

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: P648092

Luminaire Tested: **GALN-SA8A-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648092
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-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 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: 25336.3 lumens
Efficiency: N/A
Efficacy: 103.8 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

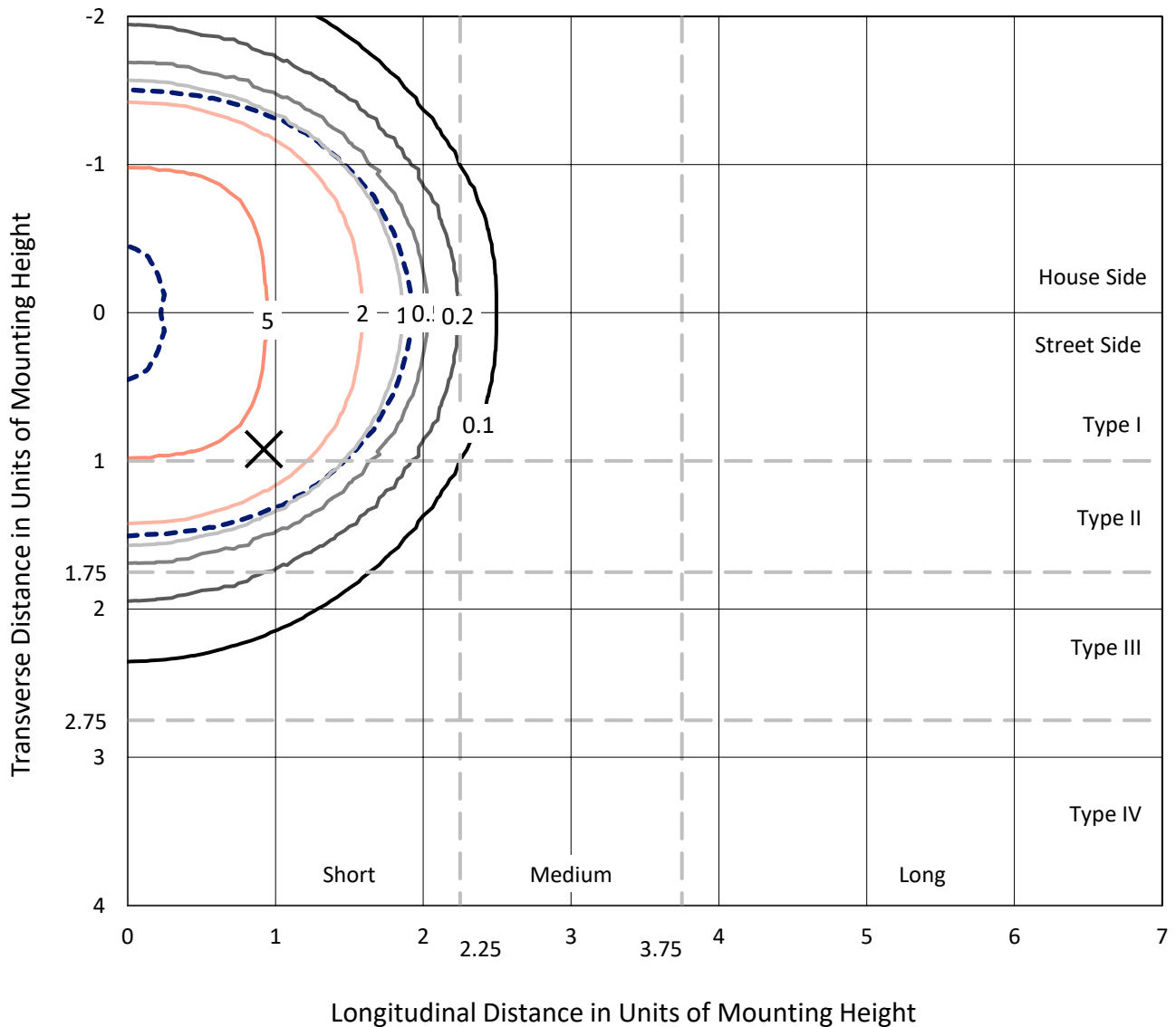
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

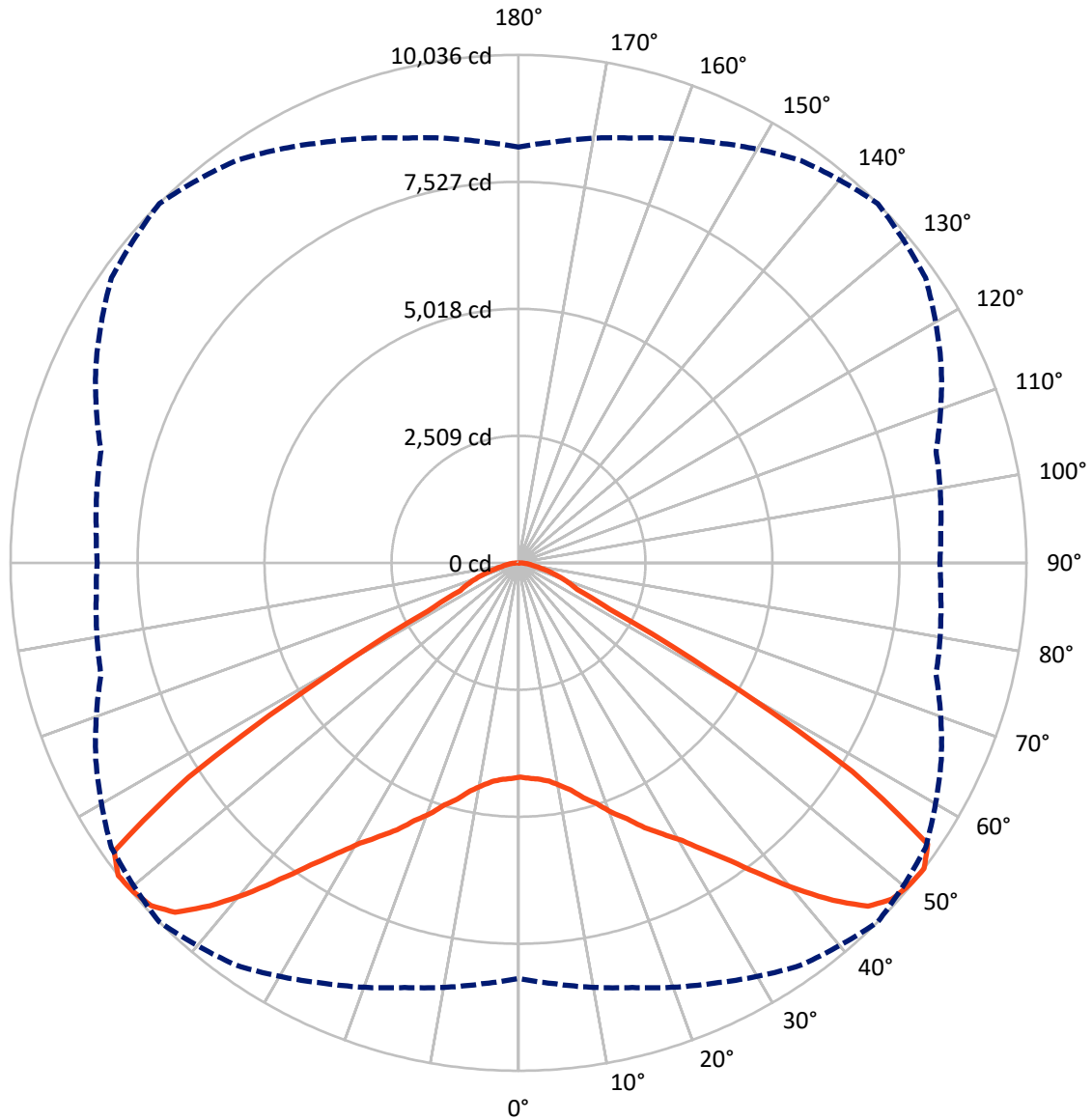
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	12668.1	0.0	12668.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12668.1	0.0	12668.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	25336.3	0.0	25336.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.1	1.6
10°-20°	1367.3	5.4
20°-30°	2603.1	10.3
30°-40°	4469.8	17.6
40°-50°	6870.2	27.1
50°-60°	6976.5	27.5
60°-70°	1944.2	7.7
70°-80°	573.5	2.3
80°-90°	115.5	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°	25336.3	100.0
0°-180°	25336.3	100.0

Coefficient of Utilization



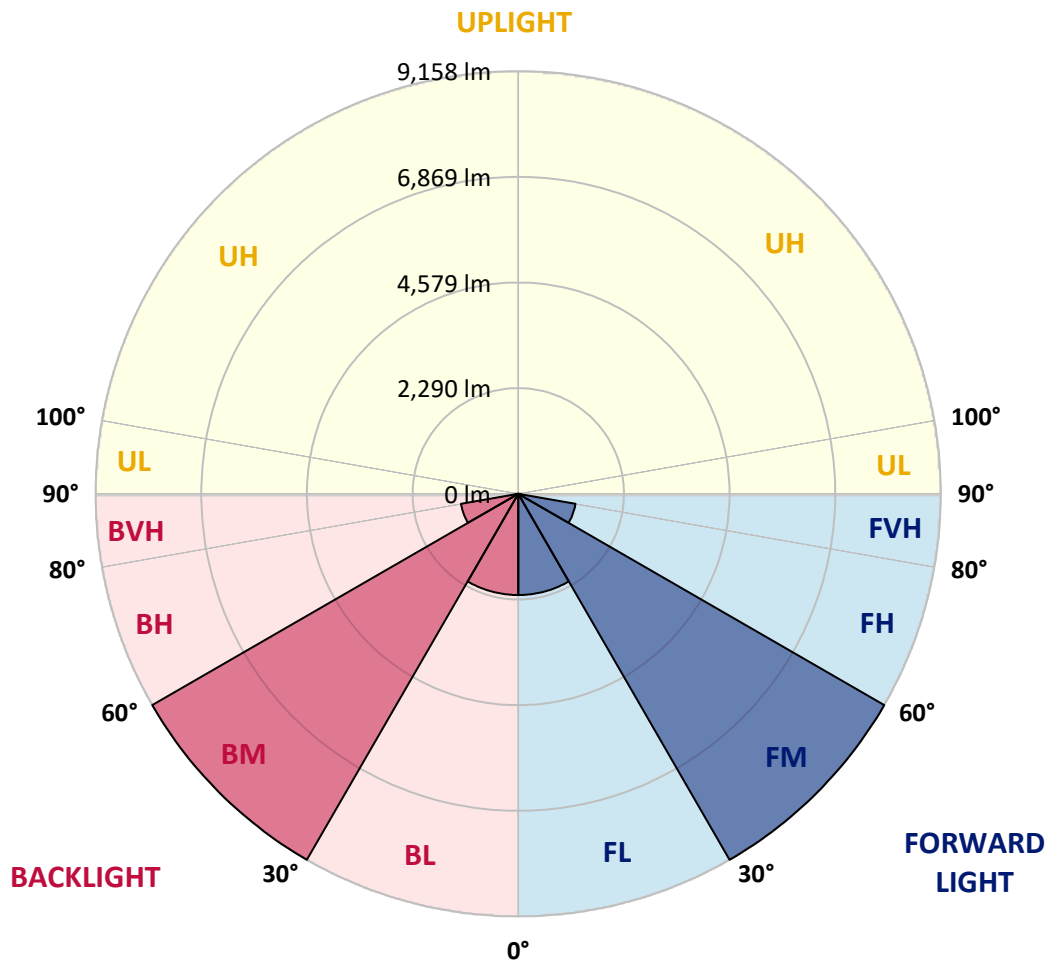
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2193.3	8.7			
FM (30°-60°)	9158.2	36.1			
FH (60°-80°)	1258.9	5.0			G1/1800
FVH (80°-90°)	57.8	0.2			G1/100
BL (0°-30°)	2193.3	8.7	B3/2500		
BM (30°-60°)	9158.2	36.1	B5		
BH (60°-80°)	1258.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	57.8	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°	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3	4235.3
2.5°	4244.7	4200.7	4216.5	4225.9	4266.7	4263.6	4254.2	4266.7	4279.3	4282.5	4276.2
5°	4241.6	4210.1	4222.7	4232.2	4273.1	4295.1	4288.7	4342.2	4379.9	4370.5	4417.7
7.5°	4216.5	4235.3	4219.6	4266.7	4301.3	4354.8	4411.3	4461.7	4508.8	4562.3	4571.7
10°	4273.1	4273.1	4301.3	4339.1	4430.2	4471.1	4552.8	4625.2	4716.4	4779.3	4754.1
12.5°	4332.8	4342.2	4342.2	4439.7	4515.2	4606.3	4681.8	4779.3	4908.2	4983.6	5021.4
15°	4392.5	4398.8	4430.2	4562.3	4675.5	4820.1	4889.3	4977.4	5049.6	5191.1	5194.3
17.5°	4446.0	4480.6	4574.9	4722.7	4864.2	5002.5	5112.5	5203.7	5266.6	5323.2	5310.6
20°	4647.2	4672.3	4769.8	4917.6	5128.3	5263.5	5301.2	5316.9	5357.8	5471.0	5436.4
22.5°	4842.2	4851.5	4942.8	5169.1	5316.9	5496.1	5537.0	5527.6	5543.3	5571.6	5621.9
25°	5043.4	5059.1	5184.9	5376.6	5584.2	5798.0	5832.6	5760.3	5738.2	5769.7	5772.8
27.5°	5301.2	5304.4	5464.7	5631.3	5867.2	6068.4	6121.8	6065.3	5961.5	5986.7	6027.5
30°	5628.2	5606.2	5766.6	6005.5	6253.9	6367.1	6458.3	6430.0	6316.8	6294.8	6260.2
32.5°	6005.5	6011.8	6156.4	6417.4	6580.9	6769.6	6867.1	6819.9	6747.6	6709.8	6731.8
35°	6536.9	6565.2	6662.6	6879.6	7143.7	7238.1	7392.1	7291.5	7102.8	7150.0	7190.9
37.5°	6973.9	7055.7	7238.1	7495.9	7653.1	7826.0	7882.6	7747.4	7609.0	7552.5	7687.7
40°	7643.6	7618.5	7819.7	8077.6	8310.2	8483.2	8410.8	8275.7	7933.0	7936.1	7973.8
42.5°	8219.1	8231.6	8385.7	8693.8	9011.4	9118.3	8888.8	8558.7	8178.2	8137.3	8219.1
45°	8703.3	8753.5	8841.6	9253.5	9564.8	9681.2	9256.6	8866.8	8357.4	8187.6	8322.8
47.5°	8876.2	8958.0	9149.7	9527.1	9835.2	9929.5	9589.9	9030.3	8524.1	8247.3	8319.7
50°	8901.4	8873.0	9187.5	9533.3	9803.8	10008.1	9709.4	9149.7	8483.2	8338.6	8316.6
52.5°	8212.7	8351.1	8687.5	9162.4	9709.4	10036.4	9816.3	9215.8	8539.8	8376.3	8322.8
55°	6647.0	6483.4	7096.6	7895.2	8901.4	9810.1	9778.6	9250.4	8574.3	8439.2	8366.8
57.5°	3710.2	3757.4	4103.2	4971.0	6269.6	7778.9	8693.8	8885.6	8558.7	8480.0	8517.8
60°	1716.7	1732.5	1880.3	2285.9	3090.8	4411.3	5615.6	6838.7	7401.5	7514.8	7514.8
62.5°	1279.7	1273.4	1311.1	1383.5	1553.2	2028.0	2707.2	3678.8	4452.2	4993.0	5134.5
65°	1157.1	1153.9	1172.8	1198.0	1210.5	1276.5	1427.5	1726.2	1977.7	2122.4	2097.2
67.5°	1012.4	1009.3	1015.6	1031.3	1053.3	1087.9	1125.6	1188.5	1276.5	1270.3	1254.5
70°	817.5	817.5	826.9	839.5	864.7	905.5	949.5	993.5	1069.0	1084.8	1081.6
72.5°	603.7	594.3	613.1	638.3	663.4	713.8	760.9	801.8	855.3	870.9	864.7
75°	383.6	389.9	402.5	430.7	474.8	509.3	559.7	594.3	628.8	641.4	644.6
77.5°	213.8	220.1	242.1	276.7	320.7	358.5	402.5	430.7	452.8	455.9	459.1
80°	128.9	132.1	154.1	185.5	223.2	264.1	298.7	327.0	345.9	336.5	333.3
82.5°	78.6	81.7	100.6	128.9	160.4	191.8	229.5	254.7	273.6	261.0	248.4
85°	40.9	44.0	59.7	78.6	103.7	119.5	119.5	106.9	103.7	97.5	94.4
87.5°	12.6	12.6	15.7	18.9	15.7	18.9	22.0	25.1	25.1	28.3	25.1
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)