

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: P531190

Luminaire Tested: **GALN-SA6C-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29580 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

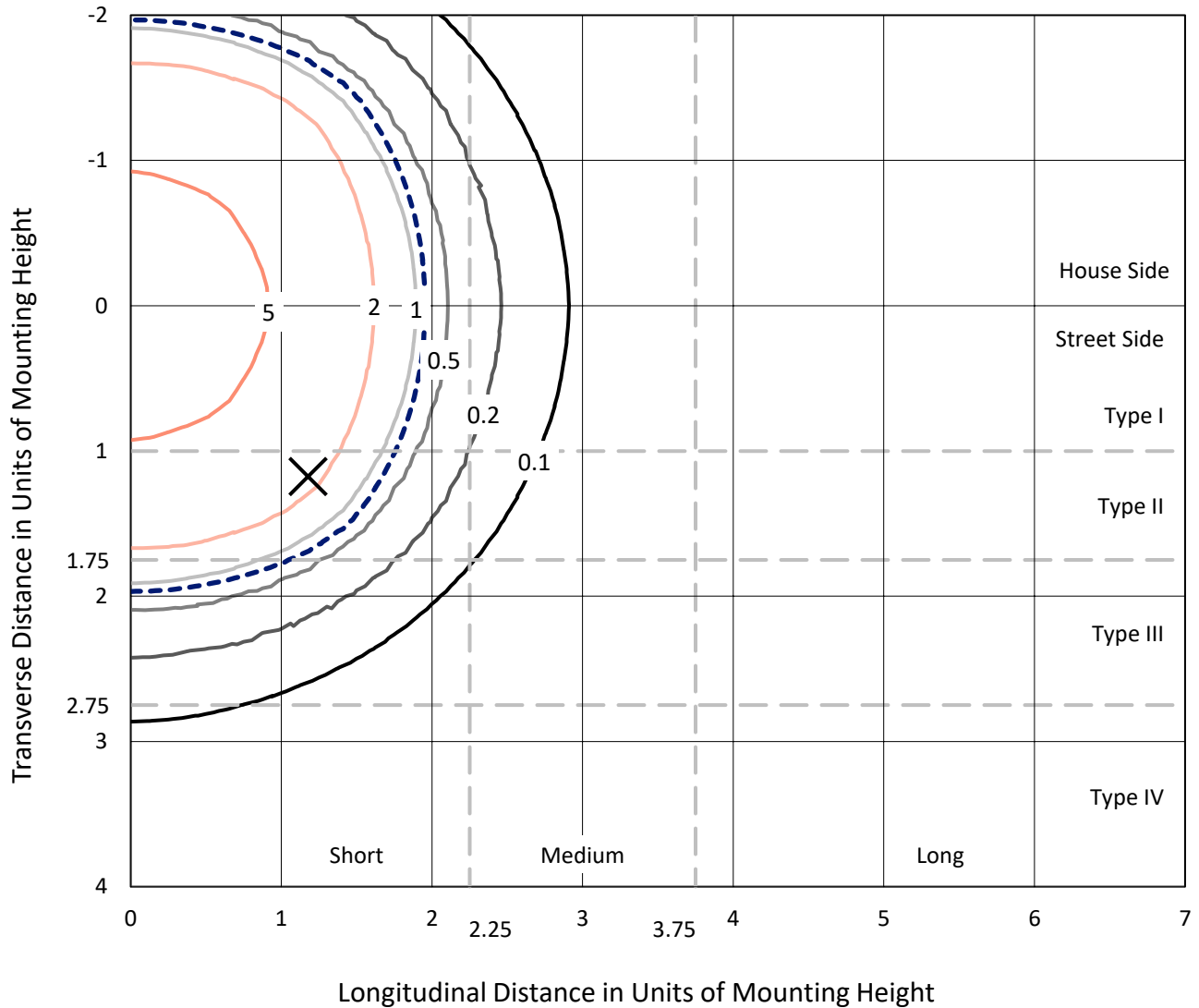
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

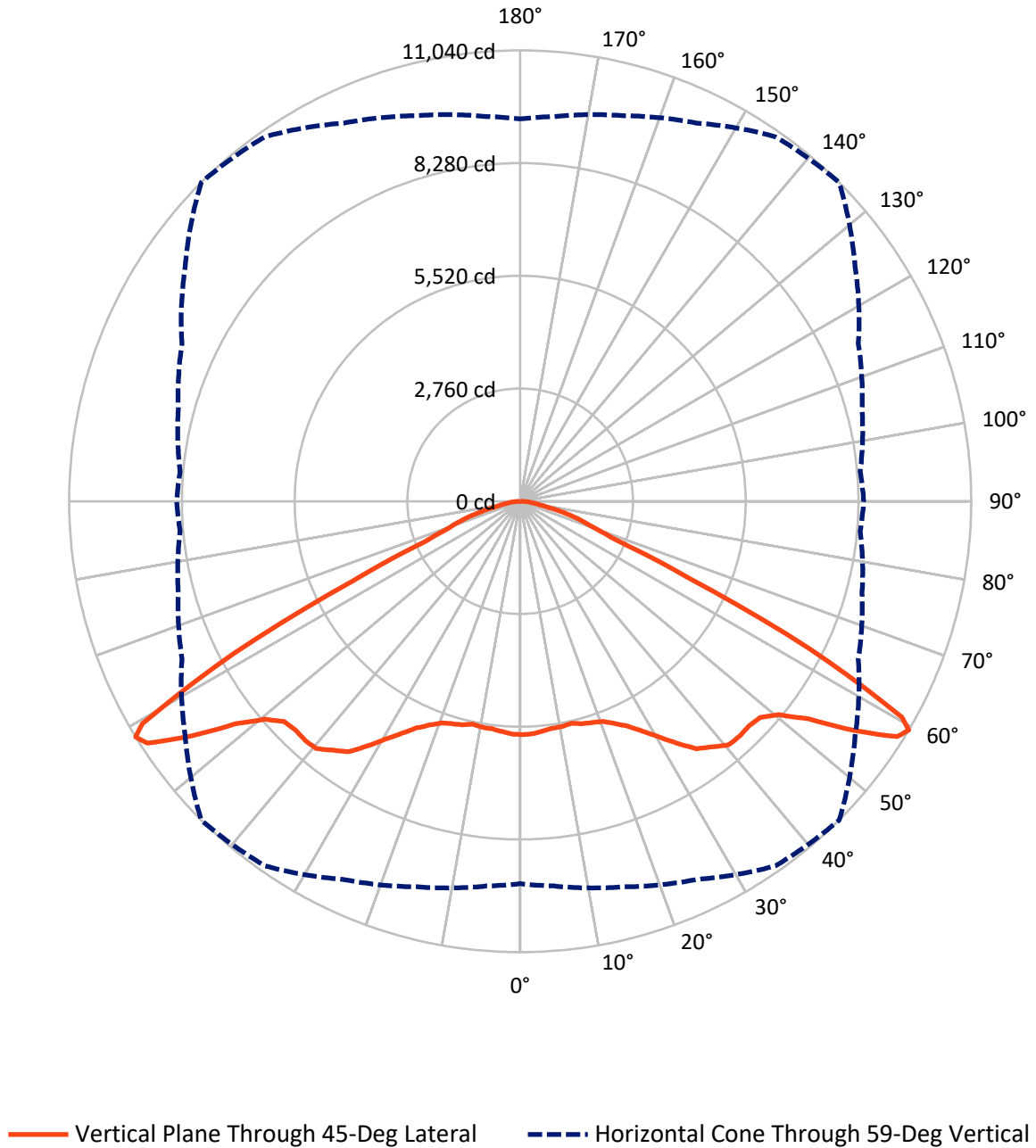
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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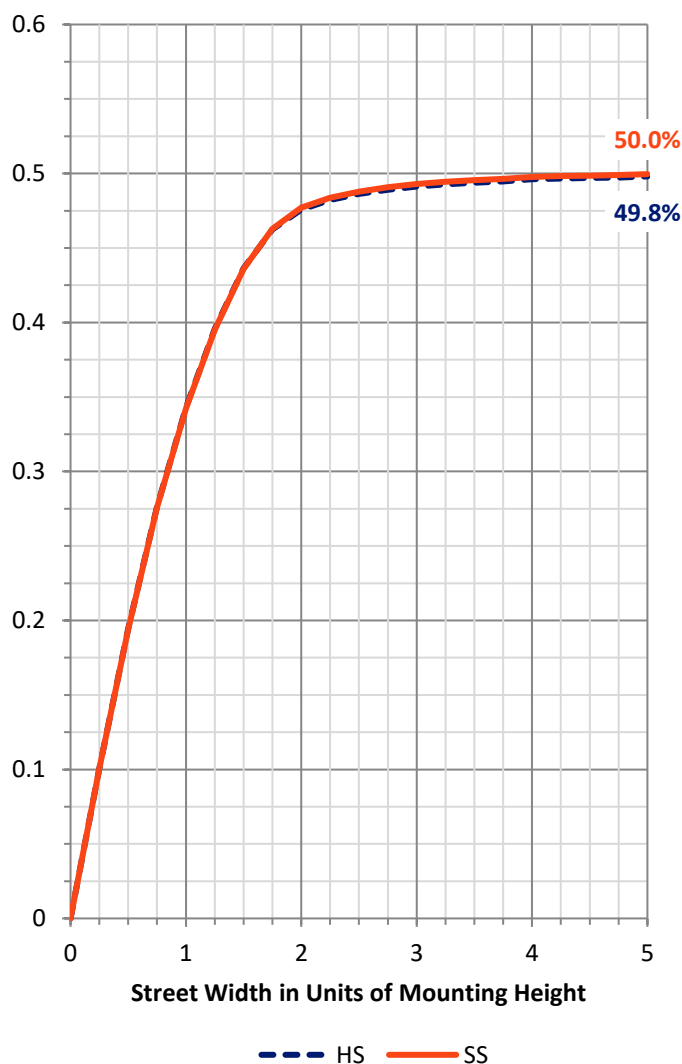
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14790.0	0.0	14790.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14790.0	0.0	14790.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29580.0	0.0	29580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.6	1.8
10°-20°	1601.7	5.4
20°-30°	2796.7	9.5
30°-40°	4466.8	15.1
40°-50°	6084.6	20.6
50°-60°	8228.1	27.8
60°-70°	4512.3	15.3
70°-80°	1154.4	3.9
80°-90°	196.9	0.7
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°	29580.0	100.0
0°-180°	29580.0	100.0

Coefficient of Utilization



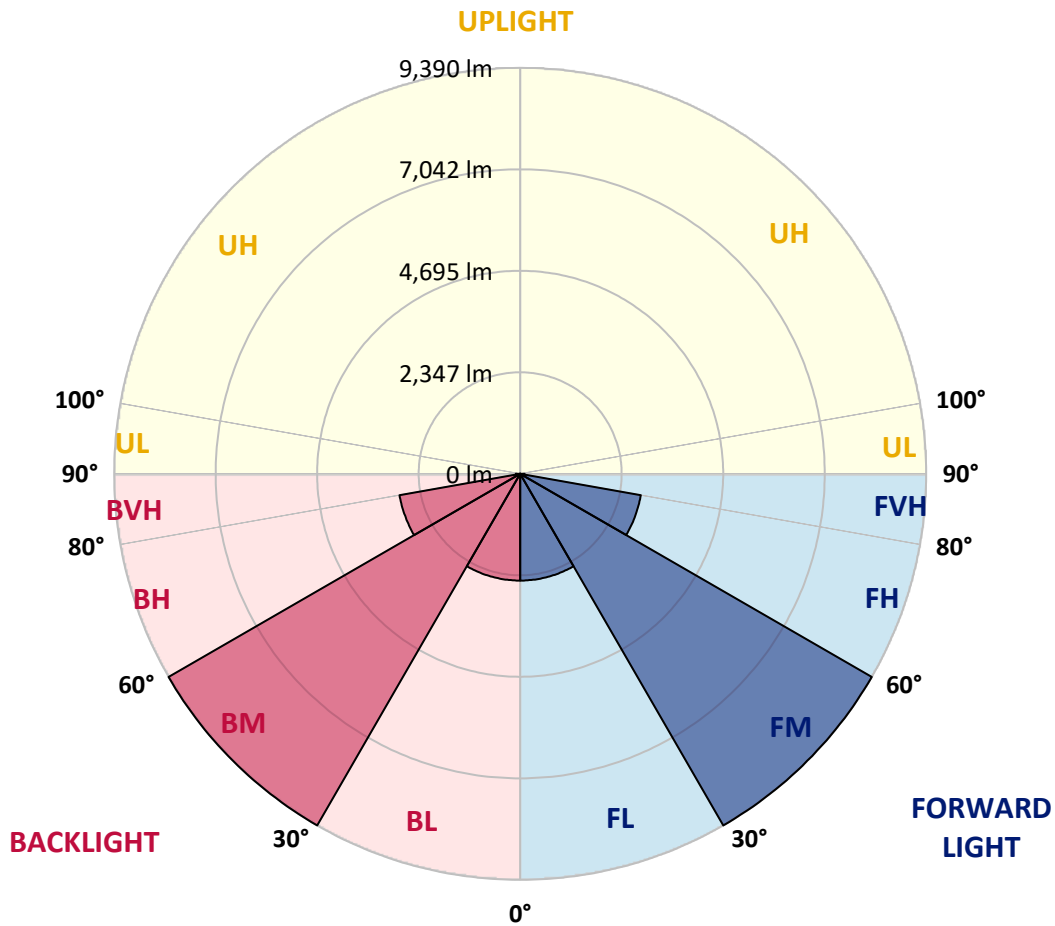
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2468.5	8.3			
FM (30°-60°)	9389.7	31.7			
FH (60°-80°)	2833.3	9.6			G2/5000
FVH (80°-90°)	98.4	0.3			G1/100
BL (0°-30°)	2468.5	8.3	B3/2500		
BM (30°-60°)	9389.7	31.7	B5		
BH (60°-80°)	2833.3	9.6	B4/5000		G2/5000
BVH (80°-90°)	98.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4	5713.4
2.5°	5679.3	5721.0	5690.7	5717.2	5713.4	5702.1	5683.1	5671.7	5656.6	5679.3	5641.4
5°	5656.6	5690.7	5724.8	5679.3	5679.3	5656.6	5645.2	5622.5	5622.5	5618.7	5614.9
7.5°	5694.5	5660.4	5645.2	5652.8	5660.4	5611.1	5645.2	5599.7	5561.8	5588.3	5618.7
10°	5660.4	5675.5	5618.7	5645.2	5603.5	5611.1	5588.3	5618.7	5577.0	5577.0	5577.0
12.5°	5694.5	5652.8	5671.7	5652.8	5641.4	5577.0	5607.3	5573.2	5569.4	5607.3	5573.2
15°	5762.7	5694.5	5679.3	5641.4	5652.8	5652.8	5622.5	5626.2	5584.5	5607.3	5614.9
17.5°	5740.0	5702.1	5690.7	5645.2	5683.1	5694.5	5637.6	5599.7	5626.2	5622.5	5618.7
20°	5758.9	5774.1	5762.7	5770.3	5785.5	5755.1	5702.1	5649.0	5614.9	5664.2	5660.4
22.5°	5880.3	5865.1	5857.5	5849.9	5876.5	5906.8	5834.8	5751.4	5751.4	5785.5	5800.6
25°	5978.8	5975.0	5971.2	6005.4	6096.4	6096.4	6005.4	5899.2	5872.7	5895.4	5876.5
27.5°	6122.9	6164.6	6149.4	6210.1	6342.8	6373.1	6251.8	6126.7	6054.7	6028.1	6062.2
30°	6452.7	6403.5	6414.8	6479.3	6596.8	6695.4	6509.6	6376.9	6278.3	6274.5	6289.7
32.5°	6672.6	6710.5	6744.7	6805.3	6991.1	7066.9	6843.2	6627.1	6566.5	6532.4	6543.7
35°	7112.4	7078.3	7070.7	7131.4	7317.1	7442.3	7161.7	6972.1	6892.5	6968.4	6968.4
37.5°	7529.5	7434.7	7362.6	7442.3	7612.9	7628.0	7389.2	7286.8	7245.1	7332.3	7328.5
40°	7726.6	7719.0	7552.2	7597.7	7825.2	7847.9	7624.2	7502.9	7495.3	7609.1	7722.8
42.5°	7931.3	7859.3	7692.5	7722.8	7863.1	7870.7	7658.4	7624.2	7707.6	7817.6	7825.2
45°	7965.5	7904.8	7798.6	7722.8	7825.2	7847.9	7722.8	7745.6	7753.1	7885.8	7885.8
47.5°	8033.7	8026.1	7965.5	7908.6	7927.5	7908.6	7829.0	7863.1	7976.8	8041.3	8011.0
50°	8223.3	8143.6	8204.3	8155.0	8158.8	8211.9	8139.9	8174.0	8151.2	8094.4	8056.4
52.5°	8640.3	8602.4	8655.5	8689.6	8727.5	8848.8	8765.4	8583.4	8412.8	8261.2	8257.4
55°	9250.7	9277.2	9379.6	9554.0	9701.9	9895.2	9493.3	9057.3	8784.4	8545.5	8560.7
57.5°	9827.0	9808.0	9948.3	10346.4	10778.6	10877.1	10088.6	9466.8	9023.2	8871.6	8807.1
59°	9364.4	9455.4	9773.9	10217.5	10896.1	11040.2	10008.9	9133.2	8663.0	8356.0	8409.0
60°	8636.5	8670.6	8955.0	9573.0	10490.4	10736.9	9474.4	8617.6	7992.0	7813.8	7893.4
62.5°	6103.9	6077.4	6282.1	6786.4	7609.1	7942.7	7044.2	6441.4	6047.1	5849.9	5895.4
65°	3245.3	3366.6	3450.1	3764.7	4200.7	4553.3	4181.8	3920.2	3700.3	3537.3	3533.5
67.5°	2191.4	2176.2	2195.1	2267.2	2415.0	2513.6	2506.0	2373.3	2354.4	2324.0	2358.2
70°	1846.3	1838.8	1804.6	1804.6	1835.0	1857.7	1884.3	1899.4	1929.8	1967.7	1963.9
72.5°	1497.6	1478.6	1455.8	1444.5	1482.4	1493.8	1527.9	1543.0	1569.6	1565.8	1599.9
75°	989.5	989.5	1016.1	1046.4	1057.8	1080.5	1084.3	1129.8	1129.8	1137.4	1107.1
77.5°	553.5	538.4	557.3	587.6	614.2	655.9	697.6	731.7	750.7	743.1	743.1
80°	322.3	322.3	341.2	375.3	409.5	447.4	477.7	504.2	523.2	515.6	500.4
82.5°	200.9	200.9	219.9	254.0	280.6	303.3	345.0	379.1	401.9	394.3	375.3
85°	102.4	102.4	125.1	147.9	182.0	197.1	193.4	178.2	174.4	155.4	155.4
87.5°	26.5	26.5	37.9	41.7	34.1	37.9	37.9	37.9	37.9	37.9	41.7
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)