

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: P532722

Luminaire Tested: **GALN-SA8A-760-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-760-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33262 lumens
Efficiency: N/A
Efficacy: 136.3 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

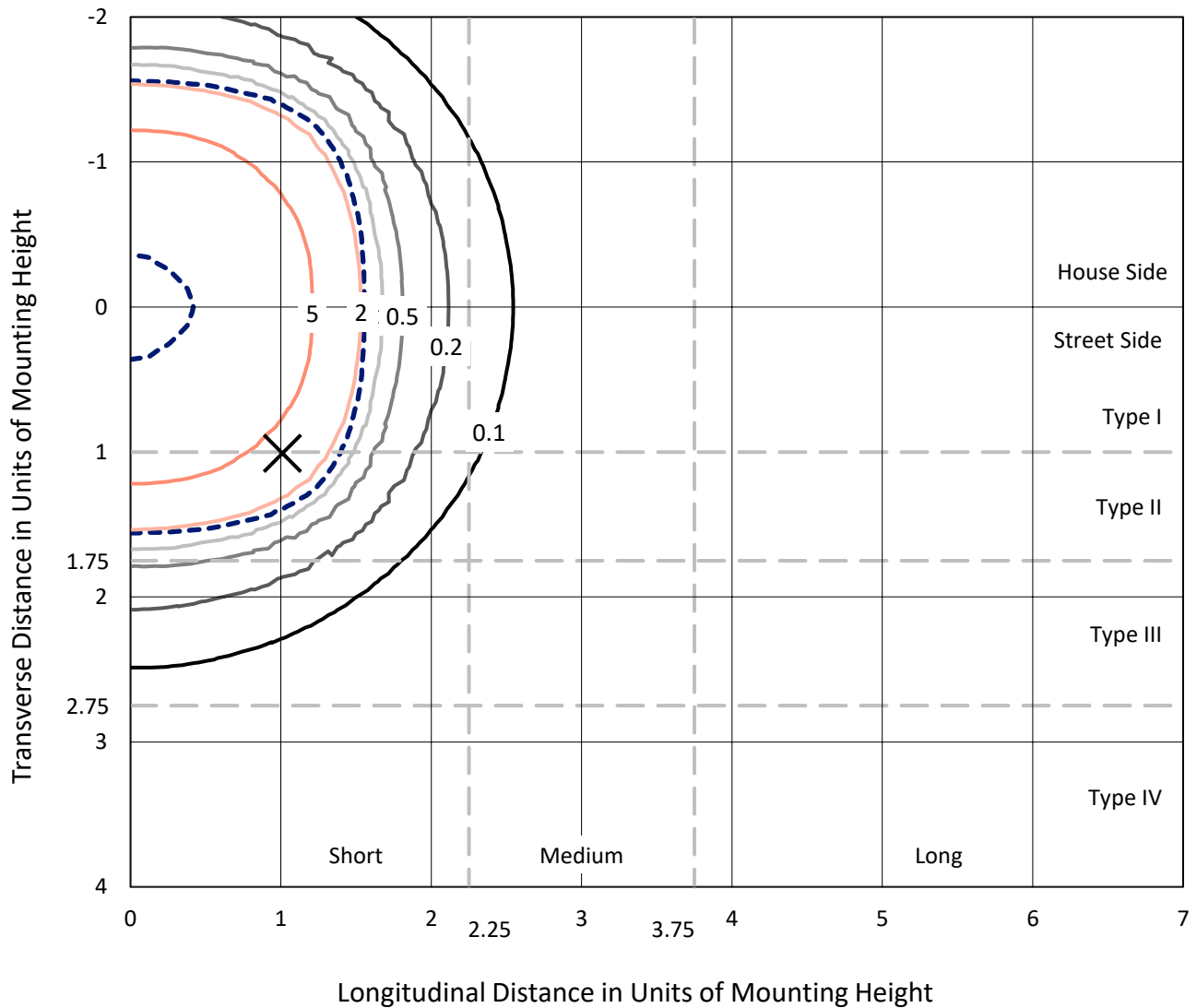
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

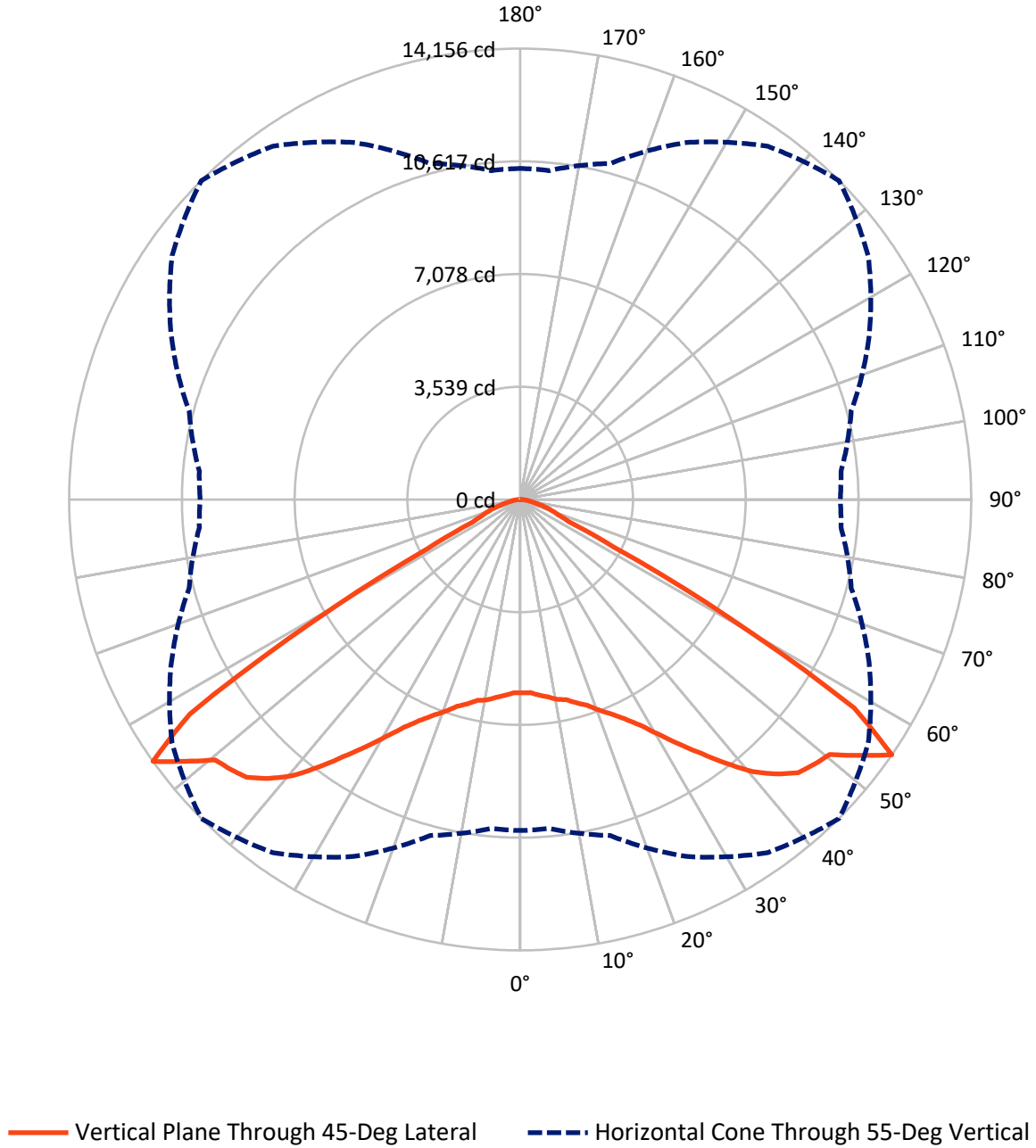
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	16631.0	0.0	16631.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16631.0	0.0	16631.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33262.0	0.0	33262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.3	1.8
10°-20°	1879.8	5.7
20°-30°	3505.3	10.5
30°-40°	5869.0	17.6
40°-50°	9132.7	27.5
50°-60°	9482.6	28.5
60°-70°	2010.9	6.0
70°-80°	662.3	2.0
80°-90°	126.1	0.4
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°	33262.0	100.0
0°-180°	33262.0	100.0

Coefficient of Utilization



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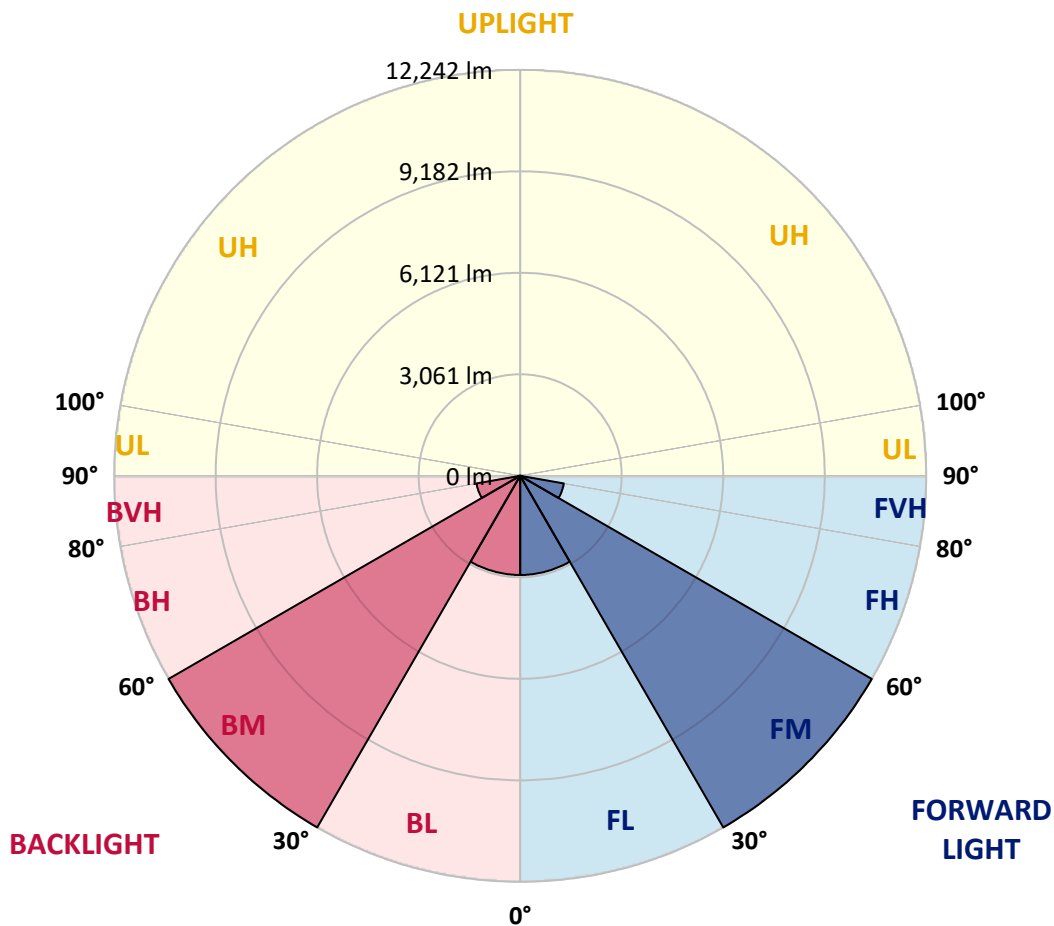
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2989.2	9.0			
FM (30°-60°)	12242.1	36.8			
FH (60°-80°)	1336.6	4.0			G1/1800
FVH (80°-90°)	63.1	0.2			G1/100
BL (0°-30°)	2989.2	9.0	B4/5000		
BM (30°-60°)	12242.1	36.8	B5		
BH (60°-80°)	1336.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	63.1	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°	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1	6073.1
2.5°	6145.5	6117.4	6069.1	6105.3	6133.4	6073.1	6097.3	6109.3	6101.3	6069.1	6081.2
5°	6233.9	6217.8	6177.6	6205.8	6169.6	6169.6	6145.5	6113.3	6161.6	6153.5	6173.6
7.5°	6233.9	6213.8	6294.2	6242.0	6258.0	6258.0	6217.8	6185.7	6209.8	6173.6	6153.5
10°	6358.5	6386.6	6350.5	6362.5	6354.5	6382.6	6322.3	6302.2	6282.1	6270.1	6246.0
12.5°	6507.2	6487.1	6499.2	6491.2	6519.3	6446.9	6410.8	6366.6	6402.7	6350.5	6386.6
15°	6627.8	6615.7	6627.8	6660.0	6631.8	6627.8	6563.5	6519.3	6463.0	6475.1	6418.8
17.5°	6792.6	6780.5	6784.6	6812.7	6808.7	6788.6	6740.3	6655.9	6635.8	6603.7	6567.5
20°	7037.8	7017.7	7009.6	7021.7	7041.8	7057.9	6961.4	6929.3	6860.9	6808.7	6748.4
22.5°	7246.8	7238.7	7270.9	7218.6	7262.9	7311.1	7218.6	7202.6	7033.8	7005.6	6941.3
25°	7536.2	7524.1	7504.0	7580.4	7632.6	7628.6	7540.2	7451.8	7323.1	7291.0	7291.0
27.5°	7841.6	7773.3	7877.8	7897.9	7990.3	8018.5	7942.1	7813.5	7692.9	7624.6	7640.7
30°	8223.5	8159.2	8183.3	8328.0	8448.5	8553.0	8360.1	8171.2	8002.4	7881.8	7861.7
32.5°	8605.3	8541.0	8613.3	8754.0	8995.2	9151.9	8963.0	8633.4	8436.5	8259.6	8295.8
35°	8914.8	8963.0	9079.6	9292.6	9541.8	9795.0	9493.6	9240.3	8959.0	8762.0	8790.2
37.5°	9413.2	9561.9	9654.3	9899.5	10253.2	10514.5	10201.0	9871.4	9569.9	9312.7	9224.3
40°	10064.3	10164.8	10269.3	10558.7	10976.7	11237.9	10940.5	10510.4	10213.0	9947.7	9935.7
42.5°	10779.7	10876.2	10984.7	11338.4	11587.6	11784.6	11511.2	11282.1	10952.6	10743.6	10731.5
45°	11611.7	11543.4	11664.0	11897.1	12106.1	12234.7	12057.9	11945.3	11708.2	11515.3	11495.2
47.5°	12166.4	12106.1	12323.1	12532.1	12564.3	12423.6	12459.8	12564.3	12315.1	11997.6	12098.1
50°	12487.9	12487.9	12632.6	12825.5	12765.3	12584.4	12869.8	12877.8	12628.6	12347.3	12347.3
52.5°	11929.2	12053.8	12463.8	13094.8	13295.8	13348.1	13283.7	13010.4	12359.3	11784.6	11756.4
55°	10393.9	10365.7	10920.4	12367.4	13537.0	14155.9	13336.0	12078.0	10755.6	10108.5	10044.2
57.5°	6760.4	6792.6	7620.6	9095.7	11205.8	12359.3	10976.7	9208.2	7620.6	6728.3	6812.7
60°	3042.6	3151.1	3653.5	4754.8	6567.5	7508.0	6583.6	4996.0	3834.4	3328.0	3372.2
62.5°	1748.4	1768.5	1788.6	2122.2	2797.4	3307.9	2905.9	2242.8	1977.5	1889.1	1889.1
65°	1475.1	1463.0	1467.0	1495.2	1567.5	1672.0	1627.8	1567.5	1575.6	1567.5	1555.5
67.5°	1254.0	1270.1	1258.0	1278.1	1282.2	1298.2	1326.4	1350.5	1354.5	1362.5	1354.5
70°	1028.9	1033.0	1041.0	1057.1	1061.1	1073.2	1113.3	1133.4	1145.5	1145.5	1161.6
72.5°	787.8	783.8	791.8	807.9	828.0	832.0	868.2	896.3	912.4	892.3	896.3
75°	518.5	522.5	534.6	546.6	574.8	602.9	615.0	643.1	647.1	655.1	635.0
77.5°	309.5	317.5	329.6	353.7	377.8	401.9	430.1	450.2	458.2	450.2	426.0
80°	201.0	201.0	217.0	237.1	265.3	285.4	301.4	317.5	329.6	317.5	309.5
82.5°	124.6	124.6	144.7	168.8	188.9	201.0	225.1	245.2	257.2	249.2	237.1
85°	64.3	68.3	84.4	104.5	120.6	128.6	124.6	112.5	100.5	96.5	88.4
87.5°	20.1	20.1	24.1	24.1	20.1	20.1	24.1	20.1	24.1	24.1	24.1
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)