

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: P944690

Luminaire Tested: **GALN-SB9D-735-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944690
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-SB9D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 93754 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

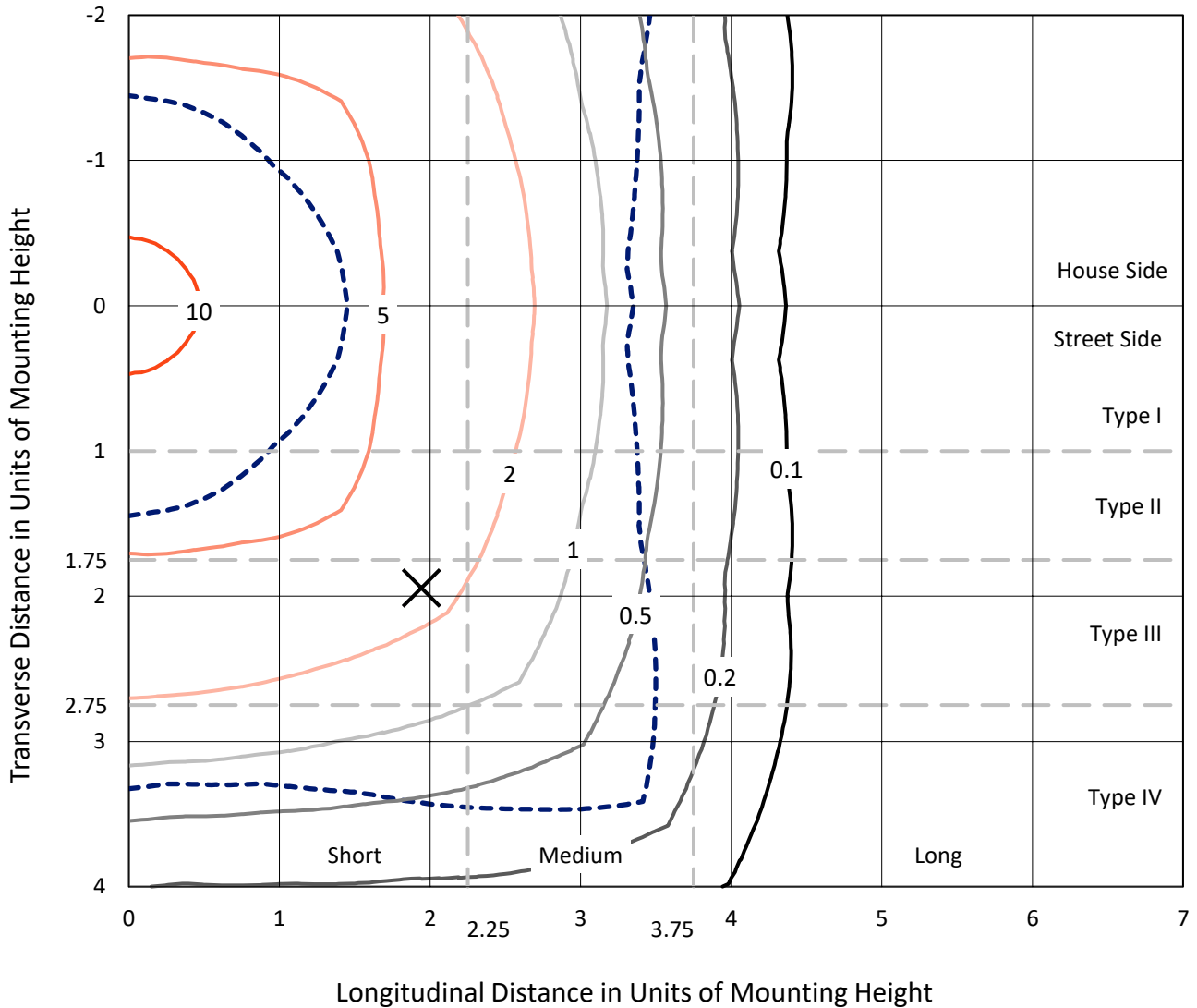
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

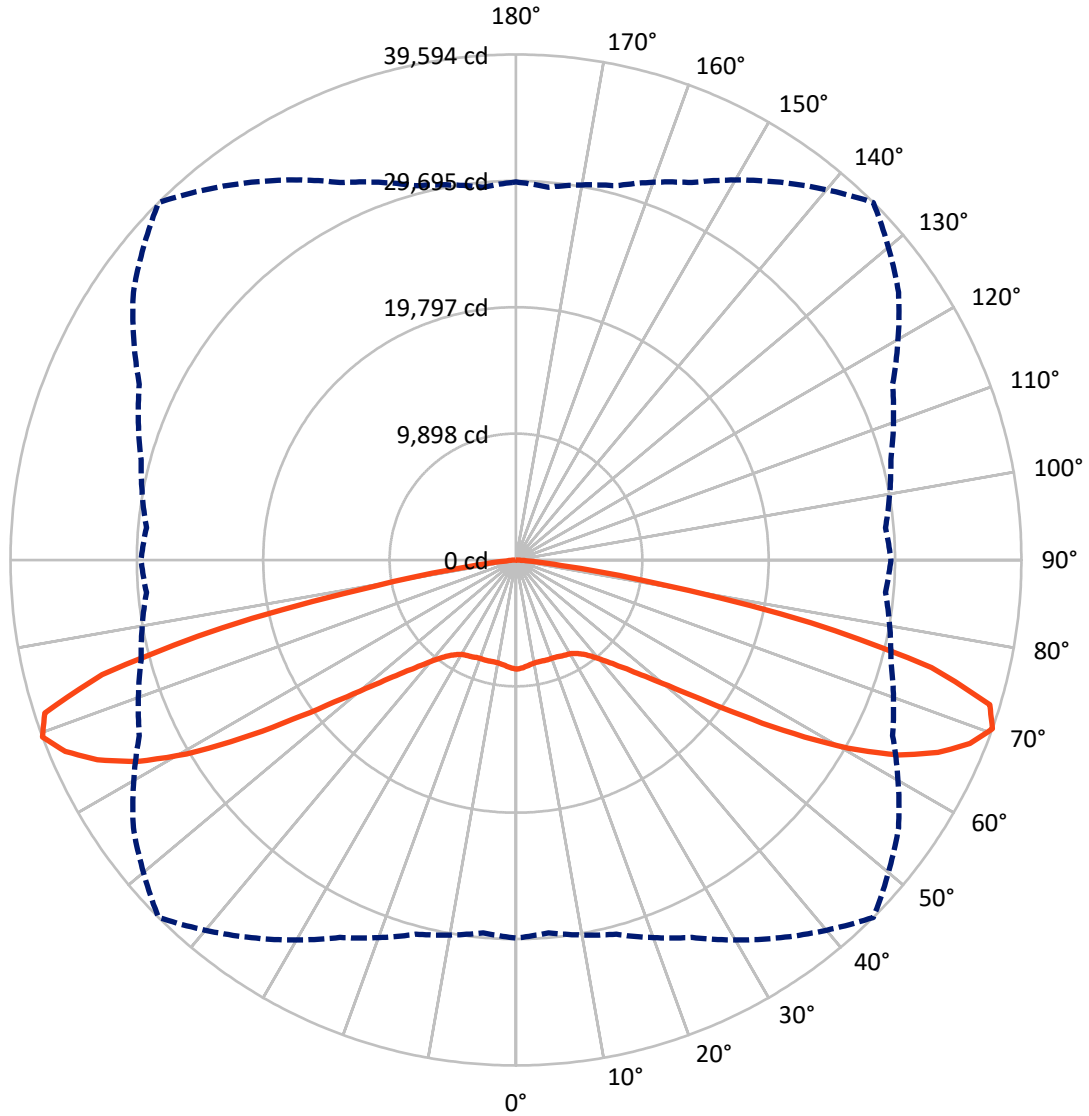
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	46877.0	0.0	46877.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	46877.0	0.0	46877.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	93754.0	0.0	93754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.6	0.8
10°-20°	2336.0	2.5
20°-30°	3887.4	4.1
30°-40°	5878.9	6.3
40°-50°	9769.3	10.4
50°-60°	18434.4	19.7
60°-70°	31127.2	33.2
70°-80°	20453.8	21.8
80°-90°	1071.6	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°	93754.0	100.0
0°-180°	93754.0	100.0

Coefficient of Utilization



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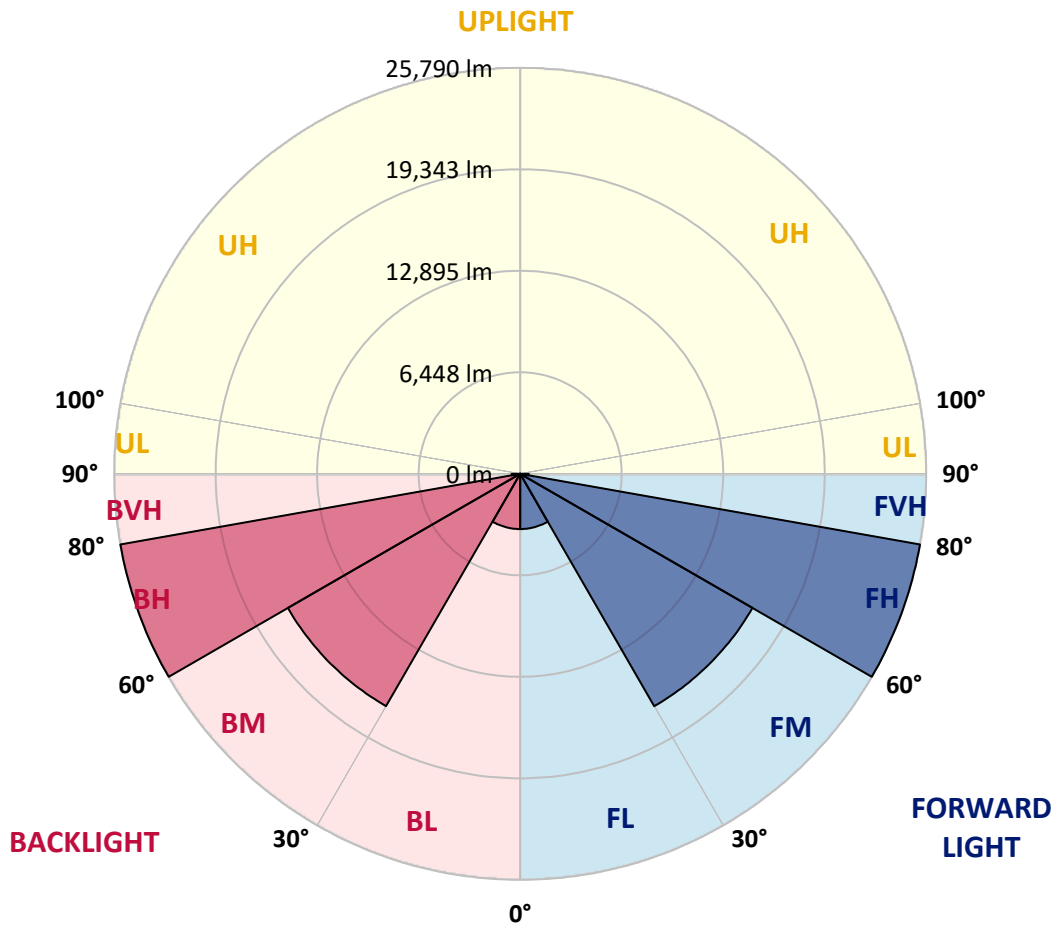
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3509.5	3.7			
FM (30°-60°)	17041.3	18.2			
FH (60°-80°)	25790.5	27.5			G5
FVH (80°-90°)	535.8	0.6			G4/750
BL (0°-30°)	3509.5	3.7	B4/5000		
BM (30°-60°)	17041.3	18.2	B5		
BH (60°-80°)	25790.5	27.5	B5		G5
BVH (80°-90°)	535.8	0.6			G4/750
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°	8552.3	8552.3	8552.3	8552.3	8552.3	8552.3	8552.3	8552.3	8552.3	8552.3
2.5°	8498.6	8523.0	8513.3	8493.8	8493.8	8479.2	8493.8	8503.5	8518.1	8527.9
5°	8386.6	8406.1	8401.2	8386.6	8391.4	8376.8	8386.6	8401.2	8410.9	8415.8
7.5°	8289.1	8308.6	8298.9	8274.5	8274.5	8259.9	8264.7	8279.4	8294.0	8298.9
10°	8264.7	8284.2	8255.0	8216.0	8201.4	8181.9	8186.8	8201.4	8230.6	8245.2
12.5°	8274.5	8289.1	8259.9	8201.4	8186.8	8167.3	8167.3	8181.9	8220.9	8240.4
15°	8303.7	8318.3	8274.5	8211.1	8196.5	8181.9	8177.0	8196.5	8240.4	8274.5
17.5°	8357.3	8371.9	8303.7	8216.0	8196.5	8201.4	8196.5	8211.1	8279.4	8342.7
20°	8406.1	8415.8	8323.2	8216.0	8196.5	8201.4	8196.5	8225.8	8313.5	8401.2
22.5°	8420.7	8430.4	8342.7	8250.1	8235.5	8240.4	8235.5	8264.7	8347.6	8435.3
25°	8425.6	8440.2	8371.9	8298.9	8323.2	8333.0	8323.2	8328.1	8391.4	8469.4
27.5°	8498.6	8518.1	8454.8	8391.4	8406.1	8401.2	8415.8	8430.4	8479.2	8557.1
30°	8649.7	8664.3	8610.7	8547.4	8537.6	8503.5	8547.4	8596.1	8649.7	8717.9
32.5°	8898.2	8927.5	8859.3	8791.0	8747.2	8727.7	8761.8	8844.6	8917.7	8990.8
35°	9312.5	9331.9	9268.6	9141.9	9063.9	9063.9	9093.2	9200.4	9317.3	9409.9
37.5°	9897.2	9921.6	9809.5	9658.4	9541.5	9541.5	9580.5	9692.6	9868.0	9999.6
40°	10608.7	10642.8	10501.5	10345.5	10233.5	10214.0	10262.7	10389.4	10555.1	10720.8
42.5°	11466.4	11505.3	11320.2	11183.7	11096.0	11096.0	11120.4	11237.3	11388.4	11593.1
45°	12562.8	12631.0	12377.6	12241.2	12158.3	12177.8	12192.4	12294.8	12431.2	12665.1
47.5°	13868.8	13937.0	13669.0	13527.7	13513.0	13605.6	13547.2	13620.3	13693.4	13961.4
50°	15350.2	15467.2	15282.0	15272.2	15301.5	15472.0	15335.6	15374.6	15291.7	15462.3
52.5°	17163.0	17333.5	17299.4	17357.9	17684.4	18035.3	17723.4	17586.9	17275.1	17328.7
55°	19360.7	19619.0	19667.7	20018.6	20759.3	21475.7	20812.9	20262.3	19599.5	19477.7
57.5°	21860.6	22065.3	22299.2	23015.5	24399.5	25671.4	24399.5	23181.2	22138.4	21889.9
60°	24550.6	24804.0	25028.1	26085.6	28142.0	29930.4	28103.0	26168.4	24789.3	24453.1
62.5°	27440.3	27766.8	27922.7	29097.2	31494.7	33629.1	31528.8	29184.9	27654.7	27294.1
65°	30213.1	30481.1	30656.5	31908.9	34199.3	36338.5	34355.2	32045.4	30471.4	29998.7
67.5°	31504.5	31650.6	32079.5	33497.5	35914.6	38356.0	36323.9	33648.6	31889.4	31061.0
70°	29613.7	29316.4	30349.5	32620.4	36119.3	39593.8	36587.1	32552.2	30398.3	29053.3
72.5°	22884.0	22372.3	24165.6	28049.4	33780.2	38804.3	34014.1	28268.7	25281.5	22552.6
75°	12450.7	11870.8	14346.3	19258.4	26938.4	33634.0	27557.3	19809.1	15974.0	12358.1
77.5°	3513.5	3294.2	5292.2	9317.3	16203.0	23614.9	16826.7	9522.0	6276.5	3723.0
80°	1077.0	1042.8	1413.2	2806.9	6880.8	11310.4	6612.8	2841.0	1798.2	1135.4
82.5°	638.4	584.8	701.7	1023.3	1754.3	3552.5	1705.6	1067.2	857.7	575.0
85°	365.5	341.1	414.2	497.1	589.6	755.3	492.2	506.8	458.1	307.0
87.5°	151.1	136.4	160.8	155.9	136.4	175.4	131.6	155.9	185.2	121.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8552.3
8523.0
8415.8
8298.9
8245.2
8245.2
8279.4
8342.7
8406.1
8435.3
8464.5
8537.6
8703.3
8961.6
9375.8
9950.8
10667.2
11578.4
12655.4
13883.4
15359.9
17148.4
19287.6
21714.4
24160.7
27001.7
29764.8
31070.7
29374.9
23230.0
13162.2
4137.2
1198.8
623.8
321.6
112.1
0.0

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