

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: P532129

Luminaire Tested: **GALN-SA7C-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26465 lumens
Efficiency: N/A
Efficacy: 70.2 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

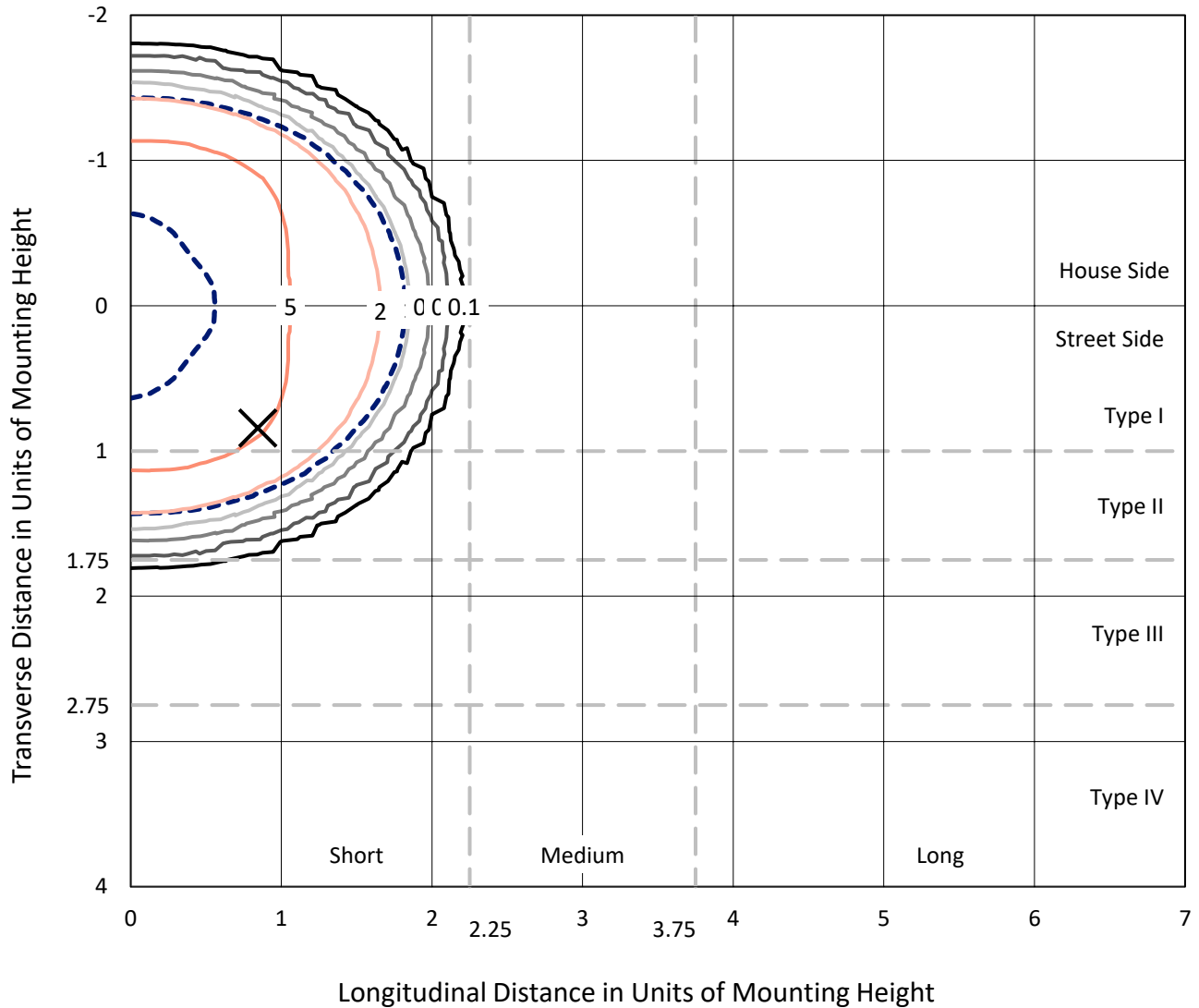
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

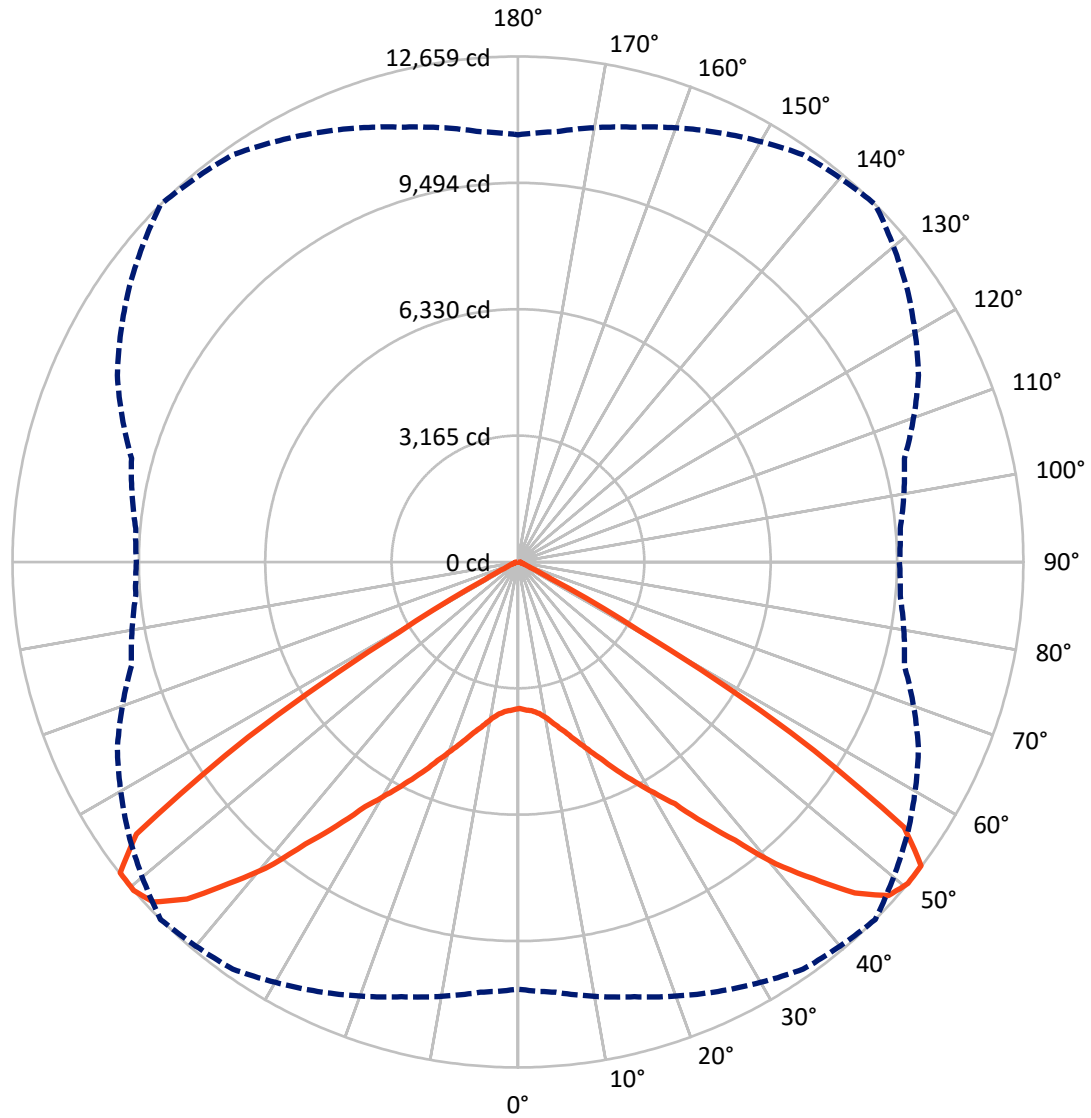
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13232.5	0.0	13232.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13232.5	0.0	13232.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26465.0	0.0	26465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.0	1.4
10°-20°	1258.1	4.8
20°-30°	2569.5	9.7
30°-40°	4899.9	18.5
40°-50°	8257.1	31.2
50°-60°	7874.6	29.8
60°-70°	1099.3	4.2
70°-80°	105.1	0.4
80°-90°	36.3	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°	26465.0	100.0
0°-180°	26465.0	100.0

Coefficient of Utilization



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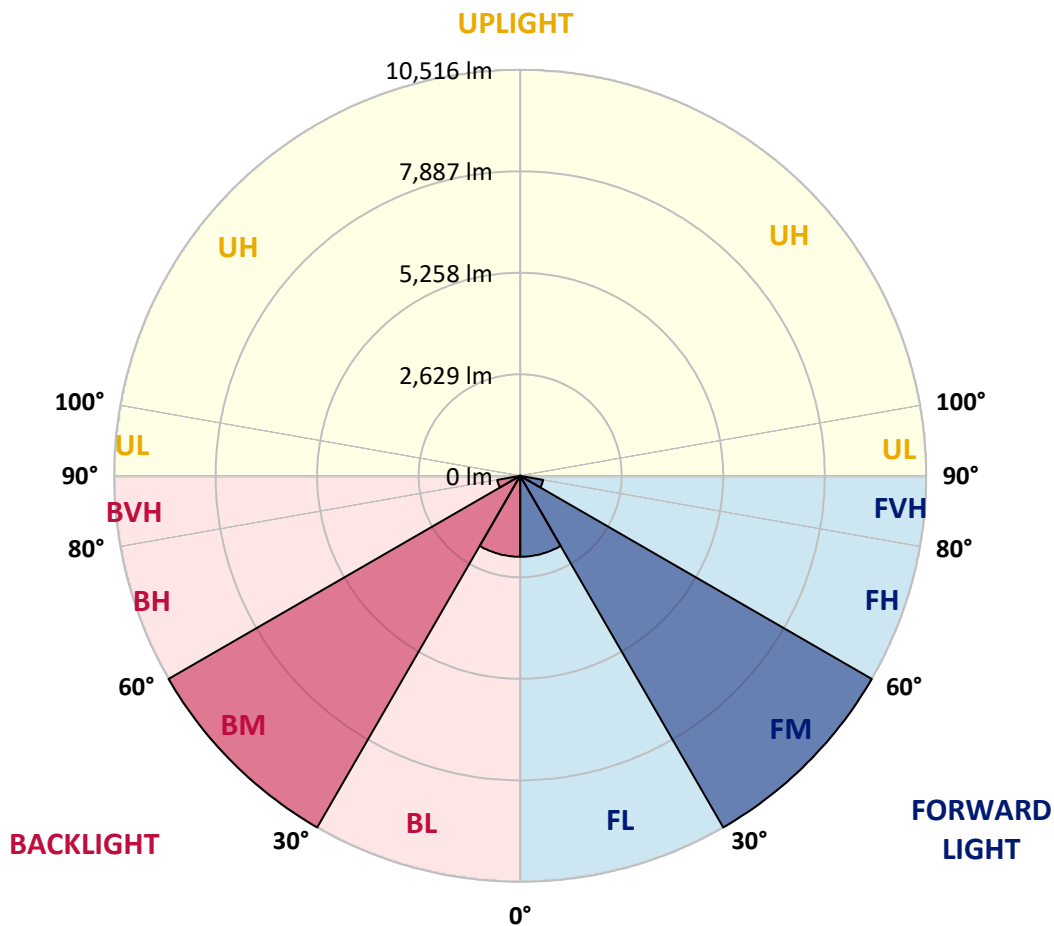
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.3	7.9			
FM (30°-60°)	10515.9	39.7			
FH (60°-80°)	602.2	2.3			G0/660
FVH (80°-90°)	18.2	0.1			G1/100
BL (0°-30°)	2096.3	7.9	B3/2500		
BM (30°-60°)	10515.9	39.7	B5		
BH (60°-80°)	602.2	2.3	B2/1000		G0/660
BVH (80°-90°)	18.2	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°	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1	3669.1
2.5°	3655.7	3655.7	3651.3	3686.9	3669.1	3709.2	3704.7	3718.1	3731.4	3727.0	3762.6
5°	3624.6	3620.1	3620.1	3660.2	3700.3	3744.8	3784.9	3811.6	3856.1	3856.1	3900.6
7.5°	3655.7	3633.5	3664.6	3682.4	3758.1	3833.8	3900.6	3954.1	4056.5	4092.1	4078.7
10°	3664.6	3691.3	3713.6	3767.0	3860.6	3976.3	4034.2	4167.8	4283.6	4363.7	4381.5
12.5°	3722.5	3762.6	3824.9	3954.1	4038.7	4190.1	4270.2	4399.3	4559.6	4648.7	4711.0
15°	3833.8	3847.2	3927.3	4092.1	4274.7	4412.7	4537.4	4630.9	4786.7	4889.1	4893.6
17.5°	3976.3	4034.2	4145.5	4301.4	4492.8	4697.7	4795.6	4898.0	4955.9	5094.0	5125.1
20°	4261.3	4270.2	4377.1	4581.9	4822.3	5009.4	5080.6	5134.0	5111.8	5254.3	5281.0
22.5°	4528.5	4537.4	4671.0	4947.0	5205.3	5365.6	5396.8	5365.6	5298.8	5401.2	5410.1
25°	4800.1	4880.2	4978.2	5254.3	5574.9	5788.6	5793.1	5708.4	5570.4	5588.2	5632.8
27.5°	5223.1	5281.0	5383.4	5637.2	5989.0	6229.4	6189.3	6086.9	5908.8	5922.2	5908.8
30°	5717.4	5770.8	5855.4	6180.4	6438.7	6701.4	6759.3	6661.3	6394.2	6336.3	6403.1
32.5°	6314.0	6389.7	6545.6	6843.9	7062.1	7222.4	7262.5	7226.8	6977.5	6955.2	6999.8
35°	7039.8	7142.2	7284.7	7547.4	7725.6	8015.0	8015.0	7894.8	7667.7	7694.4	7689.9
37.5°	7805.7	7957.1	8179.7	8446.9	8687.4	8843.2	8794.2	8691.8	8464.7	8406.8	8464.7
40°	8767.5	8843.2	9123.7	9471.0	9764.9	9943.0	9733.8	9511.1	8967.9	9052.5	9208.3
42.5°	9644.7	9764.9	9978.7	10361.6	10695.5	10842.5	10593.1	10152.3	9497.8	9431.0	9546.7
45°	10392.8	10521.9	10802.4	11350.1	11701.9	11831.0	11278.9	10566.4	9818.4	9649.1	9698.1
47.5°	10891.5	10958.3	11350.1	11871.1	12191.7	12485.6	11693.0	10851.4	9969.7	9649.1	9631.3
50°	10700.0	10815.8	11274.4	11866.6	12449.9	12659.2	11902.2	11069.6	10018.7	9609.1	9555.6
52.5°	9502.2	9702.6	10214.7	11011.7	11893.3	12641.4	12191.7	10998.3	10000.9	9649.1	9729.3
55°	6612.4	6616.8	7240.2	8415.7	9974.2	11737.5	11768.7	11078.5	10116.7	9898.5	9903.0
57.5°	2658.3	2791.9	3268.3	4448.3	5886.6	8059.5	9582.4	10277.0	10130.0	10076.6	10214.7
60°	672.4	676.8	823.8	1255.7	2070.5	3455.3	5018.3	6790.5	7819.1	8170.8	8219.8
62.5°	342.9	347.3	382.9	445.3	565.5	926.2	1647.5	2613.8	3718.1	4279.1	4426.1
65°	280.5	280.5	302.8	334.0	338.4	356.2	427.5	610.0	886.1	1006.3	1019.7
67.5°	213.7	213.7	231.5	249.4	258.3	253.8	244.9	253.8	307.2	293.9	285.0
70°	133.6	138.0	146.9	164.8	173.7	178.1	182.6	191.5	218.2	227.1	218.2
72.5°	80.1	80.1	84.6	98.0	111.3	120.2	133.6	142.5	155.8	178.1	173.7
75°	35.6	35.6	44.5	57.9	71.2	84.6	98.0	111.3	120.2	133.6	138.0
77.5°	8.9	13.4	22.3	40.1	53.4	71.2	89.1	102.4	111.3	111.3	106.9
80°	4.5	4.5	17.8	31.2	57.9	75.7	98.0	106.9	120.2	111.3	98.0
82.5°	4.5	4.5	17.8	31.2	53.4	75.7	102.4	115.8	124.7	111.3	93.5
85°	0.0	4.5	13.4	26.7	44.5	53.4	44.5	31.2	17.8	17.8	13.4
87.5°	0.0	0.0	4.5	4.5	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)