

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: P949913

Luminaire Tested: **GALN-SB4C-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949913
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-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33275 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

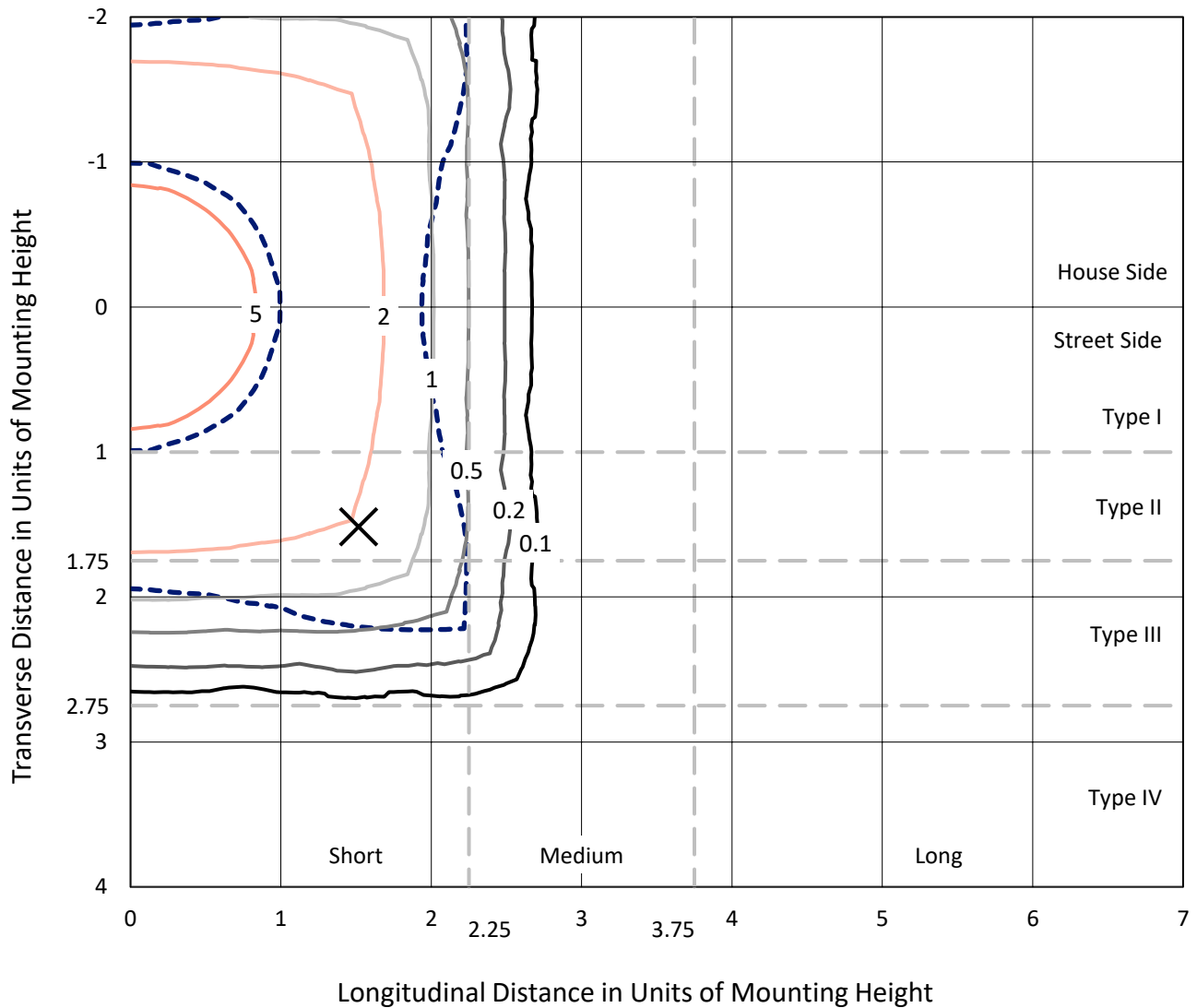
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

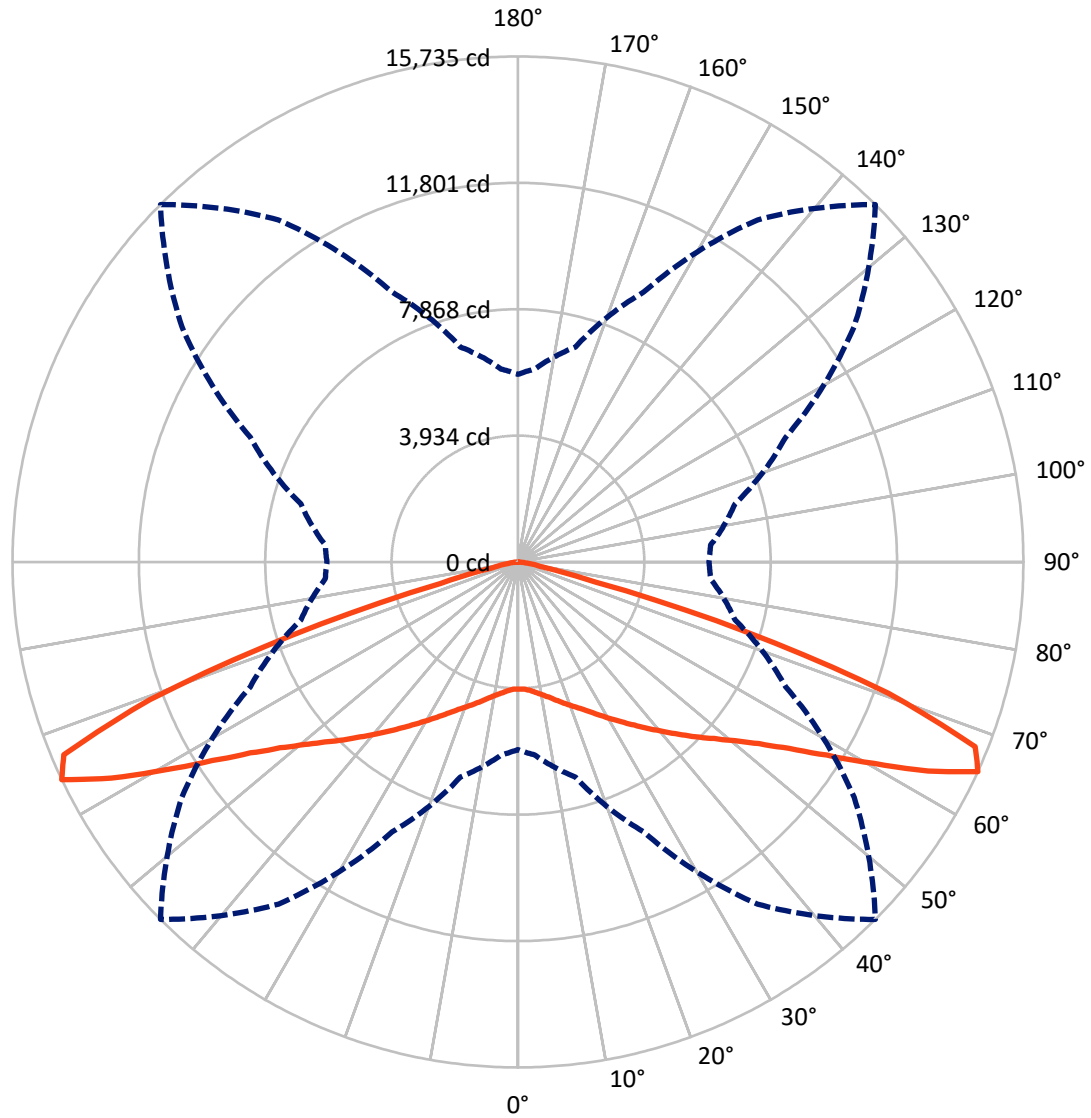
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	16637.5	0.0	16637.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16637.5	0.0	16637.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33275.0	0.0	33275.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.8	1.2
10°-20°	1275.3	3.8
20°-30°	2407.9	7.2
30°-40°	3942.8	11.8
40°-50°	6113.3	18.4
50°-60°	9030.7	27.1
60°-70°	8596.4	25.8
70°-80°	1387.1	4.2
80°-90°	130.8	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°	33275.0	100.0
0°-180°	33275.0	100.0



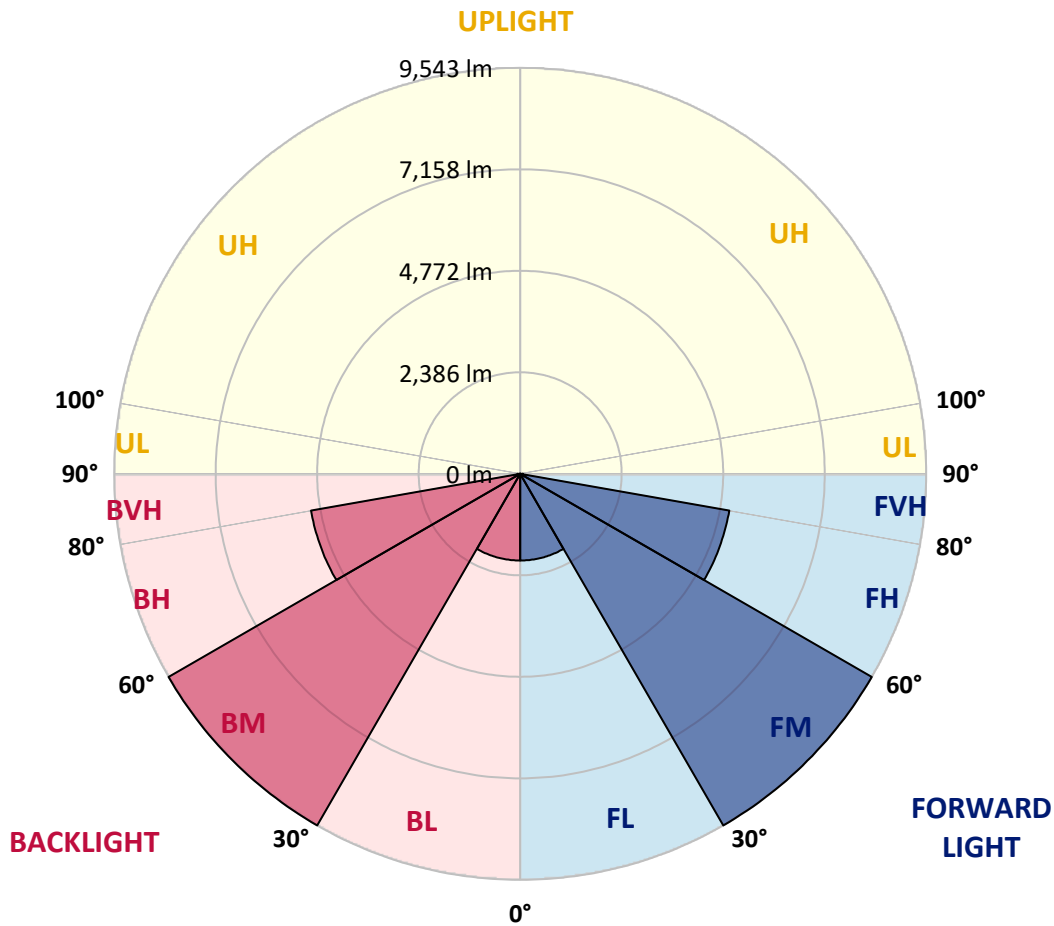
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2037.0	6.1			
FM (30°-60°)	9543.4	28.7			
FH (60°-80°)	4991.7	15.0			G2/5000
FVH (80°-90°)	65.4	0.2			G1/100
BL (0°-30°)	2037.0	6.1	B3/2500		
BM (30°-60°)	9543.4	28.7	B5		
BH (60°-80°)	4991.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	65.4	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°	3960.1	3960.1	3960.1	3960.1	3960.1	3960.1	3960.1	3960.1	3960.1	3960.1
2.5°	3986.8	3973.4	3983.4	3975.1	3968.4	3961.7	3965.1	3976.8	3981.8	3983.4
5°	4040.2	4028.5	4033.5	4033.5	4021.8	4018.5	4020.2	4028.5	4038.5	4038.5
7.5°	4127.0	4115.3	4127.0	4120.3	4110.3	4107.0	4105.3	4112.0	4127.0	4127.0
10°	4232.2	4218.8	4225.5	4222.2	4210.5	4205.5	4203.8	4213.8	4227.2	4225.5
12.5°	4347.4	4332.4	4340.7	4330.7	4327.3	4322.3	4322.3	4320.7	4329.0	4322.3
15°	4475.9	4465.9	4469.3	4462.6	4467.6	4464.2	4450.9	4444.2	4447.6	4437.5
17.5°	4627.9	4604.5	4616.2	4612.8	4612.8	4619.5	4597.8	4589.5	4596.1	4586.1
20°	4803.2	4779.8	4784.8	4778.1	4769.8	4776.4	4749.7	4756.4	4761.4	4754.7
22.5°	4995.1	4965.1	4963.4	4966.8	4948.4	4950.1	4931.7	4948.4	4958.4	4940.1
25°	5192.1	5160.4	5182.1	5173.8	5150.4	5155.4	5142.1	5158.8	5167.1	5143.7
27.5°	5400.8	5379.1	5399.2	5404.2	5375.8	5395.8	5375.8	5390.8	5399.2	5364.1
30°	5644.6	5622.9	5641.2	5654.6	5621.2	5652.9	5636.2	5646.3	5647.9	5606.2
32.5°	5910.0	5876.6	5923.4	5930.1	5893.3	5931.7	5910.0	5923.4	5931.7	5875.0
35°	6233.9	6192.2	6245.6	6237.3	6205.5	6237.3	6217.2	6237.3	6257.3	6188.8
37.5°	6582.8	6539.4	6596.2	6581.2	6551.1	6572.8	6561.1	6574.5	6606.2	6532.8
40°	6966.8	6913.4	6990.2	6963.5	6935.1	6931.8	6938.4	6946.8	6988.5	6906.7
42.5°	7377.5	7320.8	7436.0	7394.2	7354.2	7327.4	7349.1	7365.8	7405.9	7314.1
45°	7846.7	7781.5	7931.8	7881.7	7818.3	7763.2	7798.2	7823.3	7881.7	7771.5
47.5°	8364.2	8290.7	8451.0	8436.0	8332.5	8212.3	8292.4	8364.2	8407.6	8274.0
50°	8870.1	8813.3	9023.7	9042.0	8915.1	8746.5	8858.4	8966.9	8978.6	8803.3
52.5°	9344.2	9287.4	9593.0	9708.2	9594.6	9394.3	9512.8	9623.0	9534.5	9307.5
55°	9723.2	9676.4	10065.4	10362.6	10401.0	10235.7	10305.8	10302.5	10012.0	9663.1
57.5°	9815.0	9808.3	10299.2	10928.6	11329.2	11349.3	11210.7	10856.8	10230.7	9761.6
60°	9397.6	9439.4	10113.8	11224.1	12292.5	12736.6	12137.3	11127.2	9982.0	9330.8
62.5°	8148.8	8259.0	9072.1	10863.4	13070.5	14332.7	12880.2	10716.5	8960.2	8110.4
65°	5839.9	6031.9	6930.1	9270.7	13000.4	15735.1	12773.4	9195.6	6996.9	6016.9
67.5°	2649.5	2844.8	3607.8	6347.4	11300.9	15354.4	11274.1	6414.2	3788.1	2854.8
70°	960.0	993.4	1238.8	2541.0	7222.3	12234.1	7531.1	2559.3	1317.2	1058.5
72.5°	581.0	586.0	637.7	909.9	2509.3	7427.6	2616.1	939.9	651.1	577.6
75°	369.0	365.6	454.1	555.9	889.8	2505.9	933.3	555.9	452.4	412.4
77.5°	265.5	273.8	325.6	415.7	561.0	849.8	550.9	397.3	325.6	267.1
80°	198.7	203.7	237.1	323.9	394.0	529.2	350.6	293.8	245.4	167.0
82.5°	143.6	143.6	155.3	235.4	240.4	285.5	190.3	207.0	161.9	118.5
85°	85.1	83.5	96.8	140.2	125.2	105.2	86.8	126.9	101.8	73.5
87.5°	30.1	31.7	30.1	40.1	33.4	28.4	26.7	35.1	28.4	25.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3960.1
3983.4
4038.5
4122.0
4222.2
4325.7
4439.2
4594.5
4769.8
4958.4
5170.4
5390.8
5631.2
5913.4
6230.6
6577.8
6933.4
7362.5
7828.3
8319.1
8825.0
9314.1
9674.8
9731.5
9254.0
8060.4
5945.1
2813.1
1045.1
587.7
415.7
272.1
172.0
118.5
71.8
23.4
0.0

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