

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: P647033

Luminaire Tested: **GALN-SA7C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23010.8 lumens
Efficiency: N/A
Efficacy: 61.0 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

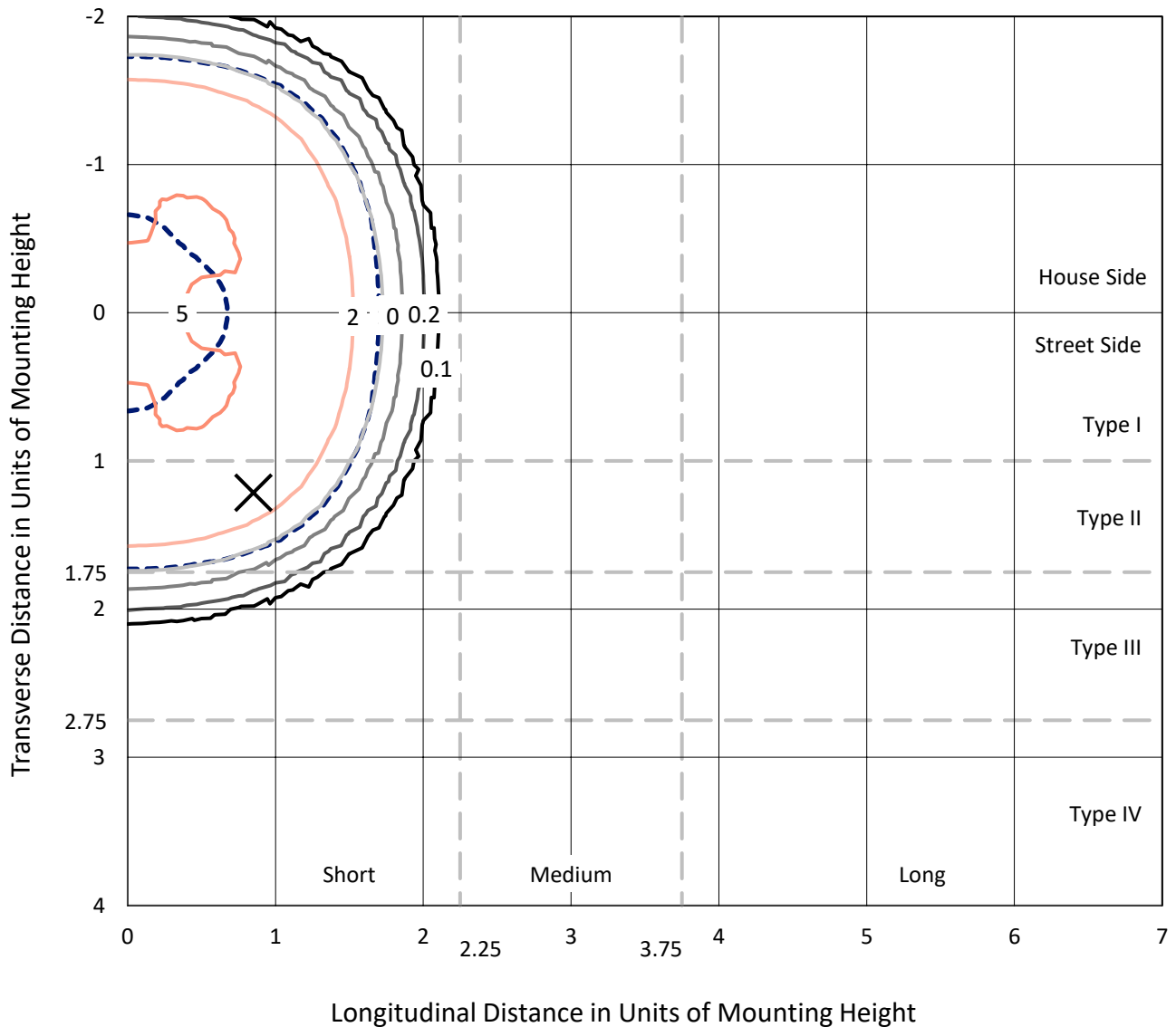
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

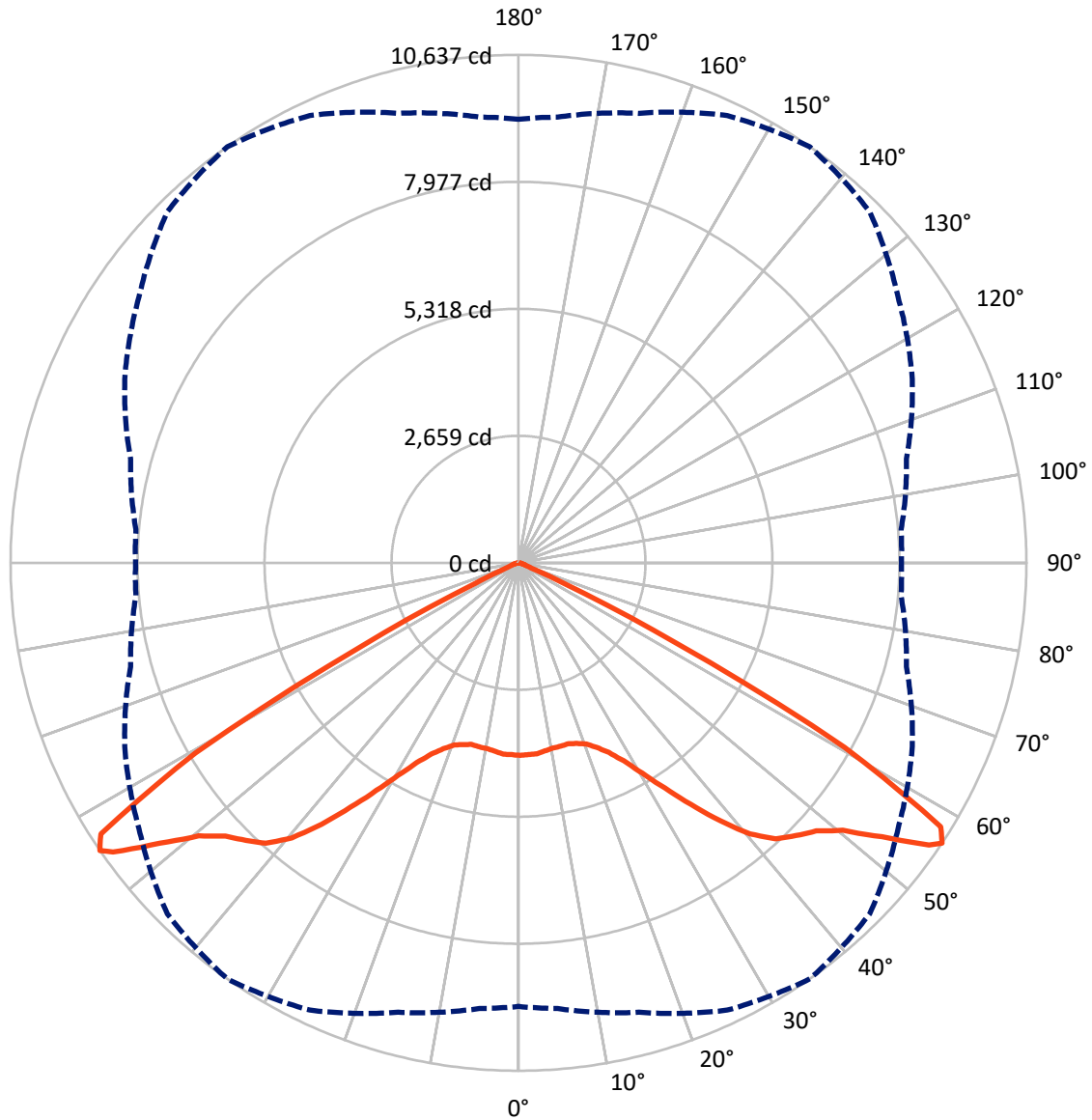
× Max cd
 - - - 1/2 Max cd



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 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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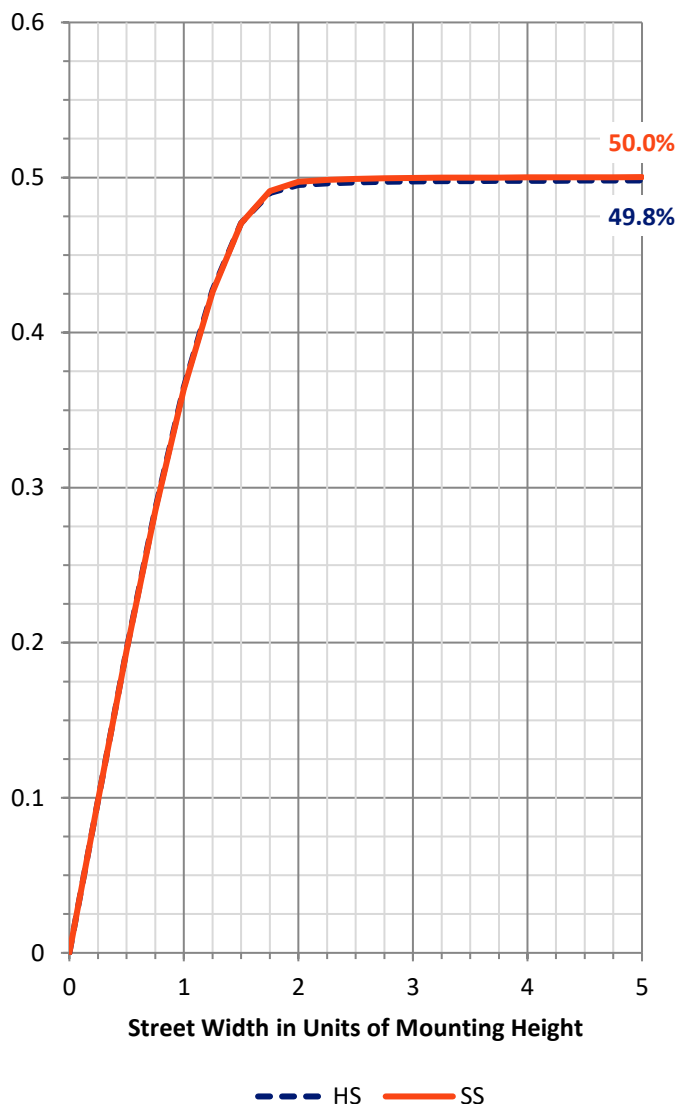
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11505.4	0.0	11505.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11505.4	0.0	11505.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	23010.8	0.0	23010.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.9	1.6
10°-20°	1106.3	4.8
20°-30°	2003.4	8.7
30°-40°	3715.1	16.1
40°-50°	6098.0	26.5
50°-60°	7856.1	34.1
60°-70°	1731.4	7.5
70°-80°	100.5	0.4
80°-90°	21.1	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°	23010.8	100.0
0°-180°	23010.8	100.0

Coefficient of Utilization

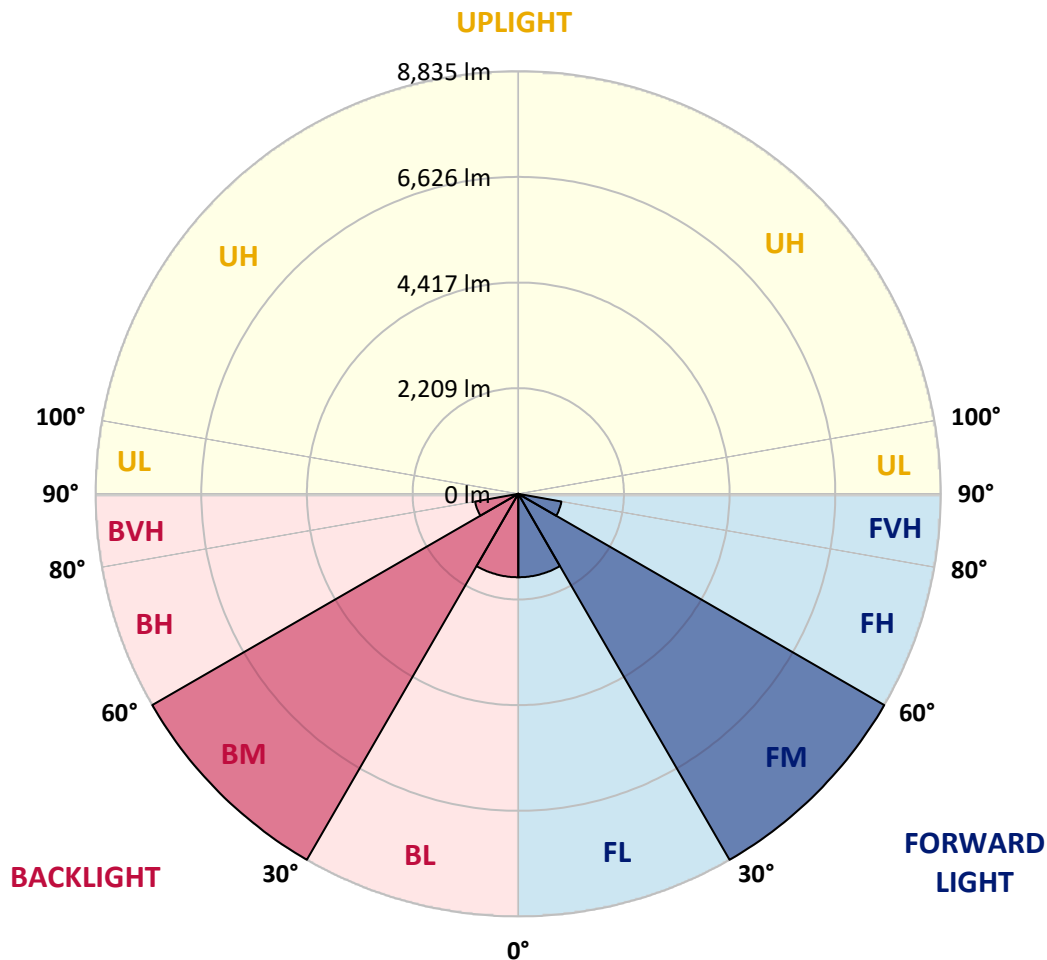


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1744.4	7.6			
FM (30°-60°)	8834.6	38.4			
FH (60°-80°)	915.9	4.0			G1/1800
FVH (80°-90°)	10.6	0.0			G1/100
BL (0°-30°)	1744.4	7.6	B3/2500		
BM (30°-60°)	8834.6	38.4	B5		
BH (60°-80°)	915.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.6	0.0			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°	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0	4032.0
2.5°	4040.4	4040.4	4044.5	4048.7	4019.5	4007.0	4011.2	4002.8	3998.6	4011.2	4011.2
5°	4027.8	4027.8	4015.3	4019.5	4019.5	3981.9	3981.9	3990.3	3990.3	3965.3	3957.0
7.5°	3994.5	3986.1	3969.4	3990.3	3977.8	3977.8	3948.6	3927.8	3919.4	3936.1	3919.4
10°	3923.6	3927.8	3944.4	3952.7	3944.4	3969.4	3919.4	3890.3	3861.1	3848.5	3848.5
12.5°	3890.3	3915.2	3890.3	3911.1	3940.3	3919.4	3890.3	3869.4	3827.7	3811.0	3811.0
15°	3886.0	3902.7	3911.1	3940.3	3927.8	3936.1	3877.7	3852.7	3790.2	3761.0	3748.5
17.5°	3881.9	3902.7	3915.2	3969.4	3977.8	3981.9	3936.1	3861.1	3806.9	3777.7	3748.5
20°	3927.8	3936.1	3961.1	4015.3	4048.7	4107.1	4023.7	3944.4	3827.7	3794.3	3781.8
22.5°	3986.1	4027.8	4052.8	4111.2	4198.8	4248.8	4140.4	4040.4	3919.4	3877.7	3827.7
25°	4173.8	4165.4	4207.1	4328.0	4398.9	4436.4	4348.9	4202.9	4044.5	3994.5	4002.8
27.5°	4407.3	4415.6	4453.1	4586.6	4690.8	4749.1	4644.9	4453.1	4298.8	4215.4	4207.1
30°	4711.6	4703.3	4745.0	4924.3	5111.9	5199.4	5016.0	4790.9	4640.8	4532.3	4557.4
32.5°	5032.7	5036.9	5153.6	5316.3	5620.6	5791.5	5495.5	5220.3	4995.1	4920.1	4882.6
35°	5508.0	5528.8	5620.6	5870.8	6208.5	6429.5	6104.3	5774.9	5516.4	5378.7	5395.4
37.5°	6096.0	6075.1	6229.4	6500.4	6854.8	7017.4	6742.3	6367.0	6104.3	6012.6	6070.9
40°	6721.4	6742.3	6821.4	7067.4	7463.6	7572.0	7163.4	6959.1	6729.7	6683.8	6754.7
42.5°	7346.8	7334.3	7392.7	7613.7	7901.3	7826.3	7584.5	7463.6	7300.9	7209.2	7305.1
45°	7805.5	7784.6	7893.0	8043.1	8147.3	8005.6	7897.2	7855.5	7772.1	7672.1	7759.6
47.5°	8251.6	8234.9	8339.2	8380.8	8389.2	8201.5	8222.4	8297.5	8089.0	7880.5	7980.6
50°	8631.0	8601.9	8731.1	8822.8	8802.0	8501.8	8576.8	8501.8	8176.6	7930.5	7893.0
52.5°	9264.8	9277.3	9414.9	9581.7	9531.7	9281.5	9173.1	8831.1	8414.2	8193.2	8064.0
55°	9665.1	9602.6	9840.2	10369.7	10428.2	10169.6	9690.1	9185.6	8560.1	8289.2	8255.8
56°	9289.8	9369.1	9744.4	10336.4	10636.6	10398.9	9702.6	9098.1	8410.0	8043.1	8018.1
57.5°	8335.0	8293.3	8802.0	9610.9	10428.2	10328.1	9360.7	8472.6	7672.1	7259.3	7209.2
60°	5187.0	5307.9	5754.0	6754.7	7847.1	7897.2	6938.2	6175.1	5241.2	4874.3	4961.8
62.5°	2030.6	1926.3	2205.7	2952.1	3702.6	3869.4	3506.6	2914.6	2393.3	2030.6	2005.6
65°	471.1	458.7	517.0	713.0	996.5	1155.0	1096.6	788.1	579.6	550.4	508.7
67.5°	266.8	266.8	254.3	254.3	279.4	296.1	283.5	279.4	291.9	304.4	300.2
70°	187.6	183.5	175.2	179.3	170.9	170.9	183.5	204.3	221.0	221.0	225.2
72.5°	112.6	112.6	112.6	125.1	125.1	125.1	137.6	154.3	158.5	154.3	150.1
75°	50.0	50.0	58.4	70.9	79.2	83.4	95.9	104.2	112.6	104.2	95.9
77.5°	12.5	12.5	20.8	29.2	37.5	45.9	62.6	75.1	79.2	75.1	62.6
80°	4.1	4.1	8.4	20.8	37.5	45.9	62.6	66.7	70.9	62.6	50.0
82.5°	4.1	4.1	8.4	20.8	29.2	37.5	50.0	58.4	62.6	54.2	50.0
85°	0.0	4.1	8.4	16.7	25.1	33.4	33.4	25.1	20.8	12.5	16.7
87.5°	0.0	0.0	4.1	4.1	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)