

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: P532624

Luminaire Tested: **GALN-SA8A-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532624
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-SA8A-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 29468 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

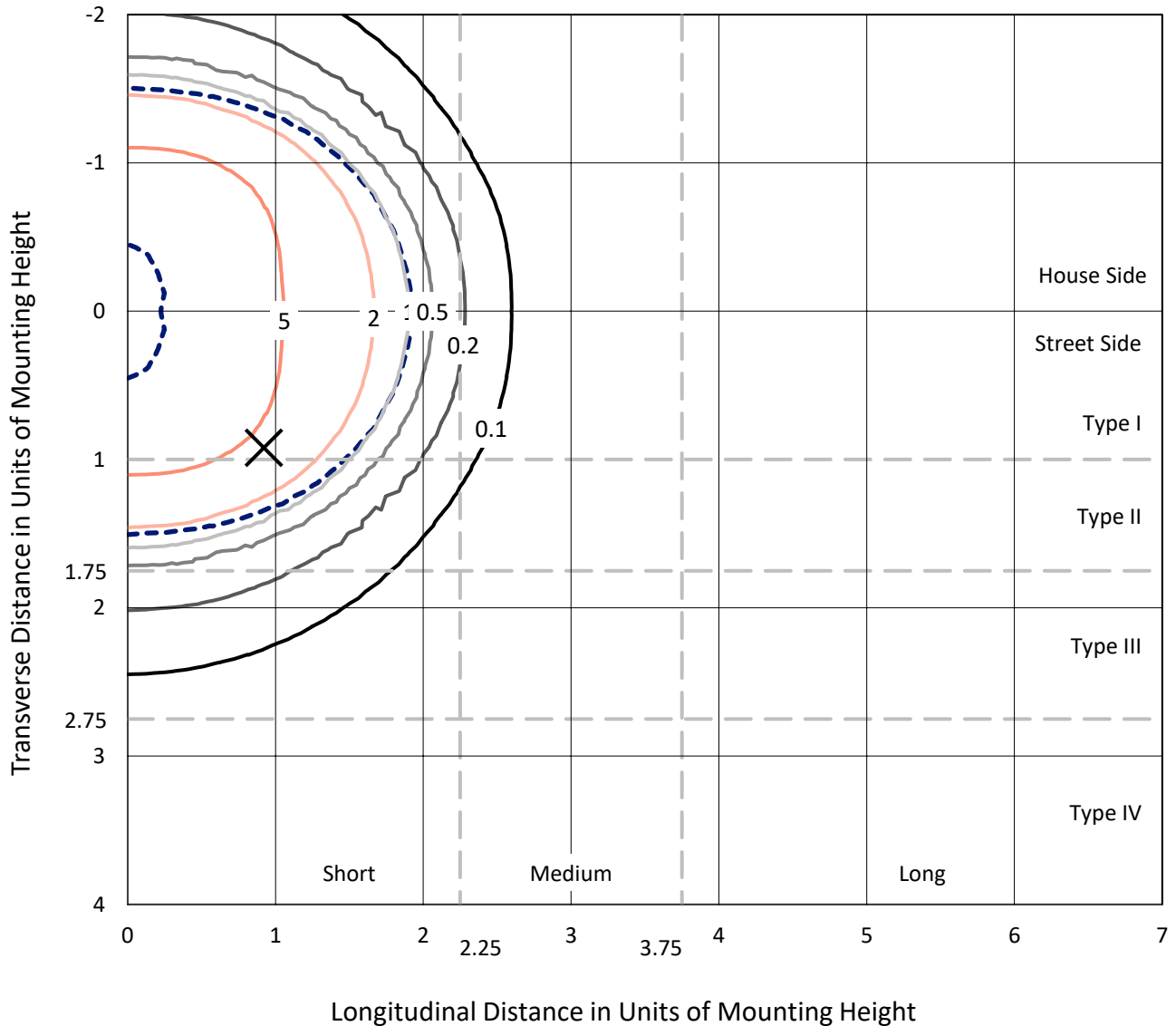
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

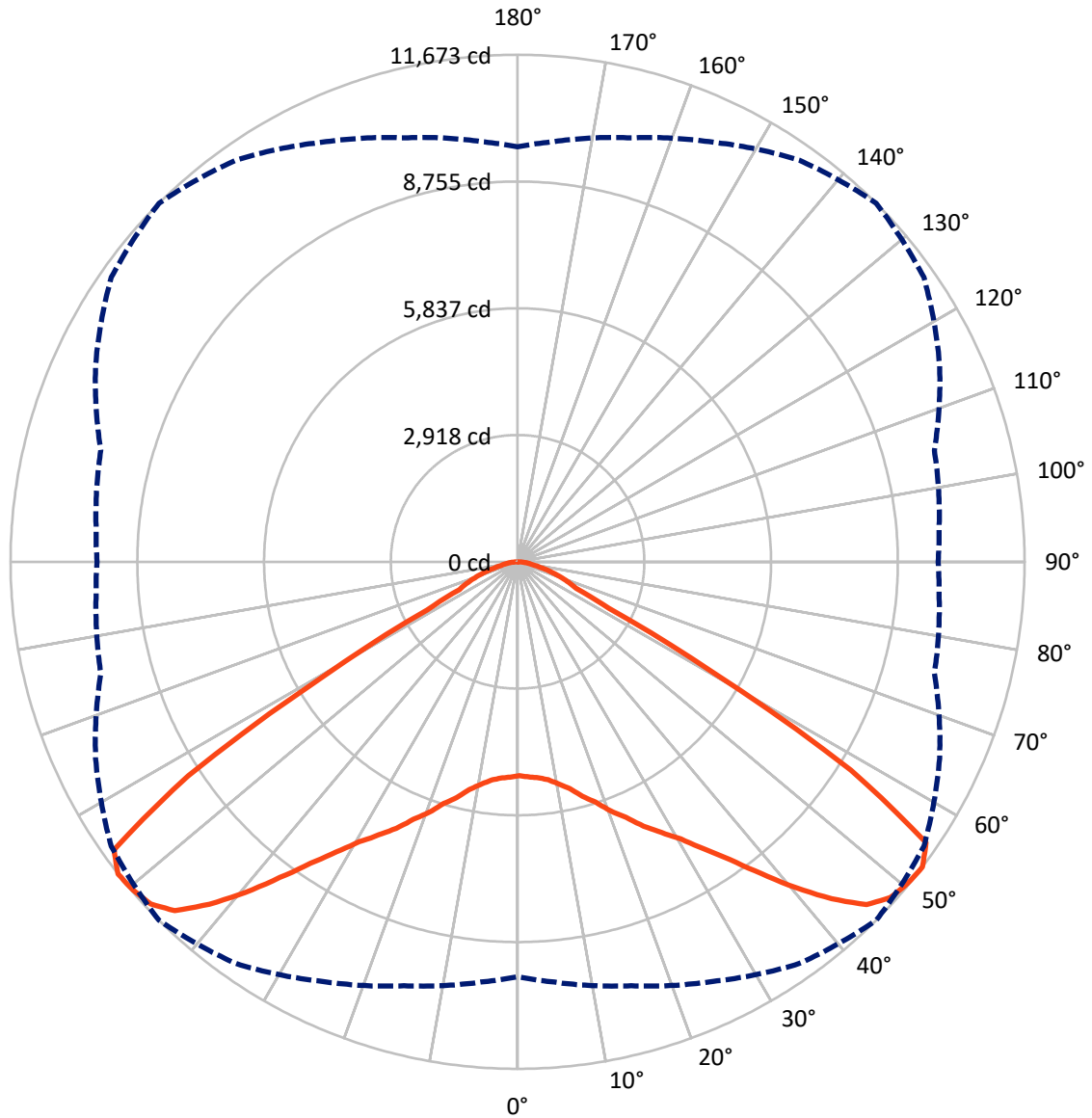
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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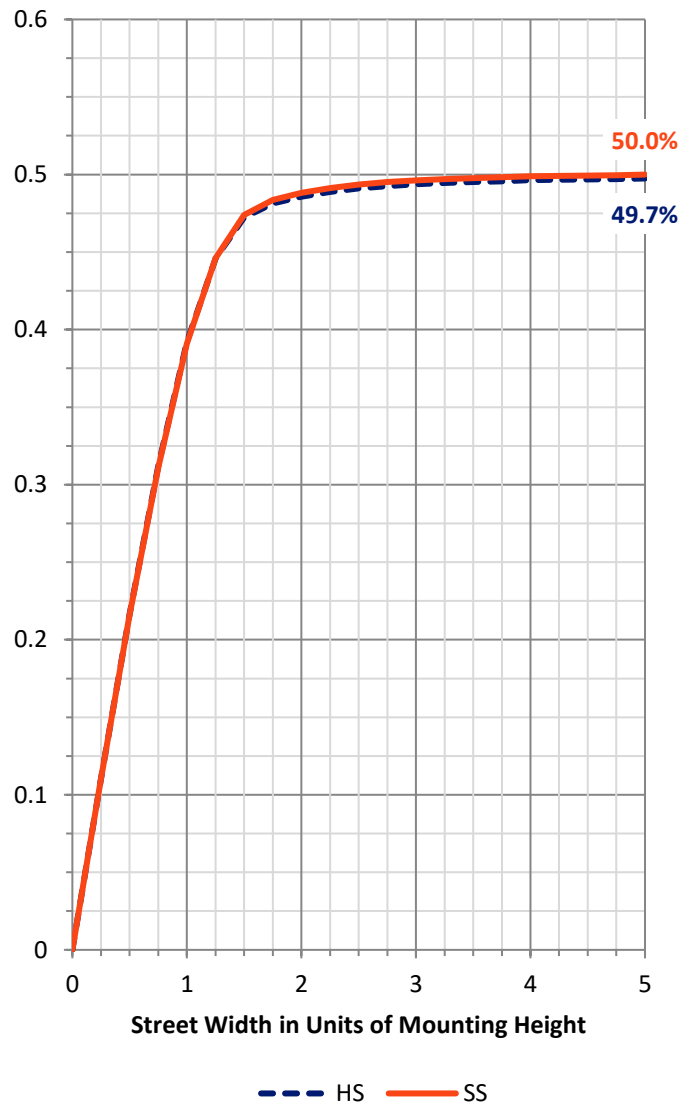
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14734.0	0.0	14734.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14734.0	0.0	14734.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29468.0	0.0	29468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	1.6
10°-20°	1590.3	5.4
20°-30°	3027.6	10.3
30°-40°	5198.7	17.6
40°-50°	7990.5	27.1
50°-60°	8114.2	27.5
60°-70°	2261.3	7.7
70°-80°	667.1	2.3
80°-90°	134.4	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°	29468.0	100.0
0°-180°	29468.0	100.0

Coefficient of Utilization



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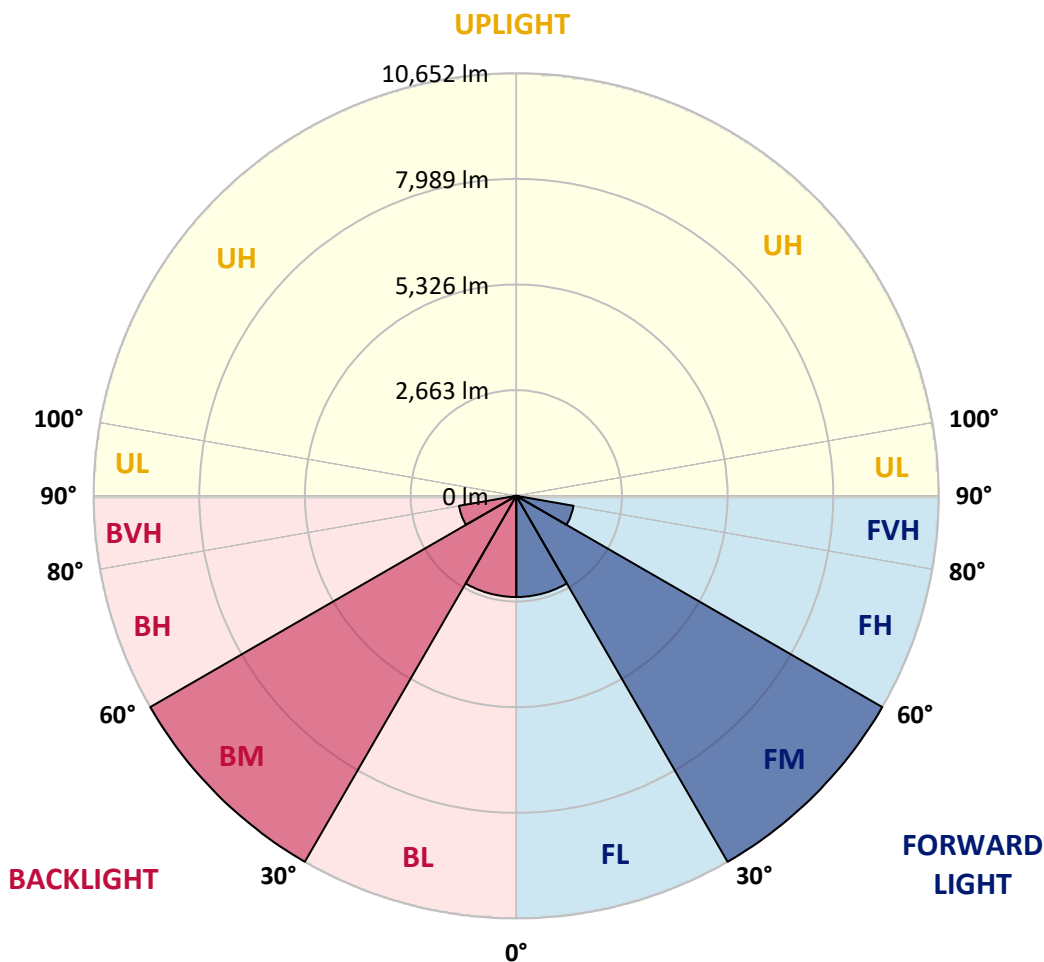
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2550.9	8.7			
FM (30°-60°)	10651.7	36.1			
FH (60°-80°)	1464.2	5.0			G1/1800
FVH (80°-90°)	67.2	0.2			G1/100
BL (0°-30°)	2550.9	8.7	B4/5000		
BM (30°-60°)	10651.7	36.1	B5		
BH (60°-80°)	1464.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	67.2	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°	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0	4926.0
2.5°	4936.9	4885.7	4904.0	4915.0	4962.5	4958.9	4947.9	4962.5	4977.2	4980.8	4973.5
5°	4933.3	4896.7	4911.3	4922.3	4969.8	4995.4	4988.1	5050.3	5094.2	5083.2	5138.1
7.5°	4904.0	4926.0	4907.7	4962.5	5002.8	5064.9	5130.8	5189.3	5244.1	5306.3	5317.3
10°	4969.8	4969.8	5002.8	5046.6	5152.7	5200.2	5295.3	5379.4	5485.5	5558.6	5529.4
12.5°	5039.3	5050.3	5050.3	5163.7	5251.4	5357.5	5445.3	5558.6	5708.6	5796.3	5840.2
15°	5108.8	5116.1	5152.7	5306.3	5437.9	5606.2	5686.6	5789.0	5873.1	6037.7	6041.3
17.5°	5171.0	5211.2	5320.9	5492.8	5657.4	5818.3	5946.3	6052.3	6125.5	6191.3	6176.7
20°	5405.0	5434.3	5547.7	5719.5	5964.5	6121.8	6165.7	6184.0	6231.5	6363.2	6322.9
22.5°	5631.8	5642.7	5748.8	6012.1	6184.0	6392.4	6440.0	6429.0	6447.3	6480.2	6538.7
25°	5865.8	5884.1	6030.4	6253.5	6494.8	6743.5	6783.7	6699.6	6674.0	6710.6	6714.2
27.5°	6165.7	6169.3	6355.8	6549.7	6823.9	7058.0	7120.2	7054.3	6933.7	6962.9	7010.4
30°	6546.0	6520.4	6706.9	6984.8	7273.8	7405.4	7511.5	7478.5	7346.9	7321.3	7281.1
32.5°	6984.8	6992.2	7160.4	7463.9	7654.1	7873.5	7986.9	7932.0	7847.9	7804.0	7829.6
35°	7602.9	7635.8	7749.2	8001.5	8308.7	8418.4	8597.6	8480.6	8261.1	8316.0	8363.5
37.5°	8111.2	8206.3	8418.4	8718.3	8901.1	9102.2	9168.1	9010.8	8849.9	8784.1	8941.3
40°	8890.1	8860.9	9094.9	9394.8	9665.4	9866.6	9782.4	9625.2	9226.6	9230.2	9274.1
42.5°	9559.4	9574.0	9753.2	10111.6	10480.9	10605.3	10338.3	9954.3	9511.8	9464.3	9559.4
45°	10122.5	10181.1	10283.5	10762.5	11124.6	11259.9	10766.2	10312.7	9720.3	9522.8	9680.1
47.5°	10323.7	10418.8	10641.8	11080.7	11439.1	11548.8	11153.8	10502.9	9914.1	9592.3	9676.4
50°	10352.9	10320.0	10685.7	11088.0	11402.5	11640.2	11292.8	10641.8	9866.6	9698.3	9672.7
52.5°	9552.1	9713.0	10104.3	10656.5	11292.8	11673.1	11417.1	10718.6	9932.4	9742.2	9680.1
55°	7730.9	7540.7	8253.8	9182.7	10352.9	11409.8	11373.2	10758.9	9972.6	9815.4	9731.2
57.5°	4315.2	4370.1	4772.4	5781.7	7292.0	9047.4	10111.6	10334.7	9954.3	9862.9	9906.8
60°	1996.7	2015.0	2186.9	2658.6	3594.8	5130.8	6531.4	7954.0	8608.6	8740.2	8740.2
62.5°	1488.4	1481.1	1525.0	1609.1	1806.6	2358.8	3148.7	4278.7	5178.3	5807.3	5971.9
65°	1345.8	1342.1	1364.1	1393.3	1407.9	1484.7	1660.3	2007.7	2300.2	2468.5	2439.2
67.5°	1177.6	1173.9	1181.2	1199.5	1225.1	1265.3	1309.2	1382.3	1484.7	1477.4	1459.1
70°	950.8	950.8	961.8	976.4	1005.7	1053.2	1104.4	1155.6	1243.4	1261.7	1258.0
72.5°	702.1	691.2	713.1	742.4	771.6	830.1	885.0	932.5	994.7	1013.0	1005.7
75°	446.2	453.5	468.1	501.0	552.2	592.4	650.9	691.2	731.4	746.0	749.7
77.5°	248.7	256.0	281.6	321.8	373.0	416.9	468.1	501.0	526.6	530.3	533.9
80°	149.9	153.6	179.2	215.8	259.6	307.2	347.4	380.3	402.3	391.3	387.6
82.5°	91.4	95.1	117.0	149.9	186.5	223.1	267.0	296.2	318.2	303.5	288.9
85°	47.5	51.2	69.5	91.4	120.7	139.0	139.0	124.3	120.7	113.4	109.7
87.5°	14.6	14.6	18.3	21.9	18.3	21.9	25.6	29.3	29.3	32.9	29.3
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)