

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: P531194

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30550 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

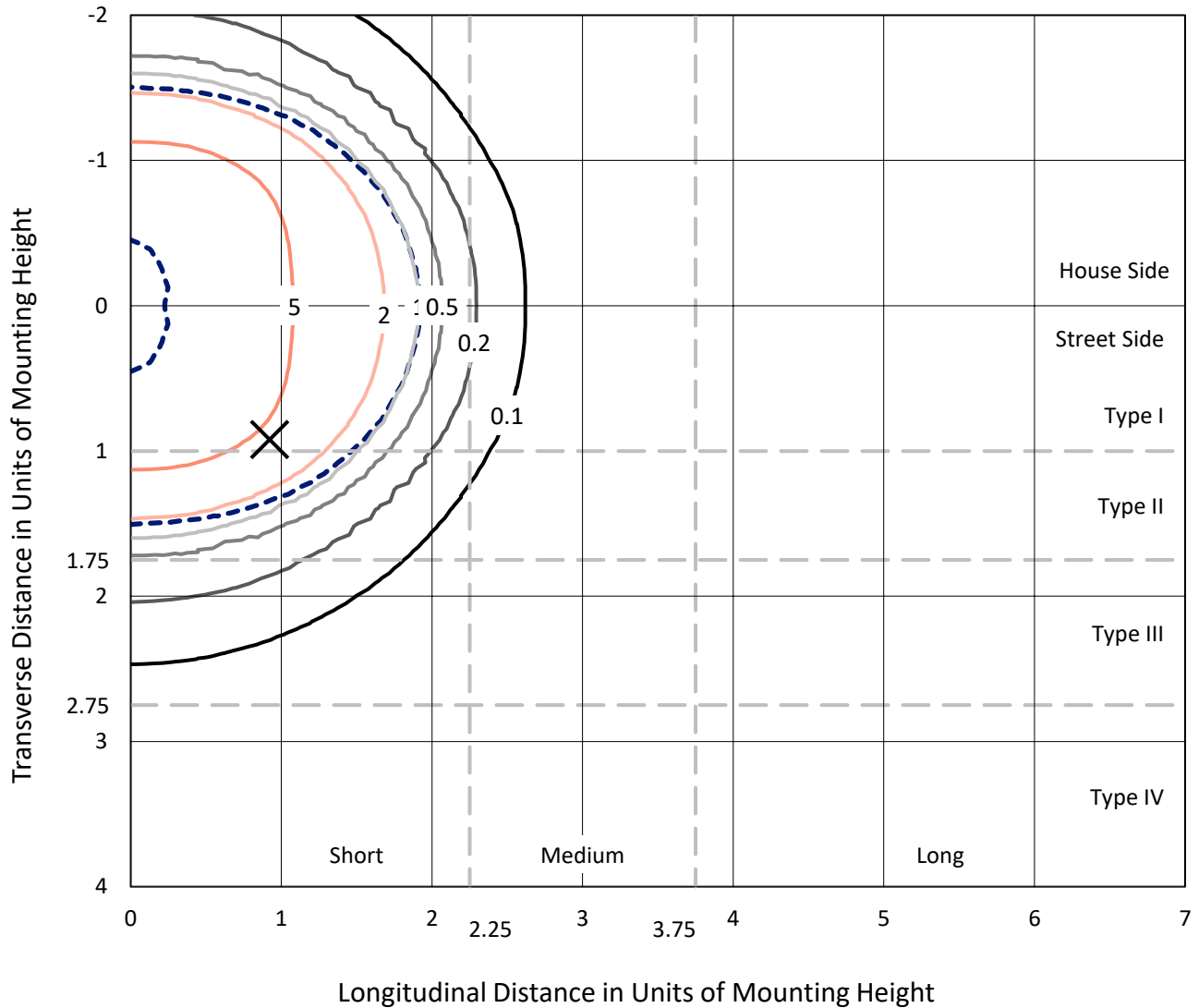
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

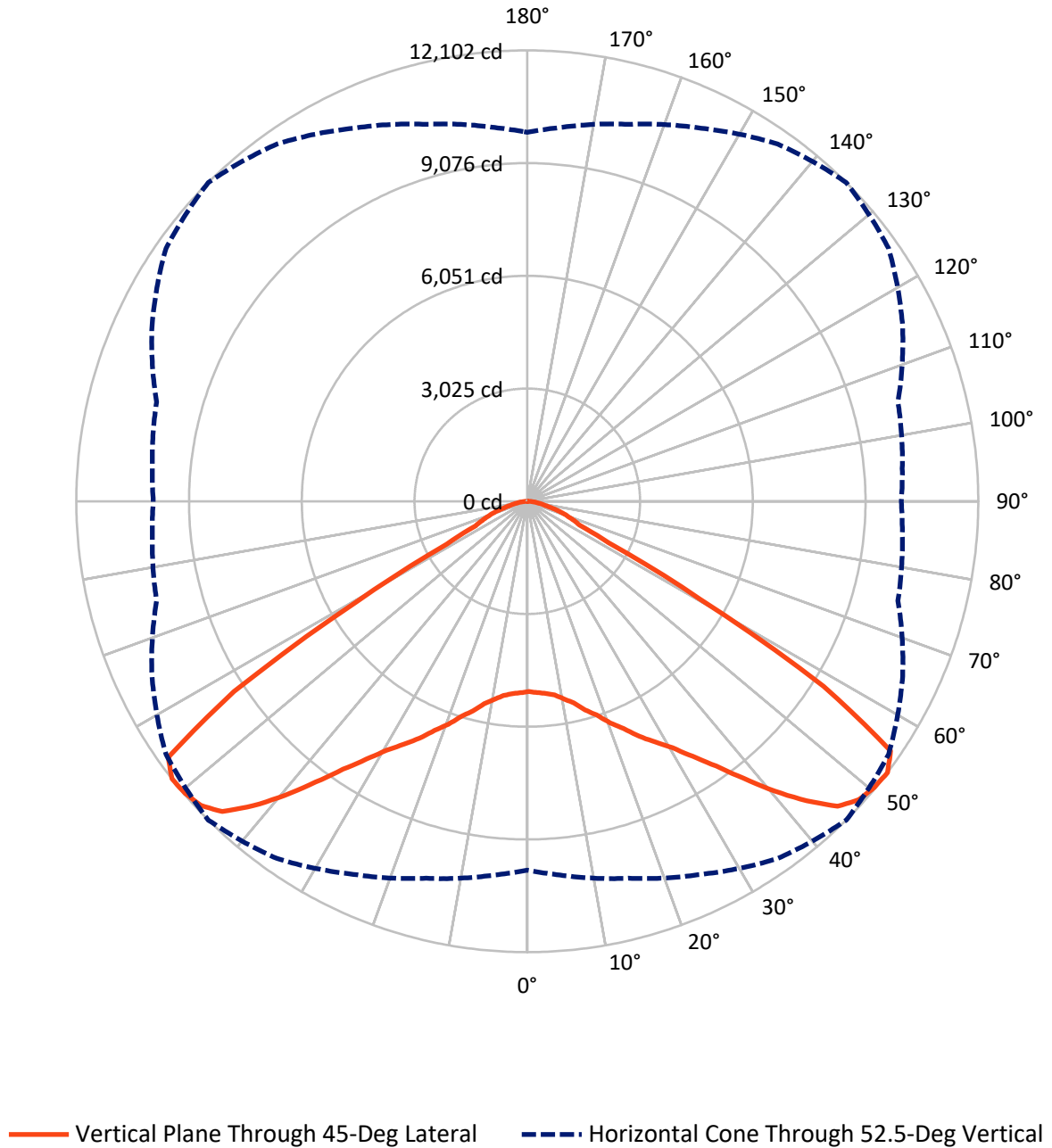
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15275.0	0.0	15275.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15275.0	0.0	15275.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30550.0	0.0	30550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.7	1.6
10°-20°	1648.7	5.4
20°-30°	3138.8	10.3
30°-40°	5389.6	17.6
40°-50°	8283.9	27.1
50°-60°	8412.1	27.5
60°-70°	2344.4	7.7
70°-80°	691.6	2.3
80°-90°	139.3	0.5
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°	30550.0	100.0
0°-180°	30550.0	100.0

Coefficient of Utilization



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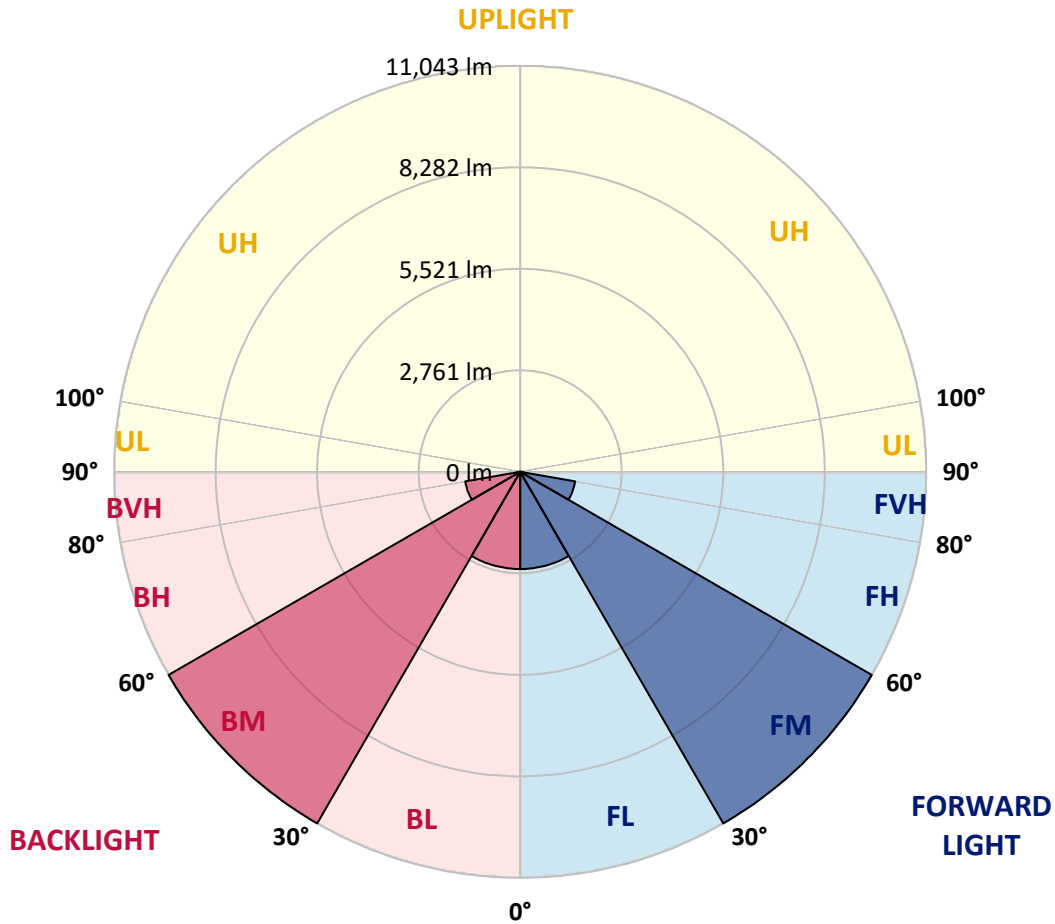
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2644.6	8.7			
FM (30°-60°)	11042.8	36.1			
FH (60°-80°)	1518.0	5.0			G1/1800
FVH (80°-90°)	69.6	0.2			G1/100
BL (0°-30°)	2644.6	8.7	B4/5000		
BM (30°-60°)	11042.8	36.1	B5		
BH (60°-80°)	1518.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	69.6	0.2			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°	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8	5106.8
2.5°	5118.2	5065.1	5084.1	5095.5	5144.7	5141.0	5129.6	5144.7	5159.9	5163.7	5156.1
5°	5114.4	5076.5	5091.7	5103.0	5152.3	5178.9	5171.3	5235.7	5281.2	5269.9	5326.7
7.5°	5084.1	5106.8	5087.9	5144.7	5186.5	5250.9	5319.1	5379.8	5436.7	5501.1	5512.5
10°	5152.3	5152.3	5186.5	5231.9	5341.9	5391.2	5489.8	5577.0	5686.9	5762.7	5732.4
12.5°	5224.4	5235.7	5235.7	5353.3	5444.3	5554.2	5645.2	5762.7	5918.2	6009.2	6054.7
15°	5296.4	5304.0	5341.9	5501.1	5637.6	5812.0	5895.4	6001.6	6088.8	6259.4	6263.2
17.5°	5360.8	5402.6	5516.3	5694.5	5865.1	6031.9	6164.6	6274.5	6350.4	6418.6	6403.4
20°	5603.5	5633.8	5751.4	5929.5	6183.6	6346.6	6392.1	6411.0	6460.3	6596.8	6555.1
22.5°	5838.5	5849.9	5959.9	6232.8	6411.0	6627.1	6676.4	6665.0	6684.0	6718.1	6778.8
25°	6081.2	6100.1	6251.8	6483.1	6733.3	6991.1	7032.8	6945.6	6919.1	6957.0	6960.8
27.5°	6392.1	6395.9	6589.2	6790.2	7074.5	7317.1	7381.6	7313.4	7188.2	7218.6	7267.9
30°	6786.4	6759.8	6953.2	7241.3	7540.8	7677.3	7787.3	7753.1	7616.7	7590.1	7548.4
32.5°	7241.3	7248.9	7423.3	7738.0	7935.1	8162.6	8280.1	8223.3	8136.1	8090.6	8117.1
35°	7882.0	7916.2	8033.7	8295.3	8613.8	8727.5	8913.3	8791.9	8564.5	8621.3	8670.6
37.5°	8409.0	8507.6	8727.5	9038.4	9227.9	9436.5	9504.7	9341.7	9174.9	9106.6	9269.6
40°	9216.6	9186.2	9428.9	9739.8	10020.3	10228.8	10141.6	9978.6	9565.4	9569.2	9614.7
42.5°	9910.4	9925.5	10111.3	10482.9	10865.8	10994.7	10717.9	10319.8	9861.1	9811.8	9910.4
45°	10494.2	10554.9	10661.0	11157.7	11533.0	11673.3	11161.5	10691.4	10077.2	9872.5	10035.5
47.5°	10702.7	10801.3	11032.6	11487.5	11859.1	11972.8	11563.4	10888.5	10278.1	9944.5	10031.7
50°	10733.1	10699.0	11078.1	11495.1	11821.2	12067.6	11707.4	11032.6	10228.8	10054.4	10027.9
52.5°	9902.8	10069.6	10475.3	11047.7	11707.4	12101.7	11836.3	11112.2	10297.1	10099.9	10035.5
55°	8014.7	7817.6	8556.9	9519.9	10733.1	11828.7	11790.8	11153.9	10338.8	10175.8	10088.6
57.5°	4473.7	4530.6	4947.6	5994.0	7559.8	9379.6	10482.9	10714.1	10319.8	10225.0	10270.5
60°	2070.0	2089.0	2267.2	2756.3	3726.8	5319.1	6771.2	8246.0	8924.6	9061.1	9061.1
62.5°	1543.0	1535.5	1581.0	1668.2	1872.9	2445.4	3264.3	4435.8	5368.4	6020.5	6191.1
65°	1395.2	1391.4	1414.1	1444.5	1459.6	1539.3	1721.2	2081.4	2384.7	2559.1	2528.8
67.5°	1220.8	1217.0	1224.6	1243.5	1270.1	1311.8	1357.3	1433.1	1539.3	1531.7	1512.7
70°	985.7	985.7	997.1	1012.3	1042.6	1091.9	1145.0	1198.0	1289.0	1308.0	1304.2
72.5°	727.9	716.5	739.3	769.6	800.0	860.6	917.5	966.8	1031.2	1050.2	1042.6
75°	462.5	470.1	485.3	519.4	572.5	614.2	674.8	716.5	758.3	773.4	777.2
77.5°	257.8	265.4	291.9	333.6	386.7	432.2	485.3	519.4	545.9	549.7	553.5
80°	155.4	159.2	185.8	223.7	269.2	318.5	360.2	394.3	417.0	405.7	401.9
82.5°	94.8	98.6	121.3	155.4	193.4	231.3	276.8	307.1	329.8	314.7	299.5
85°	49.3	53.1	72.0	94.8	125.1	144.1	144.1	128.9	125.1	117.5	113.7
87.5°	15.2	15.2	19.0	22.7	19.0	22.7	26.5	30.3	30.3	34.1	30.3
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)