

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: P952769

Luminaire Tested: **GALN-SB6C-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952769
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-SB6C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 50348 lumens
Efficiency: N/A
Efficacy: 167.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

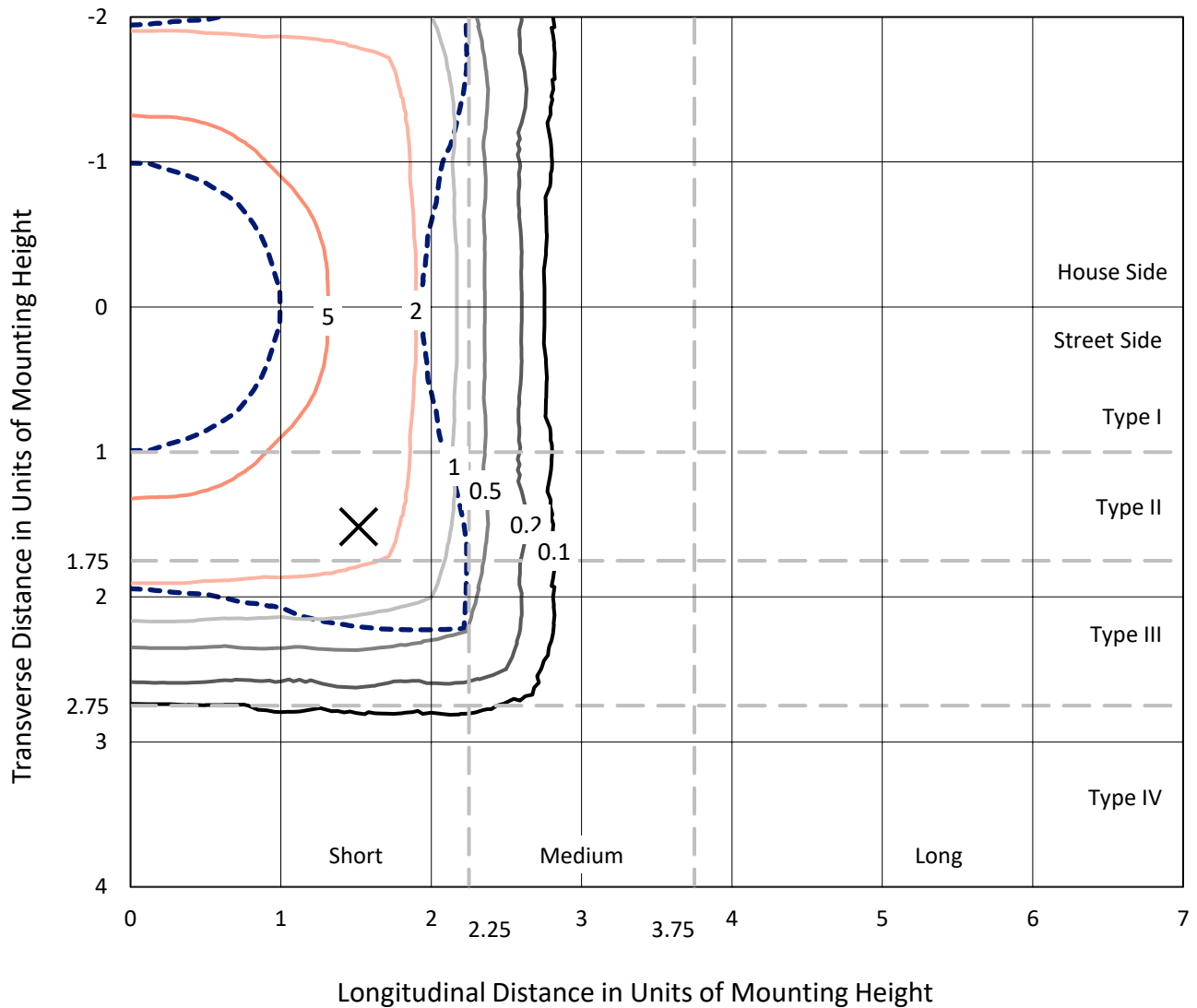
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

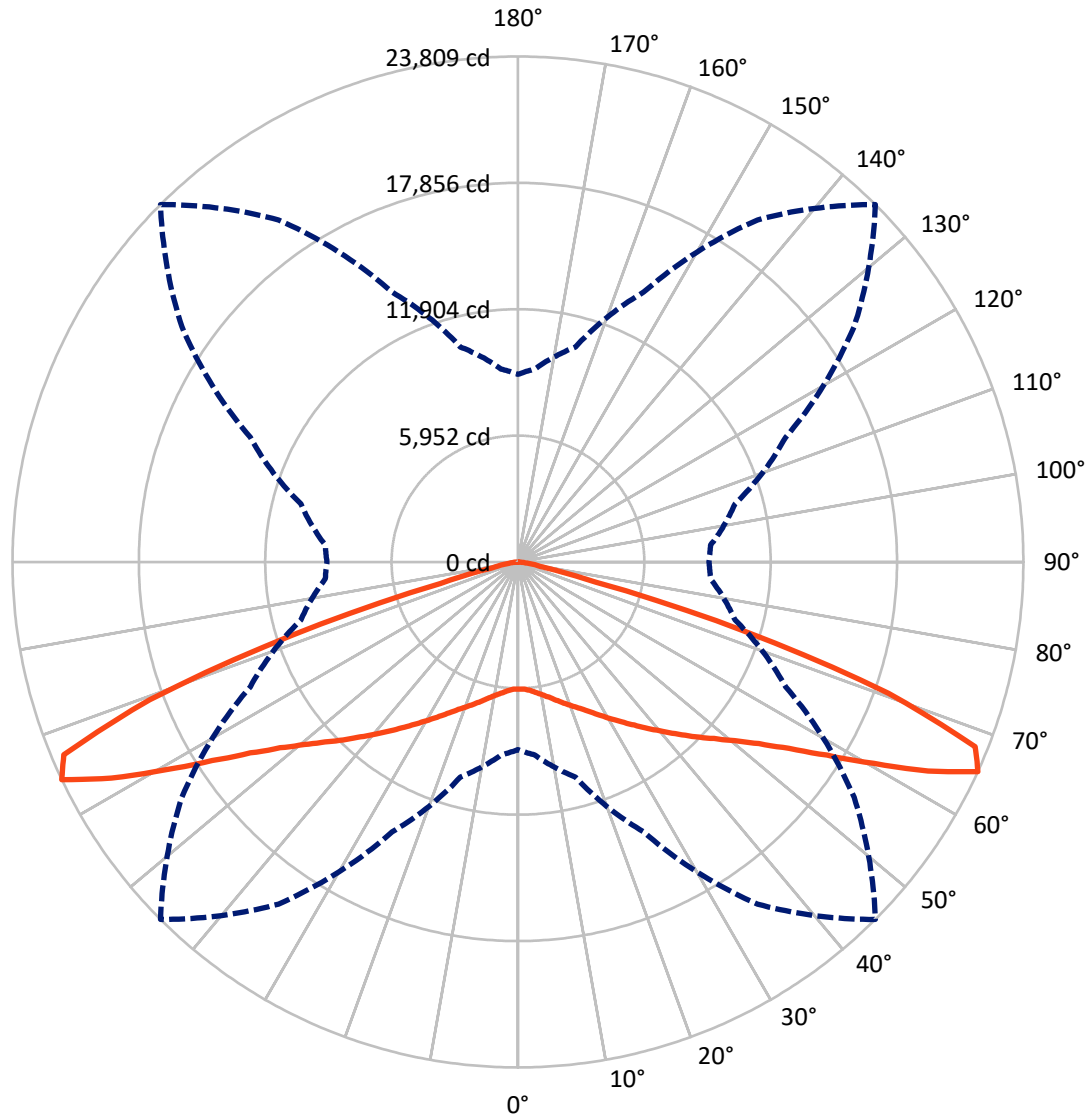
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	25174.0	0.0	25174.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25174.0	0.0	25174.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50348.0	0.0	50348.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.3	1.2
10°-20°	1929.6	3.8
20°-30°	3643.3	7.2
30°-40°	5965.8	11.8
40°-50°	9250.0	18.4
50°-60°	13664.2	27.1
60°-70°	13007.0	25.8
70°-80°	2098.9	4.2
80°-90°	197.8	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°	50348.0	100.0
0°-180°	50348.0	100.0

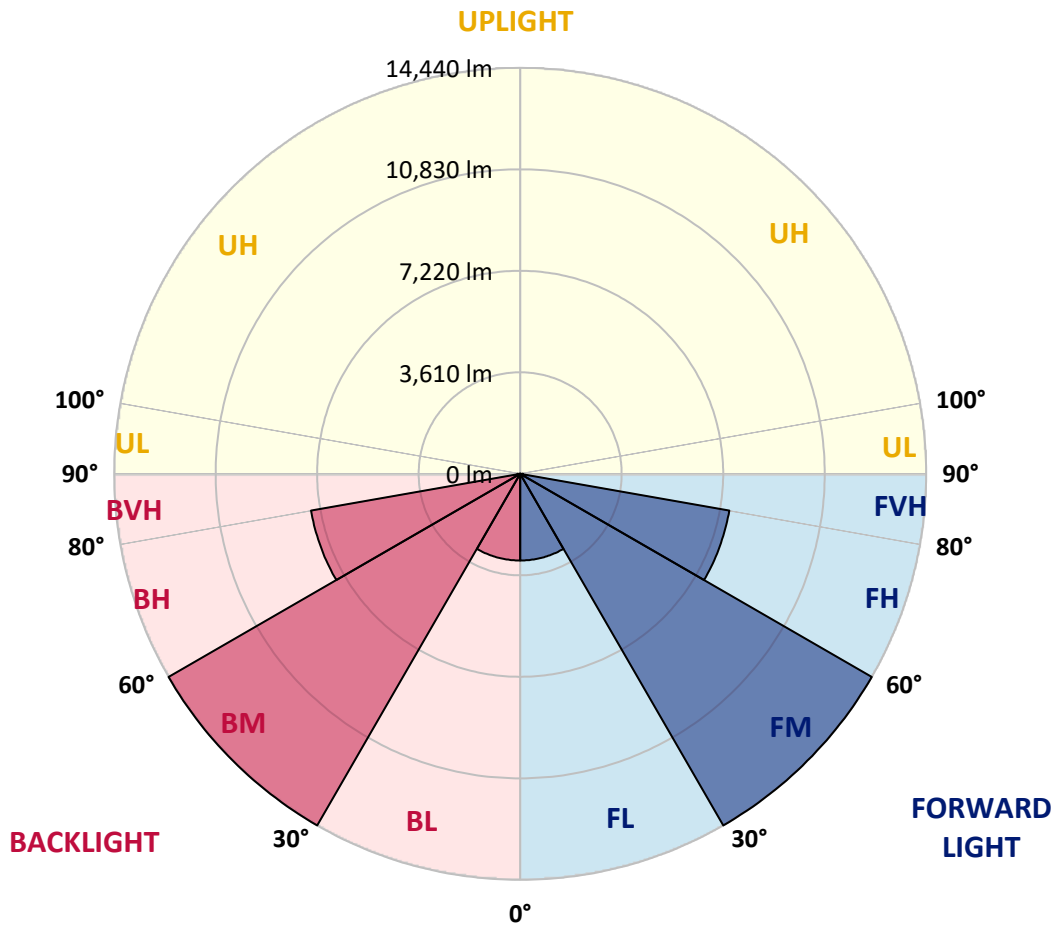


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3082.1	6.1			
FM (30°-60°)	14440.0	28.7			
FH (60°-80°)	7553.0	15.0			G4/12000
FVH (80°-90°)	98.9	0.2			G1/100
BL (0°-30°)	3082.1	6.1	B4/5000		
BM (30°-60°)	14440.0	28.7	B5		
BH (60°-80°)	7553.0	15.0	B5		G4/12000
BVH (80°-90°)	98.9	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-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5991.9	5991.9	5991.9	5991.9	5991.9	5991.9	5991.9	5991.9	5991.9	5991.9
2.5°	6032.3	6012.1	6027.3	6014.7	6004.5	5994.4	5999.5	6017.2	6024.8	6027.3
5°	6113.2	6095.5	6103.1	6103.1	6085.4	6080.3	6082.9	6095.5	6110.6	6110.6
7.5°	6244.5	6226.8	6244.5	6234.4	6219.3	6214.2	6211.7	6221.8	6244.5	6244.5
10°	6403.7	6383.5	6393.6	6388.5	6370.8	6363.3	6360.7	6375.9	6396.1	6393.6
12.5°	6578.0	6555.2	6567.9	6552.7	6547.7	6540.1	6540.1	6537.6	6550.2	6540.1
15°	6772.5	6757.3	6762.4	6752.3	6759.9	6754.8	6734.6	6724.5	6729.5	6714.4
17.5°	7002.4	6967.0	6984.7	6979.6	6979.6	6989.7	6956.9	6944.3	6954.4	6939.2
20°	7267.6	7232.2	7239.8	7229.7	7217.1	7227.2	7186.8	7196.9	7204.4	7194.3
22.5°	7558.1	7512.6	7510.1	7515.2	7487.4	7489.9	7462.1	7487.4	7502.5	7474.7
25°	7856.2	7808.2	7841.0	7828.4	7793.0	7800.6	7780.4	7805.7	7818.3	7782.9
27.5°	8171.9	8139.1	8169.4	8177.0	8134.1	8164.4	8134.1	8156.8	8169.4	8116.4
30°	8540.8	8507.9	8535.7	8555.9	8505.4	8553.4	8528.1	8543.3	8545.8	8482.7
32.5°	8942.4	8891.9	8962.6	8972.7	8917.1	8975.2	8942.4	8962.6	8975.2	8889.4
35°	9432.5	9369.3	9450.2	9437.5	9389.5	9437.5	9407.2	9437.5	9467.8	9364.3
37.5°	9960.4	9894.7	9980.6	9957.9	9912.4	9945.3	9927.6	9947.8	9995.8	9884.6
40°	10541.4	10460.6	10576.8	10536.4	10493.4	10488.4	10498.5	10511.1	10574.3	10450.5
42.5°	11162.8	11077.0	11251.3	11188.1	11127.5	11087.1	11119.9	11145.2	11205.8	11066.9
45°	11872.7	11774.2	12001.5	11925.7	11829.7	11746.4	11799.4	11837.3	11925.7	11759.0
47.5°	12655.8	12544.6	12787.1	12764.4	12607.8	12425.9	12547.2	12655.8	12721.5	12519.4
50°	13421.2	13335.3	13653.6	13681.4	13489.4	13234.3	13403.5	13567.7	13585.4	13320.1
52.5°	14138.6	14052.7	14515.0	14689.3	14517.5	14214.4	14393.7	14560.5	14426.6	14083.0
55°	14712.0	14641.3	15229.9	15679.5	15737.6	15487.5	15593.6	15588.6	15149.0	14621.1
57.5°	14851.0	14840.9	15583.5	16535.9	17142.1	17172.4	16962.8	16427.2	15480.0	14770.1
60°	14219.4	14282.6	15303.1	16983.0	18599.7	19271.6	18364.8	16836.5	15103.6	14118.4
62.5°	12329.9	12496.6	13726.8	16437.4	19776.9	21686.6	19488.9	16215.1	13557.6	12271.8
65°	8836.3	9126.8	10485.9	14027.4	19670.8	23808.5	19327.2	13913.8	10586.9	9104.1
67.5°	4008.9	4304.5	5458.9	9604.2	17099.2	23232.6	17058.8	9705.3	5731.7	4319.6
70°	1452.5	1503.0	1874.4	3844.7	10927.9	18511.3	11395.2	3872.5	1993.1	1601.5
72.5°	879.1	886.7	965.0	1376.7	3796.7	11238.6	3958.4	1422.2	985.2	874.0
75°	558.3	553.2	687.1	841.2	1346.4	3791.7	1412.1	841.2	684.6	623.9
77.5°	401.7	414.3	492.6	629.0	848.8	1285.8	833.6	601.2	492.6	404.2
80°	300.6	308.2	358.7	490.1	596.2	800.8	530.5	444.6	371.3	252.6
82.5°	217.2	217.2	234.9	356.2	363.8	432.0	288.0	313.2	245.0	179.4
85°	128.8	126.3	146.5	212.2	189.5	159.1	131.4	192.0	154.1	111.1
87.5°	45.5	48.0	45.5	60.6	50.5	42.9	40.4	53.0	42.9	37.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5991.9
6027.3
6110.6
6236.9
6388.5
6545.1
6716.9
6951.8
7217.1
7502.5
7823.3
8156.8
8520.5
8947.5
9427.4
9952.8
10490.9
11140.1
11844.9
12587.6
13353.0
14093.1
14638.8
14724.7
14002.2
12196.0
8995.5
4256.5
1581.3
889.2
629.0
411.8
260.2
179.4
108.6
35.4
0.0

OF REPORT)