

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: P652052

Luminaire Tested: **GALN-SA8A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652052
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-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 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: 27213.1 lumens
Efficiency: N/A
Efficacy: 111.5 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

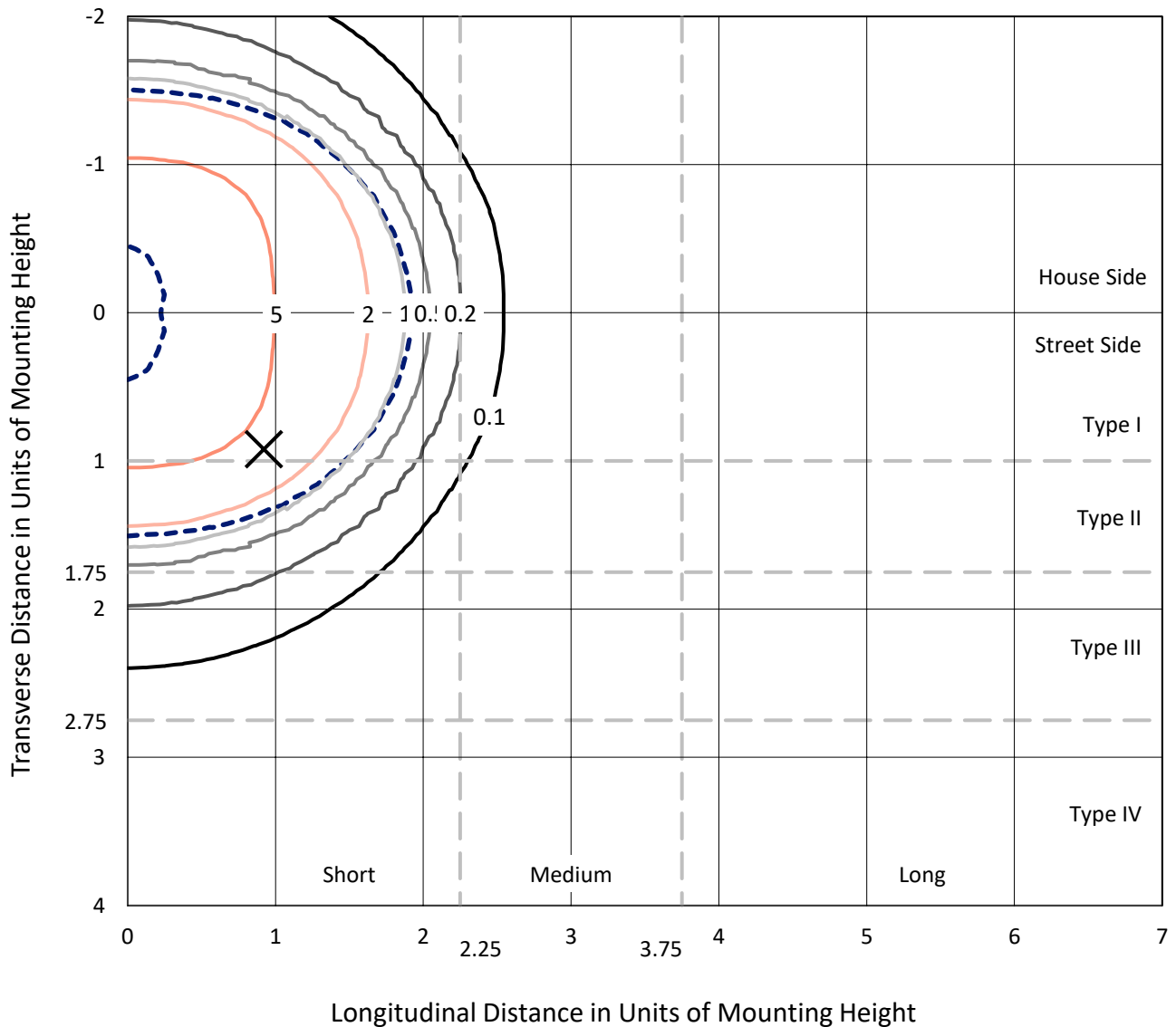
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

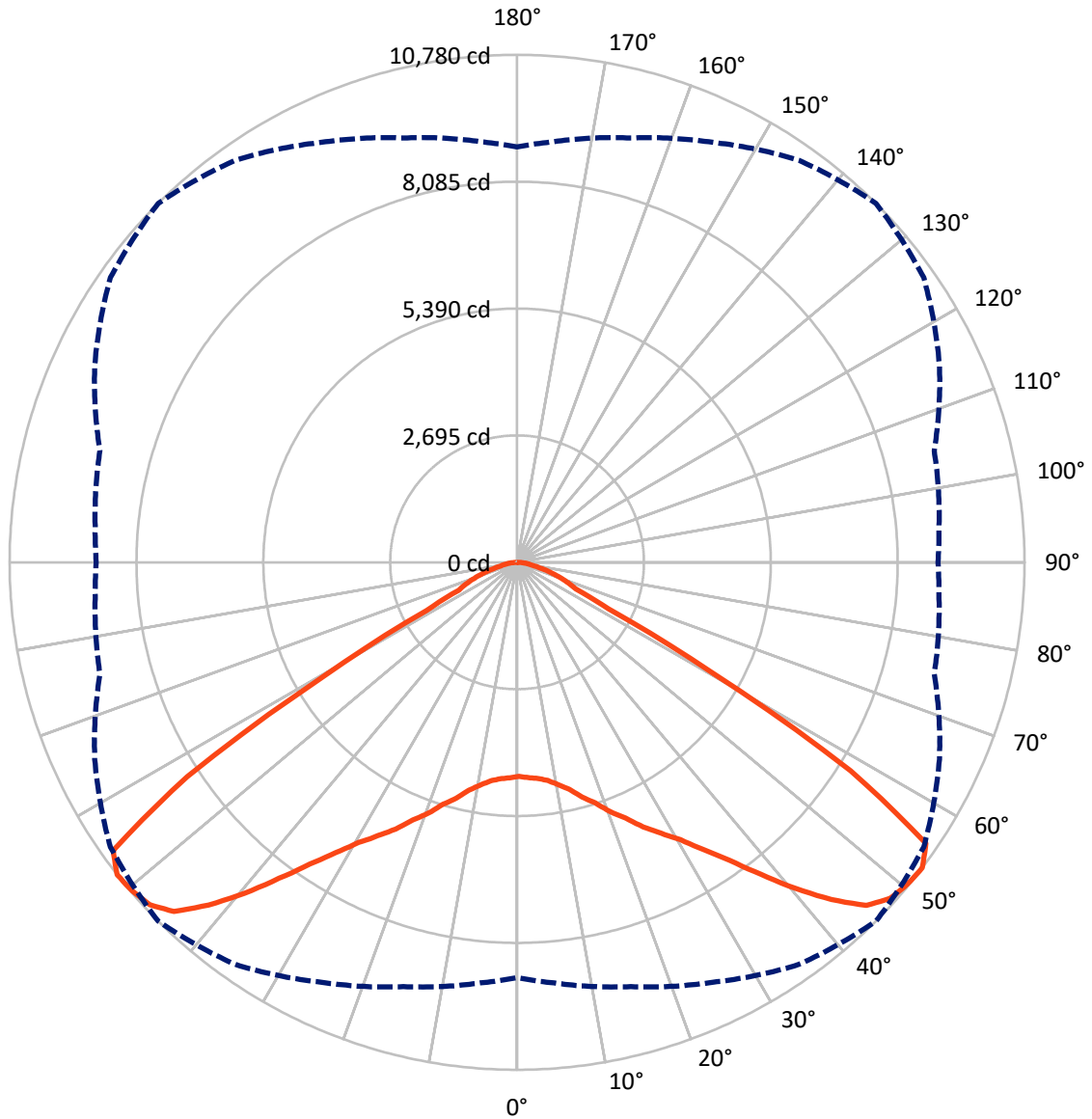
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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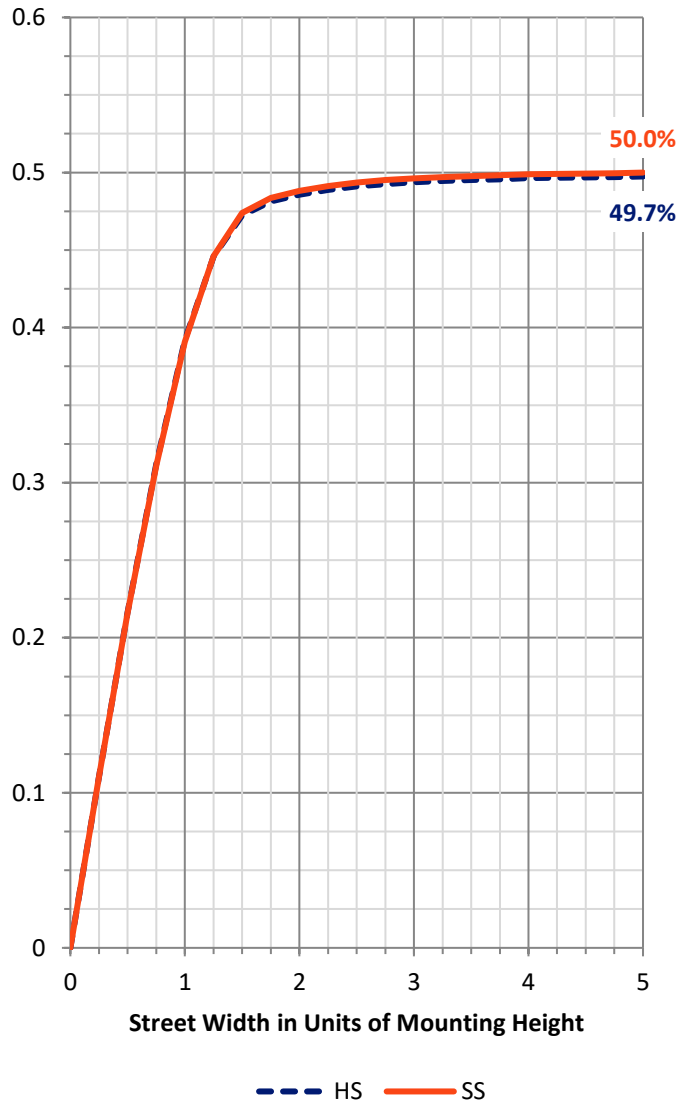
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13606.5	0.0	13606.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13606.5	0.0	13606.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27213.1	0.0	27213.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.9	1.6
10°-20°	1468.6	5.4
20°-30°	2796.0	10.3
30°-40°	4800.9	17.6
40°-50°	7379.1	27.1
50°-60°	7493.3	27.5
60°-70°	2088.3	7.7
70°-80°	616.0	2.3
80°-90°	124.1	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°	27213.1	100.0
0°-180°	27213.1	100.0

Coefficient of Utilization



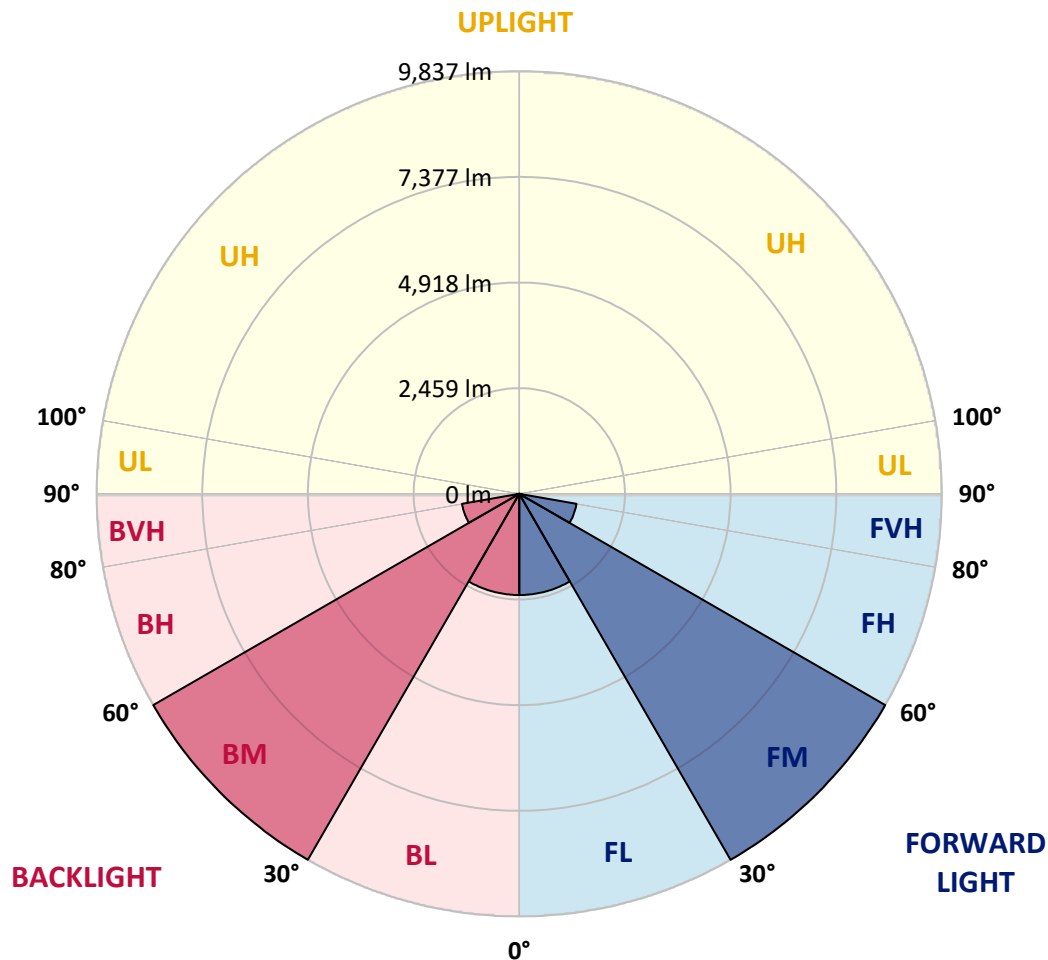
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2355.7	8.7			
FM (30°-60°)	9836.6	36.1			
FH (60°-80°)	1352.2	5.0			G1/1800
FVH (80°-90°)	62.0	0.2			G1/100
BL (0°-30°)	2355.7	8.7	B3/2500		
BM (30°-60°)	9836.6	36.1	B5		
BH (60°-80°)	1352.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	62.0	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°	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1	4549.1
2.5°	4559.1	4511.9	4528.8	4538.9	4582.8	4579.4	4569.3	4582.8	4596.3	4599.7	4593.0
5°	4555.8	4522.0	4535.5	4545.7	4589.6	4613.2	4606.4	4663.8	4704.4	4694.2	4744.9
7.5°	4528.8	4549.1	4532.1	4582.8	4619.9	4677.4	4738.1	4792.2	4842.8	4900.3	4910.3
10°	4589.6	4589.6	4619.9	4660.5	4758.4	4802.3	4890.1	4967.8	5065.8	5133.3	5106.2
12.5°	4653.8	4663.8	4663.8	4768.6	4849.6	4947.5	5028.6	5133.3	5271.7	5352.8	5393.3
15°	4717.8	4724.7	4758.4	4900.3	5021.9	5177.2	5251.5	5346.1	5423.7	5575.7	5579.0
17.5°	4775.3	4812.5	4913.8	5072.5	5224.5	5373.1	5491.2	5589.2	5656.7	5717.5	5704.0
20°	4991.4	5018.4	5123.1	5281.9	5508.1	5653.4	5693.9	5710.7	5754.6	5876.2	5839.1
22.5°	5200.8	5210.9	5308.9	5552.0	5710.7	5903.2	5947.1	5937.0	5953.9	5984.3	6038.4
25°	5417.0	5433.9	5568.9	5774.9	5997.8	6227.4	6264.6	6187.0	6163.3	6197.1	6200.4
27.5°	5693.9	5697.3	5869.5	6048.5	6301.8	6517.9	6575.3	6514.6	6403.1	6430.1	6474.0
30°	6045.1	6021.5	6193.7	6450.4	6717.2	6838.8	6936.7	6906.3	6784.7	6761.1	6723.9
32.5°	6450.4	6457.1	6612.4	6892.8	7068.4	7271.0	7375.7	7325.0	7247.4	7206.9	7230.5
35°	7021.1	7051.5	7156.2	7389.2	7672.9	7774.2	7939.7	7831.6	7629.0	7679.7	7723.6
37.5°	7490.5	7578.3	7774.2	8051.1	8220.0	8405.7	8466.5	8321.3	8172.7	8111.9	8257.1
40°	8209.8	8182.8	8399.0	8675.9	8925.8	9111.6	9033.9	8888.7	8520.6	8524.0	8564.5
42.5°	8827.9	8841.3	9006.9	9337.8	9678.9	9793.8	9547.2	9192.6	8784.0	8740.1	8827.9
45°	9348.0	9402.0	9496.6	9938.9	10273.3	10398.3	9942.3	9523.6	8976.5	8794.1	8939.3
47.5°	9533.7	9621.5	9827.5	10232.8	10563.7	10665.1	10300.3	9699.2	9155.5	8858.3	8936.0
50°	9560.7	9530.3	9868.0	10239.5	10530.0	10749.5	10428.7	9827.5	9111.6	8956.2	8932.6
52.5°	8821.1	8969.7	9331.1	9841.0	10428.7	10779.9	10543.4	9898.4	9172.4	8996.8	8939.3
55°	7139.3	6963.6	7622.2	8480.1	9560.7	10536.7	10502.9	9935.6	9209.5	9064.3	8986.6
57.5°	3985.1	4035.7	4407.2	5339.3	6734.1	8355.1	9337.8	9543.8	9192.6	9108.2	9148.7
60°	1843.9	1860.8	2019.6	2455.2	3319.8	4738.1	6031.6	7345.3	7949.8	8071.4	8071.4
62.5°	1374.5	1367.7	1408.3	1486.0	1668.3	2178.3	2907.8	3951.3	4782.0	5362.9	5514.9
65°	1242.8	1239.4	1259.6	1286.7	1300.2	1371.1	1533.2	1854.1	2124.2	2279.6	2252.5
67.5°	1087.4	1084.0	1090.9	1107.7	1131.3	1168.5	1209.0	1276.6	1371.1	1364.4	1347.5
70°	878.1	878.1	888.2	901.7	928.7	972.6	1019.9	1067.1	1148.2	1165.1	1161.8
72.5°	648.4	638.3	658.5	685.6	712.6	766.7	817.3	861.2	918.6	935.4	928.7
75°	412.0	418.7	432.3	462.6	510.0	547.1	601.1	638.3	675.4	688.9	692.3
77.5°	229.7	236.4	260.0	297.2	344.5	385.0	432.3	462.6	486.4	489.7	493.1
80°	138.4	141.9	165.5	199.2	239.8	283.7	320.8	351.2	371.5	361.4	358.0
82.5°	84.4	87.8	108.1	138.4	172.2	206.0	246.5	273.6	293.8	280.3	266.8
85°	43.9	47.3	64.2	84.4	111.4	128.3	128.3	114.8	111.4	104.7	101.3
87.5°	13.5	13.5	16.9	20.3	16.9	20.3	23.6	27.0	27.0	30.4	27.0
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)