

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: P648467

Luminaire Tested: **GALN-SA6B-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23796.9 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

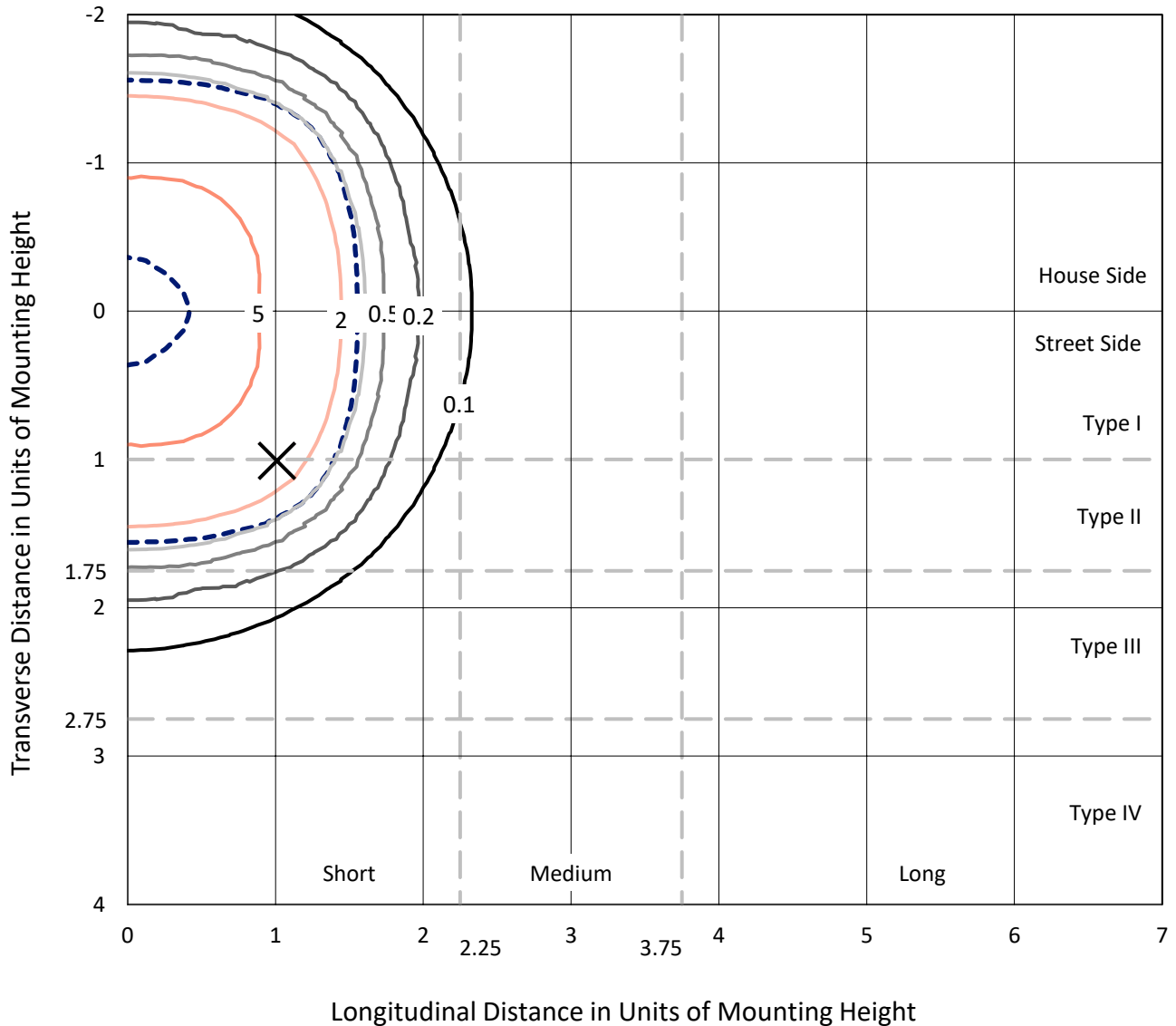
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

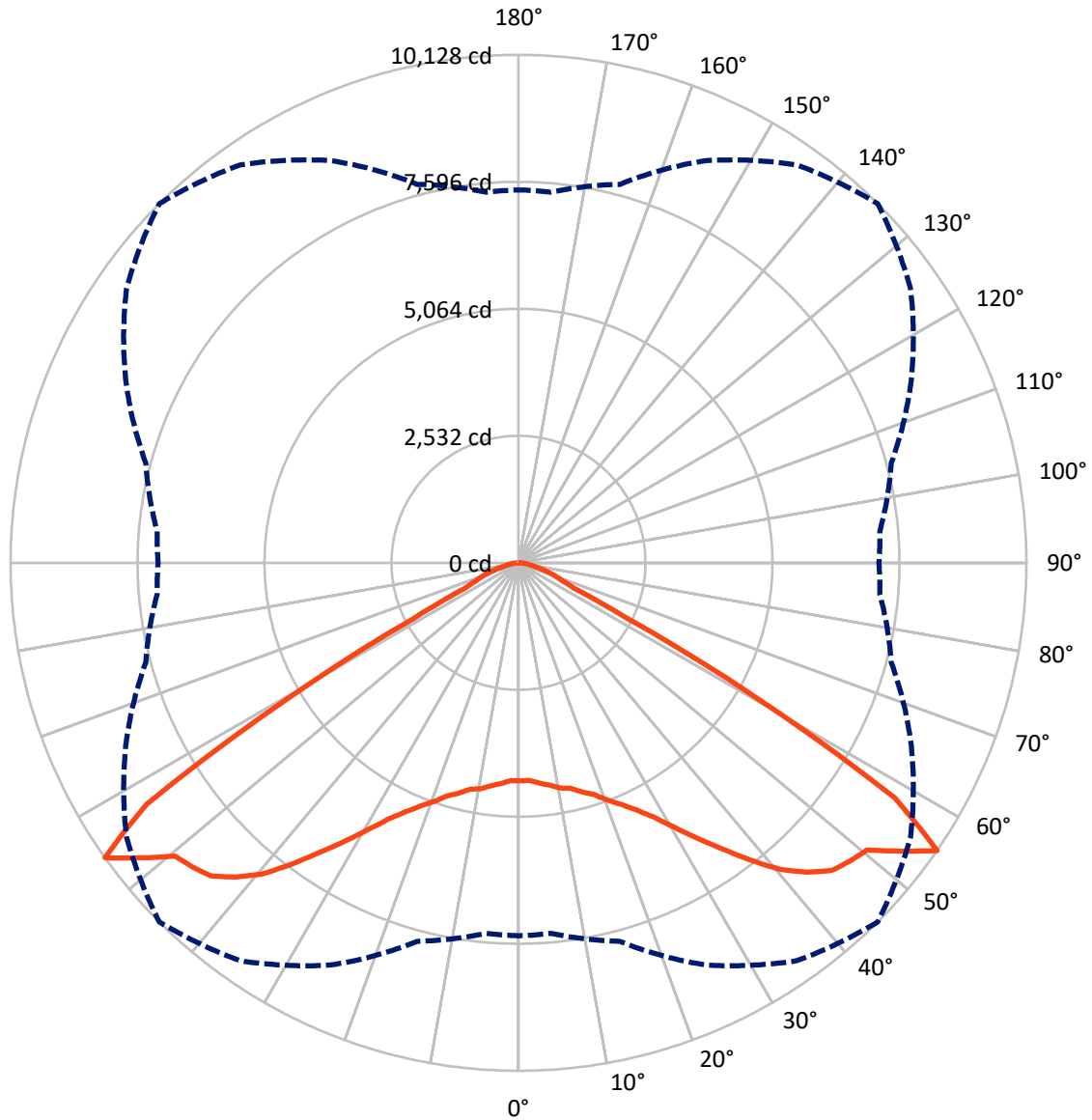
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11898.5	0.0	11898.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11898.5	0.0	11898.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23796.9	0.0	23796.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.5	1.8
10°-20°	1344.9	5.7
20°-30°	2507.8	10.5
30°-40°	4198.9	17.6
40°-50°	6533.9	27.5
50°-60°	6784.2	28.5
60°-70°	1438.7	6.0
70°-80°	473.8	2.0
80°-90°	90.2	0.4
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°	23796.9	100.0
0°-180°	23796.9	100.0

Coefficient of Utilization



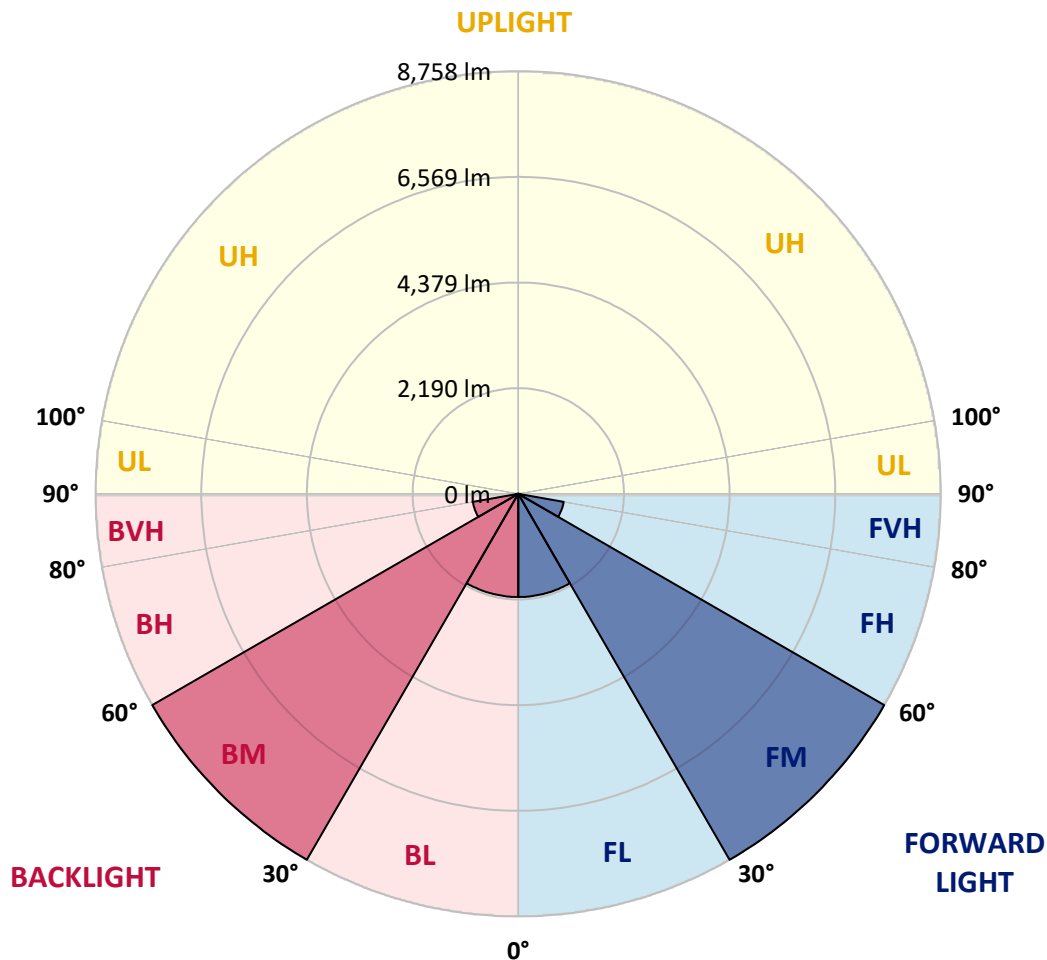
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2138.6	9.0			
FM (30°-60°)	8758.5	36.8			
FH (60°-80°)	956.3	4.0			G1/1800
FVH (80°-90°)	45.1	0.2			G1/100
BL (0°-30°)	2138.6	9.0	B3/2500		
BM (30°-60°)	8758.5	36.8	B5		
BH (60°-80°)	956.3	4.0	B2/1000		G1/1800
BVH (80°-90°)	45.1	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°	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9	4344.9
2.5°	4396.7	4376.6	4342.1	4368.0	4388.1	4344.9	4362.2	4370.9	4365.1	4342.1	4350.7
5°	4460.0	4448.5	4419.7	4439.8	4414.0	4414.0	4396.7	4373.8	4408.2	4402.5	4416.8
7.5°	4460.0	4445.6	4503.1	4465.8	4477.3	4477.3	4448.5	4425.5	4442.7	4416.8	4402.5
10°	4549.2	4569.3	4543.4	4552.0	4546.3	4566.4	4523.2	4508.9	4494.5	4485.9	4468.6
12.5°	4655.6	4641.2	4649.8	4644.1	4664.2	4612.4	4586.5	4554.9	4580.8	4543.4	4569.3
15°	4741.8	4733.2	4741.8	4764.8	4744.7	4741.8	4695.8	4664.2	4623.9	4632.5	4592.3
17.5°	4859.7	4851.1	4854.0	4874.1	4871.2	4856.8	4822.3	4761.9	4747.6	4724.5	4698.6
20°	5035.1	5020.8	5015.0	5023.6	5038.0	5049.5	4980.4	4957.5	4908.5	4871.2	4828.1
22.5°	5184.6	5178.8	5201.9	5164.5	5196.1	5230.7	5164.5	5153.0	5032.2	5012.1	4966.1
25°	5391.7	5383.0	5368.6	5423.3	5460.7	5457.8	5394.6	5331.3	5239.3	5216.3	5216.3
27.5°	5610.2	5561.3	5636.1	5650.4	5716.6	5736.7	5682.1	5590.1	5503.8	5454.9	5466.4
30°	5883.4	5837.3	5854.6	5958.2	6044.4	6119.1	5981.2	5846.0	5725.2	5638.9	5624.6
32.5°	6156.6	6110.5	6162.3	6263.0	6435.5	6547.6	6412.5	6176.7	6035.8	5909.3	5935.1
35°	6378.0	6412.5	6495.8	6648.3	6826.6	7007.7	6792.1	6610.9	6409.6	6268.7	6288.8
37.5°	6734.6	6840.9	6907.1	7082.5	7335.5	7522.4	7298.2	7062.3	6846.7	6662.6	6599.4
40°	7200.4	7272.3	7347.0	7554.1	7853.2	8040.1	7827.3	7519.6	7306.8	7117.0	7108.4
42.5°	7712.2	7781.2	7858.9	8112.0	8290.2	8431.1	8235.6	8071.7	7835.9	7686.4	7677.7
45°	8307.5	8258.6	8344.9	8511.7	8661.2	8753.2	8626.7	8546.1	8376.5	8238.5	8224.1
47.5°	8704.3	8661.2	8816.4	8966.0	8989.0	8888.4	8914.2	8989.0	8810.7	8583.6	8655.4
50°	8934.3	8934.3	9037.9	9175.9	9132.8	9003.4	9207.5	9213.2	9035.0	8833.7	8833.7
52.5°	8534.6	8623.8	8917.1	9368.6	9512.4	9549.7	9503.7	9308.1	8842.3	8431.1	8411.0
55°	7436.2	7416.0	7812.9	8848.1	9684.8	10127.7	9541.1	8641.0	7695.0	7232.0	7186.0
57.5°	4836.7	4859.7	5452.0	6507.4	8017.1	8842.3	7853.2	6587.9	5452.0	4813.6	4874.1
60°	2176.8	2254.4	2613.9	3401.8	4698.6	5371.5	4710.1	3574.3	2743.3	2380.9	2412.6
62.5°	1250.8	1265.2	1279.7	1518.3	2001.4	2366.6	2079.0	1604.5	1414.8	1351.5	1351.5
65°	1055.3	1046.7	1049.6	1069.7	1121.5	1196.3	1164.6	1121.5	1127.2	1121.5	1112.9
67.5°	897.2	908.7	900.1	914.5	917.3	928.8	948.9	966.2	969.0	974.8	969.0
70°	736.2	739.0	744.8	756.3	759.1	767.8	796.5	810.9	819.6	819.6	831.0
72.5°	563.6	560.7	566.5	578.0	592.3	595.2	621.2	641.3	652.8	638.4	641.3
75°	371.0	373.8	382.4	391.1	411.2	431.4	440.0	460.1	463.0	468.7	454.4
77.5°	221.4	227.1	235.8	253.1	270.3	287.5	307.7	322.0	327.8	322.0	304.8
80°	143.8	143.8	155.3	169.7	189.8	204.1	215.6	227.1	235.8	227.1	221.4
82.5°	89.1	89.1	103.5	120.7	135.1	143.8	161.1	175.4	184.0	178.3	169.7
85°	46.0	48.9	60.4	74.8	86.3	92.0	89.1	80.5	71.9	69.0	63.3
87.5°	14.4	14.4	17.2	17.2	14.4	14.4	17.2	14.4	17.2	17.2	17.2
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)