

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: P953104

Luminaire Tested: **GALN-SB6D-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64624 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

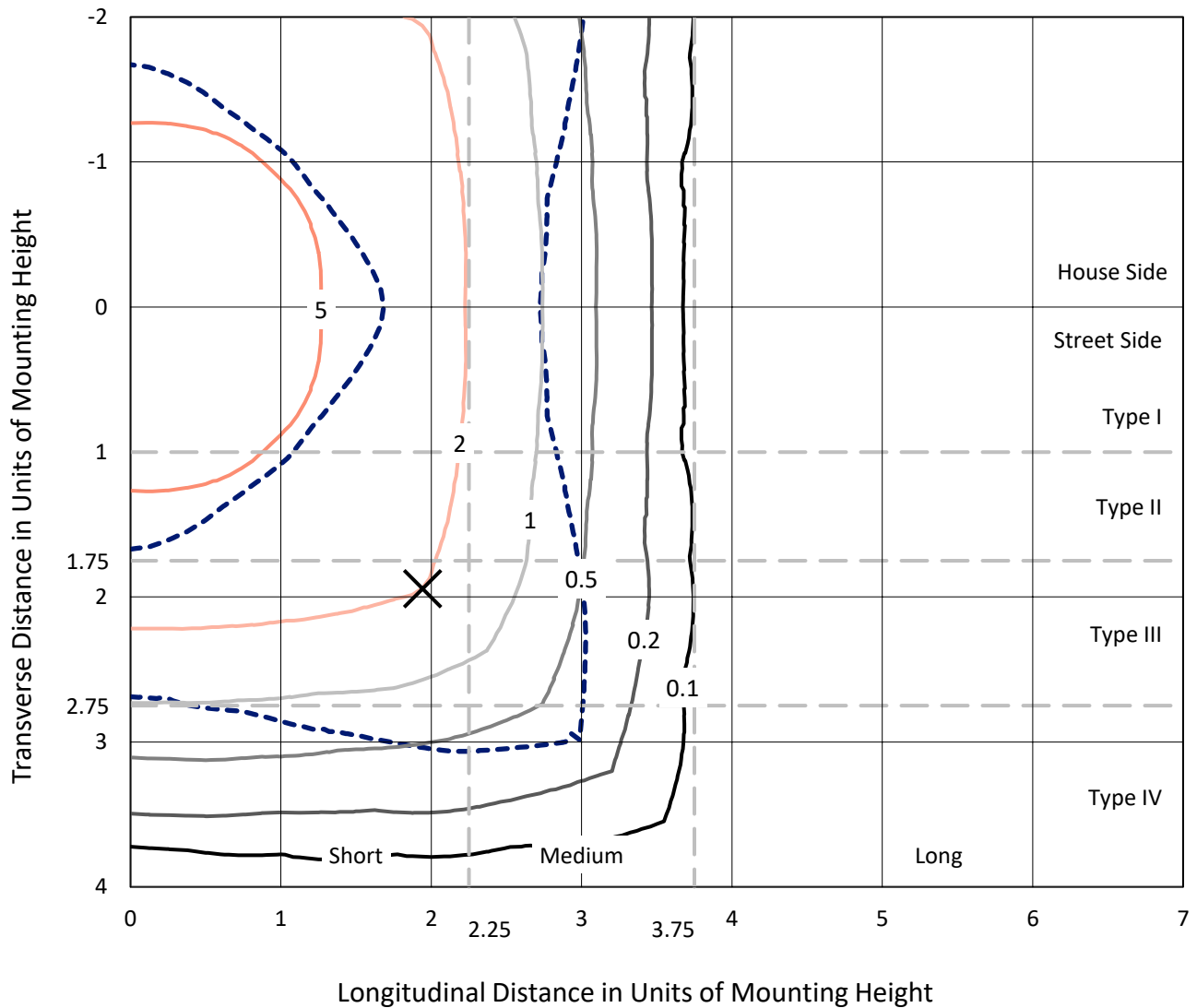
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

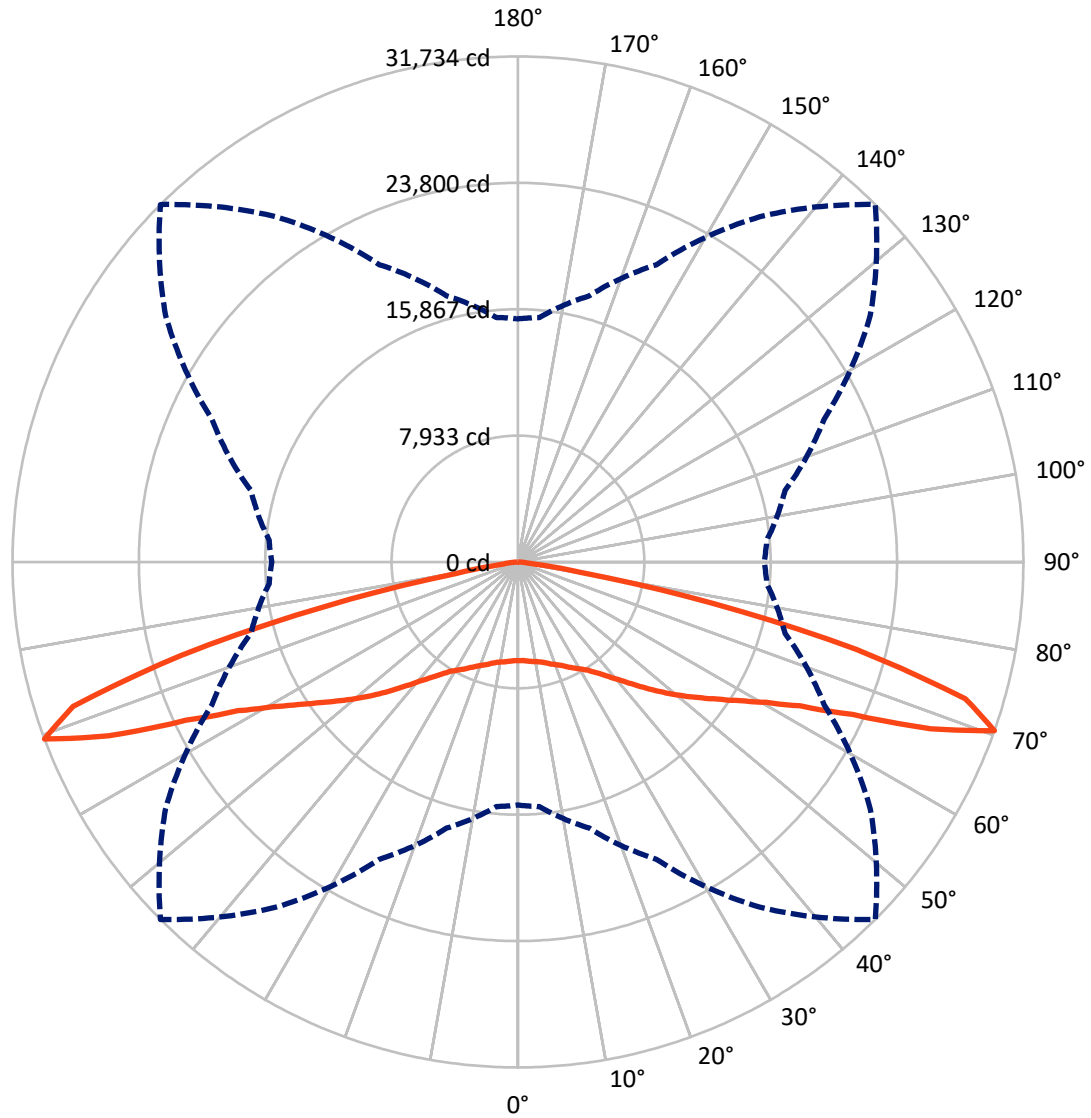
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	32312.0	0.0	32312.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32312.0	0.0	32312.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64624.0	0.0	64624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.4	0.9
10°-20°	1864.8	2.9
20°-30°	3332.7	5.2
30°-40°	5402.2	8.4
40°-50°	8799.4	13.6
50°-60°	13416.0	20.8
60°-70°	19958.8	30.9
70°-80°	10878.2	16.8
80°-90°	370.4	0.6
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°	64624.0	100.0
0°-180°	64624.0	100.0

Coefficient of Utilization



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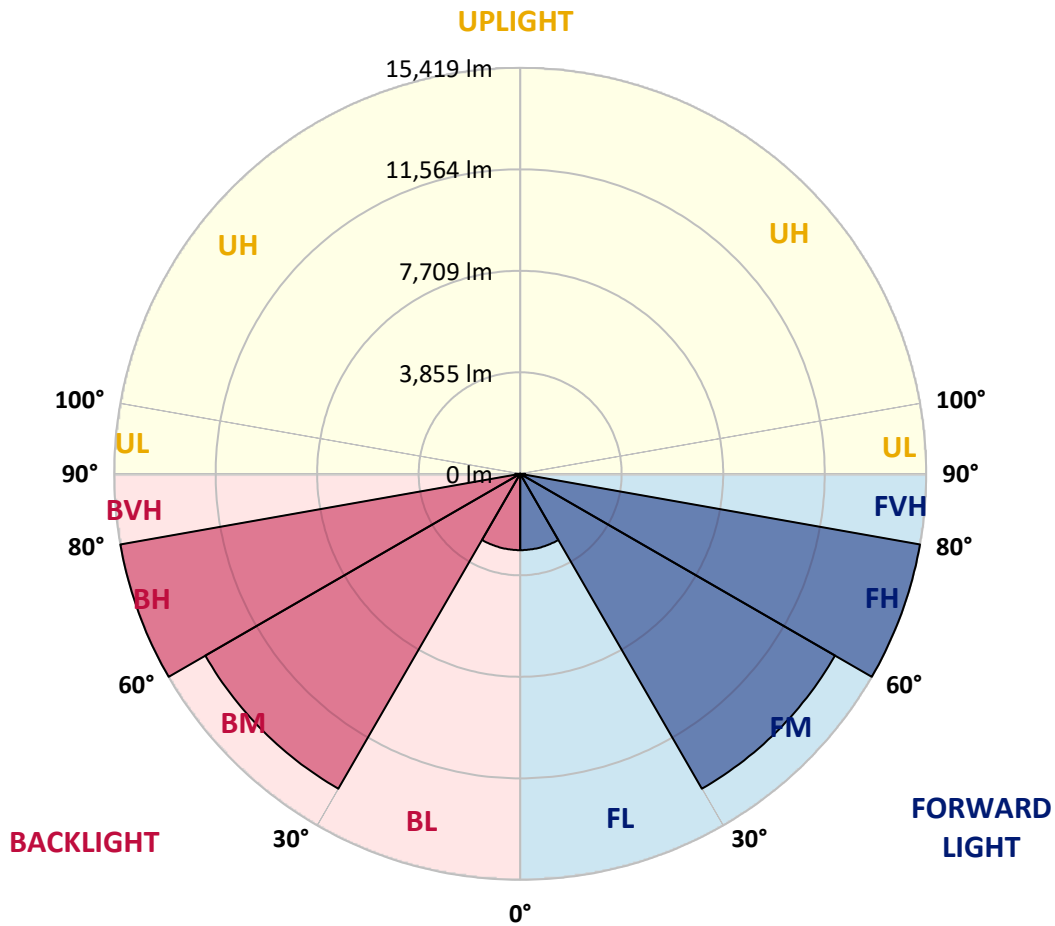
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2899.5	4.5			
FM (30°-60°)	13808.8	21.4			
FH (60°-80°)	15418.5	23.9			G5
FVH (80°-90°)	185.2	0.3			G2/225
BL (0°-30°)	2899.5	4.5	B4/5000		
BM (30°-60°)	13808.8	21.4	B5		
BH (60°-80°)	15418.5	23.9	B5		G5
BVH (80°-90°)	185.2	0.3			G2/225
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°	6190.3	6190.3	6190.3	6190.3	6190.3	6190.3	6190.3	6190.3	6190.3	6190.3
2.5°	6219.5	6226.0	6213.0	6206.5	6200.0	6190.3	6193.6	6209.8	6222.8	6219.5
5°	6271.4	6277.9	6268.2	6264.9	6252.0	6248.7	6248.7	6264.9	6274.7	6268.2
7.5°	6329.8	6339.6	6323.3	6320.1	6313.6	6307.1	6303.9	6320.1	6329.8	6329.8
10°	6385.0	6394.7	6381.7	6372.0	6365.5	6365.5	6359.0	6372.0	6388.2	6385.0
12.5°	6443.4	6449.9	6436.9	6430.4	6430.4	6440.1	6430.4	6436.9	6449.9	6443.4
15°	6514.8	6518.0	6514.8	6524.5	6540.7	6573.1	6543.9	6537.5	6543.9	6527.7
17.5°	6612.1	6618.6	6631.5	6654.3	6677.0	6735.4	6683.5	6667.2	6667.2	6634.8
20°	6732.1	6741.9	6761.3	6800.3	6829.5	6884.6	6832.7	6810.0	6800.3	6758.1
22.5°	6858.7	6874.9	6904.1	6956.0	7007.9	7059.8	7007.9	6969.0	6939.8	6884.6
25°	7004.7	7024.1	7069.5	7153.9	7225.3	7299.9	7238.3	7160.4	7102.0	7024.1
27.5°	7212.3	7235.0	7290.2	7394.0	7484.8	7549.7	7491.3	7390.7	7309.6	7215.5
30°	7504.3	7527.0	7591.9	7702.2	7763.8	7806.0	7767.1	7689.2	7591.9	7484.8
32.5°	7880.6	7909.8	7981.2	8085.0	8098.0	8104.5	8091.5	8052.6	7981.2	7851.4
35°	8357.6	8390.0	8471.1	8555.5	8542.5	8555.5	8536.0	8523.0	8471.1	8321.9
37.5°	8941.6	8980.5	9064.8	9129.7	9097.3	9081.1	9084.3	9087.6	9058.4	8892.9
40°	9619.6	9671.5	9733.2	9801.3	9746.2	9697.5	9729.9	9755.9	9729.9	9561.2
42.5°	10317.2	10391.8	10456.7	10554.0	10508.6	10447.0	10492.4	10521.6	10466.4	10284.7
45°	11092.6	11164.0	11248.3	11394.3	11361.9	11297.0	11361.9	11368.4	11274.3	11060.2
47.5°	11894.0	11968.6	12095.1	12289.8	12276.8	12205.4	12289.8	12244.4	12124.3	11868.0
50°	12653.2	12757.0	12951.6	13224.2	13250.1	13162.5	13276.1	13188.5	12987.3	12666.1
52.5°	13366.9	13477.2	13785.4	14155.3	14249.4	14135.8	14288.3	14135.8	13834.1	13422.1
55°	14116.4	14239.7	14606.3	15089.7	15277.9	15193.5	15336.3	15105.9	14677.7	14178.0
57.5°	14998.8	15073.5	15511.5	16085.7	16403.7	16423.1	16488.0	16098.7	15579.6	15011.8
60°	15955.9	16059.8	16536.7	17224.5	17727.4	17889.6	17821.5	17244.0	16640.5	15988.4
62.5°	17182.3	17295.9	17866.9	18691.0	19485.9	19888.2	19622.1	18785.1	18038.8	17257.0
65°	18197.8	18324.4	19356.1	20825.8	22272.8	23080.6	22412.3	20871.2	19528.0	18424.9
67.5°	17461.3	17617.1	19236.0	21935.4	25533.4	27944.0	25656.7	22266.3	19635.1	18139.4
70°	15261.6	15407.6	17295.9	20595.4	26451.6	31733.5	27003.1	21202.1	17357.5	15683.4
72.5°	10132.3	10602.7	12513.6	16471.8	23619.2	29365.0	23852.8	16137.6	11608.5	10109.5
75°	3361.2	3737.5	5041.8	8539.3	15819.7	21961.3	15060.5	7556.2	3993.9	2874.5
77.5°	846.8	976.6	1346.4	2443.0	6310.4	12503.9	5680.9	1995.3	1086.9	759.2
80°	412.0	454.2	648.9	814.3	1580.0	3974.4	1482.7	765.7	512.6	395.8
82.5°	227.1	230.4	366.6	460.7	587.2	1028.5	609.9	447.7	295.2	240.1
85°	139.5	136.3	194.7	246.6	246.6	366.6	292.0	246.6	168.7	149.2
87.5°	55.2	55.2	71.4	77.9	68.1	94.1	74.6	81.1	64.9	61.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6190.3
6222.8
6271.4
6329.8
6385.0
6440.1
6527.7
6634.8
6758.1
6881.4
7020.9
7212.3
7484.8
7854.7
8321.9
8892.9
9561.2
10297.7
11082.9
11851.8
12659.6
13383.1
14109.9
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