

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: P533556

Luminaire Tested: **GALN-SA9A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533556
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-SA9A-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 615mA 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: 32032 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 274
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

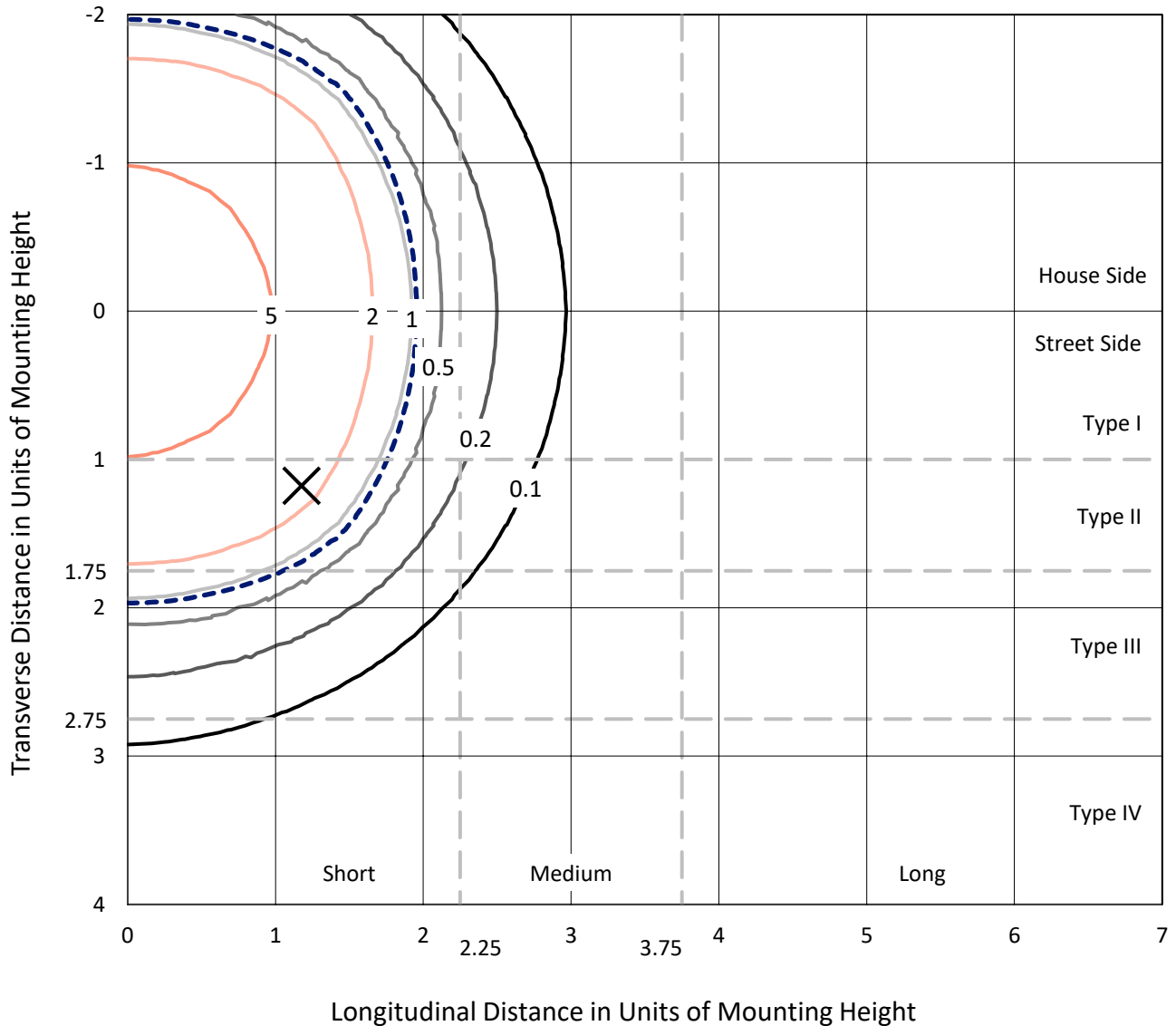




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Iso-Footcandle Lines of Horizontal Illumination

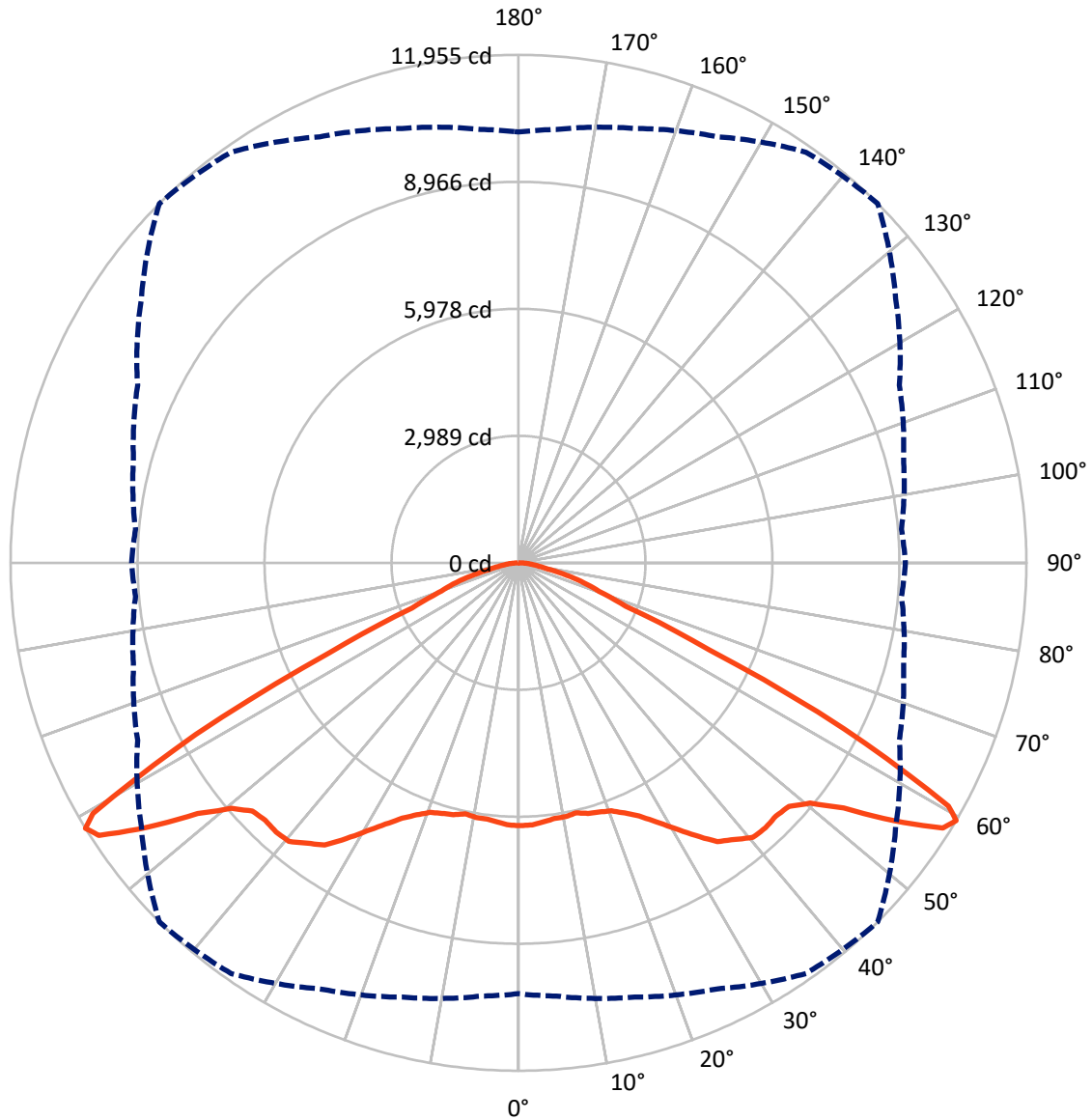
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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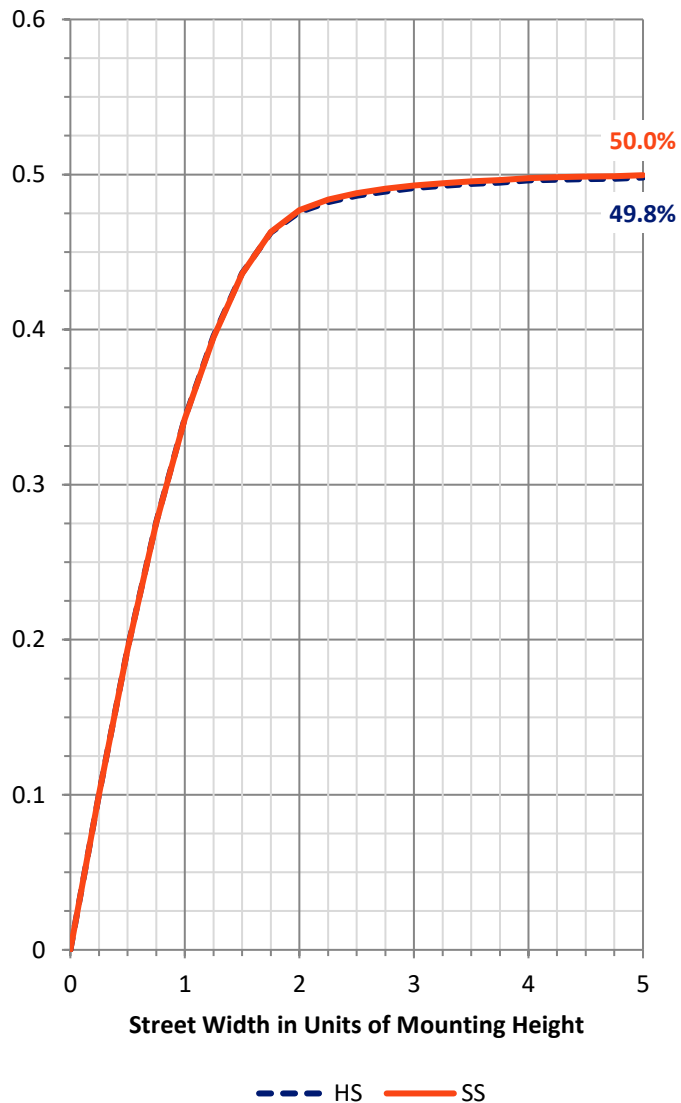
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16016.0	0.0	16016.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16016.0	0.0	16016.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32032.0	0.0	32032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.2	1.8
10°-20°	1734.5	5.4
20°-30°	3028.6	9.5
30°-40°	4837.0	15.1
40°-50°	6589.0	20.6
50°-60°	8910.1	27.8
60°-70°	4886.3	15.3
70°-80°	1250.1	3.9
80°-90°	213.2	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°	32032.0	100.0
0°-180°	32032.0	100.0

Coefficient of Utilization

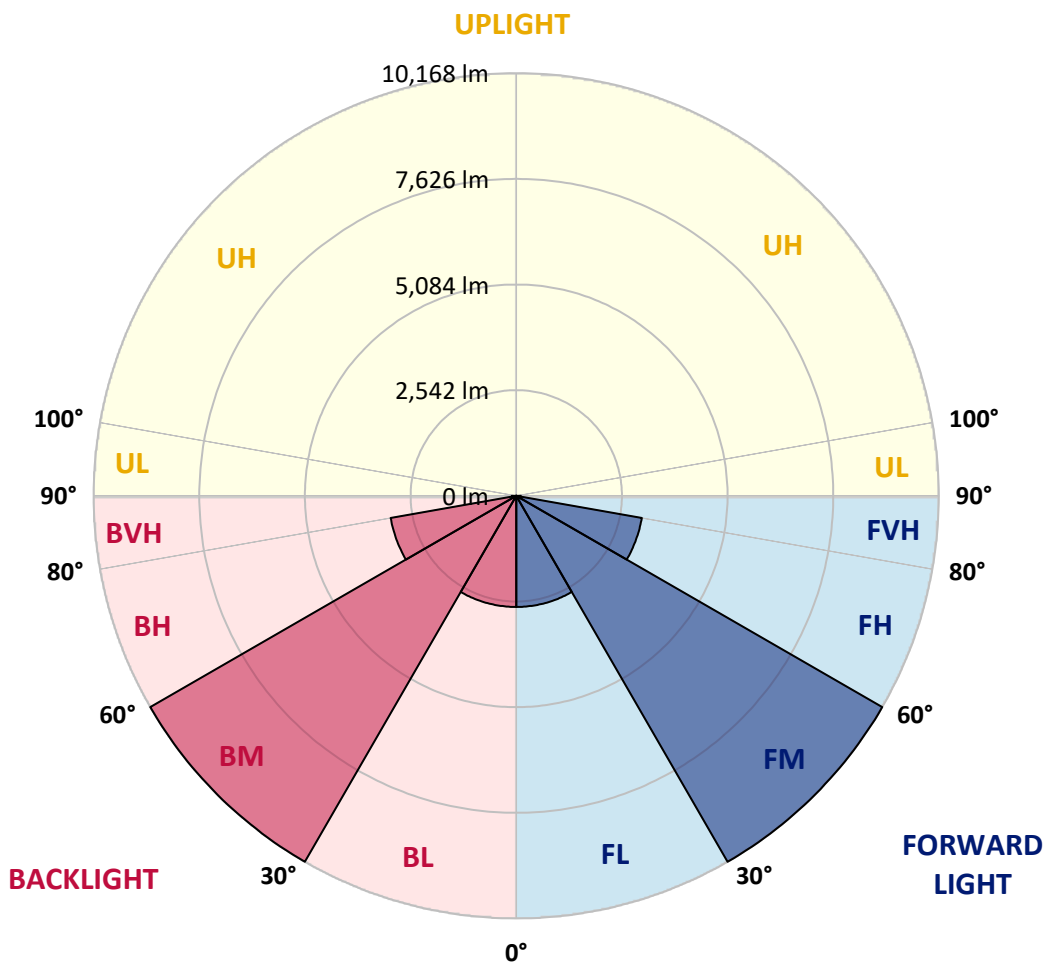


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2673.1	8.3			
FM (30°-60°)	10168.1	31.7			
FH (60°-80°)	3068.2	9.6			G2/5000
FVH (80°-90°)	106.6	0.3			G2/225
BL (0°-30°)	2673.1	8.3	B4/5000		
BM (30°-60°)	10168.1	31.7	B5		
BH (60°-80°)	3068.2	9.6	B4/5000		G2/5000
BVH (80°-90°)	106.6	0.3			G2/225
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°	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1	6187.1
2.5°	6150.1	6195.3	6162.4	6191.2	6187.1	6174.7	6154.2	6141.9	6125.5	6150.1	6109.0
5°	6125.5	6162.4	6199.4	6150.1	6150.1	6125.5	6113.2	6088.5	6088.5	6084.4	6080.3
7.5°	6166.5	6129.6	6113.2	6121.4	6129.6	6076.2	6113.2	6063.9	6022.8	6051.6	6084.4
10°	6129.6	6146.0	6084.4	6113.2	6068.0	6076.2	6051.6	6084.4	6039.3	6039.3	6039.3
12.5°	6166.5	6121.4	6141.9	6121.4	6109.0	6039.3	6072.1	6035.1	6031.0	6072.1	6035.1
15°	6240.4	6166.5	6150.1	6109.0	6121.4	6121.4	6088.5	6092.6	6047.5	6072.1	6080.3
17.5°	6215.8	6174.7	6162.4	6113.2	6154.2	6166.5	6104.9	6063.9	6092.6	6088.5	6084.4
20°	6236.3	6252.7	6240.4	6248.6	6265.1	6232.2	6174.7	6117.3	6080.3	6133.7	6129.6
22.5°	6367.7	6351.3	6343.1	6334.9	6363.6	6396.4	6318.4	6228.1	6228.1	6265.1	6281.5
25°	6474.4	6470.3	6466.2	6503.2	6601.7	6601.7	6503.2	6388.2	6359.5	6384.1	6363.6
27.5°	6630.4	6675.6	6659.2	6724.9	6868.6	6901.4	6770.0	6634.6	6556.5	6527.8	6564.8
30°	6987.6	6934.3	6946.6	7016.4	7143.6	7250.4	7049.2	6905.5	6798.8	6794.7	6811.1
32.5°	7225.8	7266.8	7303.8	7369.4	7570.6	7652.7	7410.5	7176.5	7110.8	7073.8	7086.2
35°	7702.0	7665.0	7656.8	7722.5	7923.7	8059.2	7755.4	7550.1	7463.9	7546.0	7546.0
37.5°	8153.6	8051.0	7973.0	8059.2	8243.9	8260.3	8001.7	7890.9	7845.7	7940.1	7936.0
40°	8367.1	8358.9	8178.2	8227.5	8473.8	8498.5	8256.2	8124.9	8116.7	8239.8	8363.0
42.5°	8588.8	8510.8	8330.1	8363.0	8514.9	8523.1	8293.2	8256.2	8346.6	8465.6	8473.8
45°	8625.7	8560.1	8445.1	8363.0	8473.8	8498.5	8363.0	8387.6	8395.8	8539.5	8539.5
47.5°	8699.6	8691.4	8625.7	8564.2	8584.7	8564.2	8477.9	8514.9	8638.1	8707.9	8675.0
50°	8904.9	8818.7	8884.4	8831.0	8835.1	8892.6	8814.6	8851.5	8826.9	8765.3	8724.3
52.5°	9356.5	9315.5	9373.0	9409.9	9451.0	9582.3	9492.0	9294.9	9110.2	8946.0	8941.9
55°	10017.5	10046.3	10157.1	10346.0	10506.1	10715.5	10280.3	9808.1	9512.5	9253.9	9270.3
57.5°	10641.6	10621.0	10772.9	11204.0	11672.1	11778.8	10924.8	10251.5	9771.2	9607.0	9537.2
59°	10140.7	10239.2	10584.1	11064.4	11799.3	11955.3	10838.6	9890.2	9381.2	9048.6	9106.1
60°	9352.4	9389.4	9697.3	10366.5	11360.0	11626.9	10259.7	9331.9	8654.5	8461.5	8547.7
62.5°	6609.9	6581.2	6802.9	7348.9	8239.8	8601.1	7628.1	6975.3	6548.3	6334.9	6384.1
65°	3514.3	3645.7	3736.0	4076.8	4548.9	4930.8	4528.4	4245.1	4007.0	3830.5	3826.4
67.5°	2373.0	2356.6	2377.1	2455.1	2615.2	2722.0	2713.8	2570.1	2549.5	2516.7	2553.6
70°	1999.4	1991.2	1954.2	1954.2	1987.1	2011.7	2040.5	2056.9	2089.7	2130.8	2126.7
72.5°	1621.7	1601.2	1576.5	1564.2	1605.3	1617.6	1654.5	1671.0	1699.7	1695.6	1732.5
75°	1071.5	1071.5	1100.3	1133.1	1145.4	1170.1	1174.2	1223.5	1223.5	1231.7	1198.8
77.5°	599.4	583.0	603.5	636.4	665.1	710.3	755.4	792.4	812.9	804.7	804.7
80°	349.0	349.0	369.5	406.4	443.4	484.5	517.3	546.0	566.6	558.4	541.9
82.5°	217.6	217.6	238.1	275.1	303.8	328.4	373.6	410.6	435.2	427.0	406.4
85°	110.8	110.8	135.5	160.1	197.1	213.5	209.4	193.0	188.9	168.3	168.3
87.5°	28.7	28.7	41.1	45.2	36.9	41.1	41.1	41.1	41.1	41.1	45.2
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)