

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: P942660

Luminaire Tested: **GALN-SB6D-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66037 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

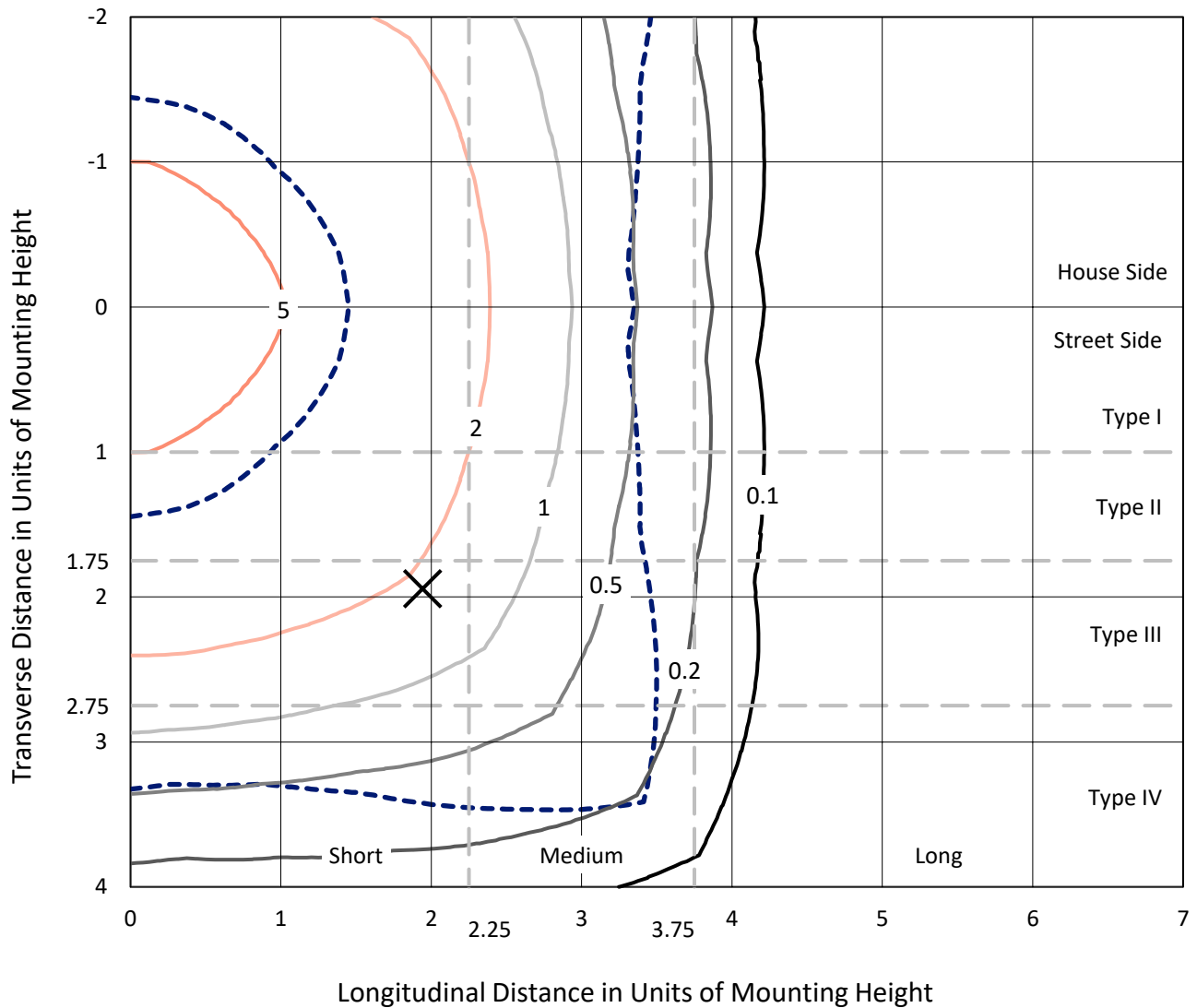
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

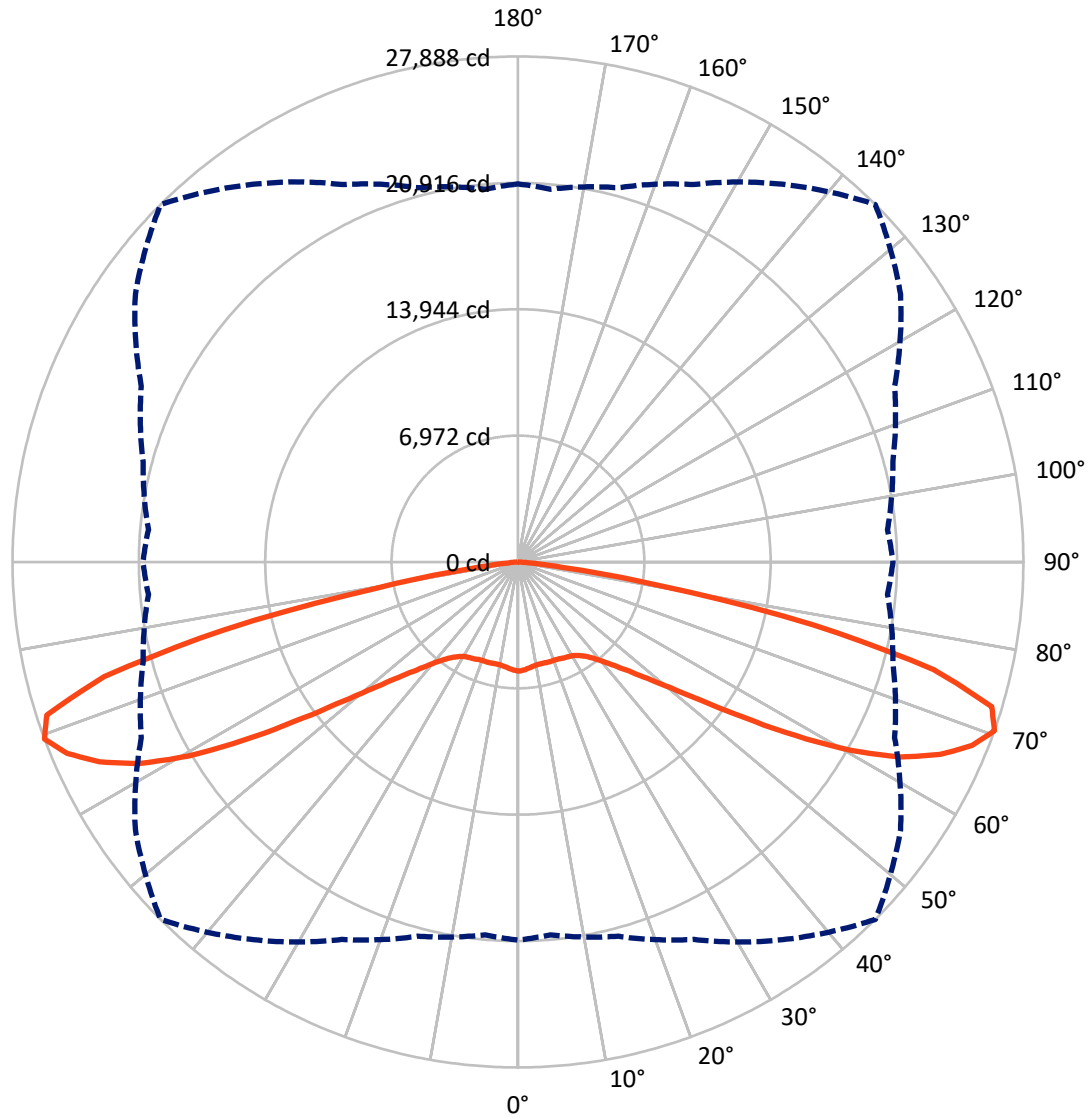
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33018.5	0.0	33018.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33018.5	0.0	33018.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	66037.0	0.0	66037.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.4	0.8
10°-20°	1645.4	2.5
20°-30°	2738.1	4.1
30°-40°	4140.9	6.3
40°-50°	6881.2	10.4
50°-60°	12984.5	19.7
60°-70°	21924.9	33.2
70°-80°	14406.9	21.8
80°-90°	754.8	1.1
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°	66037.0	100.0
0°-180°	66037.0	100.0

Coefficient of Utilization



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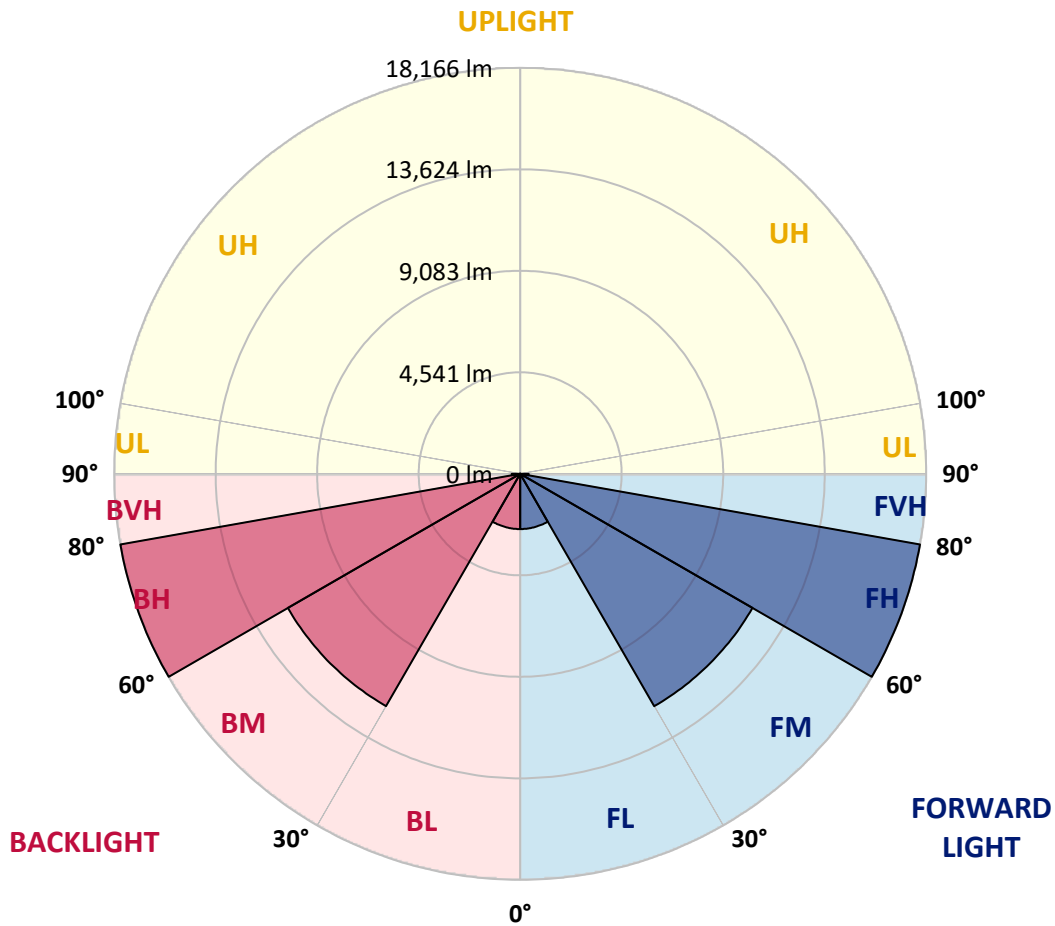
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2471.9	3.7			
FM (30°-60°)	12003.3	18.2			
FH (60°-80°)	18165.9	27.5			G5
FVH (80°-90°)	377.4	0.6			G3/500
BL (0°-30°)	2471.9	3.7	B3/2500		
BM (30°-60°)	12003.3	18.2	B5		
BH (60°-80°)	18165.9	27.5	B5		G5
BVH (80°-90°)	377.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6023.9	6023.9	6023.9	6023.9	6023.9	6023.9	6023.9	6023.9	6023.9	6023.9
2.5°	5986.1	6003.3	5996.4	5982.7	5982.7	5972.4	5982.7	5989.6	5999.9	6006.7
5°	5907.2	5920.9	5917.5	5907.2	5910.6	5900.3	5907.2	5917.5	5924.4	5927.8
7.5°	5838.6	5852.3	5845.4	5828.3	5828.3	5818.0	5821.4	5831.7	5842.0	5845.4
10°	5821.4	5835.1	5814.5	5787.1	5776.8	5763.0	5766.5	5776.8	5797.4	5807.7
12.5°	5828.3	5838.6	5818.0	5776.8	5766.5	5752.7	5752.7	5763.0	5790.5	5804.2
15°	5848.9	5859.1	5828.3	5783.6	5773.3	5763.0	5759.6	5773.3	5804.2	5828.3
17.5°	5886.6	5896.9	5848.9	5787.1	5773.3	5776.8	5773.3	5783.6	5831.7	5876.3
20°	5920.9	5927.8	5862.6	5787.1	5773.3	5776.8	5773.3	5793.9	5855.7	5917.5
22.5°	5931.2	5938.1	5876.3	5811.1	5800.8	5804.2	5800.8	5821.4	5879.7	5941.5
25°	5934.7	5945.0	5896.9	5845.4	5862.6	5869.4	5862.6	5866.0	5910.6	5965.6
27.5°	5986.1	5999.9	5955.3	5910.6	5920.9	5917.5	5927.8	5938.1	5972.4	6027.3
30°	6092.6	6102.8	6065.1	6020.5	6013.6	5989.6	6020.5	6054.8	6092.6	6140.6
32.5°	6267.6	6288.2	6240.1	6192.1	6161.2	6147.5	6171.5	6229.8	6281.3	6332.8
35°	6559.4	6573.1	6528.5	6439.2	6384.3	6384.3	6404.9	6480.4	6562.8	6628.0
37.5°	6971.3	6988.4	6909.5	6803.1	6720.7	6720.7	6748.1	6827.1	6950.7	7043.3
40°	7472.4	7496.4	7396.9	7287.0	7208.1	7194.4	7228.7	7317.9	7434.6	7551.3
42.5°	8076.5	8104.0	7973.5	7877.4	7815.6	7815.6	7832.8	7915.2	8021.6	8165.7
45°	8848.8	8896.8	8718.4	8622.2	8563.9	8577.6	8587.9	8660.0	8756.1	8920.9
47.5°	9768.7	9816.7	9627.9	9528.4	9518.1	9583.3	9542.1	9593.6	9645.1	9833.9
50°	10812.1	10894.5	10764.1	10757.2	10777.8	10897.9	10801.8	10829.3	10770.9	10891.1
52.5°	12089.0	12209.1	12185.1	12226.3	12456.3	12703.4	12483.7	12387.6	12167.9	12205.7
55°	13637.0	13818.9	13853.3	14100.4	14622.1	15126.7	14659.9	14272.0	13805.2	13719.4
57.5°	15397.9	15542.0	15706.8	16211.3	17186.1	18082.0	17186.1	16328.0	15593.5	15418.4
60°	17292.6	17471.0	17628.9	18373.8	19822.2	21081.9	19794.8	18432.1	17460.7	17223.9
62.5°	19328.0	19558.0	19667.8	20495.0	22183.8	23687.2	22207.8	20556.8	19479.0	19225.0
65°	21281.0	21469.8	21593.4	22475.5	24088.8	25595.6	24198.6	22571.6	21462.9	21130.0
67.5°	22190.6	22293.6	22595.6	23594.5	25297.0	27016.6	25585.3	23700.9	22461.8	21878.3
70°	20858.8	20649.5	21377.1	22976.6	25441.1	27888.4	25770.6	22928.6	21411.5	20464.1
72.5°	16118.7	15758.3	17021.4	19757.0	23793.6	27332.4	23958.3	19911.5	17807.4	15885.3
75°	8769.8	8361.4	10105.1	13564.9	18974.4	23690.6	19410.4	13952.8	11251.5	8704.6
77.5°	2474.8	2320.3	3727.6	6562.8	11412.8	16633.5	11852.2	6707.0	4421.0	2622.4
80°	758.6	734.5	995.4	1977.1	4846.6	7966.7	4657.8	2001.1	1266.6	799.8
82.5°	449.6	411.9	494.3	720.8	1235.7	2502.2	1201.3	751.7	604.1	405.0
85°	257.4	240.3	291.8	350.1	415.3	532.0	346.7	357.0	322.6	216.2
87.5°	106.4	96.1	113.3	109.8	96.1	123.6	92.7	109.8	130.4	85.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6023.9
6003.3
5927.8
5845.4
5807.7
5807.7
5831.7
5876.3
5920.9
5941.5
5962.1
6013.6
6130.3
6312.2
6604.0
7009.0
7513.6
8155.4
8914.0
9779.0
10819.0
12078.7
13585.5
15294.9
17018.0
19019.1
20965.2
21885.1
20690.7
16362.4
9271.0
2914.1
844.4
439.4
226.5
78.9
0.0

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