

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: P531193

Luminaire Tested: **GALN-SA6C-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531193
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-SA6C-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 22532 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

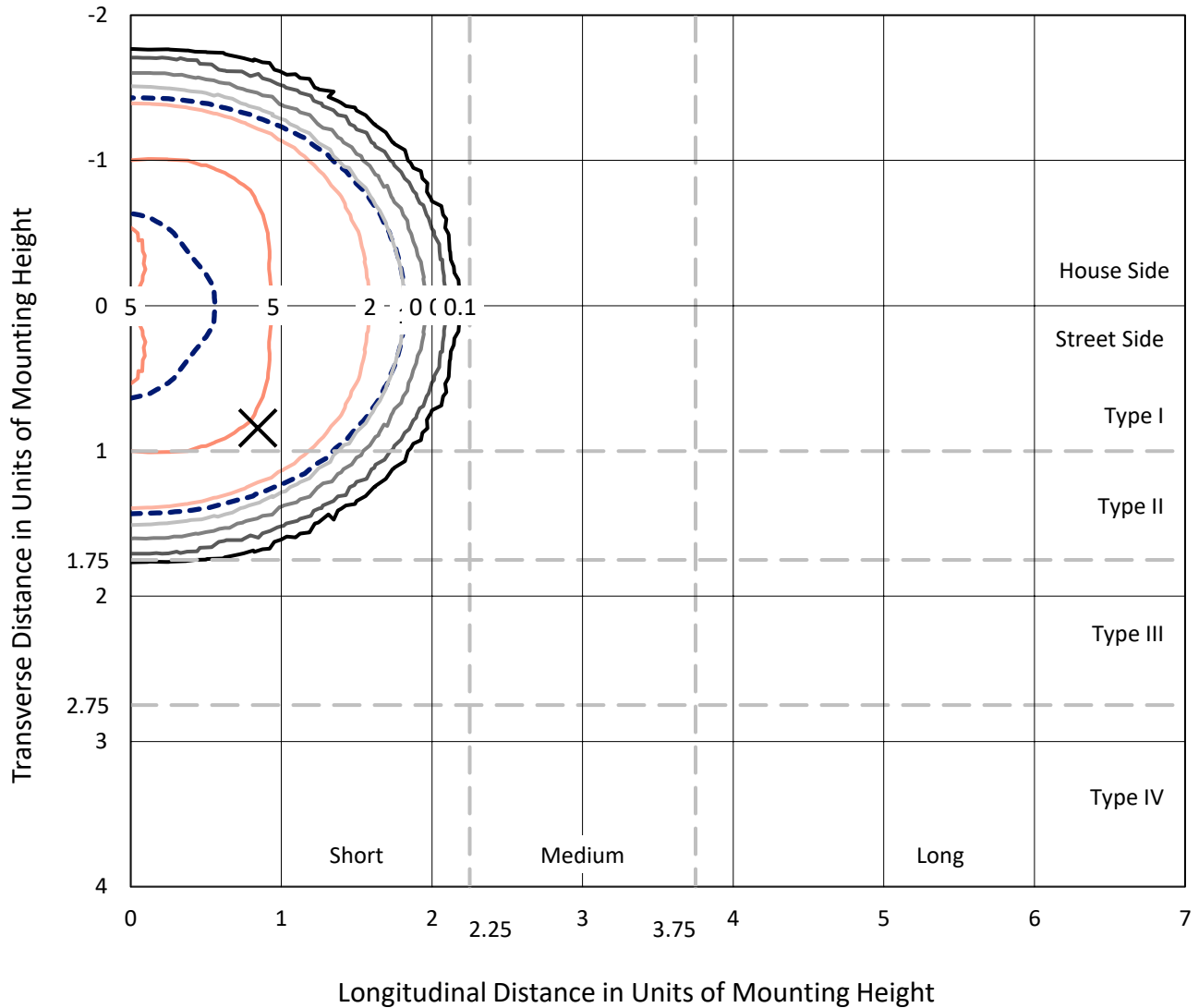
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

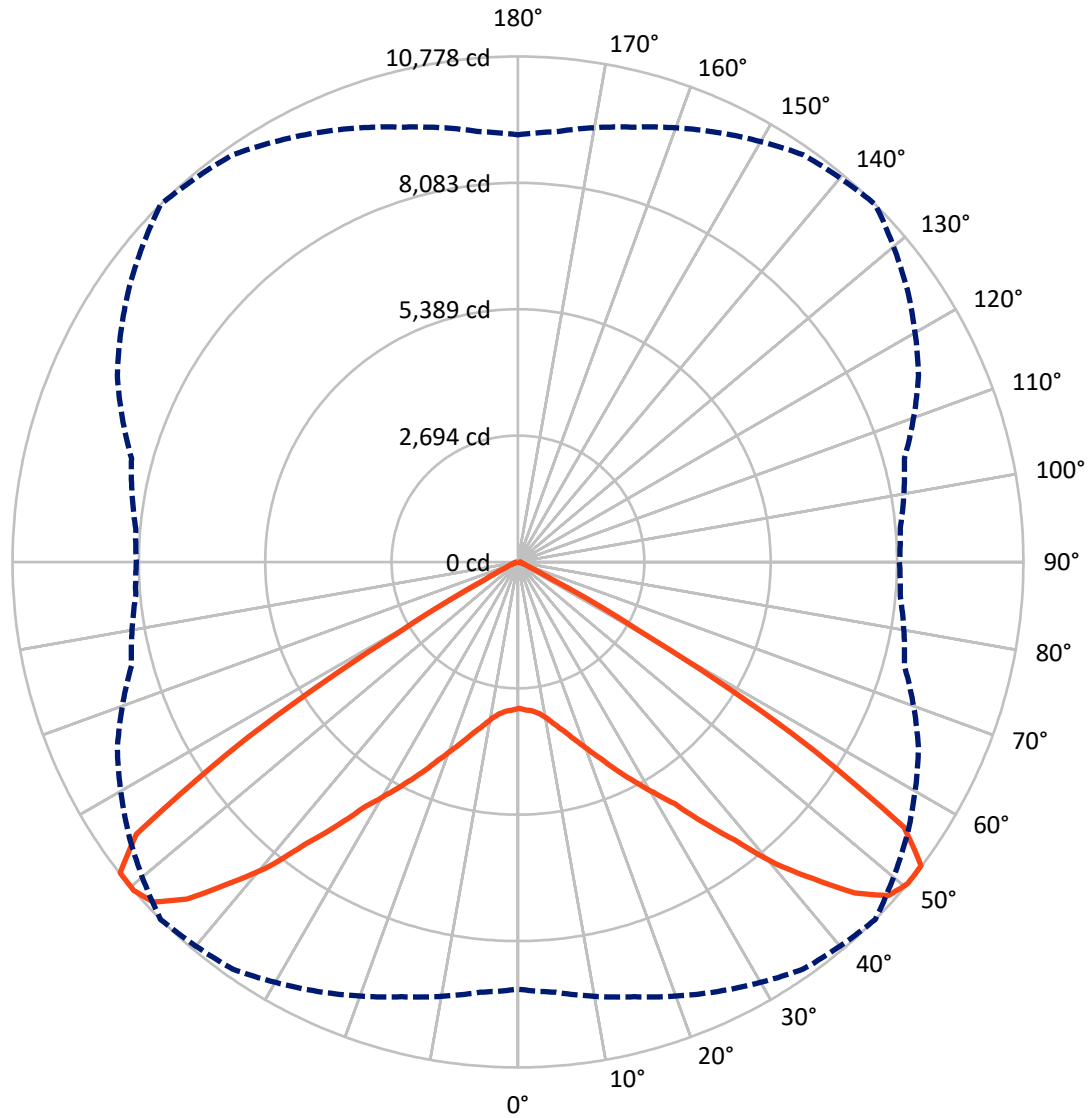
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	11266.0	0.0	11266.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11266.0	0.0	11266.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22532.0	0.0	22532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.8	1.4
10°-20°	1071.1	4.8
20°-30°	2187.6	9.7
30°-40°	4171.8	18.5
40°-50°	7030.0	31.2
50°-60°	6704.4	29.8
60°-70°	935.9	4.2
70°-80°	89.5	0.4
80°-90°	30.9	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°	22532.0	100.0
0°-180°	22532.0	100.0

Coefficient of Utilization



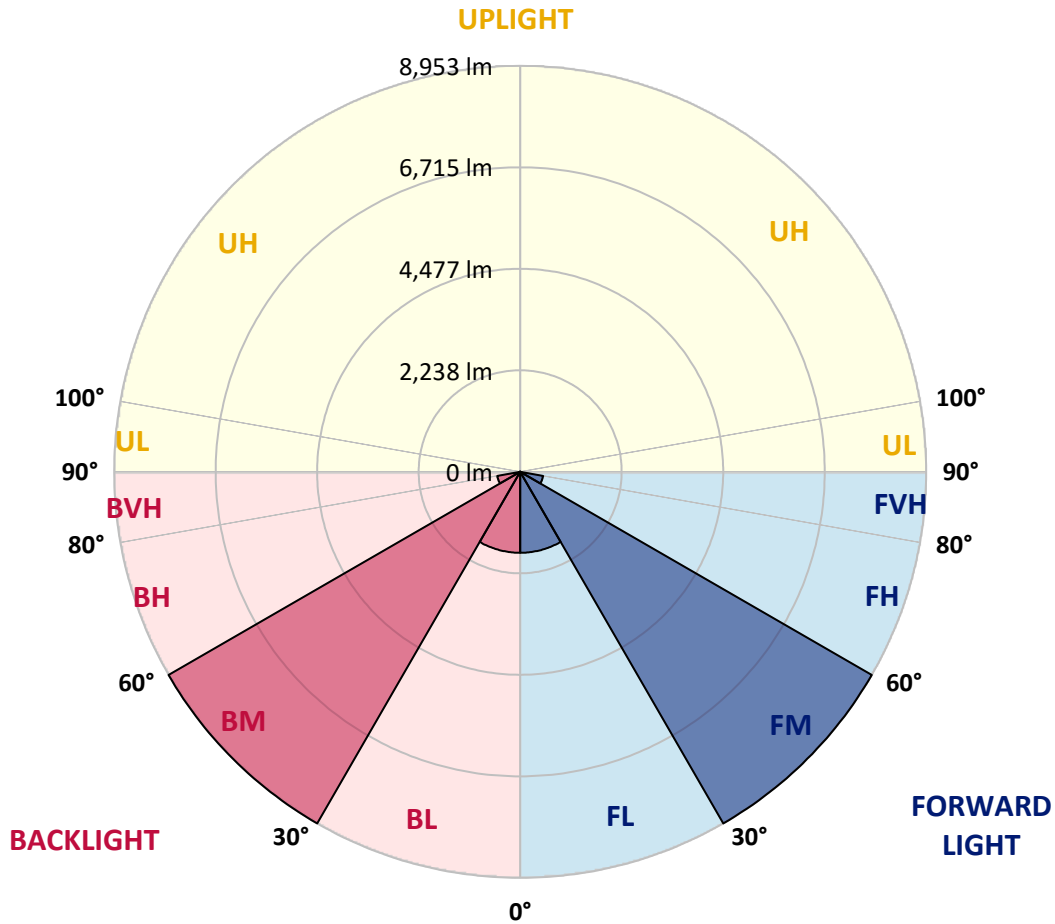
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1784.7	7.9			
FM (30°-60°)	8953.1	39.7			
FH (60°-80°)	512.7	2.3			G0/660
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1784.7	7.9	B3/2500		
BM (30°-60°)	8953.1	39.7	B5		
BH (60°-80°)	512.7	2.3	B2/1000		G0/660
BVH (80°-90°)	15.5	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°	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8	3123.8
2.5°	3112.4	3112.4	3108.6	3139.0	3123.8	3157.9	3154.1	3165.5	3176.9	3173.1	3203.4
5°	3085.9	3082.1	3082.1	3116.2	3150.4	3188.3	3222.4	3245.1	3283.0	3283.0	3320.9
7.5°	3112.4	3093.5	3120.0	3135.2	3199.6	3264.1	3320.9	3366.4	3453.6	3484.0	3472.6
10°	3120.0	3142.8	3161.7	3207.2	3286.8	3385.4	3434.7	3548.4	3647.0	3715.2	3730.4
12.5°	3169.3	3203.4	3256.5	3366.4	3438.5	3567.4	3635.6	3745.5	3882.0	3957.8	4010.9
15°	3264.1	3275.5	3343.7	3484.0	3639.4	3756.9	3863.1	3942.7	4075.4	4162.6	4166.3
17.5°	3385.4	3434.7	3529.5	3662.1	3825.2	3999.5	4082.9	4170.1	4219.4	4336.9	4363.5
20°	3628.0	3635.6	3726.6	3901.0	4105.7	4264.9	4325.6	4371.1	4352.1	4473.4	4496.2
22.5°	3855.5	3863.1	3976.8	4211.8	4431.7	4568.2	4594.7	4568.2	4511.3	4598.5	4606.1
25°	4086.7	4155.0	4238.4	4473.4	4746.4	4928.3	4932.1	4860.1	4742.6	4757.8	4795.7
27.5°	4446.9	4496.2	4583.4	4799.5	5098.9	5303.7	5269.5	5182.3	5030.7	5042.1	5030.7
30°	4867.7	4913.2	4985.2	5262.0	5481.8	5705.5	5754.8	5671.4	5443.9	5394.6	5451.5
32.5°	5375.7	5440.1	5572.8	5826.8	6012.6	6149.1	6183.2	6152.9	5940.6	5921.6	5959.5
35°	5993.6	6080.8	6202.1	6425.8	6577.4	6823.9	6823.9	6721.5	6528.2	6550.9	6547.1
37.5°	6645.7	6774.6	6964.1	7191.6	7396.3	7529.0	7487.3	7400.1	7206.8	7157.5	7206.8
40°	7464.6	7529.0	7767.8	8063.5	8313.7	8465.4	8287.2	8097.7	7635.1	7707.2	7839.9
42.5°	8211.4	8313.7	8495.7	8821.7	9106.1	9231.2	9018.9	8643.6	8086.3	8029.4	8128.0
45°	8848.3	8958.2	9197.1	9663.4	9962.8	10072.8	9602.7	8996.1	8359.2	8215.2	8256.9
47.5°	9272.9	9329.7	9663.4	10106.9	10379.9	10630.1	9955.3	9238.8	8488.1	8215.2	8200.0
50°	9109.9	9208.4	9598.9	10103.1	10599.7	10777.9	10133.4	9424.5	8529.8	8181.1	8135.6
52.5°	8090.1	8260.7	8696.6	9375.2	10125.9	10762.8	10379.9	9363.9	8514.7	8215.2	8283.4
55°	5629.7	5633.5	6164.2	7165.1	8491.9	9993.2	10019.7	9432.1	8613.2	8427.5	8431.3
57.5°	2263.2	2377.0	2782.6	3787.2	5011.8	6861.8	8158.3	8749.7	8624.6	8579.1	8696.6
60°	572.4	576.2	701.3	1069.1	1762.8	2941.8	4272.5	5781.3	6657.1	6956.6	6998.3
62.5°	291.9	295.7	326.0	379.1	481.5	788.5	1402.7	2225.3	3165.5	3643.2	3768.3
65°	238.8	238.8	257.8	284.3	288.1	303.3	363.9	519.4	754.4	856.8	868.1
67.5°	182.0	182.0	197.1	212.3	219.9	216.1	208.5	216.1	261.6	250.2	242.6
70°	113.7	117.5	125.1	140.3	147.9	151.6	155.4	163.0	185.8	193.3	185.8
72.5°	68.2	68.2	72.0	83.4	94.8	102.4	113.7	121.3	132.7	151.6	147.9
75°	30.3	30.3	37.9	49.3	60.7	72.0	83.4	94.8	102.4	113.7	117.5
77.5°	7.6	11.4	19.0	34.1	45.5	60.7	75.8	87.2	94.8	94.8	91.0
80°	3.8	3.8	15.2	26.5	49.3	64.4	83.4	91.0	102.4	94.8	83.4
82.5°	3.8	3.8	15.2	26.5	45.5	64.4	87.2	98.6	106.1	94.8	79.6
85°	0.0	3.8	11.4	22.7	37.9	45.5	37.9	26.5	15.2	15.2	11.4
87.5°	0.0	0.0	3.8	3.8	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)