

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: P652045

Luminaire Tested: **GALN-SA8A-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652045
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-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 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: 26347.7 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - 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

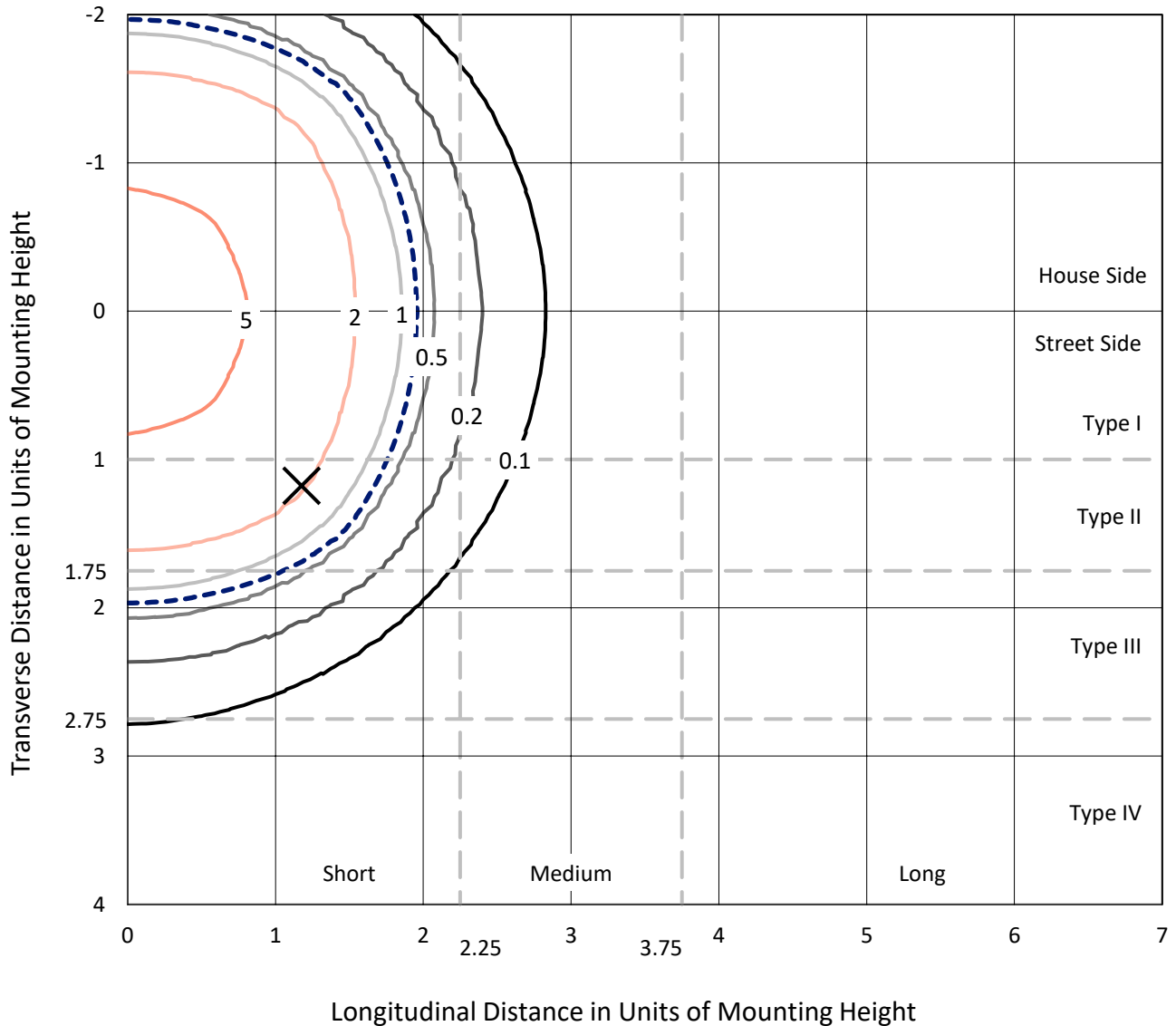




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Iso-Footcandle Lines of Horizontal Illumination

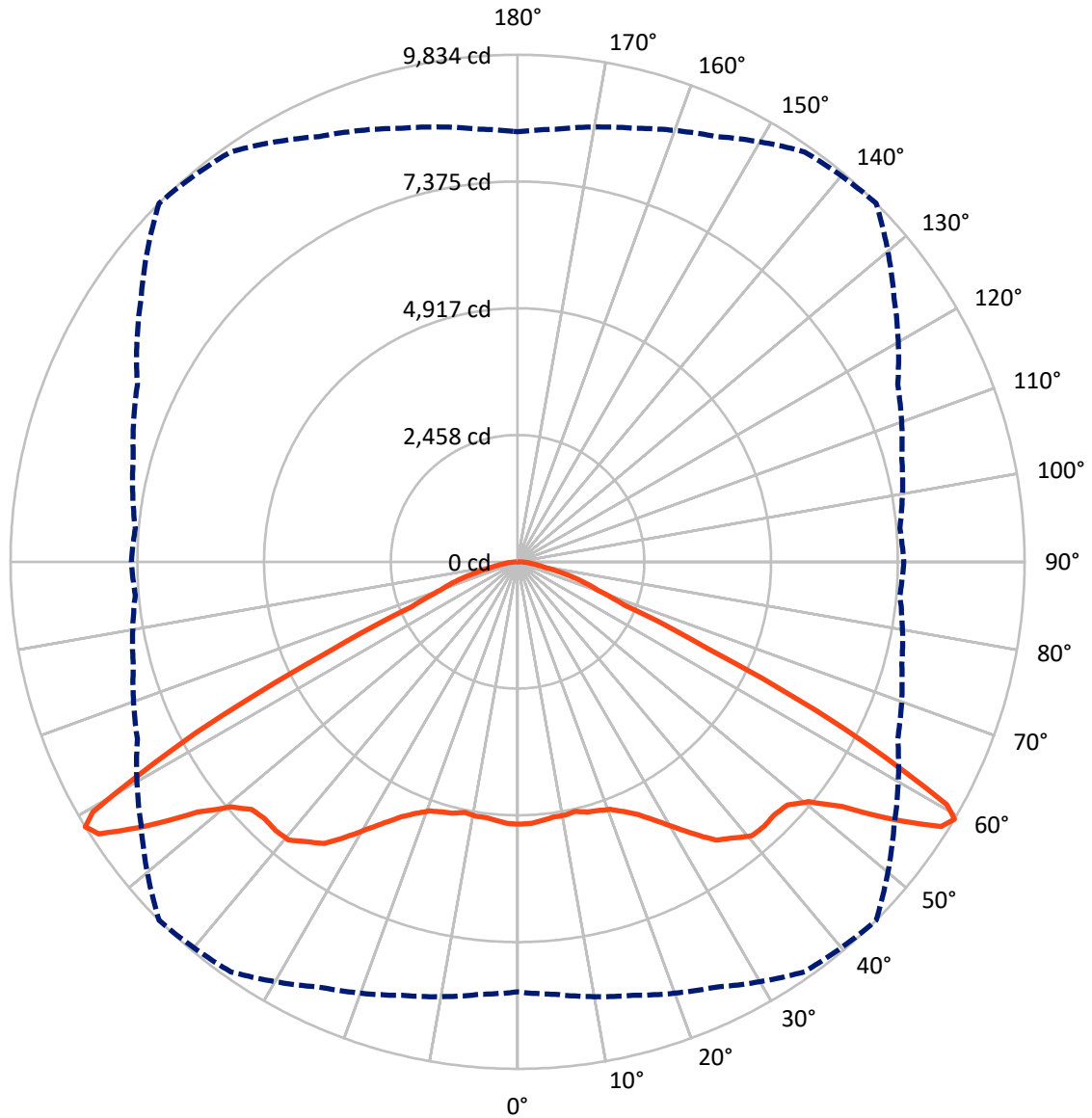
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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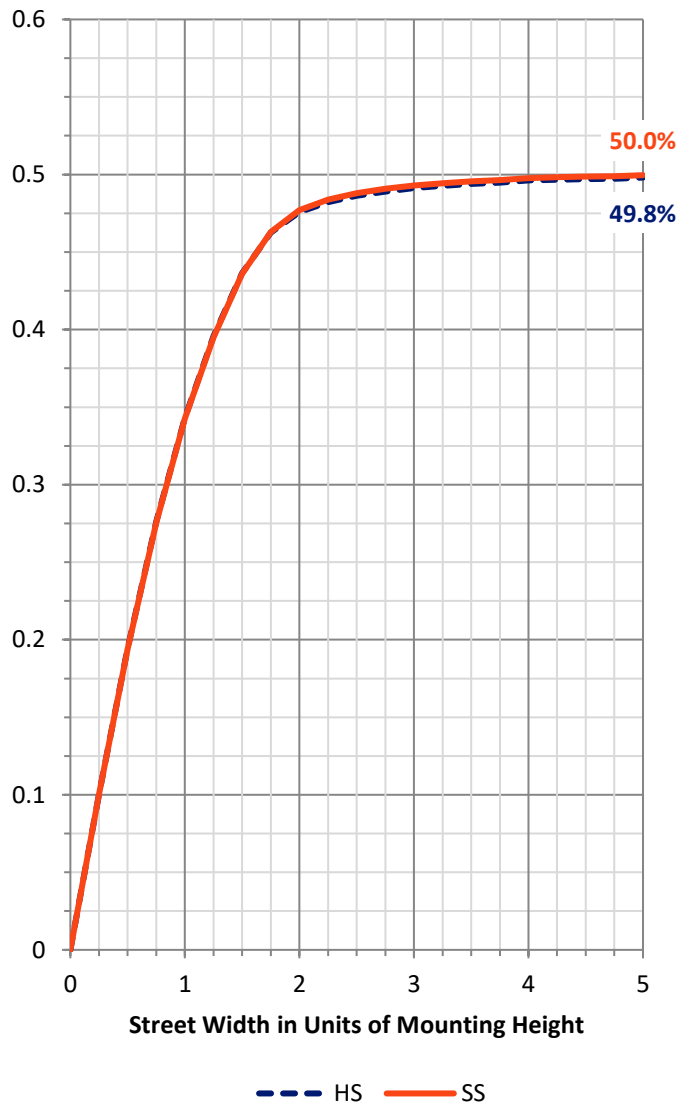
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13173.8	0.0	13173.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13173.8	0.0	13173.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	26347.7	0.0	26347.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.7	1.8
10°-20°	1426.7	5.4
20°-30°	2491.1	9.5
30°-40°	3978.7	15.1
40°-50°	5419.7	20.6
50°-60°	7329.0	27.8
60°-70°	4019.2	15.3
70°-80°	1028.2	3.9
80°-90°	175.4	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°	26347.7	100.0
0°-180°	26347.7	100.0

Coefficient of Utilization

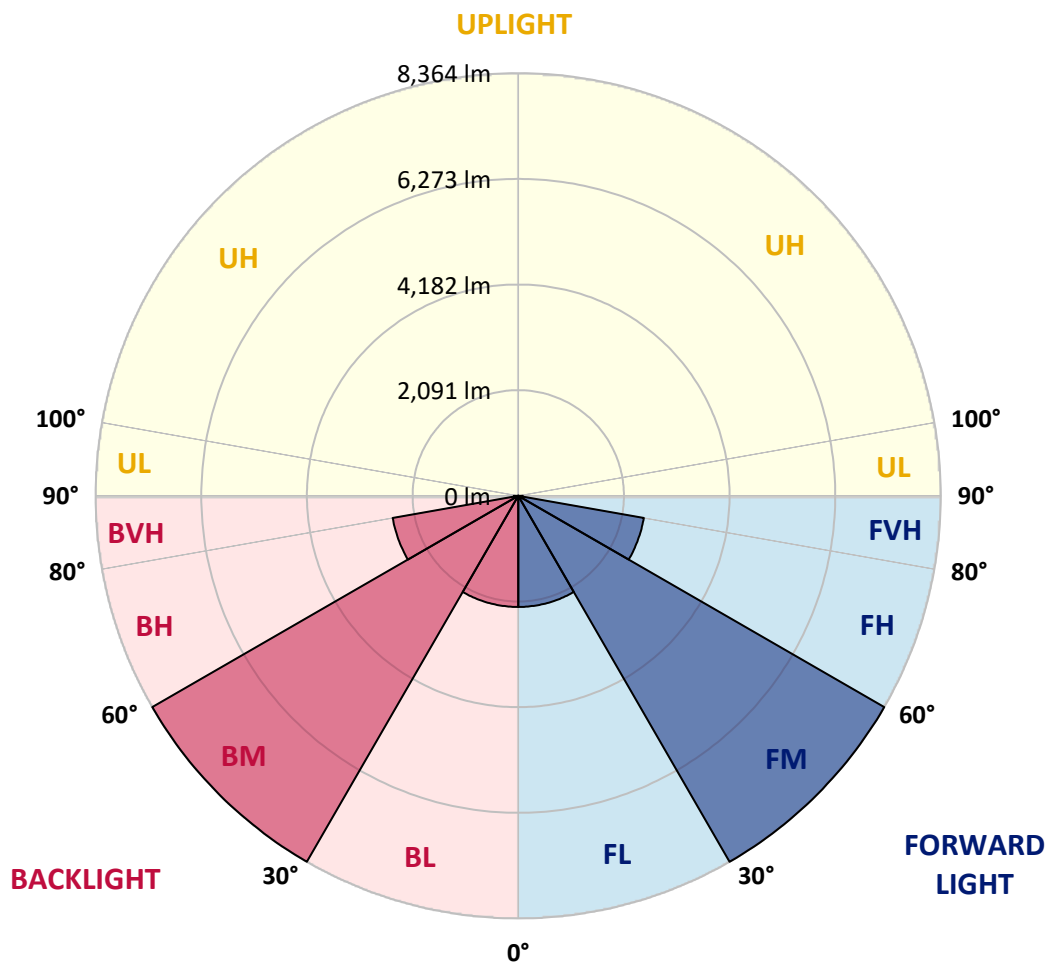


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2198.8	8.3			
FM (30°-60°)	8363.7	31.7			
FH (60°-80°)	2523.7	9.6			G2/5000
FVH (80°-90°)	87.7	0.3			G1/100
BL (0°-30°)	2198.8	8.3	B3/2500		
BM (30°-60°)	8363.7	31.7	B4/8500		
BH (60°-80°)	2523.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	87.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1	5089.1
2.5°	5058.7	5095.9	5068.9	5092.5	5089.1	5079.0	5062.1	5052.0	5038.4	5058.7	5025.0
5°	5038.4	5068.9	5099.2	5058.7	5058.7	5038.4	5028.3	5008.1	5008.1	5004.7	5001.3
7.5°	5072.2	5041.8	5028.3	5035.1	5041.8	4997.9	5028.3	4987.8	4954.0	4977.7	5004.7
10°	5041.8	5055.3	5004.7	5028.3	4991.2	4997.9	4977.7	5004.7	4967.5	4967.5	4967.5
12.5°	5072.2	5035.1	5052.0	5035.1	5025.0	4967.5	4994.5	4964.2	4960.8	4994.5	4964.2
15°	5133.0	5072.2	5058.7	5025.0	5035.1	5035.1	5008.1	5011.4	4974.3	4994.5	5001.3
17.5°	5112.8	5079.0	5068.9	5028.3	5062.1	5072.2	5021.6	4987.8	5011.4	5008.1	5004.7
20°	5129.6	5143.1	5133.0	5139.8	5153.3	5126.2	5079.0	5031.7	5001.3	5045.2	5041.8
22.5°	5237.7	5224.2	5217.5	5210.7	5234.3	5261.4	5197.2	5122.9	5122.9	5153.3	5166.8
25°	5325.5	5322.1	5318.7	5349.2	5430.2	5430.2	5349.2	5254.6	5230.9	5251.2	5234.3
27.5°	5453.8	5491.0	5477.4	5531.5	5649.7	5676.8	5568.7	5457.2	5393.1	5369.4	5399.8
30°	5747.6	5703.7	5713.8	5771.3	5876.0	5963.8	5798.3	5680.1	5592.3	5588.9	5602.4
32.5°	5943.5	5977.2	6007.7	6061.7	6227.2	6294.7	6095.5	5903.0	5848.9	5818.5	5828.6
35°	6335.3	6304.8	6298.1	6352.1	6517.6	6629.0	6379.2	6210.3	6139.4	6206.9	6206.9
37.5°	6706.7	6622.3	6558.1	6629.0	6781.0	6794.5	6581.8	6490.6	6453.4	6531.1	6527.7
40°	6882.3	6875.5	6727.0	6767.4	6970.1	6990.4	6791.1	6683.1	6676.3	6777.6	6878.9
42.5°	7064.7	7000.5	6851.9	6878.9	7003.8	7010.6	6821.5	6791.1	6865.4	6963.3	6970.1
45°	7095.0	7041.0	6946.5	6878.9	6970.1	6990.4	6878.9	6899.1	6906.0	7024.1	7024.1
47.5°	7155.8	7149.1	7095.0	7044.4	7061.3	7044.4	6973.5	7003.8	7105.2	7162.5	7135.5
50°	7324.7	7253.8	7307.8	7263.9	7267.2	7314.5	7250.3	7280.8	7260.5	7209.9	7176.1
52.5°	7696.2	7662.4	7709.6	7740.1	7773.8	7881.9	7807.6	7645.5	7493.6	7358.4	7355.0
55°	8239.9	8263.5	8354.7	8510.0	8641.7	8813.9	8456.0	8067.6	7824.5	7611.7	7625.3
57.5°	8753.1	8736.2	8861.2	9215.8	9600.8	9688.6	8986.2	8432.3	8037.2	7902.1	7844.8
59°	8341.1	8422.2	8705.9	9101.0	9705.5	9833.8	8915.3	8135.2	7716.4	7442.8	7490.1
60°	7692.8	7723.2	7976.5	8526.9	9344.1	9563.6	8439.1	7675.9	7118.6	6959.9	7030.8
62.5°	5437.0	5413.3	5595.7	6044.8	6777.6	7074.7	6274.4	5737.5	5386.3	5210.7	5251.2
65°	2890.7	2998.8	3073.0	3353.3	3741.7	4055.7	3724.8	3491.8	3296.0	3150.7	3147.4
67.5°	1951.9	1938.4	1955.2	2019.4	2151.1	2238.9	2232.2	2114.0	2097.1	2070.1	2100.5
70°	1644.6	1637.8	1607.4	1607.4	1634.5	1654.8	1678.4	1691.8	1718.9	1752.6	1749.3
72.5°	1333.9	1317.0	1296.7	1286.6	1320.4	1330.5	1360.9	1374.4	1398.1	1394.7	1425.1
75°	881.4	881.4	905.0	932.1	942.2	962.4	965.8	1006.3	1006.3	1013.1	986.1
77.5°	493.1	479.5	496.4	523.4	547.1	584.2	621.3	651.8	668.7	661.9	661.9
80°	287.0	287.0	303.9	334.3	364.7	398.5	425.5	449.2	466.0	459.3	445.7
82.5°	179.0	179.0	195.9	226.2	249.9	270.1	307.3	337.7	357.9	351.2	334.3
85°	91.2	91.2	111.4	131.7	162.1	175.6	172.2	158.7	155.3	138.4	138.4
87.5°	23.6	23.6	33.8	37.2	30.4	33.8	33.8	33.8	33.8	33.8	37.2
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)