

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: P646937

Luminaire Tested: **GALN-SA5C-835-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646937
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-SA5C-835-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1050mA 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: 24155.5 lumens
Efficiency: N/A
Efficacy: 89.8 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): 269
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

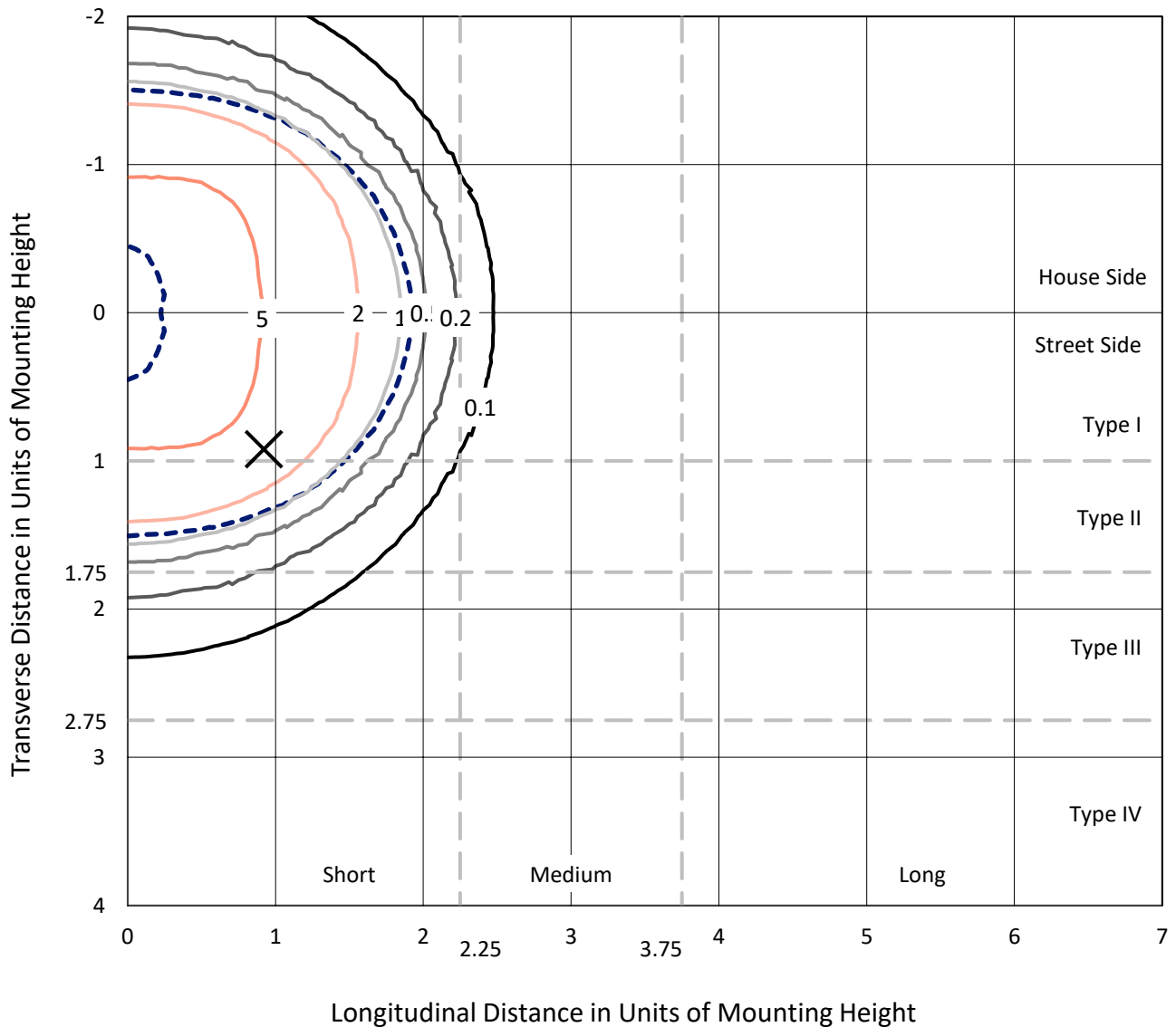




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Iso-Footcandle Lines of Horizontal Illumination

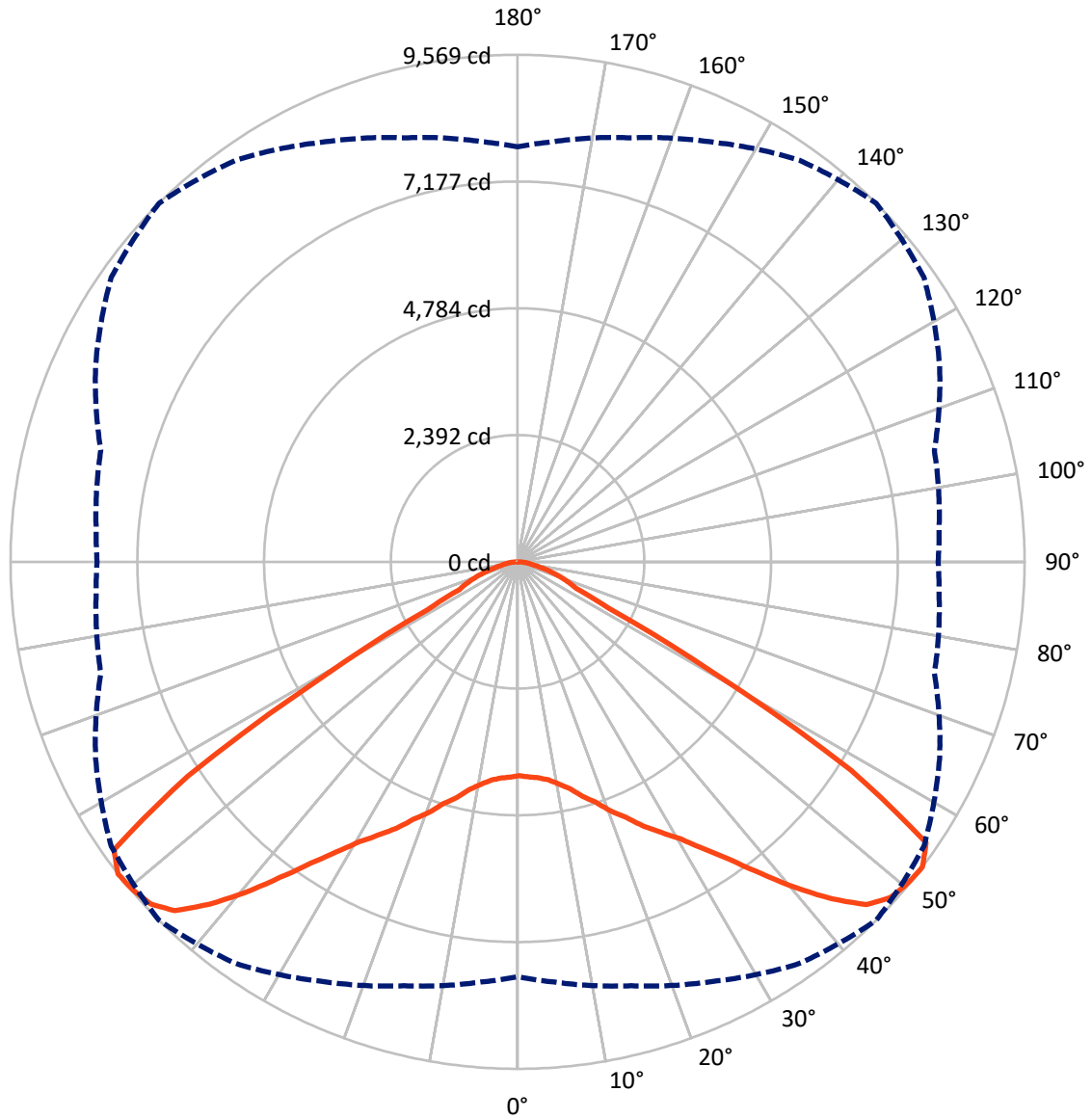
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	12077.8	0.0	12077.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12077.8	0.0	12077.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24155.5	0.0	24155.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.7	1.6
10°-20°	1303.6	5.4
20°-30°	2481.8	10.3
30°-40°	4261.5	17.6
40°-50°	6550.0	27.1
50°-60°	6651.4	27.5
60°-70°	1853.6	7.7
70°-80°	546.8	2.3
80°-90°	110.1	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°	24155.5	100.0
0°-180°	24155.5	100.0

Coefficient of Utilization

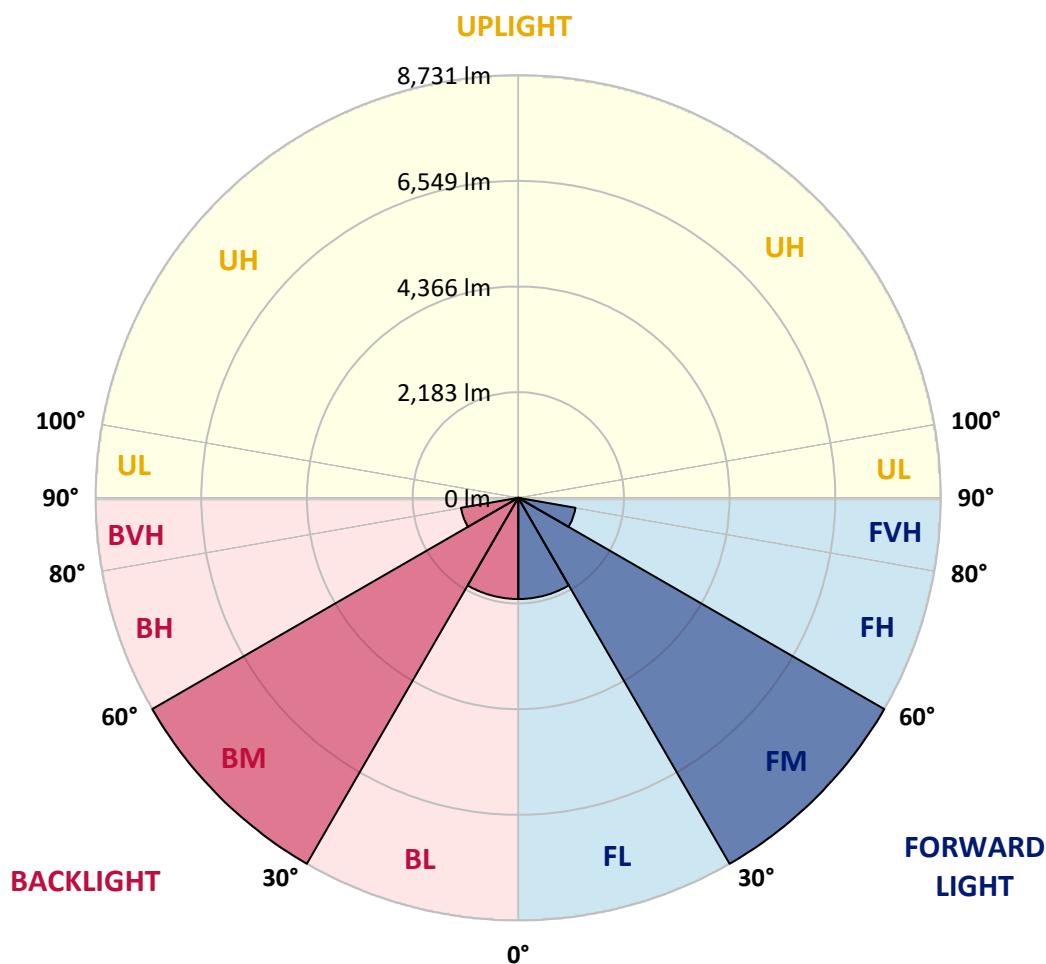


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2091.1	8.7			
FM (30°-60°)	8731.4	36.1			
FH (60°-80°)	1200.2	5.0			G1/1800
FVH (80°-90°)	55.1	0.2			G1/100
BL (0°-30°)	2091.1	8.7	B3/2500		
BM (30°-60°)	8731.4	36.1	B5		
BH (60°-80°)	1200.2	5.0	B3/2500		G1/1800
BVH (80°-90°)	55.1	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°	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9	4037.9
2.5°	4046.9	4005.0	4019.9	4028.9	4067.9	4064.9	4055.9	4067.9	4079.9	4082.9	4076.9
5°	4043.9	4014.0	4026.0	4035.0	4073.9	4094.9	4088.9	4139.9	4175.8	4166.8	4211.8
7.5°	4019.9	4037.9	4022.9	4067.9	4100.9	4151.9	4205.8	4253.7	4298.7	4349.6	4358.6
10°	4073.9	4073.9	4100.9	4136.8	4223.8	4262.7	4340.7	4409.6	4496.5	4556.5	4532.6
12.5°	4130.9	4139.9	4139.9	4232.7	4304.7	4391.6	4463.6	4556.5	4679.4	4751.4	4787.3
15°	4187.8	4193.8	4223.8	4349.6	4457.6	4595.5	4661.4	4745.4	4814.4	4949.2	4952.2
17.5°	4238.8	4271.7	4361.7	4502.6	4637.5	4769.3	4874.3	4961.2	5021.1	5075.1	5063.1
20°	4430.6	4454.6	4547.5	4688.4	4889.3	5018.2	5054.1	5069.1	5108.1	5216.0	5183.1
22.5°	4616.5	4625.5	4712.4	4928.2	5069.1	5240.0	5279.0	5270.0	5284.9	5312.0	5359.9
25°	4808.3	4823.3	4943.2	5126.1	5323.9	5527.7	5560.8	5491.8	5470.8	5500.8	5503.8
27.5°	5054.1	5057.2	5210.0	5368.9	5593.8	5785.6	5836.6	5782.6	5683.6	5707.7	5746.6
30°	5365.9	5344.9	5497.8	5725.6	5962.5	6070.4	6157.3	6130.3	6022.4	6001.4	5968.4
32.5°	5725.6	5731.6	5869.5	6118.4	6274.2	6454.1	6547.0	6502.0	6433.1	6397.1	6418.1
35°	6232.2	6259.2	6352.2	6559.0	6810.8	6900.7	7047.6	6951.7	6771.9	6816.8	6855.8
37.5°	6648.9	6726.8	6900.7	7146.5	7296.5	7461.3	7515.2	7386.4	7254.5	7200.5	7329.4
40°	7287.5	7263.4	7455.3	7701.1	7922.9	8087.8	8018.9	7890.0	7563.2	7566.2	7602.2
42.5°	7836.0	7848.0	7994.9	8288.7	8591.5	8693.3	8474.6	8159.8	7797.0	7758.0	7836.0
45°	8297.7	8345.6	8429.5	8822.3	9119.1	9229.9	8825.3	8453.6	7967.9	7806.0	7934.9
47.5°	8462.5	8540.5	8723.3	9083.0	9376.8	9466.8	9143.0	8609.4	8126.8	7863.0	7931.9
50°	8486.5	8459.5	8759.3	9089.1	9346.9	9541.7	9256.9	8723.3	8087.8	7950.0	7929.0
52.5°	7830.0	7961.9	8282.7	8735.3	9256.9	9568.7	9358.9	8786.3	8141.8	7985.9	7934.9
55°	6337.1	6181.3	6765.8	7527.3	8486.5	9352.9	9322.9	8819.2	8174.8	8045.9	7976.9
57.5°	3537.3	3582.3	3912.0	4739.4	5977.4	7416.3	8288.7	8471.5	8159.8	8084.9	8120.8
60°	1636.8	1651.7	1792.6	2179.3	2946.7	4205.8	5353.9	6520.0	7056.6	7164.5	7164.5
62.5°	1220.1	1214.0	1250.1	1319.0	1480.9	1933.5	2581.0	3507.3	4244.8	4760.4	4895.2
65°	1103.2	1100.2	1118.1	1142.2	1154.1	1217.1	1360.9	1645.7	1885.5	2023.4	1999.5
67.5°	965.3	962.2	968.3	983.2	1004.2	1037.2	1073.2	1133.2	1217.1	1211.1	1196.1
70°	779.4	779.4	788.4	800.4	824.3	863.3	905.3	947.3	1019.2	1034.2	1031.2
72.5°	575.6	566.6	584.6	608.5	632.5	680.5	725.4	764.4	815.4	830.4	824.3
75°	365.7	371.7	383.7	410.7	452.7	485.6	533.6	566.6	599.5	611.5	614.5
77.5°	203.8	209.8	230.8	263.8	305.8	341.7	383.7	410.7	431.7	434.6	437.7
80°	122.9	125.9	146.9	176.9	212.8	251.8	284.8	311.8	329.7	320.7	317.7
82.5°	74.9	77.9	95.9	122.9	152.9	182.8	218.8	242.8	260.8	248.8	236.9
85°	39.0	42.0	56.9	74.9	98.9	113.9	113.9	101.9	98.9	92.9	90.0
87.5°	12.0	12.0	15.0	18.0	15.0	18.0	21.0	24.0	24.0	27.0	24.0
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)