

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: P949892

Luminaire Tested: **GALN-SB4C-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31452 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

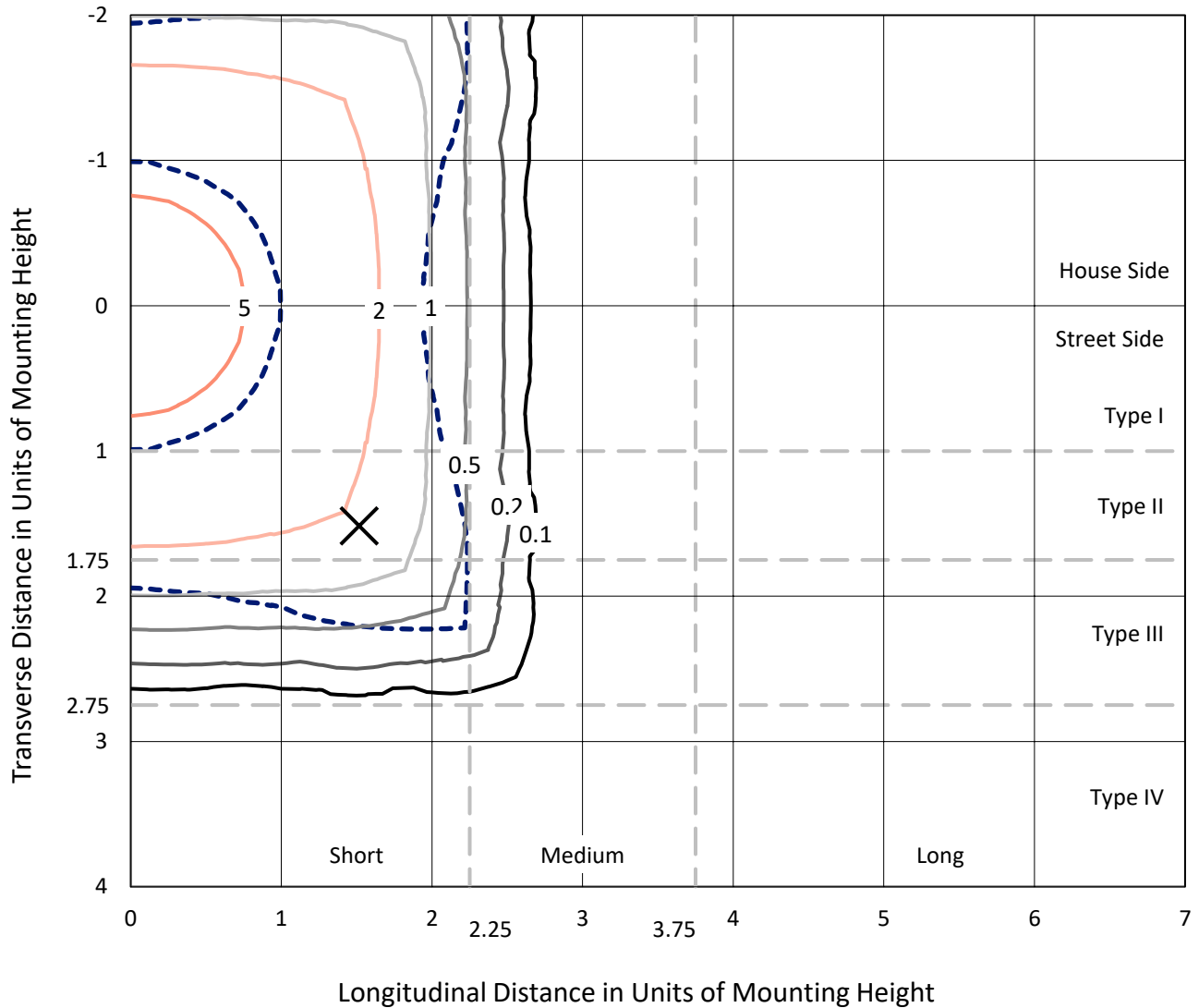
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

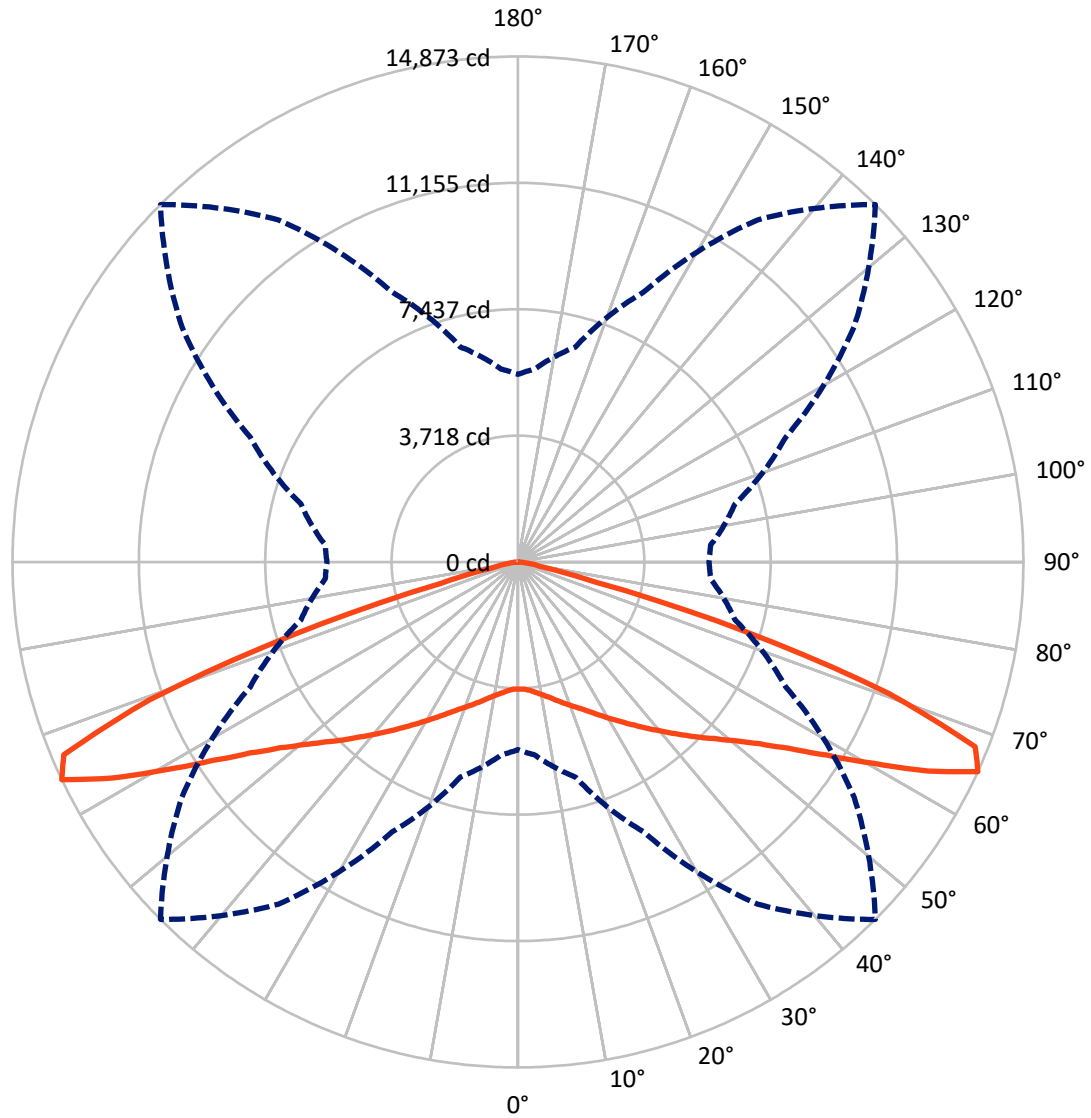
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15726.0	0.0	15726.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15726.0	0.0	15726.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31452.0	0.0	31452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.4	1.2
10°-20°	1205.4	3.8
20°-30°	2275.9	7.2
30°-40°	3726.8	11.8
40°-50°	5778.4	18.4
50°-60°	8535.9	27.1
60°-70°	8125.4	25.8
70°-80°	1311.1	4.2
80°-90°	123.6	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°	31452.0	100.0
0°-180°	31452.0	100.0

Coefficient of Utilization



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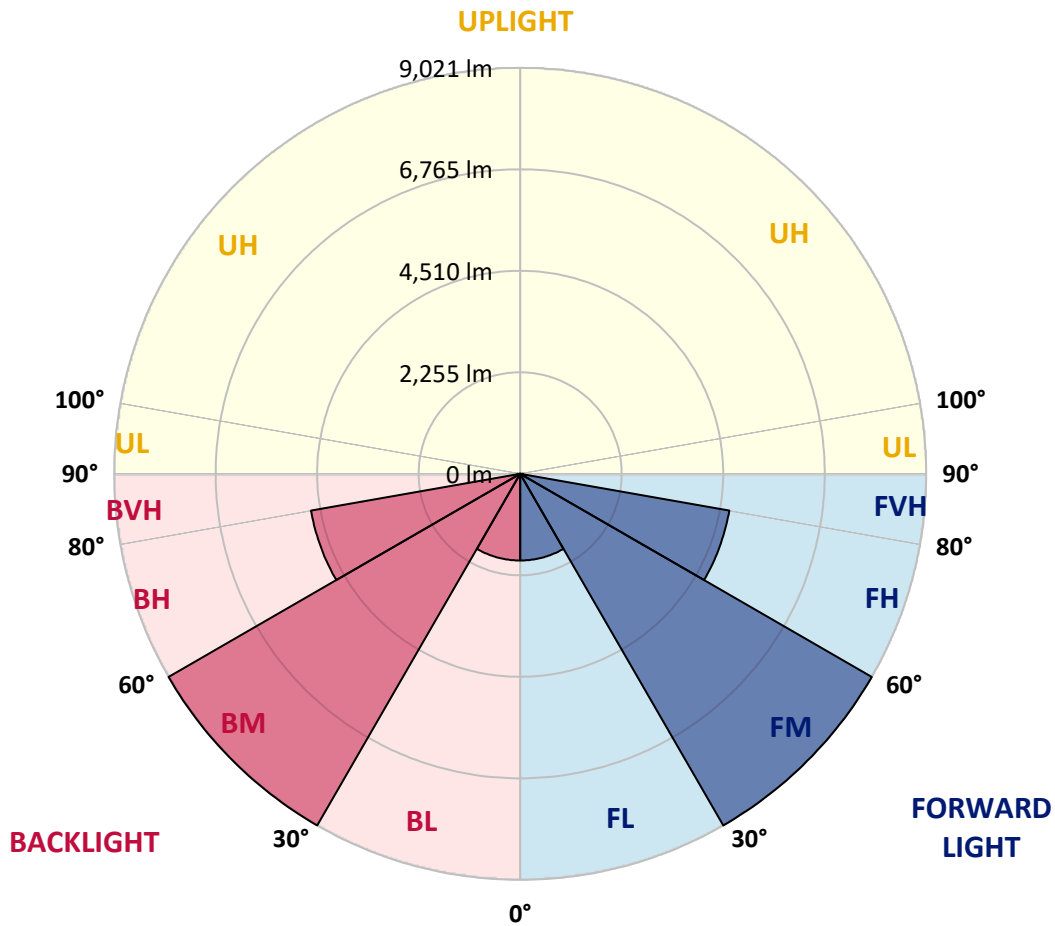
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1925.4	6.1			
FM (30°-60°)	9020.6	28.7			
FH (60°-80°)	4718.3	15.0			G2/5000
FVH (80°-90°)	61.8	0.2			G1/100
BL (0°-30°)	1925.4	6.1	B3/2500		
BM (30°-60°)	9020.6	28.7	B5		
BH (60°-80°)	4718.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	61.8	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3743.1	3743.1	3743.1	3743.1	3743.1	3743.1	3743.1	3743.1	3743.1	3743.1
2.5°	3768.4	3755.7	3765.2	3757.3	3751.0	3744.7	3747.8	3758.9	3763.6	3765.2
5°	3818.8	3807.8	3812.5	3812.5	3801.5	3798.3	3799.9	3807.8	3817.3	3817.3
7.5°	3900.9	3889.9	3900.9	3894.6	3885.1	3882.0	3880.4	3886.7	3900.9	3900.9
10°	4000.3	3987.7	3994.0	3990.9	3979.8	3975.1	3973.5	3983.0	3995.6	3994.0
12.5°	4109.2	4095.0	4102.9	4093.4	4090.3	4085.5	4085.5	4084.0	4091.8	4085.5
15°	4230.7	4221.2	4224.4	4218.1	4222.8	4219.7	4207.0	4200.7	4203.9	4194.4
17.5°	4374.3	4352.2	4363.3	4360.1	4360.1	4366.4	4345.9	4338.0	4344.3	4334.9
20°	4540.0	4517.9	4522.7	4516.3	4508.5	4514.8	4489.5	4495.8	4500.6	4494.2
22.5°	4721.5	4693.1	4691.5	4694.7	4677.3	4678.9	4661.5	4677.3	4686.8	4669.4
25°	4907.7	4877.7	4898.2	4890.3	4868.2	4873.0	4860.4	4876.1	4884.0	4861.9
27.5°	5104.9	5084.4	5103.4	5108.1	5081.3	5100.2	5081.3	5095.5	5103.4	5070.2
30°	5335.3	5314.8	5332.2	5344.8	5313.2	5343.2	5327.5	5336.9	5338.5	5299.0
32.5°	5586.2	5554.7	5598.9	5605.2	5570.5	5606.8	5586.2	5598.9	5606.8	5553.1
35°	5892.4	5852.9	5903.4	5895.5	5865.6	5895.5	5876.6	5895.5	5914.5	5849.8
37.5°	6222.2	6181.2	6234.8	6220.6	6192.2	6212.7	6201.7	6214.3	6244.3	6174.9
40°	6585.1	6534.6	6607.2	6582.0	6555.2	6552.0	6558.3	6566.2	6605.7	6528.3
42.5°	6973.3	6919.7	7028.6	6989.1	6951.3	6926.0	6946.5	6962.3	7000.2	6913.4
45°	7416.8	7355.2	7497.3	7449.9	7389.9	7337.9	7371.0	7394.7	7449.9	7345.8
47.5°	7906.0	7836.5	7988.0	7973.8	7876.0	7762.4	7838.1	7906.0	7947.0	7820.7
50°	8384.1	8330.5	8529.3	8546.6	8426.7	8267.3	8373.1	8475.6	8486.7	8321.0
52.5°	8832.3	8778.6	9067.4	9176.3	9069.0	8879.6	8991.7	9095.8	9012.2	8797.6
55°	9190.5	9146.3	9514.0	9794.9	9831.2	9674.9	9741.2	9738.1	9463.5	9133.7
57.5°	9277.3	9271.0	9734.9	10329.8	10708.6	10727.5	10596.5	10262.0	9670.2	9226.8
60°	8882.8	8922.2	9559.7	10609.1	11619.1	12038.8	11472.3	10517.6	9435.1	8819.6
62.5°	7702.4	7806.5	8575.1	10268.3	12354.4	13547.4	12174.6	10129.4	8469.3	7666.1
65°	5520.0	5701.4	6550.4	8762.8	12288.2	14873.0	12073.6	8691.8	6613.6	5687.2
67.5°	2504.3	2689.0	3410.1	5999.7	10681.7	14513.2	10656.5	6062.8	3580.6	2698.4
70°	907.4	938.9	1170.9	2401.8	6826.6	11563.9	7118.5	2419.1	1245.1	1000.5
72.5°	549.2	553.9	602.8	860.0	2371.8	7020.7	2472.8	888.4	615.4	546.0
75°	348.7	345.6	429.2	525.5	841.1	2368.6	882.1	525.5	427.6	389.8
77.5°	250.9	258.8	307.7	392.9	530.2	803.2	520.8	375.6	307.7	252.5
80°	187.8	192.5	224.1	306.1	372.4	500.2	331.4	277.7	232.0	157.8
82.5°	135.7	135.7	146.8	222.5	227.2	269.8	179.9	195.7	153.1	112.0
85°	80.5	78.9	91.5	132.6	118.4	99.4	82.1	119.9	96.3	69.4
87.5°	28.4	30.0	28.4	37.9	31.6	26.8	25.2	33.1	26.8	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3743.1
3765.2
3817.3
3896.2
3990.9
4088.7
4196.0
4342.8
4508.5
4686.8
4887.2
5095.5
5322.7
5589.4
5889.2
6217.5
6553.6
6959.1
7399.4
7863.4
8341.5
8803.9
9144.7
9198.4
8747.1
7618.8
5619.4
2659.0
987.9
555.5
392.9
257.2
162.5
112.0
67.9
22.1
0.0

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