

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: P533586

Luminaire Tested: **GALN-SA9A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533586
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-SA9A-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 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: 33841 lumens
Efficiency: N/A
Efficacy: 123.5 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

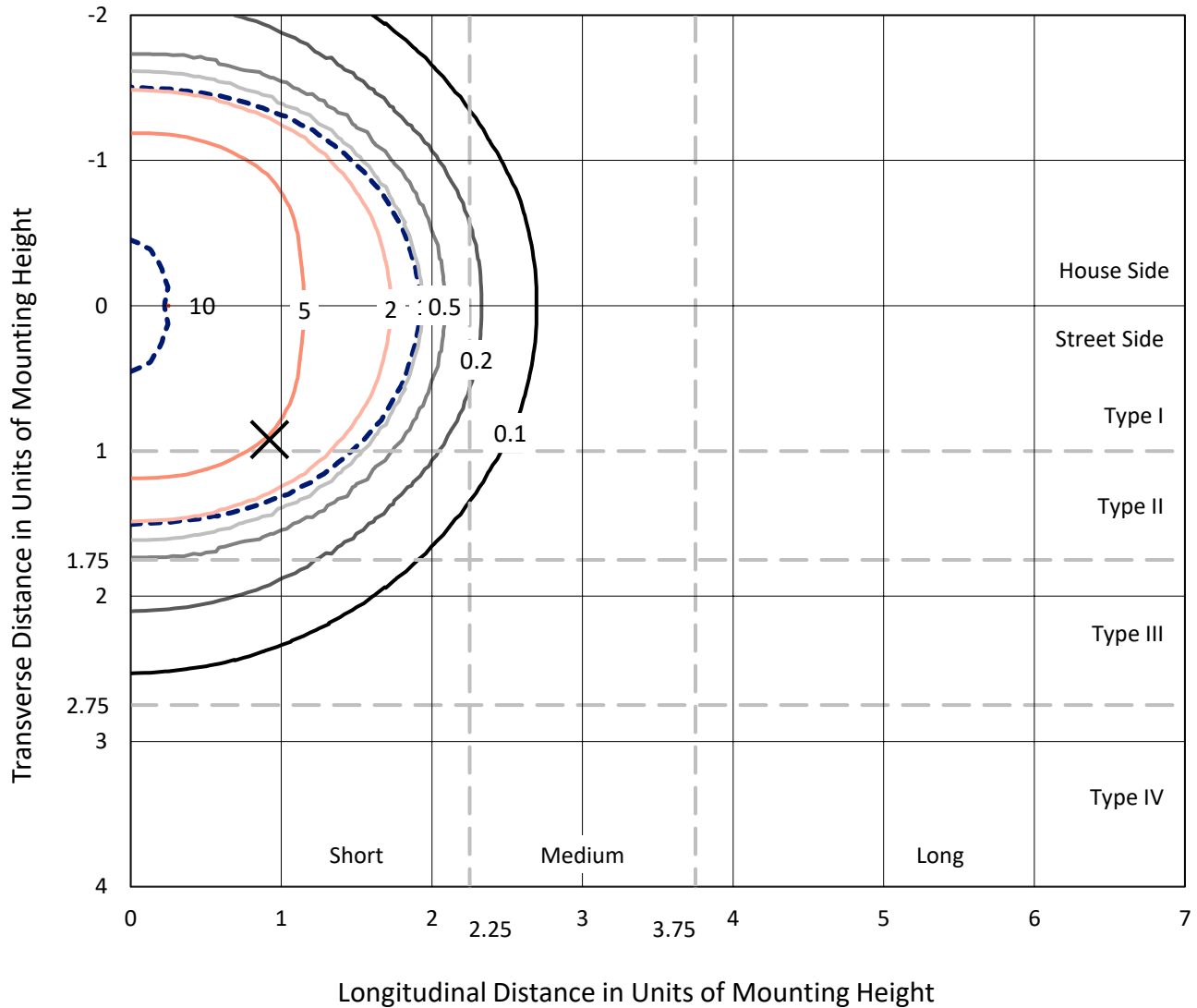
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

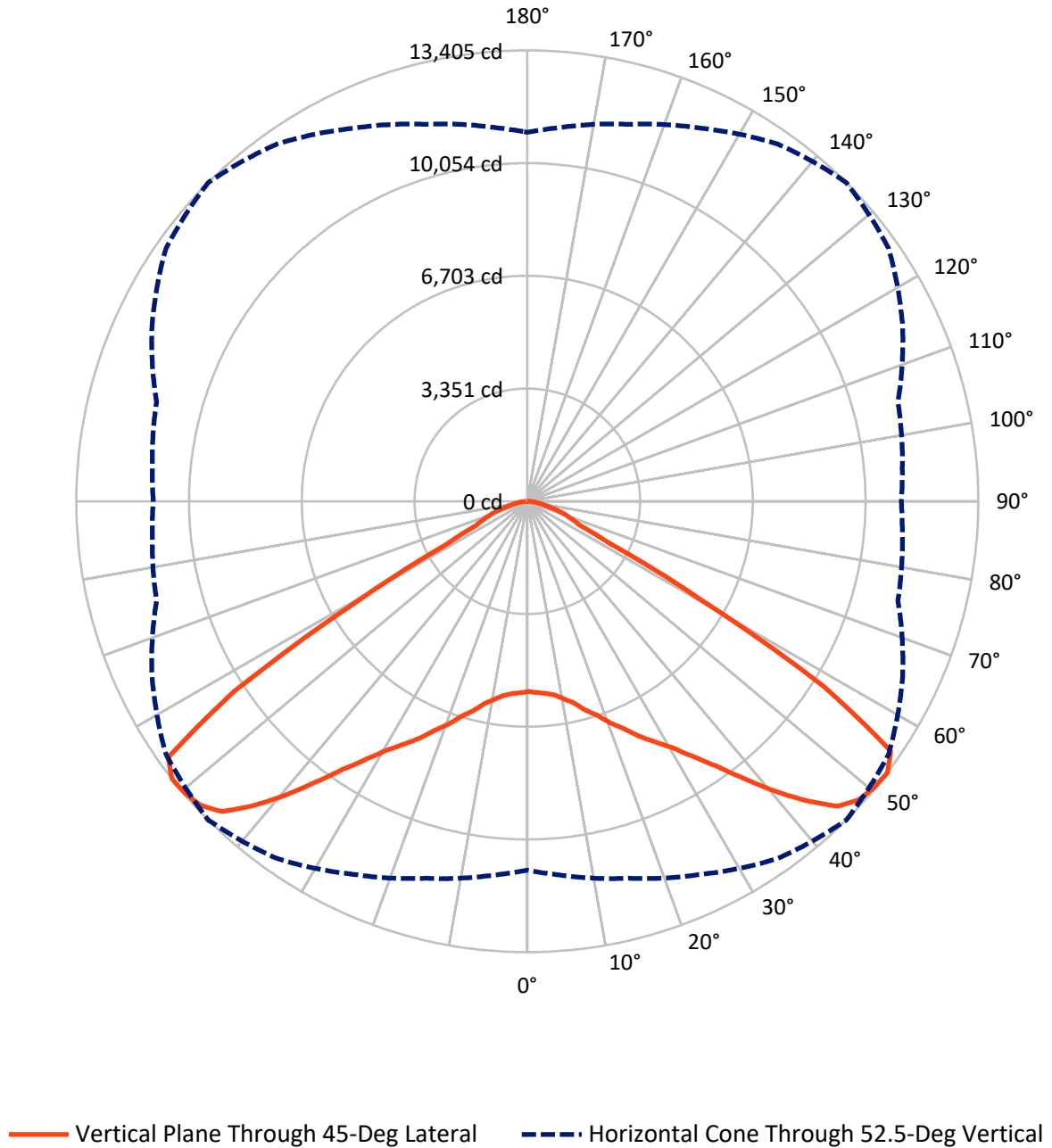
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	16920.5	0.0	16920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16920.5	0.0	16920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33841.0	0.0	33841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.8	1.6
10°-20°	1826.3	5.4
20°-30°	3476.9	10.3
30°-40°	5970.1	17.6
40°-50°	9176.3	27.1
50°-60°	9318.3	27.5
60°-70°	2596.9	7.7
70°-80°	766.1	2.3
80°-90°	154.3	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°	33841.0	100.0
0°-180°	33841.0	100.0

Coefficient of Utilization



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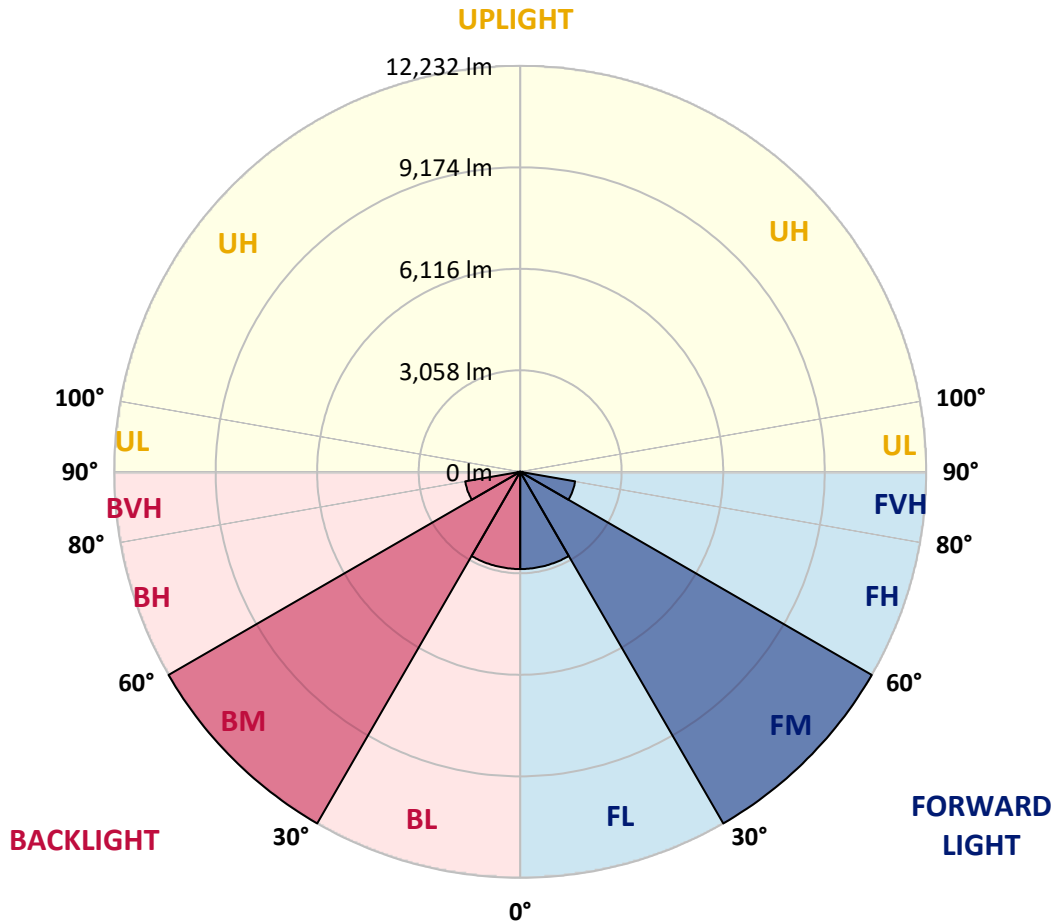
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2929.5	8.7			
FM (30°-60°)	12232.4	36.1			
FH (60°-80°)	1681.5	5.0			G1/1800
FVH (80°-90°)	77.2	0.2			G1/100
BL (0°-30°)	2929.5	8.7	B4/5000		
BM (30°-60°)	12232.4	36.1	B5		
BH (60°-80°)	1681.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.2	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°	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0	5657.0
2.5°	5669.6	5610.8	5631.8	5644.4	5699.0	5694.8	5682.2	5699.0	5715.8	5720.0	5711.6
5°	5665.4	5623.4	5640.2	5652.8	5707.4	5736.8	5728.4	5799.8	5850.2	5837.6	5900.6
7.5°	5631.8	5657.0	5636.0	5699.0	5745.2	5816.6	5892.2	5959.3	6022.3	6093.7	6106.3
10°	5707.4	5707.4	5745.2	5795.6	5917.3	5971.9	6081.1	6177.7	6299.5	6383.5	6349.9
12.5°	5787.2	5799.8	5799.8	5929.9	6030.7	6152.5	6253.3	6383.5	6555.7	6656.5	6706.9
15°	5867.0	5875.4	5917.3	6093.7	6244.9	6438.1	6530.5	6648.1	6744.7	6933.7	6937.9
17.5°	5938.3	5984.5	6110.5	6307.9	6496.9	6681.7	6828.7	6950.5	7034.5	7110.1	7093.3
20°	6207.1	6240.7	6370.9	6568.3	6849.7	7030.3	7080.7	7101.7	7156.3	7307.4	7261.2
22.5°	6467.5	6480.1	6601.9	6904.3	7101.7	7341.0	7395.6	7383.0	7404.0	7441.8	7509.0
25°	6736.3	6757.3	6925.3	7181.5	7458.6	7744.2	7790.4	7693.8	7664.4	7706.4	7710.6
27.5°	7080.7	7084.9	7299.0	7521.6	7836.6	8105.4	8176.8	8101.2	7962.6	7996.2	8050.8
30°	7517.4	7488.0	7702.2	8021.4	8353.2	8504.4	8626.1	8588.3	8437.2	8407.8	8361.6
32.5°	8021.4	8029.8	8223.0	8571.5	8789.9	9041.9	9172.1	9109.1	9012.5	8962.1	8991.5
35°	8731.1	8768.9	8899.1	9188.9	9541.7	9667.7	9873.4	9739.1	9487.1	9550.1	9604.7
37.5°	9314.9	9424.1	9667.7	10012.0	10222.0	10453.0	10528.6	10348.0	10163.2	10087.6	10268.2
40°	10209.4	10175.8	10444.6	10789.0	11099.8	11330.7	11234.1	11053.6	10595.8	10600.0	10650.4
42.5°	10978.0	10994.8	11200.5	11612.1	12036.3	12179.1	11872.5	11431.5	10923.4	10868.8	10978.0
45°	11624.7	11691.9	11809.5	12359.7	12775.4	12930.8	12363.9	11843.1	11162.7	10936.0	11116.6
47.5°	11855.7	11964.9	12221.1	12725.0	13136.6	13262.6	12809.0	12061.5	11385.3	11015.8	11112.4
50°	11889.3	11851.5	12271.5	12733.4	13094.6	13367.6	12968.6	12221.1	11330.7	11137.6	11108.2
52.5°	10969.6	11154.4	11603.7	12237.9	12968.6	13405.4	13111.4	12309.3	11406.3	11187.9	11116.6
55°	8878.1	8659.7	9478.7	10545.4	11889.3	13103.0	13061.0	12355.5	11452.5	11271.9	11175.3
57.5°	4955.6	5018.6	5480.6	6639.7	8374.2	10390.0	11612.1	11868.3	11431.5	11326.5	11376.9
60°	2293.0	2314.0	2511.4	3053.2	4128.3	5892.2	7500.6	9134.3	9886.0	10037.2	10037.2
62.5°	1709.3	1700.9	1751.3	1847.9	2074.6	2708.8	3615.9	4913.6	5946.7	6669.1	6858.1
65°	1545.5	1541.3	1566.5	1600.1	1616.9	1705.1	1906.7	2305.6	2641.6	2834.8	2801.2
67.5°	1352.3	1348.1	1356.5	1377.5	1406.9	1453.1	1503.5	1587.5	1705.1	1696.7	1675.7
70°	1091.9	1091.9	1104.5	1121.3	1154.9	1209.5	1268.3	1327.1	1427.9	1448.9	1444.7
72.5°	806.3	793.7	818.9	852.5	886.1	953.3	1016.3	1070.9	1142.3	1163.3	1154.9
75°	512.4	520.8	537.6	575.4	634.2	680.3	747.5	793.7	839.9	856.7	860.9
77.5°	285.6	294.0	323.4	369.6	428.4	478.8	537.6	575.4	604.8	609.0	613.2
80°	172.2	176.4	205.8	247.8	298.2	352.8	399.0	436.8	462.0	449.4	445.2
82.5°	105.0	109.2	134.4	172.2	214.2	256.2	306.6	340.2	365.4	348.6	331.8
85°	54.6	58.8	79.8	105.0	138.6	159.6	159.6	142.8	138.6	130.2	126.0
87.5°	16.8	16.8	21.0	25.2	21.0	25.2	29.4	33.6	33.6	37.8	33.6
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)