

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: P942653

Luminaire Tested: **GALN-SB6D-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61046 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

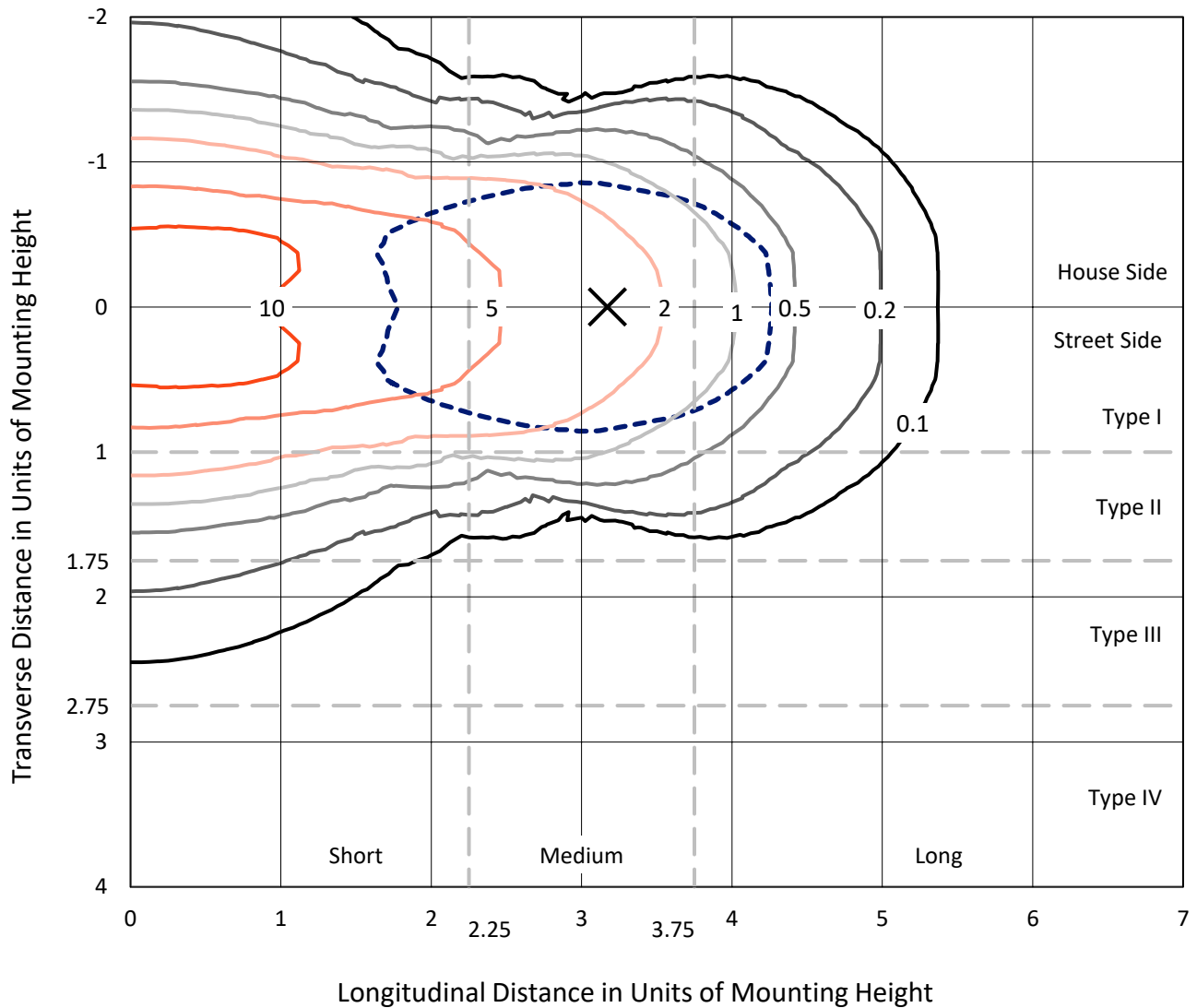
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

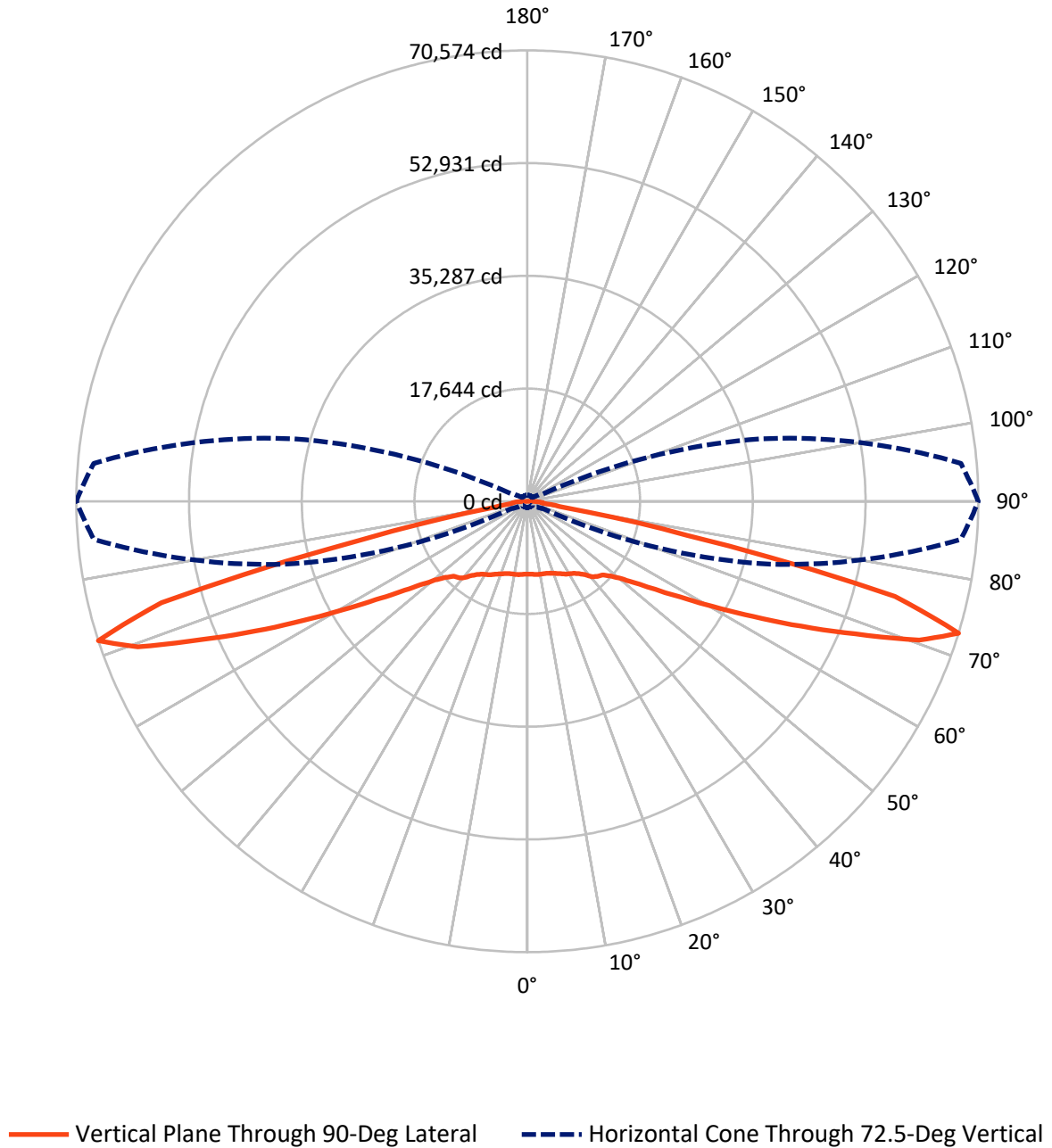
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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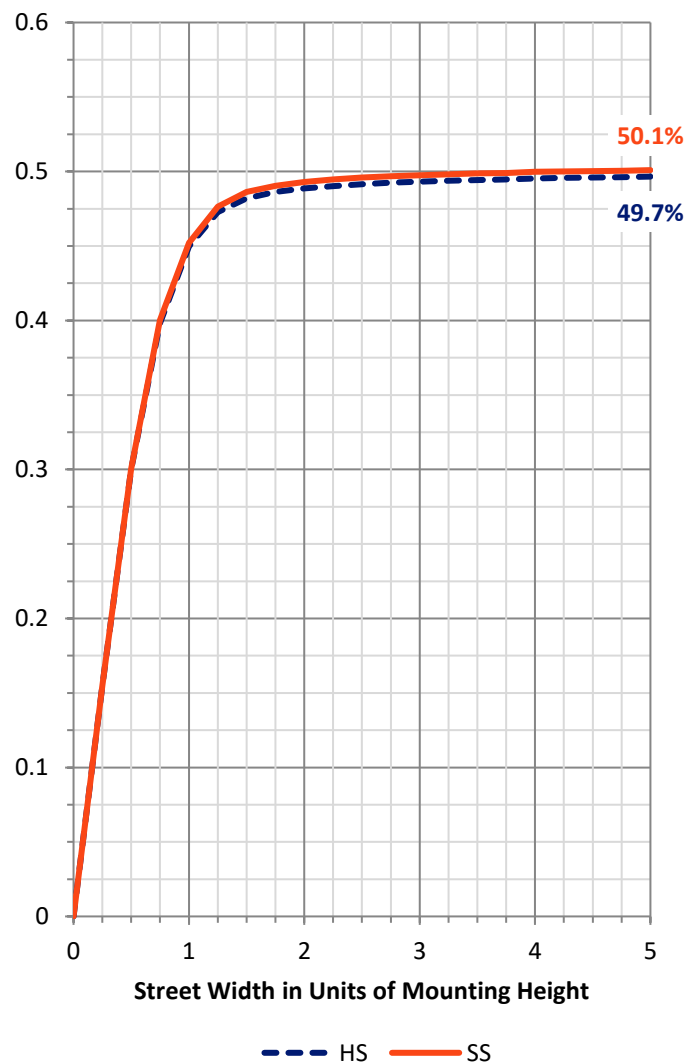
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30523.0	0.0	30523.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30523.0	0.0	30523.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	61046.0	0.0	61046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1106.1	1.8
10°-20°	3381.9	5.5
20°-30°	5639.0	9.2
30°-40°	7755.3	12.7
40°-50°	9471.4	15.5
50°-60°	10954.7	17.9
60°-70°	13061.6	21.4
70°-80°	9116.2	14.9
80°-90°	559.9	0.9
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°	61046.0	100.0
0°-180°	61046.0	100.0

Coefficient of Utilization



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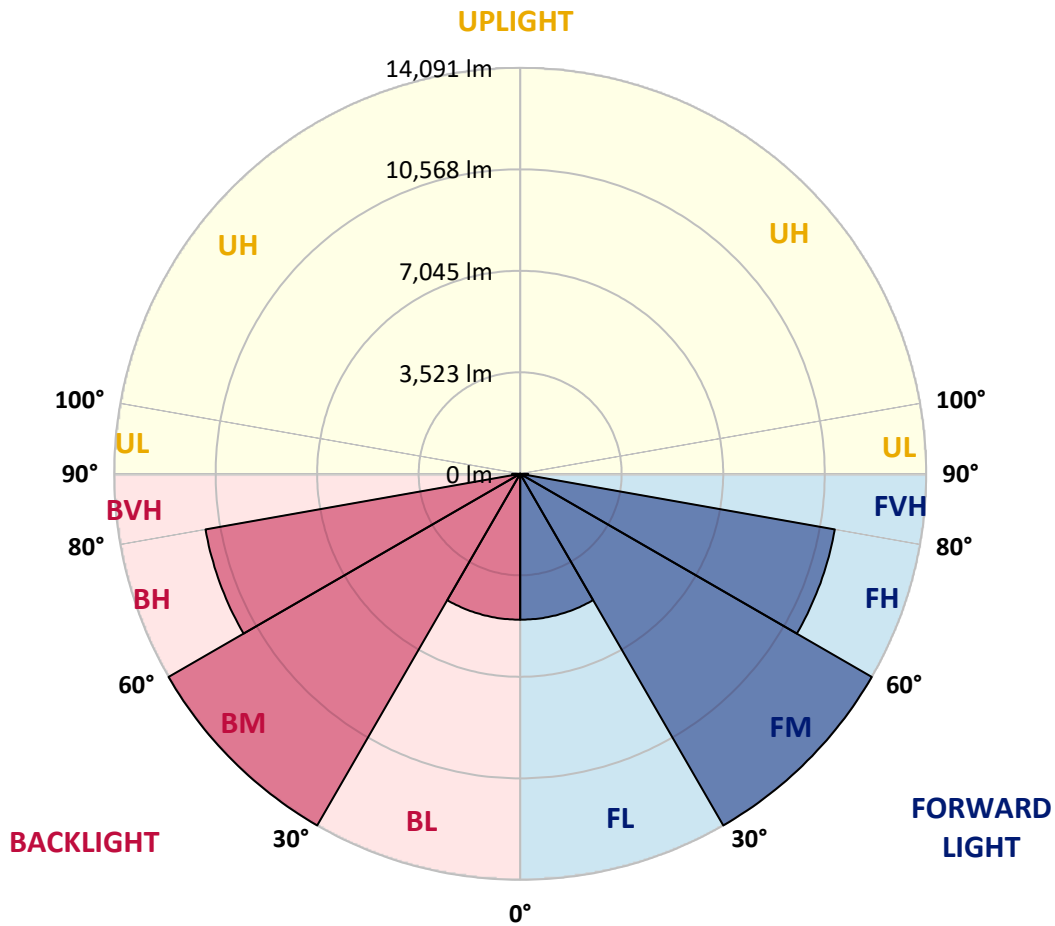
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5063.5	8.3			
FM (30°-60°)	14090.7	23.1			
FH (60°-80°)	11088.9	18.2			G4/12000
FVH (80°-90°)	280.0	0.5			G3/500
BL (0°-30°)	5063.5	8.3	B5		
BM (30°-60°)	14090.7	23.1	B5		
BH (60°-80°)	11088.9	18.2	B5		G5
BVH (80°-90°)	280.0	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11407.1	11407.1	11407.1	11407.1	11407.1	11407.1	11407.1	11407.1	11407.1	11407.1
2.5°	11416.8	11429.8	11429.8	11420.1	11442.8	11423.3	11423.3	11413.6	11423.3	11413.6
5°	11475.2	11491.4	11497.9	11494.7	11523.9	11507.7	11507.7	11494.7	11497.9	11488.2
7.5°	11585.5	11608.2	11621.2	11637.4	11679.6	11660.1	11647.2	11608.2	11592.0	11566.1
10°	11621.2	11647.2	11689.3	11773.7	11871.0	11874.3	11835.3	11738.0	11663.4	11605.0
12.5°	11510.9	11546.6	11634.2	11806.1	12023.5	12111.1	12049.5	11887.3	11741.3	11637.4
15°	11371.4	11410.3	11543.4	11802.9	12124.1	12328.5	12322.0	12107.9	11874.3	11712.1
17.5°	11154.0	11193.0	11384.4	11747.7	12202.0	12539.4	12630.2	12409.6	12081.9	11864.5
20°	10761.5	10797.2	11063.2	11572.6	12227.9	12763.2	13000.1	12805.4	12396.6	12101.4
22.5°	10252.1	10307.3	10618.7	11270.8	12166.3	12996.8	13421.8	13288.8	12763.2	12354.4
25°	9707.1	9765.5	10128.8	10901.0	12007.3	13165.5	13921.5	13837.1	13178.5	12669.1
27.5°	9236.6	9298.3	9694.1	10534.4	11760.7	13230.4	14414.6	14456.8	13681.4	13016.3
30°	8866.8	8925.2	9346.9	10239.1	11442.8	13165.5	14846.1	15138.1	14194.0	13318.0
32.5°	8461.2	8535.9	8980.3	9879.0	11066.4	13009.8	15222.4	15874.5	14787.7	13642.4
35°	7948.6	8016.8	8483.9	9385.9	10573.3	12760.0	15537.1	16692.1	15637.7	14135.6
37.5°	7325.7	7390.6	7854.5	8769.4	10083.4	12409.6	15777.2	17613.5	16649.9	14846.1
40°	6699.6	6761.2	7195.9	8081.6	9496.2	11961.9	15861.6	18515.4	17811.4	15822.6
42.5°	6125.3	6180.5	6579.5	7403.6	8837.6	11390.9	15751.3	19300.6	18852.8	16503.9
45°	5596.5	5645.1	5998.8	6767.7	8153.0	10696.6	15420.3	20144.1	20092.2	16990.6
47.5°	4993.0	5041.7	5408.3	6151.3	7468.5	9882.3	14859.1	20974.6	21814.9	18093.7
50°	4256.6	4298.7	4675.1	5440.8	6758.0	9016.0	14080.4	21626.8	23988.6	19764.5
52.5°	3383.8	3429.3	3795.9	4561.5	5914.4	8084.9	13055.2	22051.8	26499.7	22204.2
55°	2517.6	2550.0	2868.0	3555.8	4869.8	7024.0	11770.5	22171.8	29348.3	25539.4
57.5°	1826.6	1846.0	2050.4	2563.0	3692.1	5697.1	10209.9	21860.3	32738.6	29815.5
60°	1479.4	1485.9	1547.5	1774.7	2566.3	4198.2	8325.0	20789.7	36417.7	35327.6
62.5°	1343.2	1343.2	1359.4	1421.0	1735.7	2770.7	6044.2	18570.6	40362.8	42293.2
65°	1249.1	1249.1	1255.6	1284.8	1369.1	1764.9	3815.3	14956.4	43688.2	50452.7
67.5°	1164.7	1168.0	1164.7	1174.5	1223.1	1304.2	2212.6	10330.0	45479.1	58907.4
70°	1077.1	1083.6	1067.4	1067.4	1106.3	1109.6	1385.3	5664.6	43993.2	65993.1
72.5°	973.3	983.0	957.1	950.6	979.8	966.8	1041.4	2718.8	37770.6	68108.4
75°	882.5	895.4	837.0	820.8	820.8	811.1	846.8	1395.1	24514.2	55559.3
77.5°	801.4	827.3	733.2	681.3	668.3	639.1	691.0	853.3	10722.5	26084.5
80°	661.8	697.5	603.4	541.8	519.1	486.7	545.0	597.0	3189.2	6057.2
82.5°	493.1	509.4	428.3	386.1	366.6	343.9	408.8	415.3	1038.2	2144.5
85°	314.7	321.2	262.8	227.1	217.4	207.6	259.5	227.1	395.8	1576.7
87.5°	110.3	126.5	100.6	90.8	97.3	81.1	120.0	68.1	110.3	1112.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11407.1
11413.6
11488.2
11566.1
11595.3
11621.2
11686.1
11828.9
12046.2
12279.8
12565.3
12906.0
13159.0
13441.3
13911.7
14547.6
15504.7
16095.2
16439.1
17457.8
18966.4
21221.2
24309.8
28267.9
33377.7
39681.5
47150.0
55341.9
65055.4
70574.1
59426.5
25542.7
5800.9
2423.5
2290.5
1378.8
0.0

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