

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: P652588

Luminaire Tested: **GALN-SA9B-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9B-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26035.6 lumens
Efficiency: N/A
Efficacy: 71.5 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

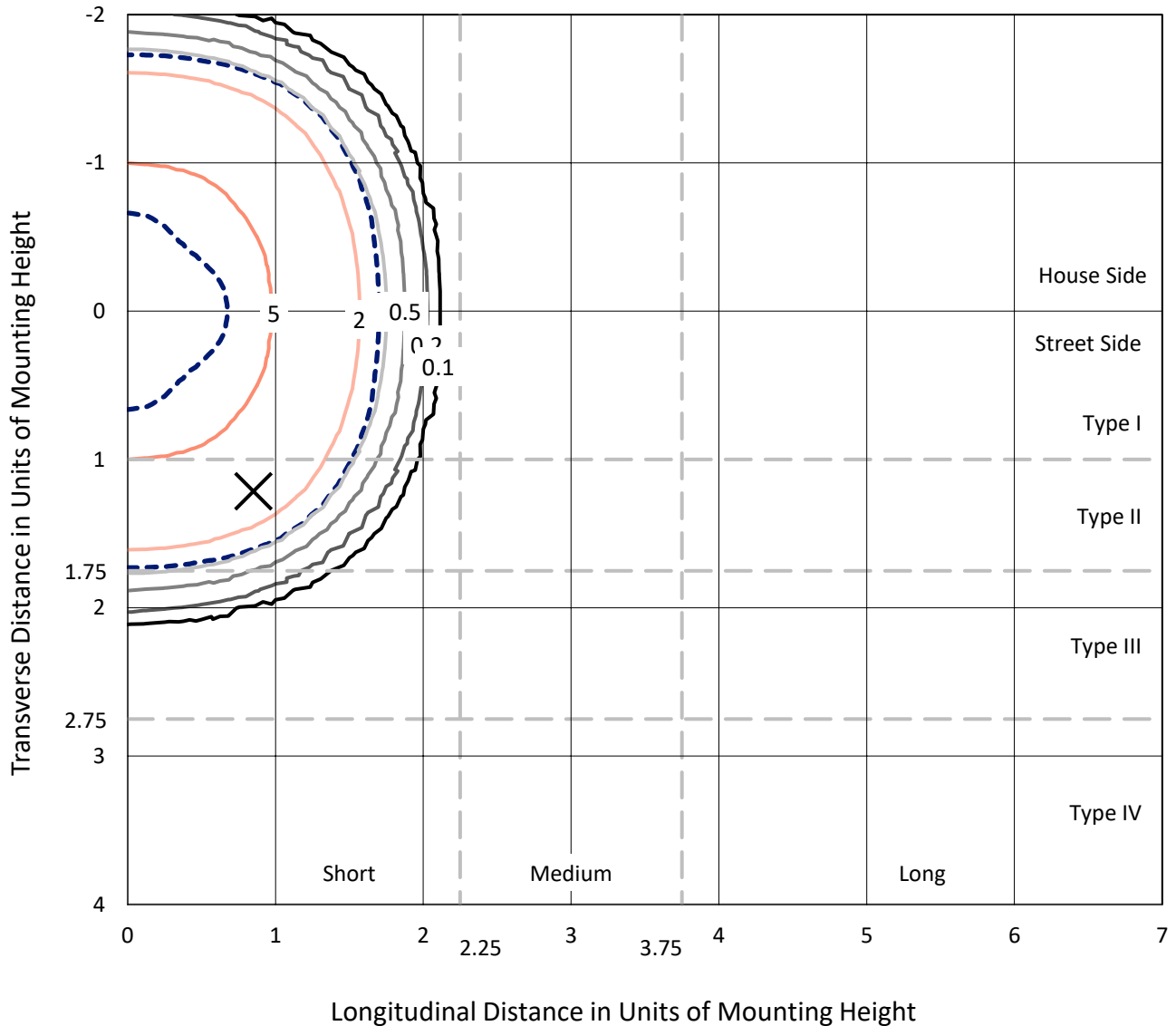
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

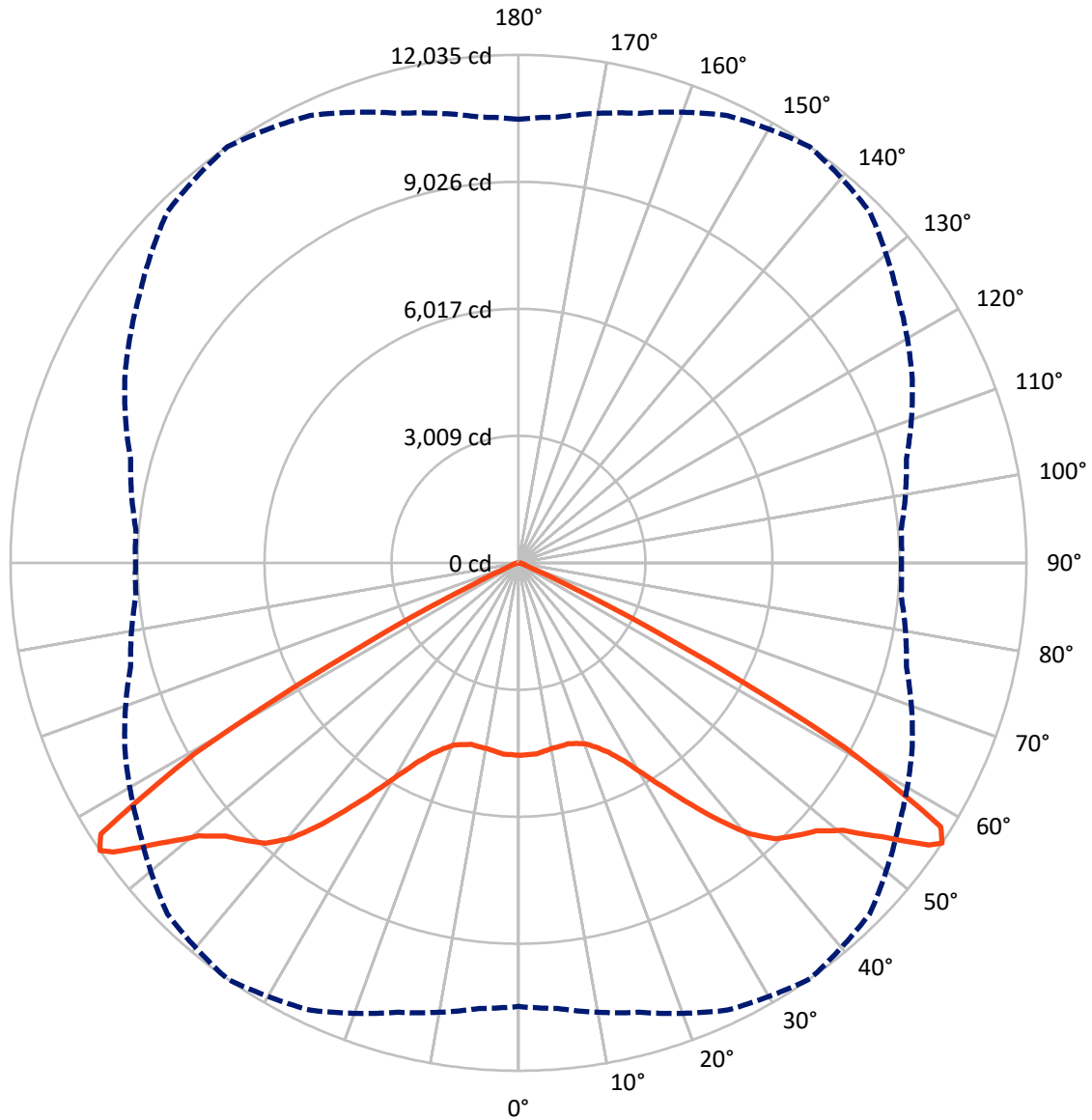
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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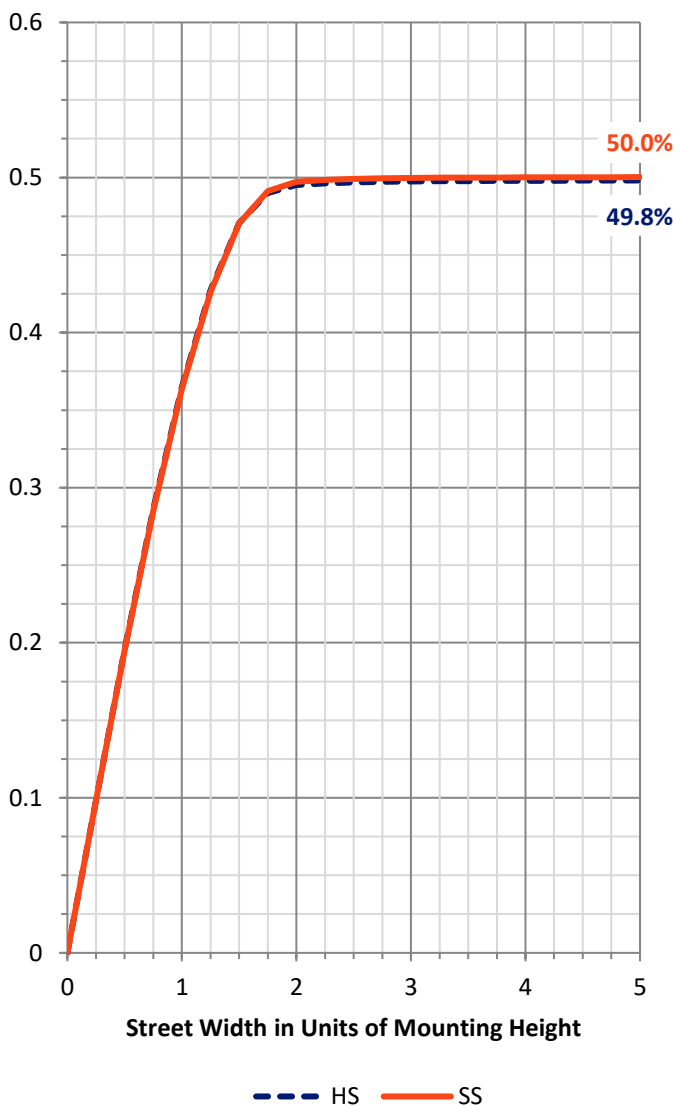
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13017.8	0.0	13017.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13017.8	0.0	13017.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	26035.6	0.0	26035.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.8	1.6
10°-20°	1251.8	4.8
20°-30°	2266.8	8.7
30°-40°	4203.4	16.1
40°-50°	6899.6	26.5
50°-60°	8888.8	34.1
60°-70°	1959.0	7.5
70°-80°	113.7	0.4
80°-90°	23.9	0.1
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°	26035.6	100.0
0°-180°	26035.6	100.0

Coefficient of Utilization

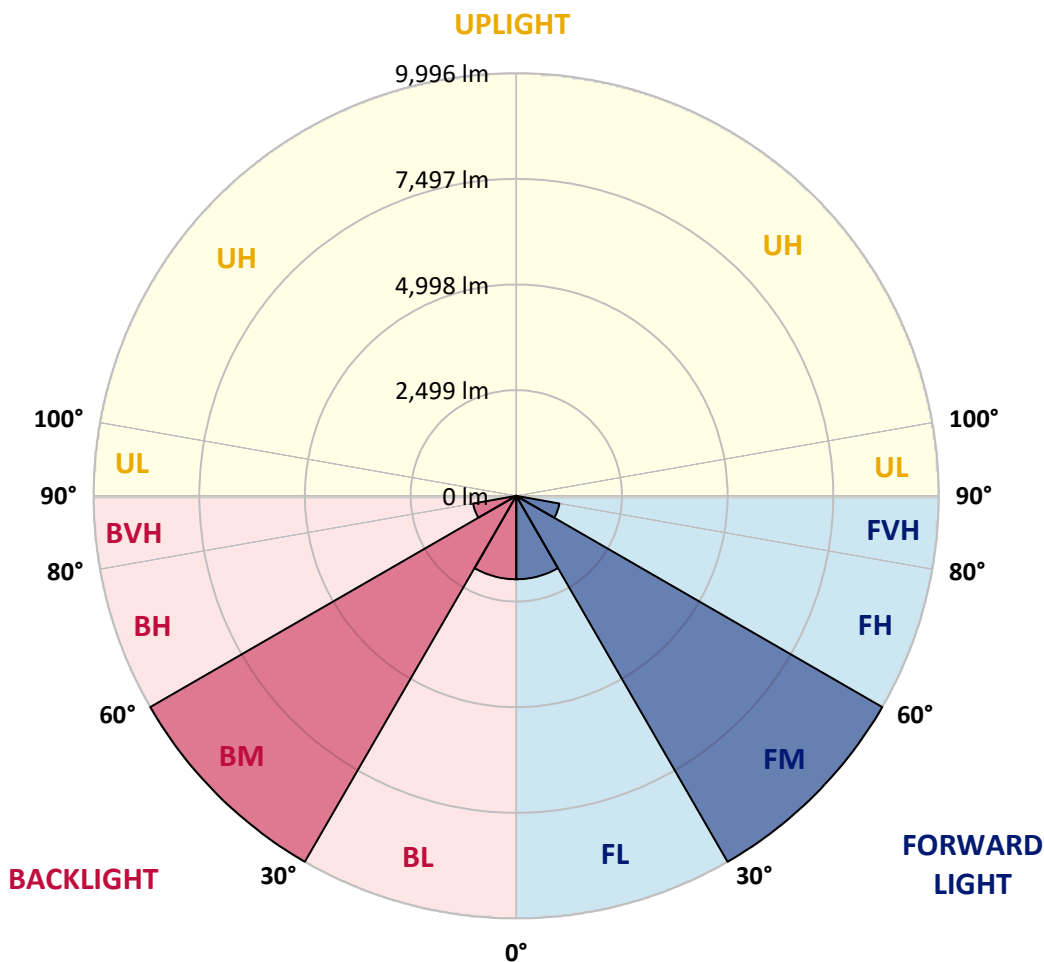


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1973.7	7.6			
FM (30°-60°)	9995.9	38.4			
FH (60°-80°)	1036.3	4.0			G1/1800
FVH (80°-90°)	12.0	0.0			G1/100
BL (0°-30°)	1973.7	7.6	B3/2500		
BM (30°-60°)	9995.9	38.4	B5		
BH (60°-80°)	1036.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	12.0	0.0			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°	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0	4562.0
2.5°	4571.4	4571.4	4576.1	4580.8	4547.9	4533.7	4538.5	4529.0	4524.2	4538.5	4538.5
5°	4557.3	4557.3	4543.2	4547.9	4547.9	4505.4	4505.4	4514.8	4514.8	4486.6	4477.1
7.5°	4519.5	4510.1	4491.3	4514.8	4500.7	4500.7	4467.6	4444.1	4434.6	4453.5	4434.6
10°	4439.4	4444.1	4462.9	4472.4	4462.9	4491.3	4434.6	4401.6	4368.6	4354.4	4354.4
12.5°	4401.6	4429.9	4401.6	4425.2	4458.2	4434.6	4401.6	4378.0	4330.8	4312.0	4312.0
15°	4396.9	4415.8	4425.2	4458.2	4444.1	4453.5	4387.5	4359.2	4288.3	4255.4	4241.2
17.5°	4392.2	4415.8	4429.9	4491.3	4500.7	4505.4	4453.5	4368.6	4307.3	4274.2	4241.2
20°	4444.1	4453.5	4481.8	4543.2	4580.8	4646.9	4552.6	4462.9	4330.8	4293.1	4278.9
22.5°	4510.1	4557.3	4585.6	4651.7	4750.7	4807.3	4684.7	4571.4	4434.6	4387.5	4330.8
25°	4722.4	4713.0	4760.1	4897.0	4977.2	5019.6	4920.5	4755.4	4576.1	4519.5	4529.0
27.5°	4986.6	4996.0	5038.5	5189.5	5307.4	5373.5	5255.5	5038.5	4863.9	4769.6	4760.1
30°	5331.0	5321.6	5368.8	5571.6	5783.9	5883.0	5675.4	5420.7	5250.8	5128.2	5156.4
32.5°	5694.2	5699.0	5831.1	6015.1	6359.5	6552.9	6217.9	5906.6	5651.8	5566.9	5524.4
35°	6232.1	6255.7	6359.5	6642.6	7024.6	7274.6	6906.7	6534.0	6241.5	6085.8	6104.7
37.5°	6897.3	6873.7	7048.3	7354.9	7755.9	7939.9	7628.5	7203.9	6906.7	6802.9	6869.0
40°	7604.9	7628.5	7718.1	7996.5	8444.6	8567.4	8105.0	7873.9	7614.3	7562.4	7642.7
42.5°	8312.6	8298.4	8364.5	8614.5	8940.0	8855.1	8581.5	8444.6	8260.7	8156.9	8265.4
45°	8831.5	8808.0	8930.6	9100.5	9218.4	9058.0	8935.3	8888.1	8793.7	8680.5	8779.6
47.5°	9336.3	9317.4	9435.4	9482.5	9492.0	9279.7	9303.3	9388.3	9152.4	8916.5	9029.6
50°	9765.6	9732.6	9878.9	9982.7	9959.0	9619.4	9704.3	9619.4	9251.4	8973.0	8930.6
52.5°	10482.7	10496.9	10652.5	10841.2	10784.6	10501.6	10378.9	9992.1	9520.3	9270.3	9124.0
55°	10935.6	10864.9	11133.7	11732.9	11799.0	11506.5	10963.9	10393.1	9685.5	9378.7	9341.1
56°	10511.0	10600.6	11025.3	11695.2	12034.9	11765.9	10978.1	10294.0	9515.6	9100.5	9072.1
57.5°	9430.6	9383.5	9959.0	10874.3	11799.0	11685.7	10591.2	9586.4	8680.5	8213.5	8156.9
60°	5868.8	6005.7	6510.4	7642.7	8878.7	8935.3	7850.2	6986.9	5930.1	5515.0	5614.1
62.5°	2297.5	2179.5	2495.7	3340.1	4189.3	4378.0	3967.6	3297.6	2707.9	2297.5	2269.2
65°	533.1	519.0	585.0	806.7	1127.5	1306.8	1240.7	891.6	655.7	622.8	575.6
67.5°	301.9	301.9	287.8	287.8	316.0	335.0	320.8	316.0	330.3	344.4	339.7
70°	212.3	207.6	198.1	202.8	193.4	193.4	207.6	231.2	250.0	250.0	254.7
72.5°	127.4	127.4	127.4	141.5	141.5	141.5	155.7	174.6	179.3	174.6	169.8
75°	56.6	56.6	66.0	80.2	89.7	94.4	108.5	117.9	127.4	117.9	108.5
77.5°	14.1	14.1	23.5	33.1	42.5	51.9	70.7	84.9	89.7	84.9	70.7
80°	4.7	4.7	9.4	23.5	42.5	51.9	70.7	75.5	80.2	70.7	56.6
82.5°	4.7	4.7	9.4	23.5	33.1	42.5	56.6	66.0	70.7	61.3	56.6
85°	0.0	4.7	9.4	18.8	28.3	37.8	37.8	28.3	23.5	14.1	18.8
87.5°	0.0	0.0	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)