

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: P532598

Luminaire Tested: **GALN-SA8A-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532598
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-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 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: 27061 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

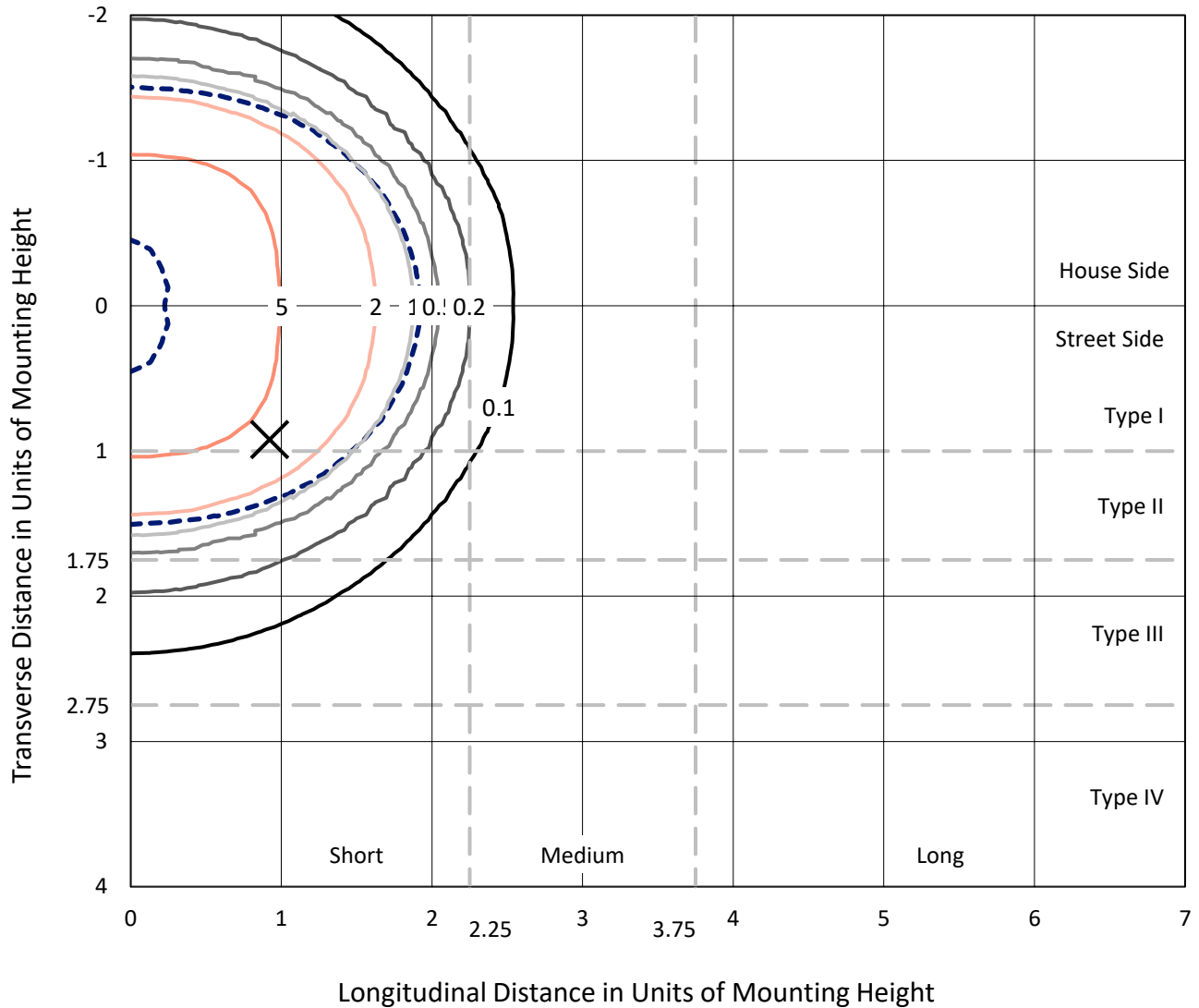
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

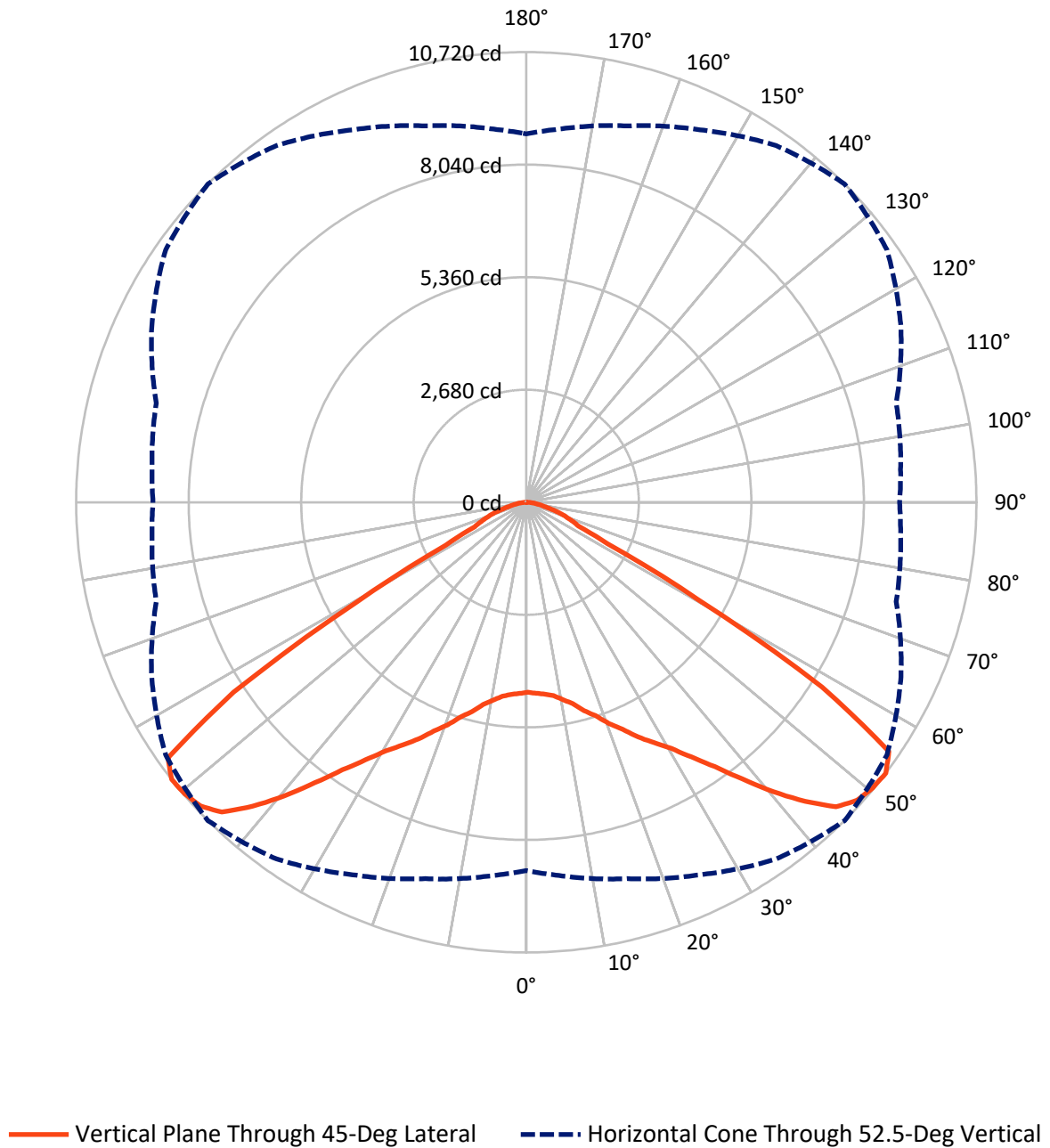
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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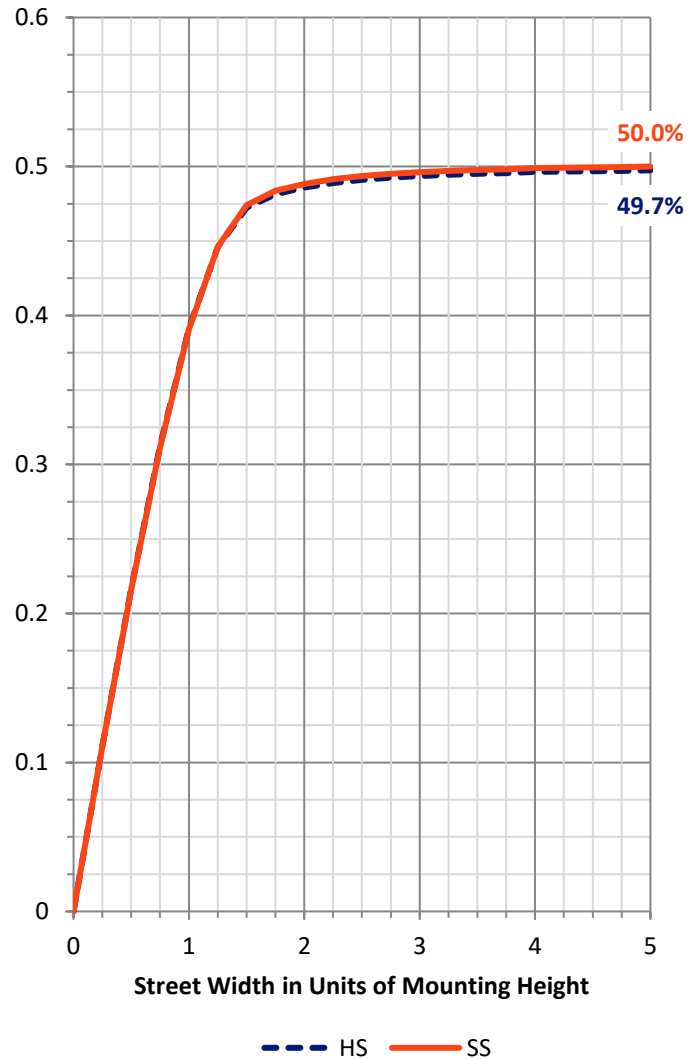
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13530.5	0.0	13530.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13530.5	0.0	13530.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27061.0	0.0	27061.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	1.6
10°-20°	1460.4	5.4
20°-30°	2780.3	10.3
30°-40°	4774.0	17.6
40°-50°	7337.8	27.1
50°-60°	7451.4	27.5
60°-70°	2076.6	7.7
70°-80°	612.6	2.3
80°-90°	123.4	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°	27061.0	100.0
0°-180°	27061.0	100.0



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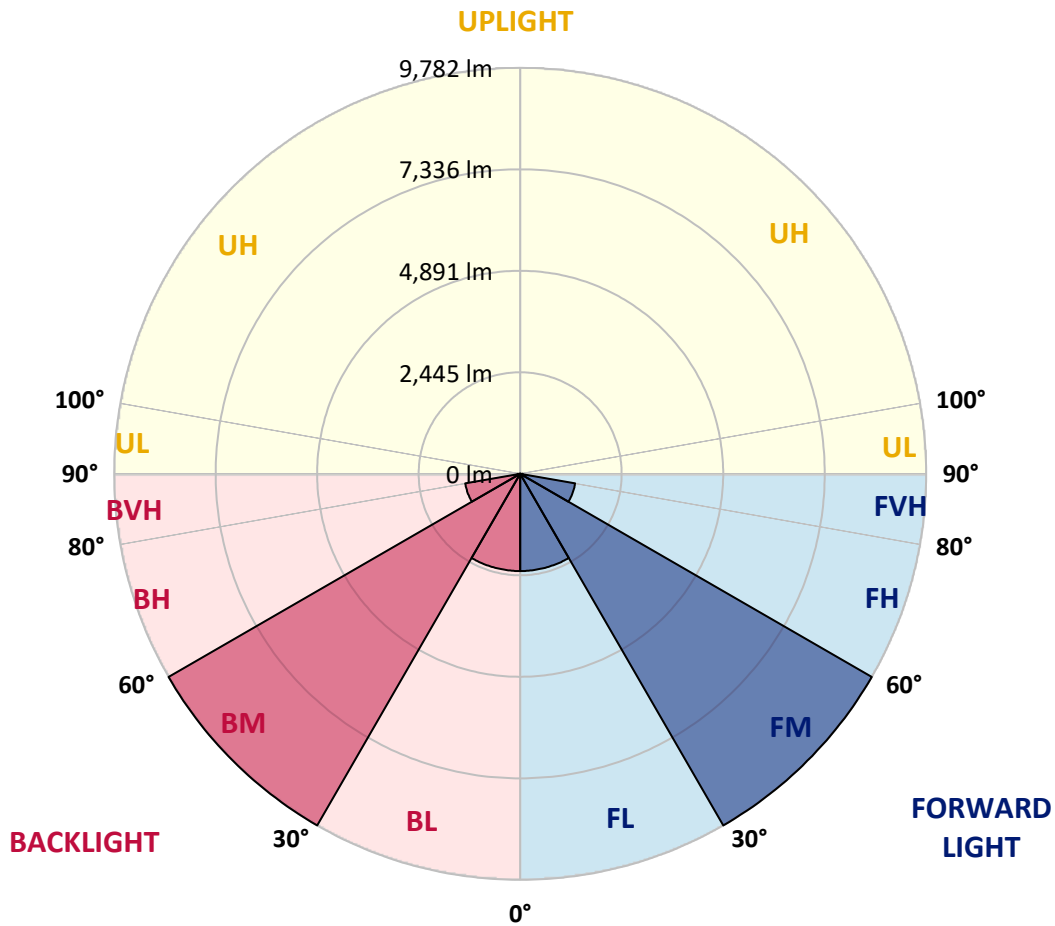
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2342.6	8.7			
FM (30°-60°)	9781.6	36.1			
FH (60°-80°)	1344.6	5.0			G1/1800
FVH (80°-90°)	61.7	0.2			G1/100
BL (0°-30°)	2342.6	8.7	B3/2500		
BM (30°-60°)	9781.6	36.1	B5		
BH (60°-80°)	1344.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	61.7	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°	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6
2.5°	4533.7	4486.7	4503.5	4513.5	4557.2	4553.8	4543.8	4557.2	4570.6	4574.0	4567.3
5°	4530.3	4496.7	4510.2	4520.2	4563.9	4587.4	4580.7	4637.8	4678.1	4668.0	4718.4
7.5°	4503.5	4523.6	4506.8	4557.2	4594.1	4651.2	4711.7	4765.4	4815.8	4872.9	4882.9
10°	4563.9	4563.9	4594.1	4634.4	4731.8	4775.5	4862.8	4940.0	5037.4	5104.6	5077.7
12.5°	4627.7	4637.8	4637.8	4741.9	4822.5	4919.9	5000.5	5104.6	5242.3	5322.9	5363.2
15°	4691.5	4698.2	4731.8	4872.9	4993.8	5148.2	5222.1	5316.2	5393.4	5544.5	5547.9
17.5°	4748.6	4785.5	4886.3	5044.1	5195.3	5343.0	5460.6	5558.0	5625.1	5685.6	5672.1
20°	4963.5	4990.4	5094.5	5252.3	5477.4	5621.8	5662.1	5678.9	5722.5	5843.4	5806.5
22.5°	5171.8	5181.8	5279.2	5521.0	5678.9	5870.3	5913.9	5903.9	5920.6	5950.9	6004.6
25°	5386.7	5403.5	5537.8	5742.7	5964.3	6192.7	6229.6	6152.4	6128.9	6162.4	6165.8
27.5°	5662.1	5665.4	5836.7	6014.7	6266.5	6481.5	6538.6	6478.1	6367.3	6394.2	6437.8
30°	6011.3	5987.8	6159.1	6414.3	6679.6	6800.5	6897.9	6867.7	6746.8	6723.3	6686.3
32.5°	6414.3	6421.0	6575.5	6854.2	7028.9	7230.4	7334.5	7284.1	7206.9	7166.6	7190.1
35°	6981.9	7012.1	7116.2	7347.9	7630.0	7730.8	7895.3	7787.9	7586.4	7636.7	7680.4
37.5°	7448.7	7536.0	7730.8	8006.1	8174.1	8358.8	8419.2	8274.8	8127.0	8066.6	8211.0
40°	8164.0	8137.1	8352.0	8627.4	8875.9	9060.6	8983.4	8839.0	8472.9	8476.3	8516.6
42.5°	8778.5	8792.0	8956.5	9285.6	9624.8	9739.0	9493.9	9141.2	8734.9	8691.2	8778.5
45°	9295.7	9349.5	9443.5	9883.4	10215.9	10340.1	9886.8	9470.3	8926.3	8745.0	8889.4
47.5°	9480.4	9567.7	9772.6	10175.6	10504.7	10605.4	10242.8	9645.0	9104.3	8808.8	8886.0
50°	9507.3	9477.1	9812.9	10182.3	10471.1	10689.4	10370.4	9772.6	9060.6	8906.2	8882.6
52.5°	8771.8	8919.6	9278.9	9786.0	10370.4	10719.6	10484.5	9843.1	9121.1	8946.5	8889.4
55°	7099.4	6924.8	7579.6	8432.6	9507.3	10477.8	10444.2	9880.1	9158.0	9013.6	8936.4
57.5°	3962.8	4013.1	4382.6	5309.4	6696.4	8308.4	9285.6	9490.5	9141.2	9057.3	9097.6
60°	1833.6	1850.4	2008.3	2441.5	3301.2	4711.7	5997.9	7304.3	7905.4	8026.3	8026.3
62.5°	1366.8	1360.1	1400.4	1477.6	1659.0	2166.1	2891.5	3929.2	4755.3	5332.9	5484.1
65°	1235.8	1232.5	1252.6	1279.5	1292.9	1363.5	1524.7	1843.7	2112.4	2266.8	2240.0
67.5°	1081.4	1078.0	1084.7	1101.5	1125.0	1162.0	1202.3	1269.4	1363.5	1356.7	1340.0
70°	873.2	873.2	883.2	896.7	923.5	967.2	1014.2	1061.2	1141.8	1158.6	1155.2
72.5°	644.8	634.7	654.9	681.7	708.6	762.3	812.7	856.4	913.5	930.2	923.5
75°	409.7	416.4	429.9	460.1	507.1	544.0	597.8	634.7	671.7	685.1	688.4
77.5°	228.4	235.1	258.6	295.5	342.5	382.8	429.9	460.1	483.6	487.0	490.3
80°	137.7	141.0	164.6	198.1	238.4	282.1	319.0	349.3	369.4	359.3	356.0
82.5°	84.0	87.3	107.5	137.7	171.3	204.9	245.2	272.0	292.2	278.7	265.3
85°	43.7	47.0	63.8	84.0	110.8	127.6	127.6	114.2	110.8	104.1	100.7
87.5°	13.4	13.4	16.8	20.1	16.8	20.1	23.5	26.9	26.9	30.2	26.9
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)