

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: P532620

Luminaire Tested: **GALN-SA8A-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532620
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-SA8A-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 28531 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

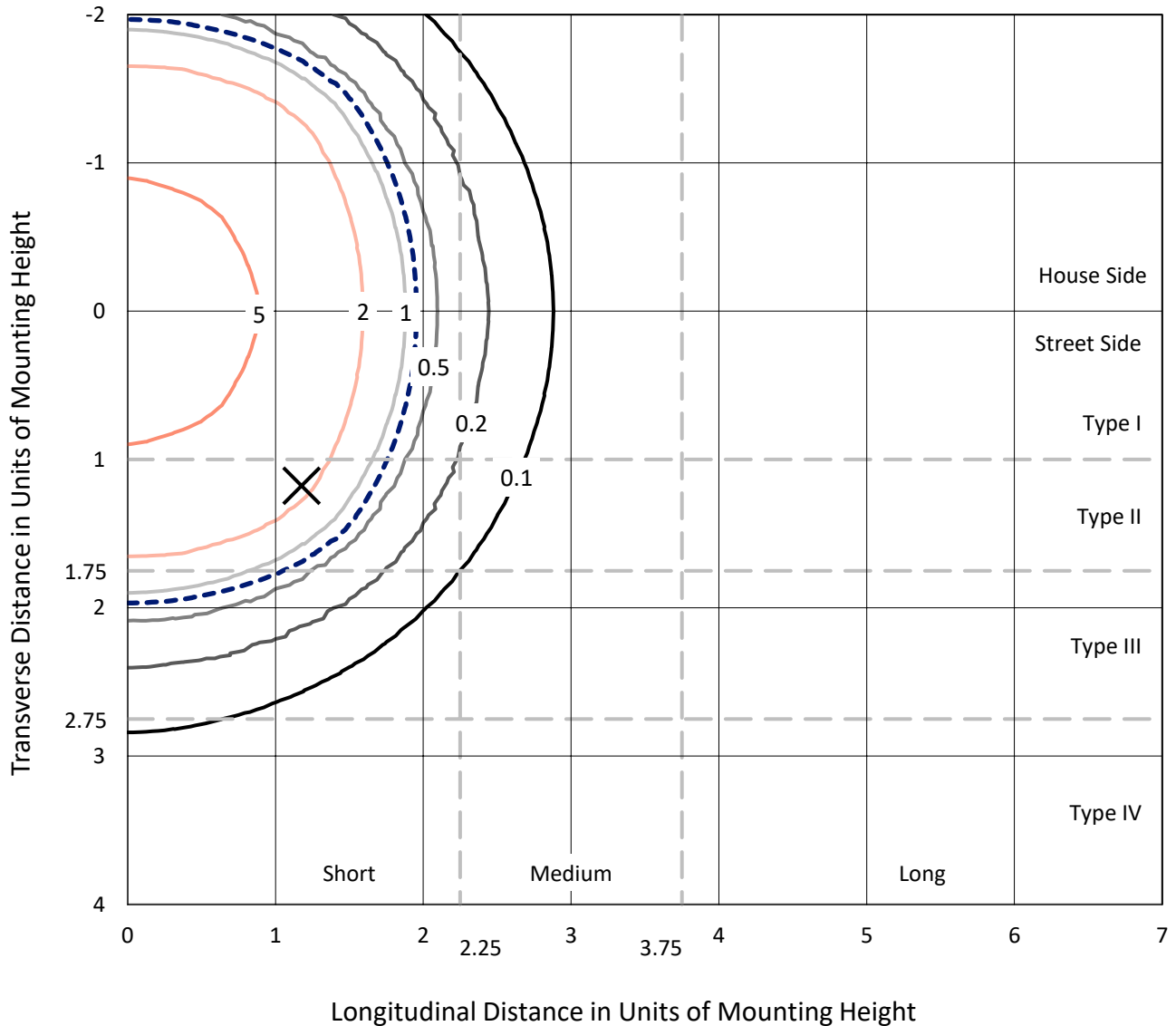
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

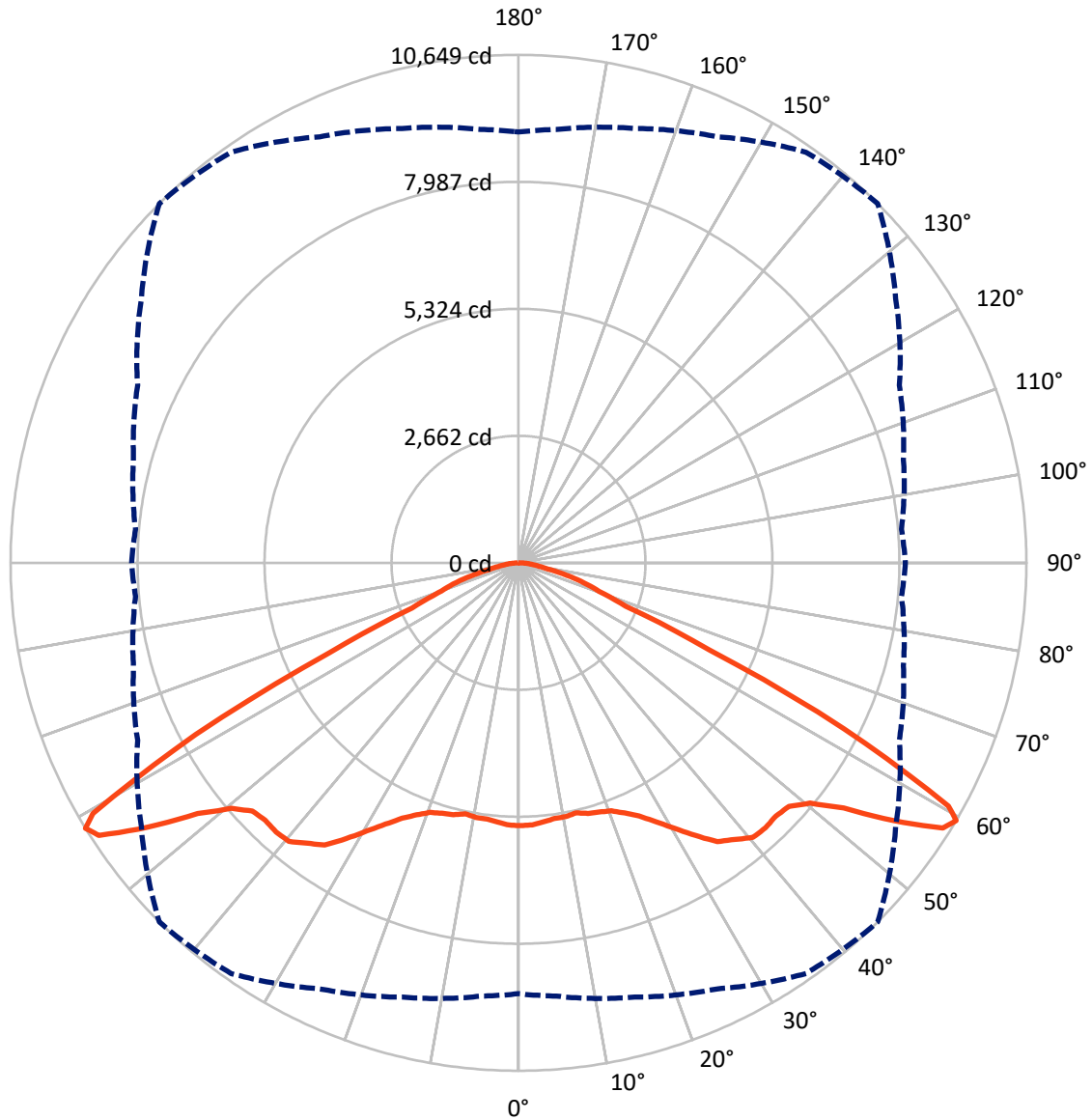
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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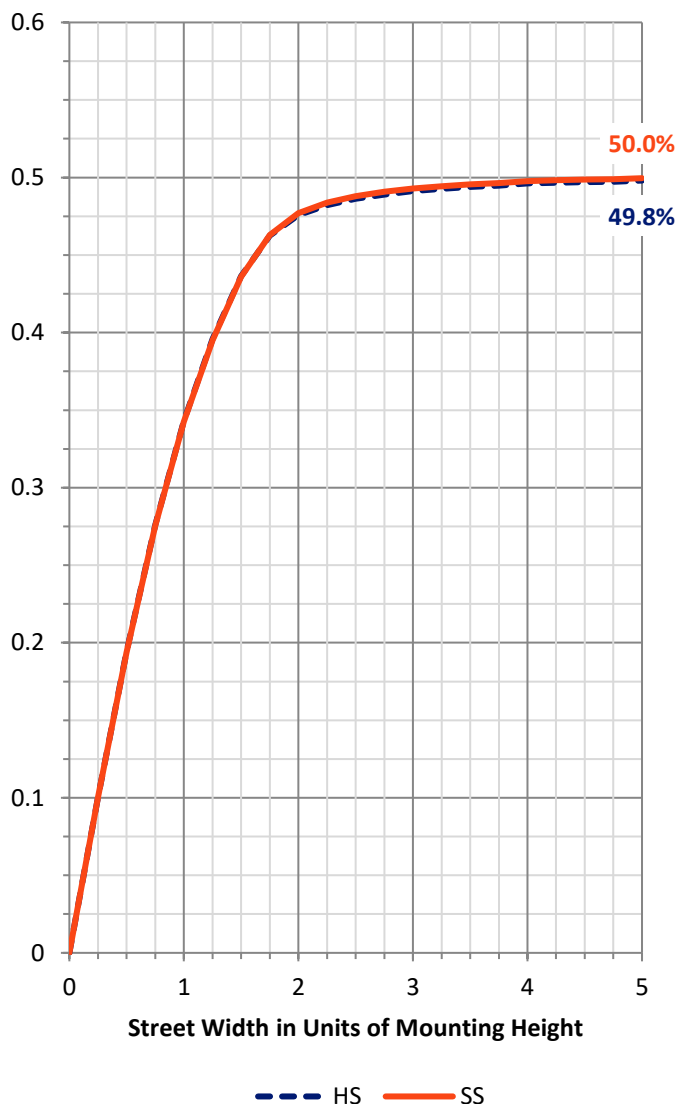
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14265.5	0.0	14265.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14265.5	0.0	14265.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28531.0	0.0	28531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.5	1.8
10°-20°	1544.9	5.4
20°-30°	2697.5	9.5
30°-40°	4308.4	15.1
40°-50°	5868.9	20.6
50°-60°	7936.3	27.8
60°-70°	4352.3	15.3
70°-80°	1113.4	3.9
80°-90°	189.9	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°	28531.0	100.0
0°-180°	28531.0	100.0

Coefficient of Utilization



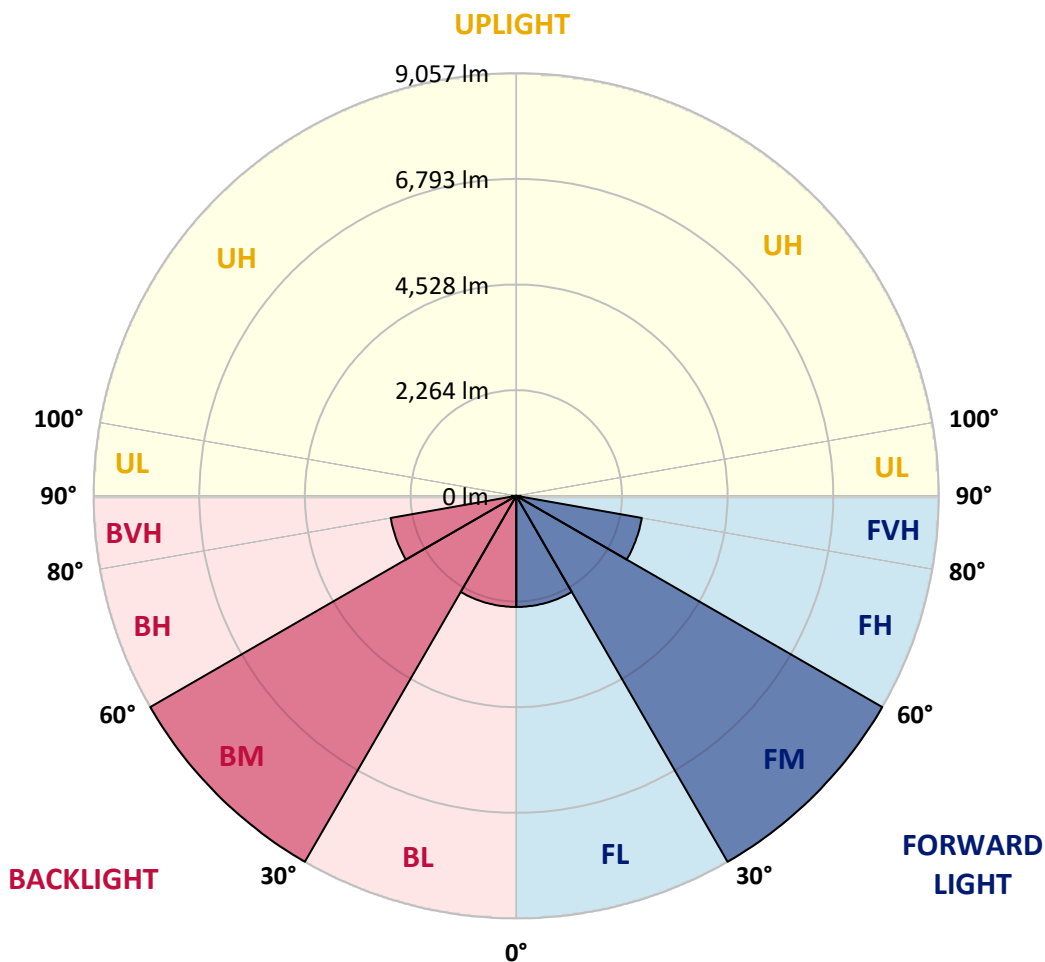
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2381.0	8.3			
FM (30°-60°)	9056.7	31.7			
FH (60°-80°)	2732.8	9.6			G2/5000
FVH (80°-90°)	95.0	0.3			G1/100
BL (0°-30°)	2381.0	8.3	B3/2500		
BM (30°-60°)	9056.7	31.7	B5		
BH (60°-80°)	2732.8	9.6	B4/5000		G2/5000
BVH (80°-90°)	95.0	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°	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8	5510.8
2.5°	5477.9	5518.1	5488.9	5514.5	5510.8	5499.9	5481.6	5470.6	5456.0	5477.9	5441.3
5°	5456.0	5488.9	5521.8	5477.9	5477.9	5456.0	5445.0	5423.1	5423.1	5419.4	5415.7
7.5°	5492.5	5459.6	5445.0	5452.3	5459.6	5412.1	5445.0	5401.1	5364.6	5390.1	5419.4
10°	5459.6	5474.3	5419.4	5445.0	5404.8	5412.1	5390.1	5419.4	5379.2	5379.2	5379.2
12.5°	5492.5	5452.3	5470.6	5452.3	5441.3	5379.2	5408.4	5375.5	5371.9	5408.4	5375.5
15°	5558.4	5492.5	5477.9	5441.3	5452.3	5452.3	5423.1	5426.7	5386.5	5408.4	5415.7
17.5°	5536.4	5499.9	5488.9	5445.0	5481.6	5492.5	5437.7	5401.1	5426.7	5423.1	5419.4
20°	5554.7	5569.3	5558.4	5565.7	5580.3	5551.0	5499.9	5448.7	5415.7	5463.3	5459.6
22.5°	5671.7	5657.1	5649.8	5642.5	5668.1	5697.3	5627.8	5547.4	5547.4	5580.3	5594.9
25°	5766.8	5763.1	5759.5	5792.4	5880.2	5880.2	5792.4	5690.0	5664.4	5686.4	5668.1
27.5°	5905.8	5946.0	5931.4	5989.9	6117.9	6147.1	6030.1	5909.4	5839.9	5814.3	5847.3
30°	6223.9	6176.4	6187.3	6249.5	6362.9	6457.9	6278.8	6150.8	6055.7	6052.0	6066.7
32.5°	6436.0	6472.6	6505.5	6564.0	6743.2	6816.3	6600.6	6392.1	6333.6	6300.7	6311.7
35°	6860.2	6827.3	6820.0	6878.5	7057.7	7178.3	6907.7	6724.9	6648.1	6721.2	6721.2
37.5°	7262.4	7171.0	7101.5	7178.3	7342.9	7357.5	7127.1	7028.4	6988.2	7072.3	7068.6
40°	7452.6	7445.3	7284.4	7328.3	7547.7	7569.6	7353.9	7236.8	7229.5	7339.2	7448.9
42.5°	7650.1	7580.6	7419.7	7448.9	7584.2	7591.6	7386.8	7353.9	7434.3	7540.4	7547.7
45°	7683.0	7624.5	7522.1	7448.9	7547.7	7569.6	7448.9	7470.9	7478.2	7606.2	7606.2
47.5°	7748.8	7741.5	7683.0	7628.1	7646.4	7628.1	7551.3	7584.2	7693.9	7756.1	7726.9
50°	7931.6	7854.8	7913.4	7865.8	7869.5	7920.7	7851.2	7884.1	7862.2	7807.3	7770.7
52.5°	8333.9	8297.3	8348.5	8381.4	8418.0	8535.0	8454.6	8279.0	8114.5	7968.2	7964.5
55°	8922.6	8948.2	9047.0	9215.2	9357.8	9544.3	9156.7	8736.1	8472.8	8242.5	8257.1
57.5°	9478.5	9460.2	9595.5	9979.5	10396.3	10491.4	9730.8	9131.1	8703.2	8557.0	8494.8
59°	9032.3	9120.1	9427.3	9855.1	10509.7	10648.7	9654.0	8809.3	8355.8	8059.6	8110.8
60°	8330.2	8363.1	8637.4	9233.5	10118.4	10356.1	9138.4	8311.9	7708.6	7536.7	7613.5
62.5°	5887.5	5861.9	6059.3	6545.7	7339.2	7661.0	6794.4	6212.9	5832.6	5642.5	5686.4
65°	3130.2	3247.3	3327.7	3631.2	4051.8	4391.8	4033.5	3781.1	3569.1	3411.8	3408.2
67.5°	2113.6	2099.0	2117.3	2186.8	2329.4	2424.5	2417.2	2289.2	2270.9	2241.6	2274.5
70°	1780.9	1773.6	1740.6	1740.6	1769.9	1791.8	1817.4	1832.1	1861.3	1897.9	1894.2
72.5°	1444.4	1426.2	1404.2	1393.2	1429.8	1440.8	1473.7	1488.3	1513.9	1510.3	1543.2
75°	954.4	954.4	980.0	1009.3	1020.3	1042.2	1045.8	1089.7	1089.7	1097.0	1067.8
77.5°	533.9	519.3	537.6	566.8	592.4	632.6	672.9	705.8	724.0	716.7	716.7
80°	310.8	310.8	329.1	362.0	394.9	431.5	460.8	486.4	504.6	497.3	482.7
82.5°	193.8	193.8	212.1	245.0	270.6	292.5	332.8	365.7	387.6	380.3	362.0
85°	98.7	98.7	120.7	142.6	175.5	190.2	186.5	171.9	168.2	149.9	149.9
87.5°	25.6	25.6	36.6	40.2	32.9	36.6	36.6	36.6	36.6	36.6	40.2
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)