

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: P650953

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650953
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-SA6C-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36173.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

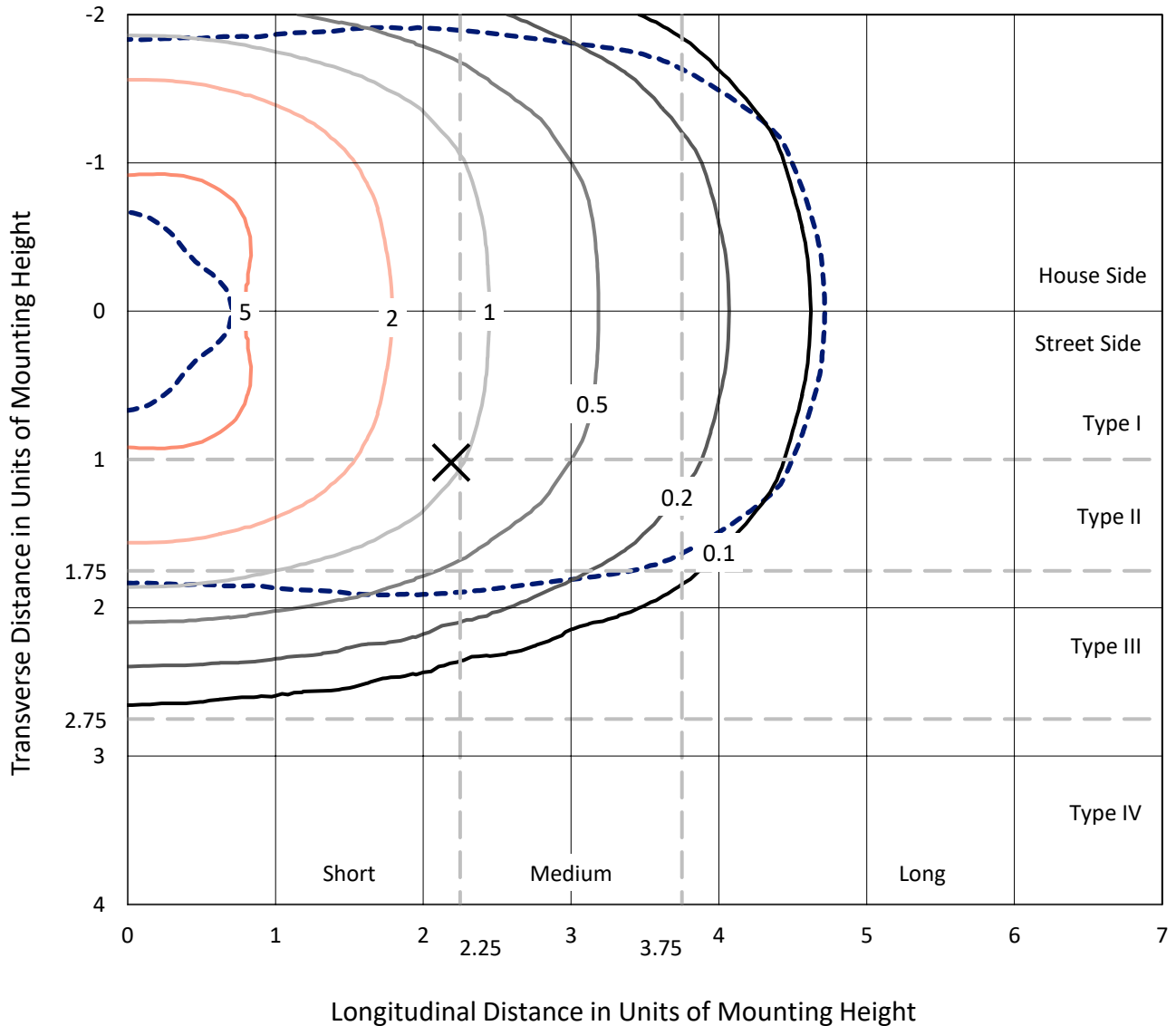
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

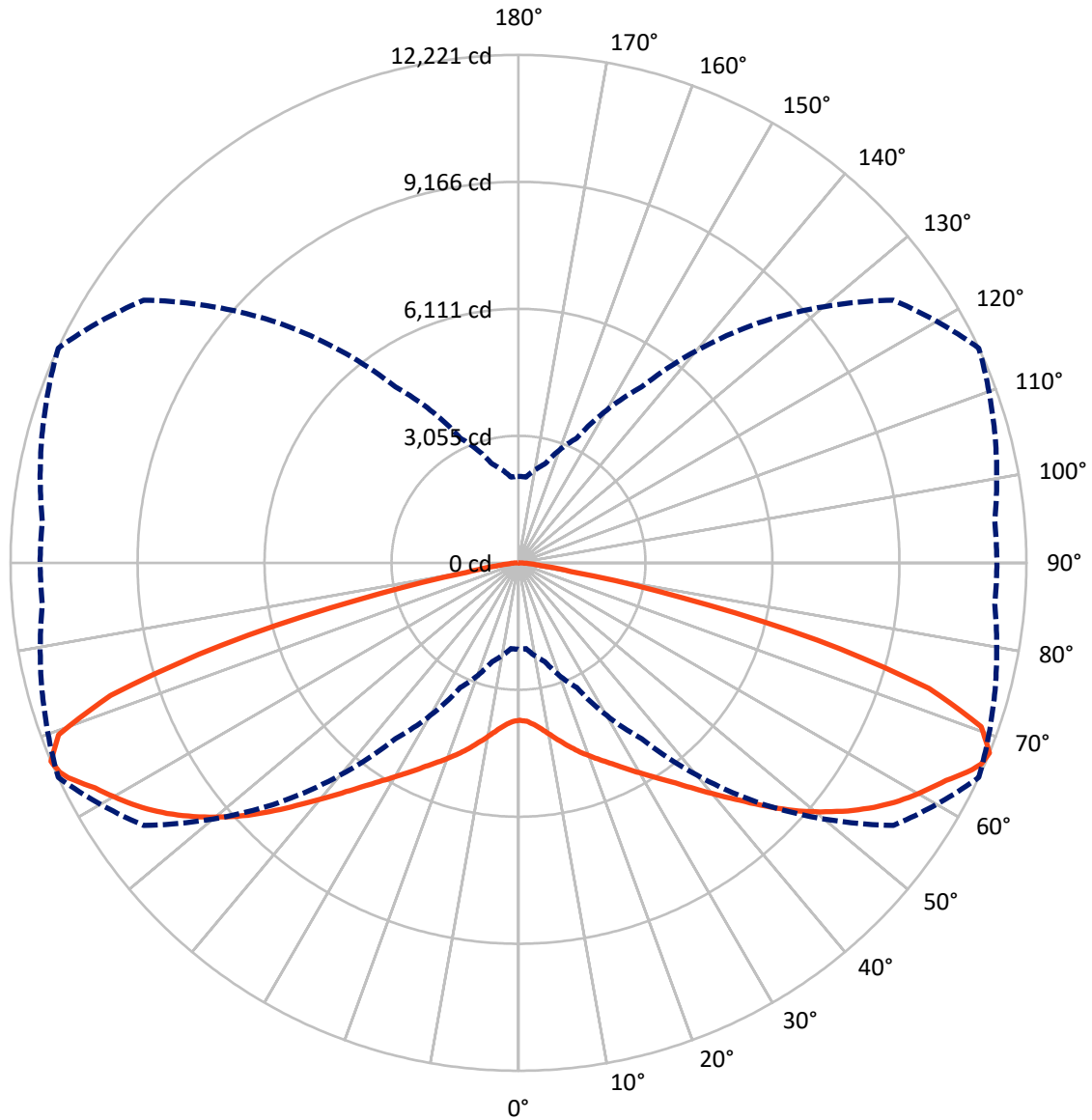
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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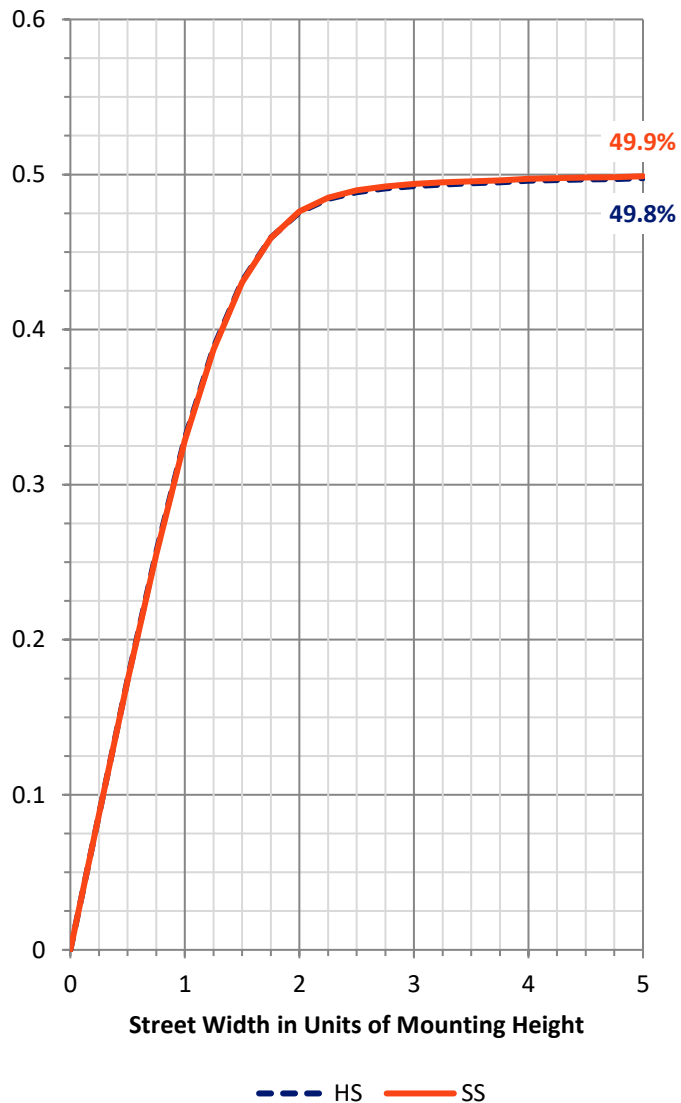
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18087.0	0.0	18087.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18087.0	0.0	18087.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36173.9	0.0	36173.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.7	1.0
10°-20°	1250.7	3.5
20°-30°	2446.5	6.8
30°-40°	4161.1	11.5
40°-50°	6585.8	18.2
50°-60°	8732.6	24.1
60°-70°	8237.5	22.8
70°-80°	4072.2	11.3
80°-90°	313.8	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°	36173.9	100.0
0°-180°	36173.9	100.0

Coefficient of Utilization

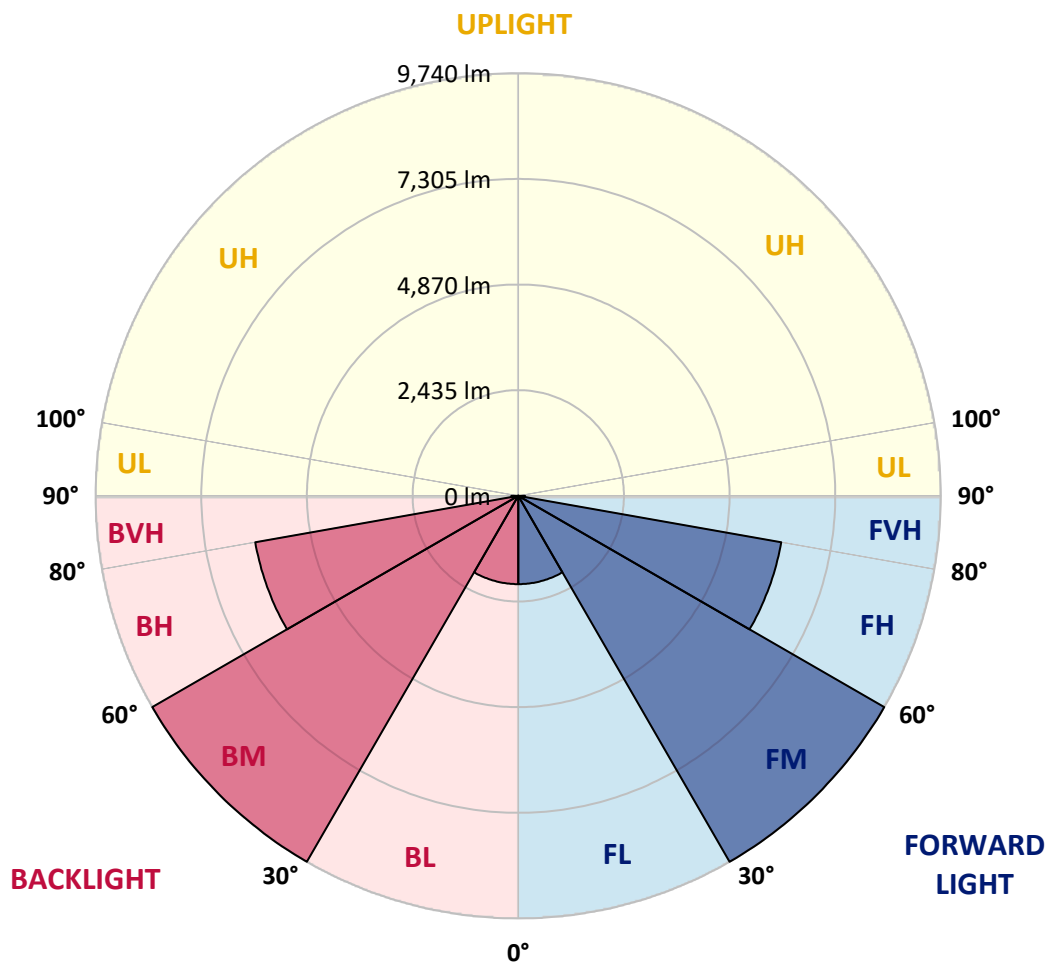


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2035.4	5.6			
FM (30°-60°)	9739.7	26.9			
FH (60°-80°)	6154.9	17.0			G3/7500
FVH (80°-90°)	156.9	0.4			G2/225
BL (0°-30°)	2035.4	5.6	B3/2500		
BM (30°-60°)	9739.7	26.9	B5		
BH (60°-80°)	6154.9	17.0	B5		G5
BVH (80°-90°)	156.9	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°	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9	3788.9
2.5°	3769.5	3773.4	3777.3	3783.1	3790.8	3802.5	3810.2	3816.0	3831.5	3833.4	3831.5
5°	3756.0	3759.9	3769.5	3786.9	3812.2	3847.1	3874.2	3907.1	3932.3	3949.8	3945.9
7.5°	3754.1	3761.8	3777.3	3814.1	3862.5	3922.6	3984.7	4040.8	4089.3	4128.0	4122.2
10°	3785.0	3794.7	3819.9	3874.2	3949.8	4037.0	4124.2	4207.5	4277.3	4327.7	4345.1
12.5°	3837.3	3845.1	3891.6	3973.1	4081.5	4190.1	4288.9	4391.6	4488.5	4573.8	4573.8
15°	3928.5	3942.0	4000.1	4118.4	4252.1	4378.1	4478.8	4587.4	4692.0	4788.9	4818.0
17.5°	4054.4	4073.8	4161.0	4312.1	4482.7	4599.0	4694.0	4783.1	4874.2	4967.2	4980.8
20°	4226.9	4246.3	4362.6	4544.8	4746.3	4885.9	4949.8	4971.2	5015.7	5104.9	5116.5
22.5°	4461.4	4480.8	4610.6	4816.1	5040.9	5192.1	5219.2	5168.8	5157.2	5226.9	5234.7
25°	4726.9	4744.3	4893.6	5114.5	5347.1	5511.8	5504.1	5380.0	5310.2	5352.9	5364.6
27.5°	5025.4	5050.5	5201.8	5430.4	5682.4	5827.7	5804.5	5624.3	5475.0	5467.3	5471.1
30°	5407.2	5434.3	5577.8	5796.8	6044.8	6178.5	6130.0	5887.8	5657.2	5579.7	5579.7
32.5°	5810.3	5878.1	6023.5	6252.2	6446.0	6542.9	6469.2	6178.5	5872.3	5763.8	5758.0
35°	6335.5	6372.3	6515.7	6738.6	6884.0	6959.5	6818.1	6506.1	6153.3	6025.4	6007.9
37.5°	6849.1	6880.1	7046.7	7259.9	7436.3	7432.4	7240.6	6895.6	6502.2	6358.8	6347.1
40°	7374.3	7407.3	7597.2	7793.0	7969.3	7953.8	7721.2	7335.5	6916.9	6756.1	6787.0
42.5°	7829.7	7866.5	8081.7	8360.8	8519.7	8515.8	8246.4	7812.3	7376.2	7232.9	7259.9
45°	8244.5	8277.5	8527.5	8847.2	9079.8	9108.9	8814.3	8355.0	7907.3	7723.2	7730.9
47.5°	8537.2	8599.1	8860.8	9227.1	9543.0	9645.7	9357.0	8907.3	8391.8	8199.9	8211.5
50°	8760.0	8798.8	9083.6	9500.4	9899.6	10112.8	9880.2	9418.9	8876.3	8672.8	8700.0
52.5°	8787.2	8833.7	9143.8	9624.4	10136.1	10459.7	10345.3	9919.0	9370.5	9161.2	9219.3
55°	8566.2	8593.3	8963.5	9546.9	10229.1	10717.5	10746.6	10384.1	9841.5	9682.5	9721.3
57.5°	7936.3	8006.2	8475.1	9184.5	10101.2	10855.0	11047.0	10806.6	10318.2	10161.2	10223.3
60°	6903.3	6973.2	7444.1	8343.3	9618.6	10791.1	11295.0	11180.7	10750.4	10624.4	10657.4
62.5°	5409.1	5403.3	5986.7	7089.4	8659.3	10477.1	11479.1	11541.1	11176.8	11017.9	11068.2
65°	3506.0	3523.4	4087.3	5275.4	7211.5	9678.6	11519.8	12000.5	11595.4	11355.1	11391.9
66°	2819.9	2872.2	3350.9	4445.9	6473.1	9155.4	11397.7	12136.1	11723.3	11432.6	11450.0
67.5°	2081.5	2071.8	2465.2	3310.2	5168.8	8161.1	11015.9	12221.4	11868.7	11502.4	11510.1
70°	1188.0	1186.1	1325.7	1817.9	3038.9	5746.3	9285.2	11812.4	12163.2	11754.3	11733.0
72.5°	868.2	862.4	881.8	1003.9	1482.6	2901.3	6405.3	10324.0	12012.1	11713.6	11653.6
75°	728.7	724.9	721.0	736.5	831.4	1314.0	3399.3	7426.6	10422.8	10994.6	10932.6
77.5°	595.0	595.0	596.9	593.1	596.9	691.9	1408.9	3980.8	6347.1	7085.5	7258.0
80°	465.2	463.2	496.1	482.6	451.5	443.8	624.0	1281.1	2106.7	2095.0	1728.8
82.5°	343.0	319.7	377.9	368.2	333.4	283.0	364.3	546.6	703.5	457.4	339.2
85°	217.1	215.1	267.4	244.2	203.5	133.7	174.4	234.5	290.7	176.4	143.4
87.5°	38.8	36.8	85.3	62.0	62.0	38.8	48.4	63.9	94.9	65.9	48.4
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)