

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: P951341

Luminaire Tested: **GALN-SB5C-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951341
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-SB5C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 41940 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

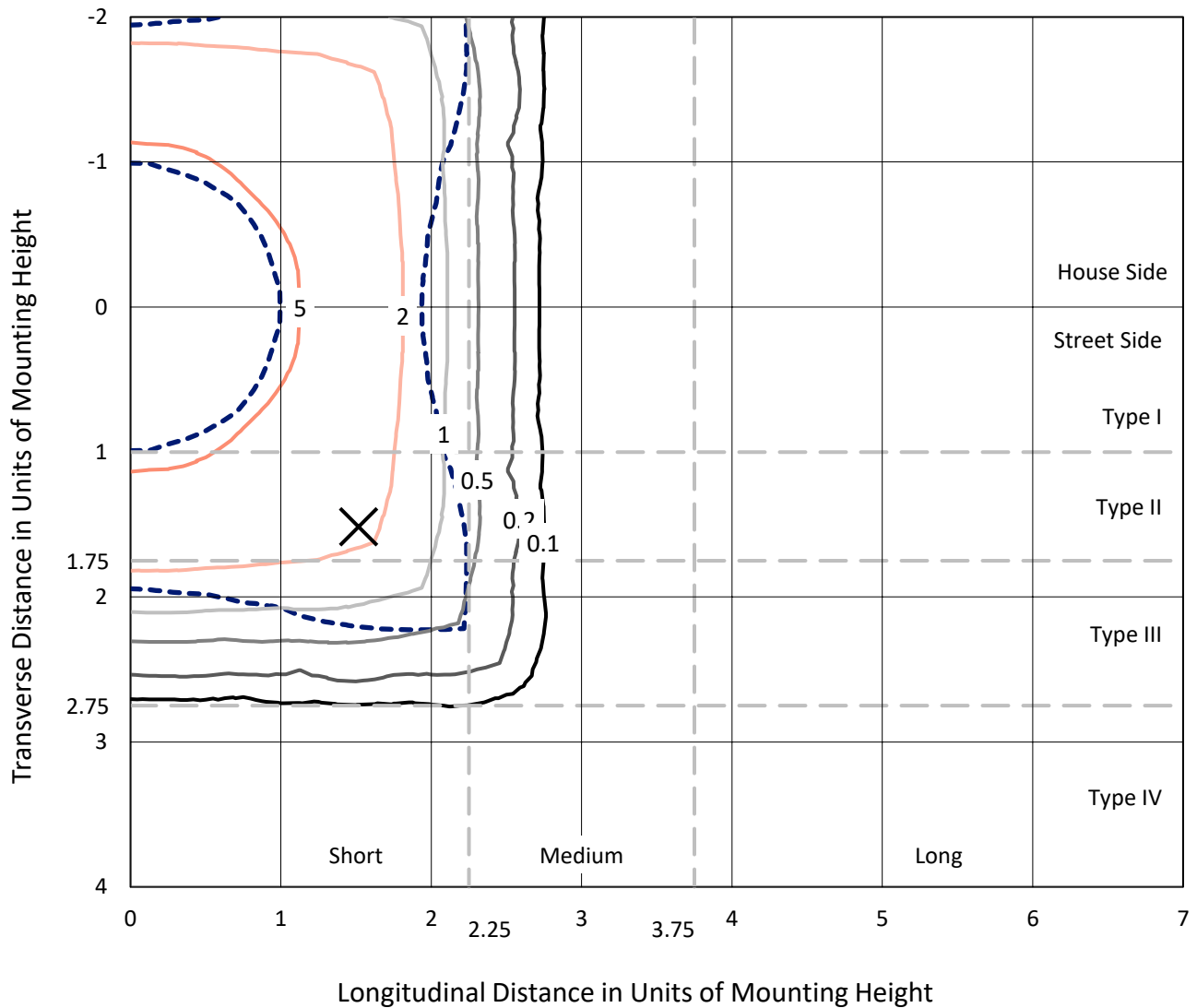
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

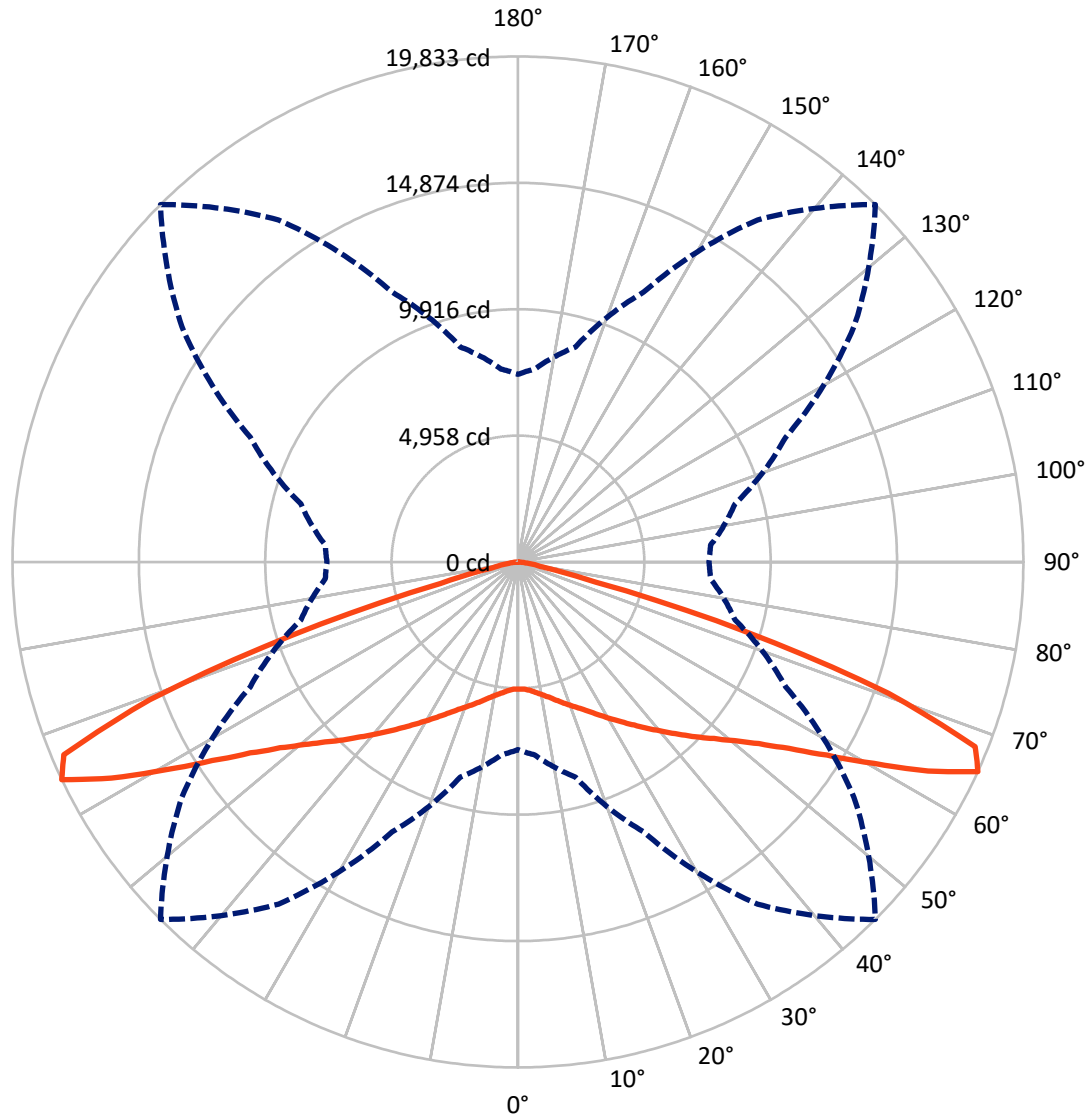
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	20970.0	0.0	20970.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20970.0	0.0	20970.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41940.0	0.0	41940.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.6	1.2
10°-20°	1607.4	3.8
20°-30°	3034.9	7.2
30°-40°	4969.5	11.8
40°-50°	7705.3	18.4
50°-60°	11382.3	27.1
60°-70°	10834.9	25.8
70°-80°	1748.4	4.2
80°-90°	164.8	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°	41940.0	100.0
0°-180°	41940.0	100.0



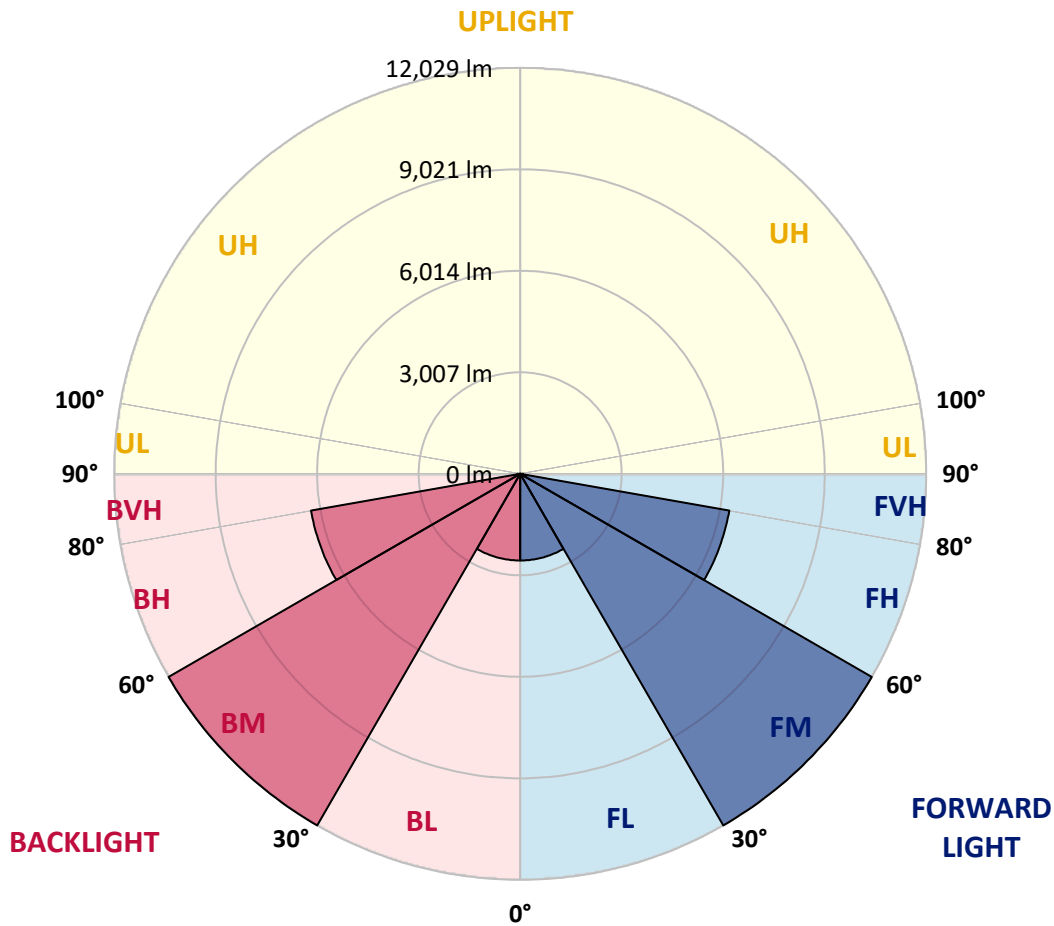
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2567.4	6.1			
FM (30°-60°)	12028.6	28.7			
FH (60°-80°)	6291.6	15.0			G3/7500
FVH (80°-90°)	82.4	0.2			G1/100
BL (0°-30°)	2567.4	6.1	B4/5000		
BM (30°-60°)	12028.6	28.7	B5		
BH (60°-80°)	6291.6	15.0	B5		G3/7500
BVH (80°-90°)	82.4	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4991.3	4991.3	4991.3	4991.3	4991.3	4991.3	4991.3	4991.3	4991.3	4991.3
2.5°	5024.9	5008.1	5020.7	5010.2	5001.8	4993.4	4997.6	5012.3	5018.6	5020.7
5°	5092.3	5077.6	5083.9	5083.9	5069.1	5064.9	5067.0	5077.6	5090.2	5090.2
7.5°	5201.7	5187.0	5201.7	5193.3	5180.7	5176.5	5174.3	5182.8	5201.7	5201.7
10°	5334.3	5317.4	5325.9	5321.6	5306.9	5300.6	5298.5	5311.1	5328.0	5325.9
12.5°	5479.5	5460.5	5471.0	5458.4	5454.2	5447.9	5447.9	5445.8	5456.3	5447.9
15°	5641.5	5628.9	5633.1	5624.7	5631.0	5626.8	5609.9	5601.5	5605.7	5593.1
17.5°	5833.0	5803.5	5818.2	5814.0	5814.0	5822.5	5795.1	5784.6	5793.0	5780.4
20°	6053.9	6024.5	6030.8	6022.4	6011.8	6020.3	5986.6	5995.0	6001.3	5992.9
22.5°	6295.9	6258.0	6255.9	6260.1	6237.0	6239.1	6216.0	6237.0	6249.6	6226.5
25°	6544.2	6504.2	6531.6	6521.1	6491.6	6497.9	6481.1	6502.1	6512.7	6483.2
27.5°	6807.2	6779.9	6805.1	6811.5	6775.7	6800.9	6775.7	6794.6	6805.1	6761.0
30°	7114.5	7087.1	7110.3	7127.1	7085.0	7125.0	7103.9	7116.6	7118.7	7066.1
32.5°	7449.0	7407.0	7465.9	7474.3	7428.0	7476.4	7449.0	7465.9	7476.4	7404.9
35°	7857.3	7804.7	7872.0	7861.5	7821.5	7861.5	7836.2	7861.5	7886.7	7800.5
37.5°	8297.1	8242.3	8313.9	8295.0	8257.1	8284.4	8269.7	8286.5	8326.5	8233.9
40°	8781.0	8713.7	8810.5	8776.8	8741.1	8736.8	8745.3	8755.8	8808.4	8705.3
42.5°	9298.7	9227.1	9372.3	9319.7	9269.2	9235.6	9262.9	9283.9	9334.5	9218.7
45°	9890.0	9807.9	9997.3	9934.2	9854.2	9784.8	9828.9	9860.5	9934.2	9795.3
47.5°	10542.3	10449.7	10651.7	10632.8	10502.3	10350.8	10451.8	10542.3	10597.0	10428.7
50°	11179.9	11108.3	11373.5	11396.6	11236.7	11024.2	11165.1	11301.9	11316.7	11095.7
52.5°	11777.5	11705.9	12091.0	12236.2	12093.1	11840.6	11990.0	12128.9	12017.4	11731.2
55°	12255.1	12196.2	12686.5	13061.1	13109.5	12901.2	12989.5	12985.3	12619.2	12179.4
57.5°	12370.9	12362.5	12981.1	13774.4	14279.4	14304.7	14130.0	13683.9	12894.8	12303.5
60°	11844.8	11897.4	12747.5	14146.9	15493.6	16053.3	15297.9	14024.8	12581.3	11760.6
62.5°	10270.8	10409.7	11434.5	13692.4	16474.2	18065.0	16234.3	13507.2	11293.5	10222.4
65°	7360.7	7602.7	8734.7	11684.9	16385.8	19832.6	16099.6	11590.2	8818.9	7583.7
67.5°	3339.4	3585.6	4547.3	8000.4	14243.7	19352.8	14210.0	8084.5	4774.5	3598.3
70°	1209.9	1252.0	1561.4	3202.7	9103.0	15419.9	9492.3	3225.8	1660.3	1334.1
72.5°	732.3	738.6	803.8	1146.8	3162.7	9361.8	3297.4	1184.7	820.7	728.1
75°	465.0	460.8	572.4	700.7	1121.6	3158.5	1176.3	700.7	570.3	519.7
77.5°	334.6	345.1	410.3	524.0	707.0	1071.1	694.4	500.8	410.3	336.7
80°	250.4	256.7	298.8	408.2	496.6	667.0	441.9	370.3	309.3	210.4
82.5°	181.0	181.0	195.7	296.7	303.0	359.8	239.9	260.9	204.1	149.4
85°	107.3	105.2	122.0	176.8	157.8	132.6	109.4	159.9	128.4	92.6
87.5°	37.9	40.0	37.9	50.5	42.1	35.8	33.7	44.2	35.8	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4991.3
5020.7
5090.2
5195.4
5321.6
5452.1
5595.2
5790.9
6011.8
6249.6
6516.9
6794.6
7097.6
7453.3
7853.1
8290.7
8738.9
9279.7
9866.8
10485.5
11123.1
11739.6
12194.1
12265.7
11663.9
10159.3
7493.2
3545.7
1317.3
740.7
524.0
343.0
216.7
149.4
90.5
29.5
0.0

OF REPORT)