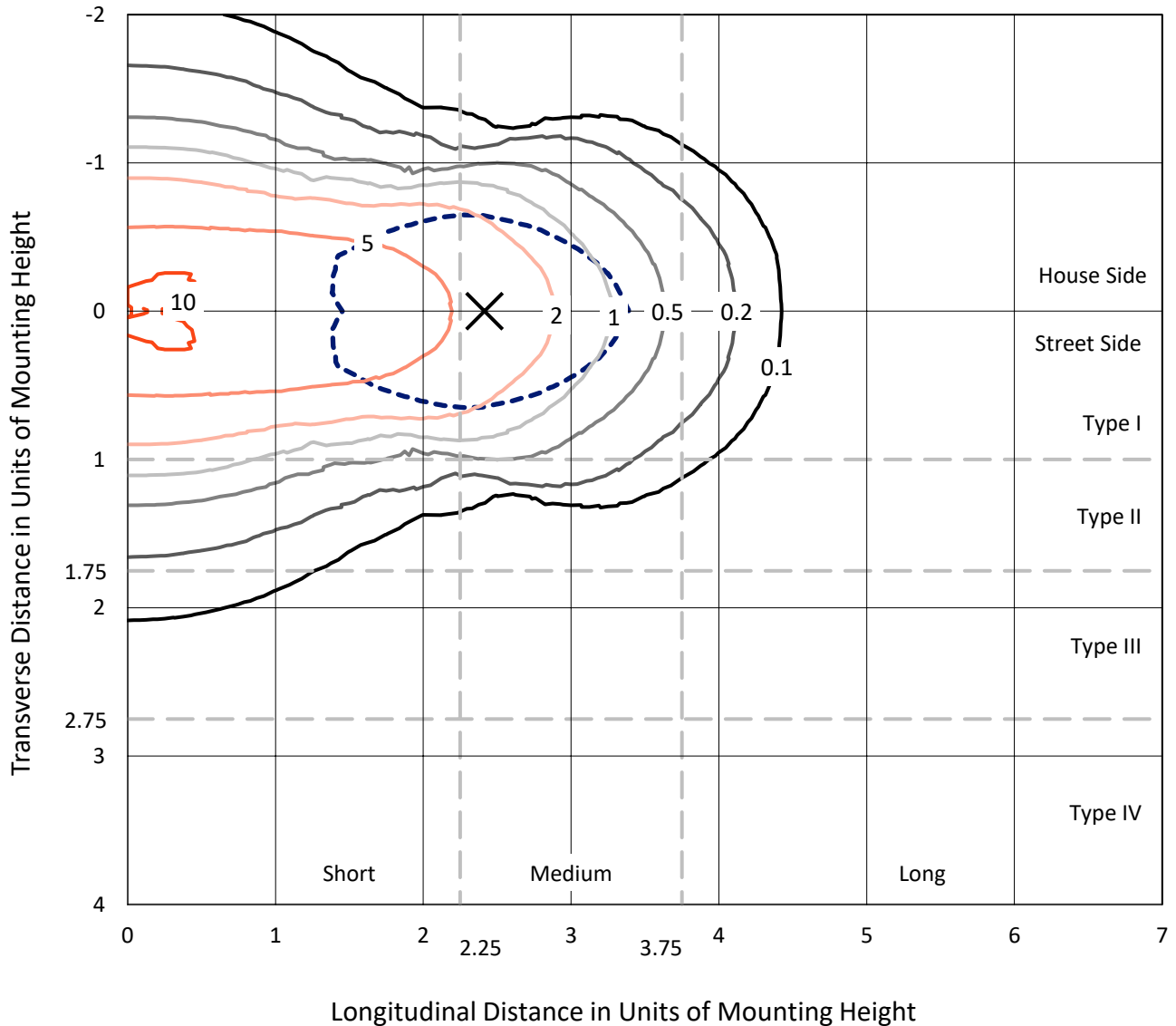
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

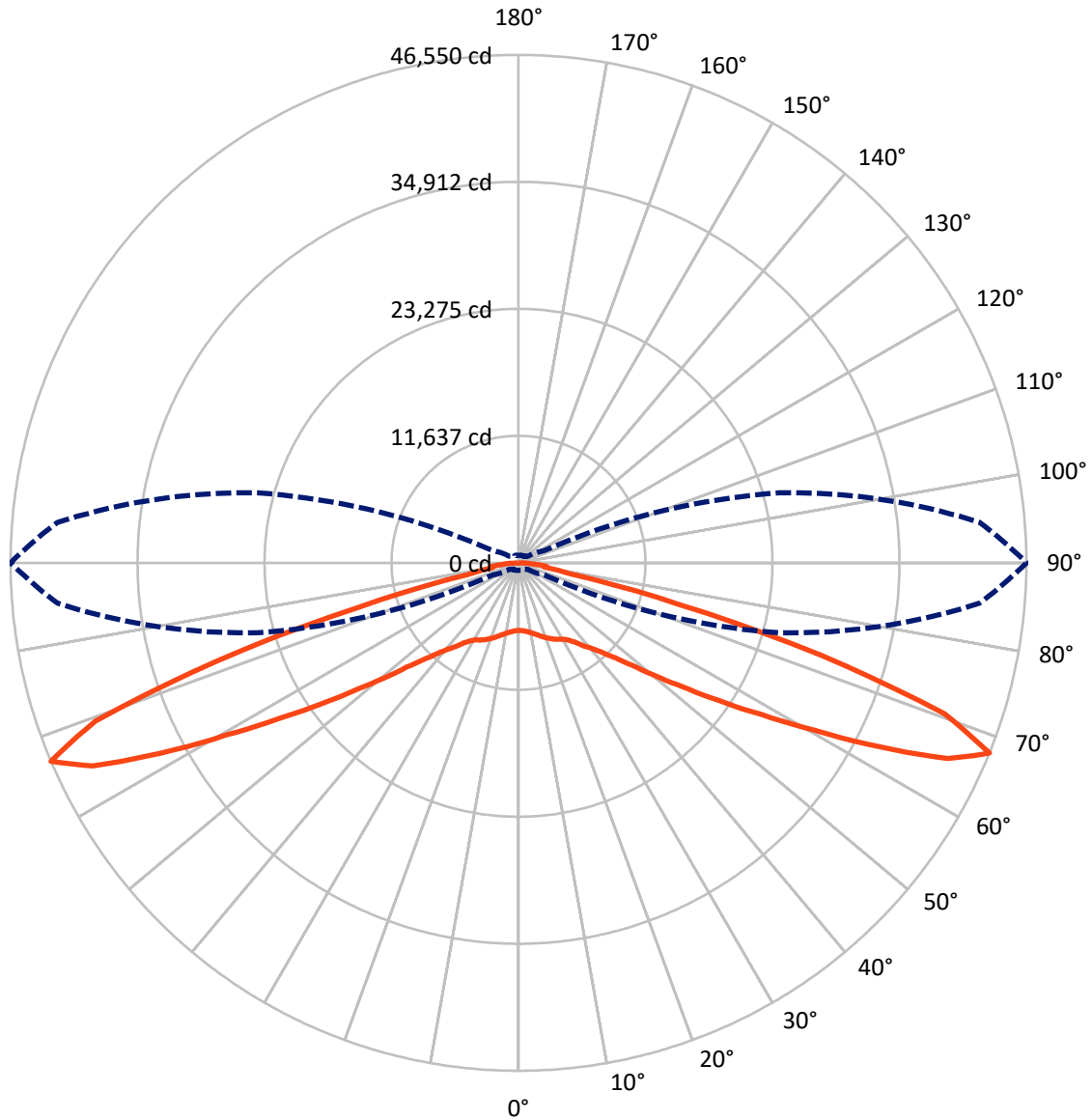
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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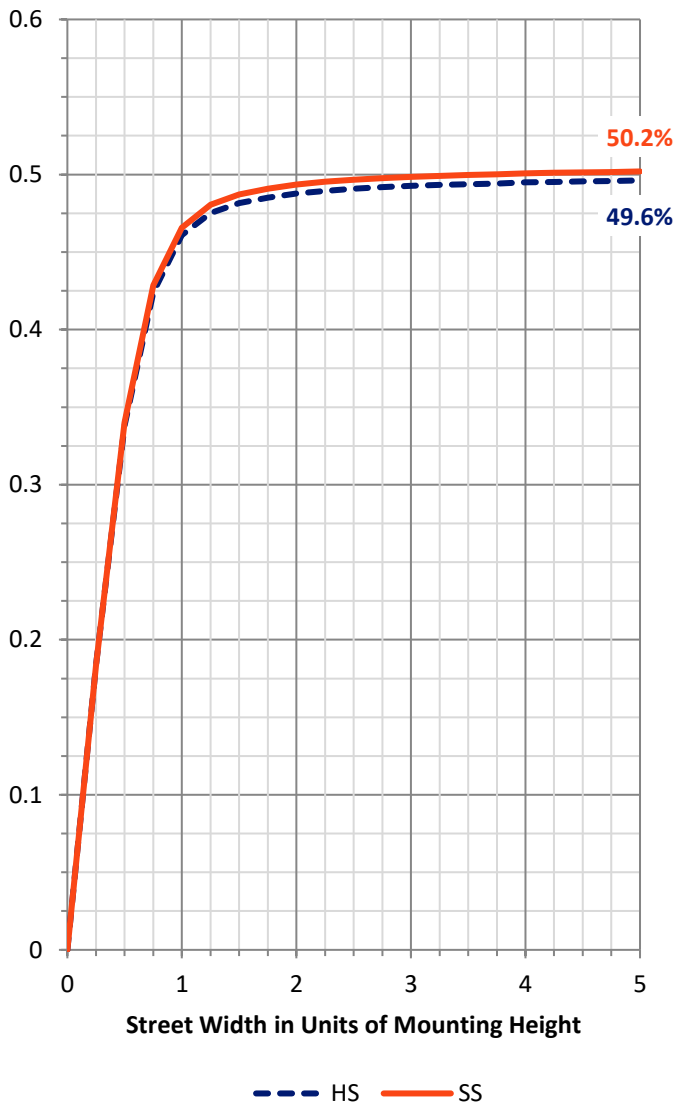
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17499.5	0.0	17499.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17499.5	0.0	17499.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34999.1	0.0	34999.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.7	1.8
10°-20°	1976.4	5.6
20°-30°	3308.0	9.5
30°-40°	4481.5	12.8
40°-50°	5676.5	16.2
50°-60°	7091.4	20.3
60°-70°	8335.6	23.8
70°-80°	3188.8	9.1
80°-90°	323.0	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°	34999.1	100.0
0°-180°	34999.1	100.0

Coefficient of Utilization

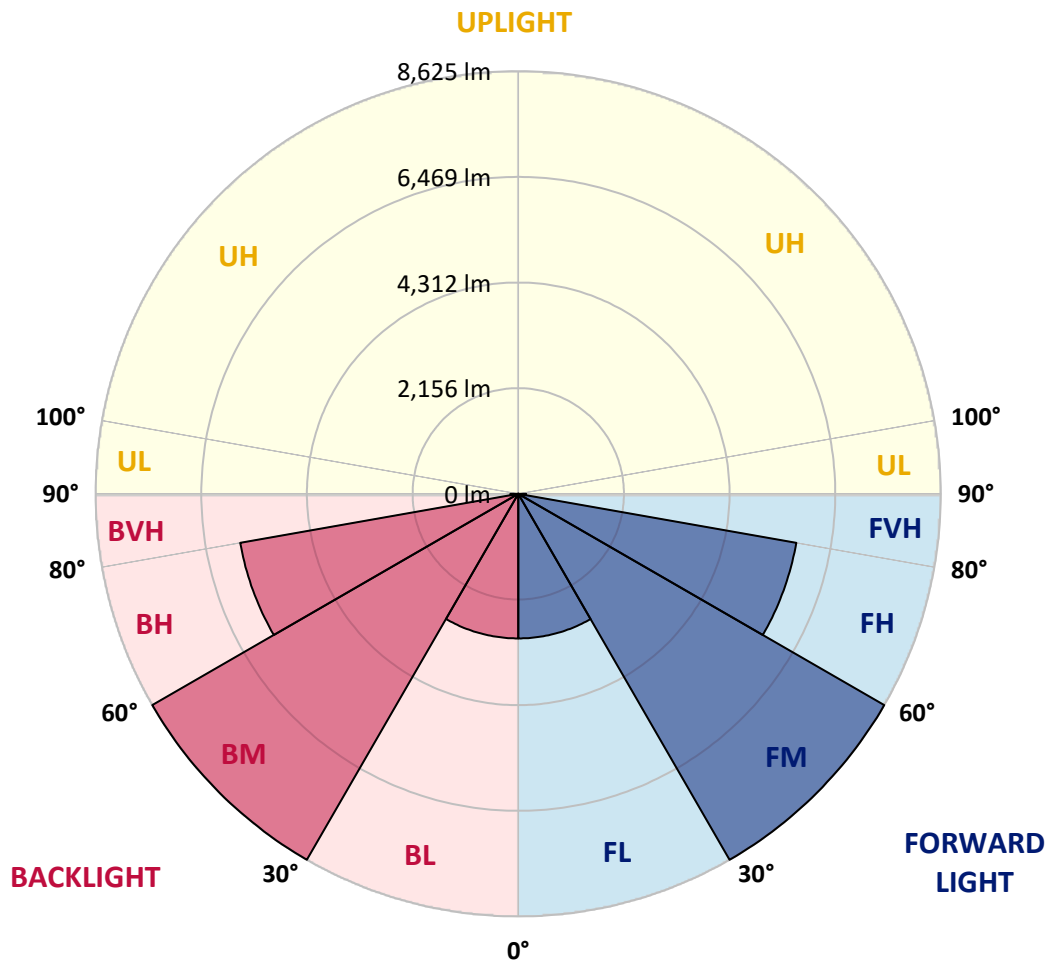


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2951.1	8.4			
FM (30°-60°)	8624.7	24.6			
FH (60°-80°)	5762.2	16.5			G3/7500
FVH (80°-90°)	161.5	0.5			G2/225
BL (0°-30°)	2951.1	8.4	B4/5000		
BM (30°-60°)	8624.7	24.6	B5		
BH (60°-80°)	5762.2	16.5	B5		G5
BVH (80°-90°)	161.5	0.5			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9	6195.9
2.5°	6275.4	6271.5	6273.4	6271.5	6277.3	6273.4	6250.2	6230.8	6215.3	6217.3	6211.5
5°	6409.1	6411.0	6413.0	6403.3	6416.8	6409.1	6372.3	6341.3	6310.3	6298.7	6294.8
7.5°	6519.6	6529.3	6535.1	6544.7	6568.0	6568.0	6548.6	6504.0	6436.3	6397.5	6395.6
10°	6630.0	6637.8	6655.3	6686.3	6725.0	6761.8	6754.1	6694.0	6606.8	6540.9	6525.4
12.5°	6668.8	6678.5	6736.7	6825.8	6913.0	6984.7	6984.7	6936.2	6823.9	6723.0	6694.0
15°	6533.1	6550.5	6655.3	6845.2	7073.8	7230.8	7265.7	7197.9	7077.8	6922.7	6887.8
17.5°	6263.8	6306.4	6459.5	6740.5	7120.4	7446.0	7546.7	7513.8	7358.8	7161.0	7120.4
20°	5975.0	6021.5	6184.3	6556.4	7081.6	7571.9	7864.6	7872.3	7680.4	7393.7	7333.5
22.5°	5657.2	5692.1	5901.4	6337.4	6965.3	7601.0	8137.9	8271.6	8011.9	7626.2	7540.9
25°	5300.6	5339.3	5558.3	6029.2	6746.3	7568.1	8387.9	8682.4	8358.8	7874.3	7765.7
27.5°	4959.5	4974.9	5209.5	5688.2	6457.5	7482.8	8572.0	9060.3	8742.5	8079.7	7942.1
30°	4631.9	4668.7	4876.1	5349.0	6126.2	7316.1	8730.8	9490.6	9155.3	8294.8	8118.4
32.5°	4285.0	4329.6	4554.4	5033.1	5794.7	7066.1	8827.8	9961.6	9730.9	8643.6	8455.7
35°	3951.7	3980.7	4207.5	4672.6	5471.1	6775.4	8845.2	10492.6	10473.1	9172.8	8922.8
37.5°	3610.6	3653.2	3881.9	4327.6	5128.1	6467.3	8758.0	11056.5	11368.6	9907.3	9637.9
40°	3283.0	3319.8	3544.6	3994.3	4738.5	6091.3	8550.6	11572.1	12413.2	10663.1	10281.3
42.5°	2926.4	2936.1	3182.3	3639.7	4356.7	5655.2	8252.1	12031.3	13577.9	11676.7	11201.9
45°	2521.4	2546.5	2775.3	3224.9	3918.7	5166.9	7847.1	12411.2	15054.7	13081.8	12434.5
47.5°	2116.4	2137.7	2347.0	2790.8	3440.0	4606.7	7223.1	12744.6	16570.3	14866.7	14017.9
50°	1721.0	1732.6	1903.2	2296.6	2901.3	4017.5	6449.8	12851.2	18283.5	17393.9	16310.6
52.5°	1360.5	1378.0	1507.8	1816.0	2325.6	3321.8	5614.5	12587.6	20283.6	20390.1	18863.0
55°	1102.7	1108.5	1205.5	1432.2	1817.9	2593.1	4606.7	11853.1	22434.8	24229.4	22281.7
57.5°	949.7	953.5	1007.8	1133.8	1399.3	1955.5	3573.7	10463.5	24367.0	28727.6	26223.6
60°	862.4	864.4	895.4	969.0	1108.5	1500.0	2560.2	8502.2	26274.0	33733.6	31123.1
62.5°	808.2	808.2	829.5	870.2	938.1	1151.2	1854.7	6133.9	27580.3	38813.2	37161.9
65°	755.8	755.8	771.4	800.4	837.2	941.9	1370.2	4000.1	27547.4	42512.9	43235.8
67.5°	695.8	695.8	707.4	736.5	757.7	810.1	1058.1	2620.2	24744.9	42431.5	46549.9
70°	624.0	624.0	639.6	664.7	682.2	715.1	835.3	1792.7	18178.8	36229.8	41398.6
72.5°	552.4	554.3	564.0	589.2	602.7	622.1	693.8	1255.9	11151.5	24669.3	28946.6
75°	472.9	476.8	486.4	511.7	523.3	531.0	585.3	895.4	5641.7	13300.8	15143.9
77.5°	381.8	389.6	395.4	422.5	430.3	441.9	482.6	647.3	2476.8	4779.2	4821.9
80°	279.0	288.8	306.2	331.4	337.2	345.0	368.2	459.4	1122.1	2182.2	2370.2
82.5°	205.5	219.0	197.7	230.6	230.6	220.9	259.7	308.1	515.5	2160.9	2585.3
85°	112.4	114.4	102.7	118.2	126.0	124.0	137.6	151.1	250.0	1441.9	1486.5
87.5°	27.2	29.1	31.0	36.8	44.6	44.6	48.4	42.6	81.4	467.1	267.4
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)