

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: P647149

Luminaire Tested: **GALN-SA9C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26030.8 lumens
Efficiency: N/A
Efficacy: 54.1 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

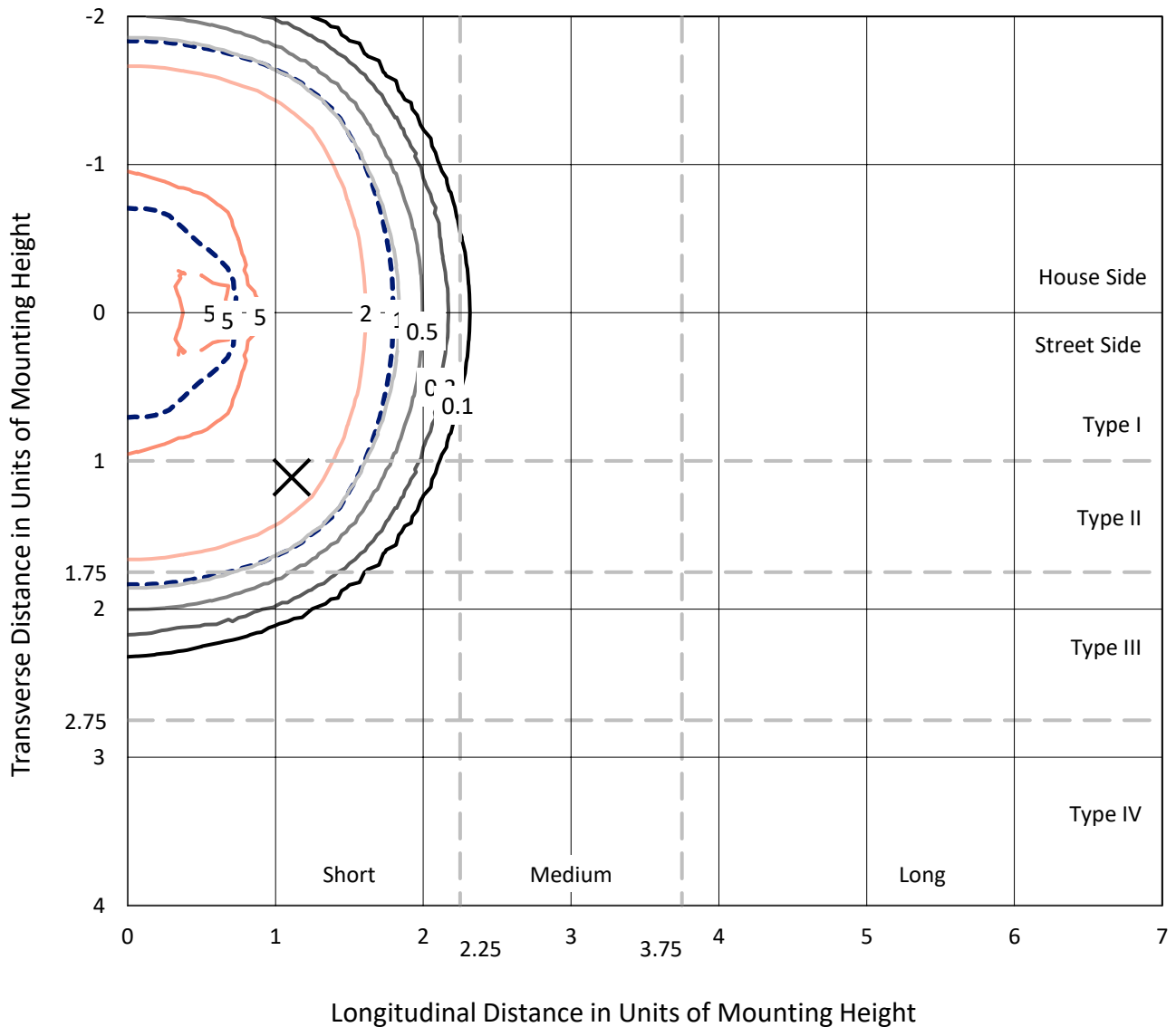
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

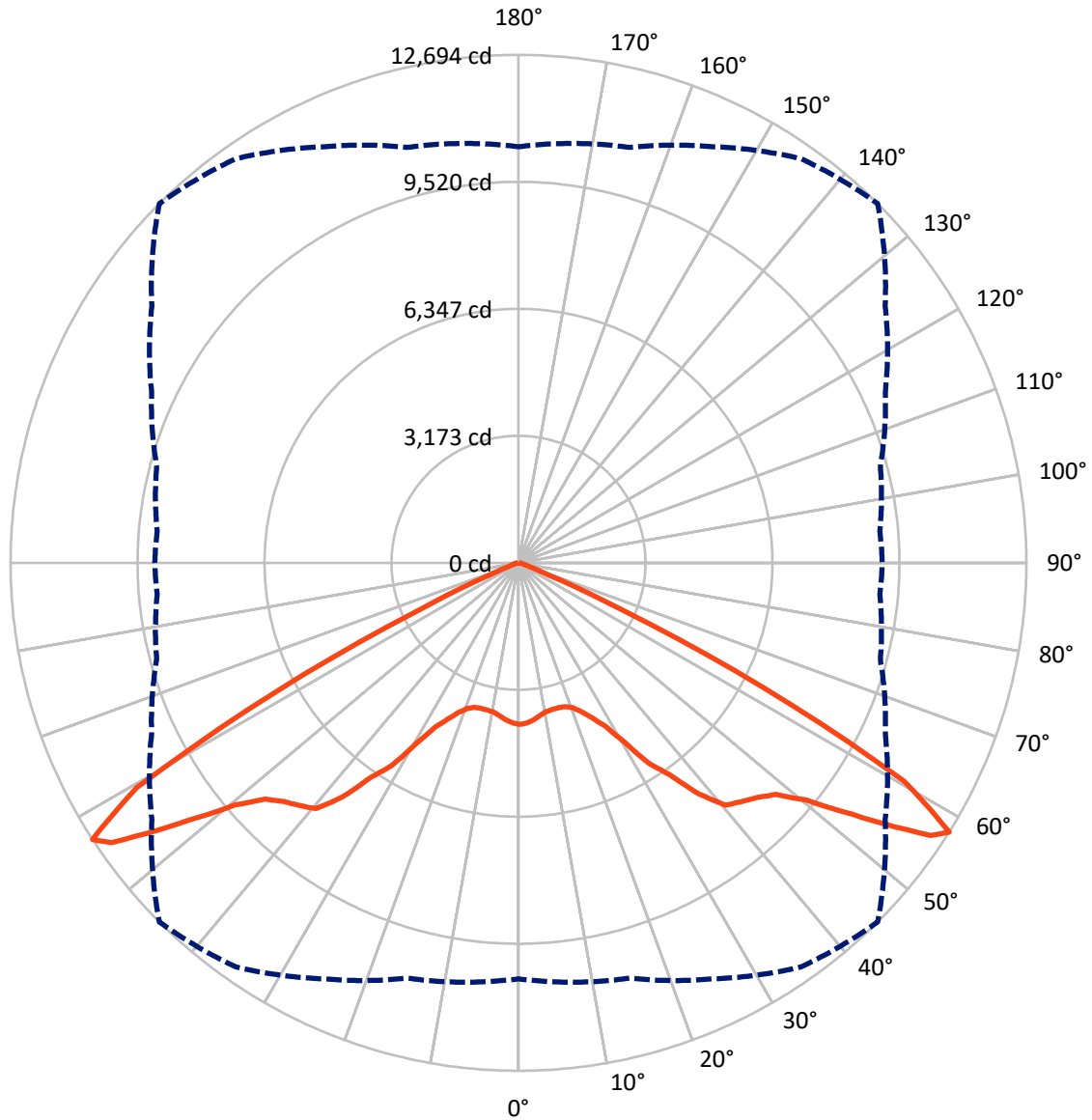
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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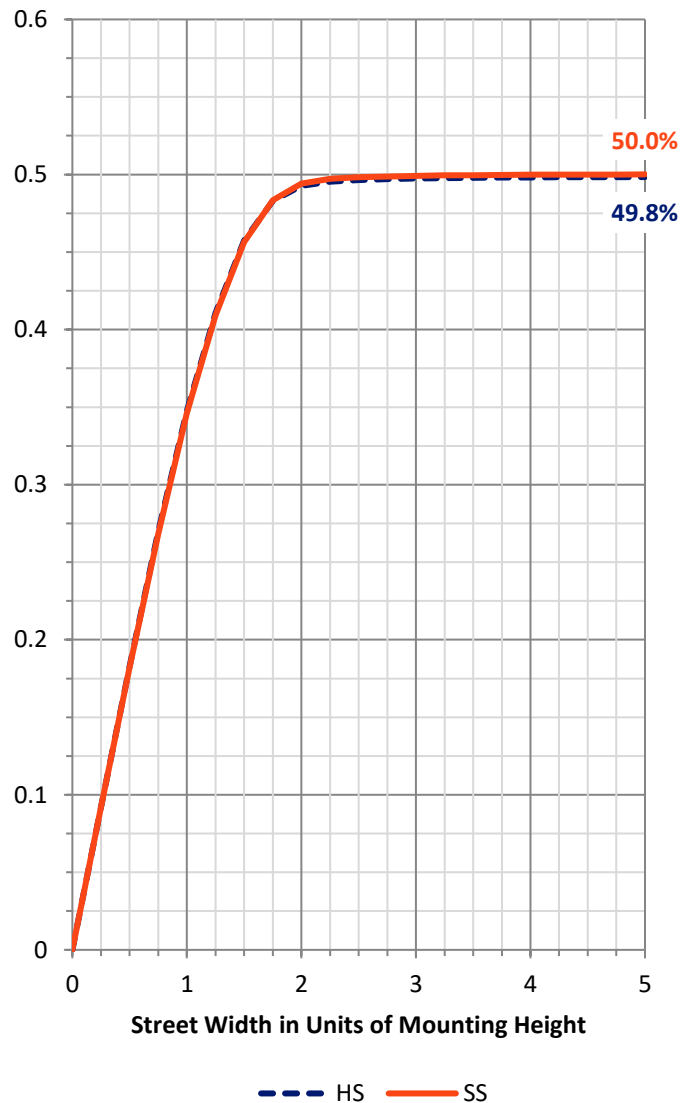
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13015.4	0.0	13015.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13015.4	0.0	13015.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	26030.8	0.0	26030.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.0	1.4
10°-20°	1072.5	4.1
20°-30°	1979.6	7.6
30°-40°	3893.2	15.0
40°-50°	6341.0	24.4
50°-60°	9043.0	34.7
60°-70°	3130.9	12.0
70°-80°	168.0	0.6
80°-90°	31.6	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°	26030.8	100.0
0°-180°	26030.8	100.0

Coefficient of Utilization

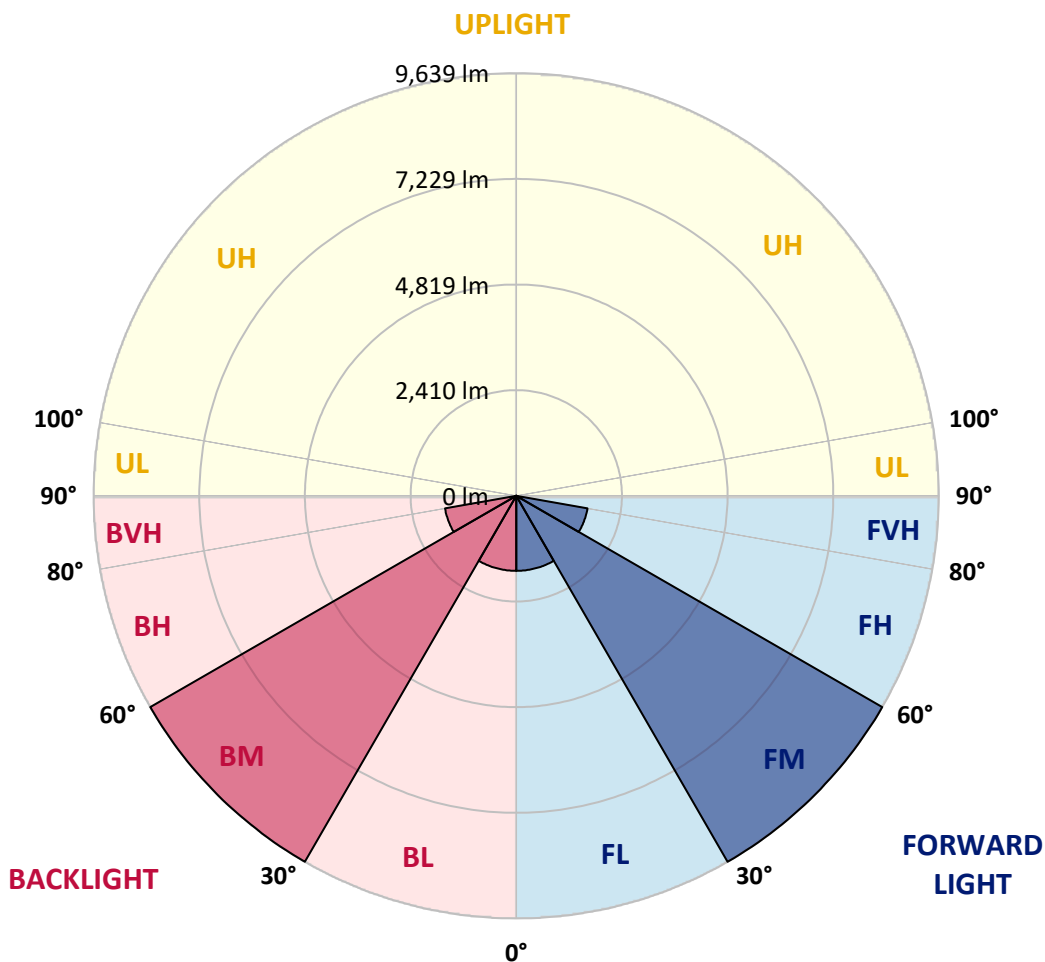


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1711.6	6.6			
FM (30°-60°)	9638.6	37.0			
FH (60°-80°)	1649.4	6.3			G1/1800
FVH (80°-90°)	15.8	0.1			G1/100
BL (0°-30°)	1711.6	6.6	B3/2500		
BM (30°-60°)	9638.6	37.0	B5		
BH (60°-80°)	1649.4	6.3	B3/2500		G1/1800
BVH (80°-90°)	15.8	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°	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6	4037.6
2.5°	4026.8	4048.5	4021.4	4010.5	4005.1	4005.1	3988.8	3988.8	3983.4	3988.8	3967.1
5°	3961.7	3983.4	3983.4	3978.0	3945.4	3940.0	3923.7	3912.8	3918.3	3896.5	3912.8
7.5°	3896.5	3912.8	3891.1	3885.7	3874.8	3853.1	3847.7	3798.9	3804.3	3804.3	3815.2
10°	3885.7	3880.2	3847.7	3820.6	3788.0	3782.6	3766.3	3755.4	3755.4	3750.0	3766.3
12.5°	3885.7	3858.5	3853.1	3793.5	3739.1	3760.9	3717.4	3690.4	3728.3	3739.1	3760.9
15°	3880.2	3907.4	3815.2	3788.0	3750.0	3755.4	3717.4	3690.4	3712.0	3722.9	3739.1
17.5°	3912.8	3896.5	3869.4	3815.2	3798.9	3777.2	3728.3	3706.6	3706.6	3733.7	3739.1
20°	3999.6	3956.3	3902.0	3874.8	3891.1	3864.0	3804.3	3722.9	3744.6	3766.3	3782.6
22.5°	4081.1	4048.5	4010.5	3994.2	4086.5	4043.1	3940.0	3847.7	3815.2	3853.1	3880.2
25°	4238.5	4238.5	4167.9	4189.6	4292.7	4298.1	4178.8	4015.9	3994.2	4010.5	4021.4
27.5°	4558.6	4574.9	4515.2	4536.9	4580.3	4618.4	4515.2	4379.6	4330.7	4325.3	4341.6
30°	4906.0	4938.5	4933.1	5025.4	5150.2	5171.9	5020.0	4797.4	4650.9	4623.8	4645.5
32.5°	5361.8	5378.1	5367.2	5475.8	5812.3	5969.7	5573.5	5258.7	5063.3	5112.2	5063.3
35°	6219.3	6203.0	6083.6	6105.4	6382.1	6496.1	6116.2	5915.4	5823.1	5920.8	5899.1
37.5°	6957.3	6897.7	6800.0	6941.1	7228.7	7331.9	6935.7	6582.9	6414.6	6577.4	6648.0
40°	7581.5	7429.5	7293.8	7434.9	7820.2	7961.3	7380.6	7093.0	7027.9	7147.3	7299.3
42.5°	8107.9	8010.2	7831.1	7842.0	8097.0	8162.1	7695.4	7527.2	7462.1	7652.0	7728.0
45°	8482.3	8390.1	8221.8	8211.0	8406.4	8362.9	7945.1	7831.1	7869.1	7993.9	8031.9
47.5°	8672.3	8721.1	8623.4	8650.6	8753.7	8650.6	8319.5	8319.5	8232.7	8308.6	8270.7
50°	9220.4	9068.5	9193.3	9193.3	9301.8	9312.7	8981.6	8862.2	8628.9	8498.6	8498.6
52.5°	9860.8	9871.6	9920.5	10099.6	10284.1	10441.5	9969.3	9459.2	9068.5	8900.2	8878.5
55°	10387.2	10495.7	10691.1	11027.5	11559.4	11776.5	10962.5	10050.7	9573.1	9312.7	9258.3
56°	10674.8	10571.7	10908.2	11369.5	12064.2	12346.3	11125.3	10170.2	9643.7	9350.7	9345.2
57.5°	10398.1	10512.0	10745.3	11472.6	12324.7	12693.7	11184.9	10115.8	9361.5	9063.0	9090.2
60°	8211.0	8319.5	8634.3	9448.3	10783.4	11071.0	9464.6	8341.2	7668.3	7239.5	7245.0
62.5°	4645.5	4726.9	4971.1	5725.5	6555.7	6832.5	5899.1	5150.2	4683.4	4444.7	4368.7
65°	1709.5	1677.0	1714.9	2100.2	2610.4	2843.7	2453.0	2073.1	1828.9	1742.0	1709.5
67.5°	640.4	591.6	553.6	591.6	743.5	786.9	721.8	602.4	564.4	580.7	591.6
70°	396.2	374.4	298.5	282.2	276.8	271.3	287.6	303.9	347.3	407.0	417.9
72.5°	276.8	260.5	211.6	200.8	190.0	184.6	211.6	233.3	271.3	314.8	320.2
75°	108.5	114.0	108.5	119.4	124.8	130.2	152.0	168.3	184.6	184.6	179.1
77.5°	21.7	21.7	32.6	43.4	54.3	70.5	103.1	119.4	124.8	119.4	103.1
80°	0.0	0.0	10.9	21.7	43.4	59.7	92.2	103.1	114.0	103.1	81.4
82.5°	0.0	0.0	10.9	27.2	43.4	54.3	86.8	108.5	124.8	114.0	86.8
85°	0.0	0.0	10.9	21.7	32.6	38.0	38.0	27.2	27.2	16.3	10.9
87.5°	0.0	0.0	0.0	0.0	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)