

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: P942823

Luminaire Tested: **GALN-SB7A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942823
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-SB7A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31559 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

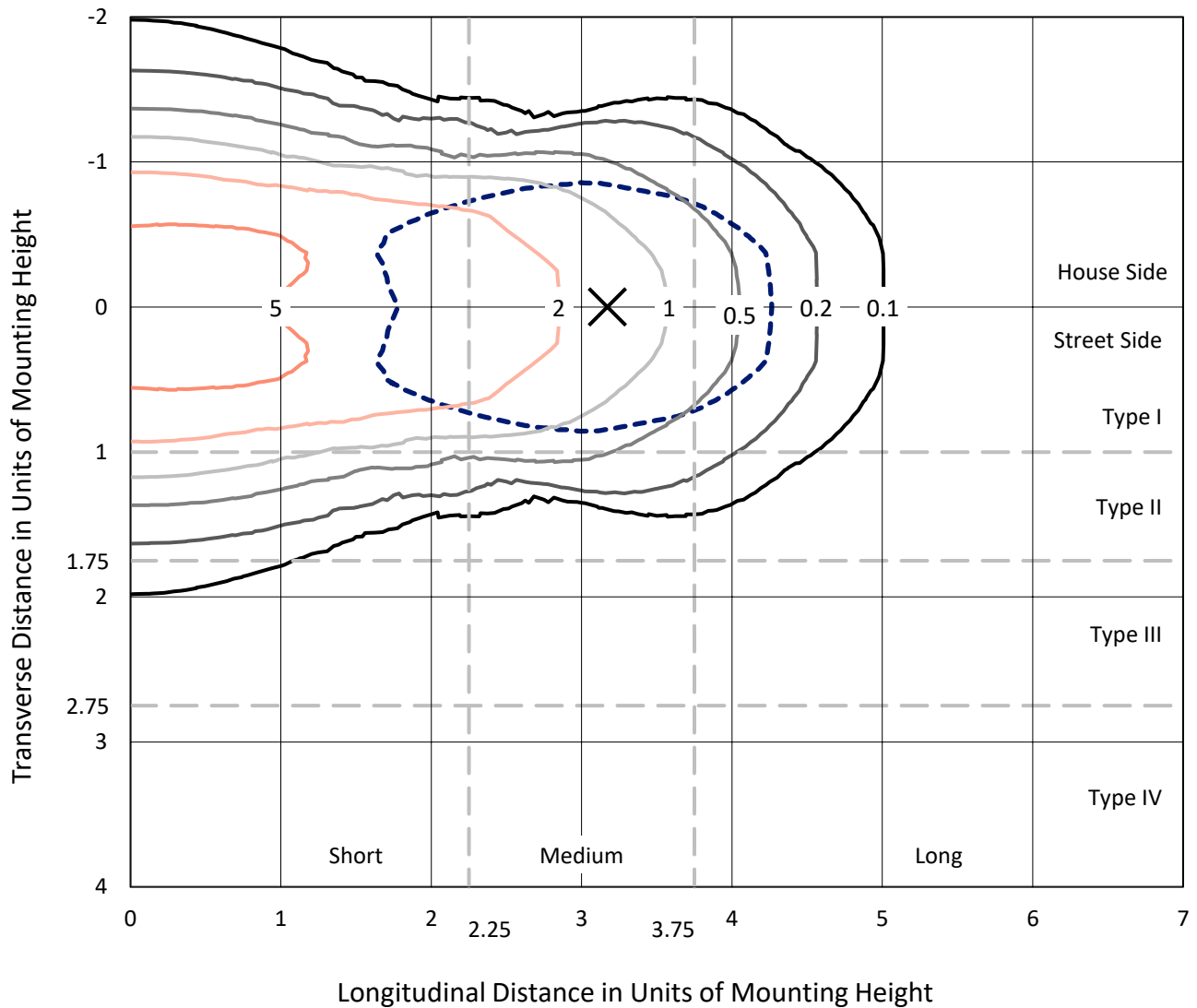
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

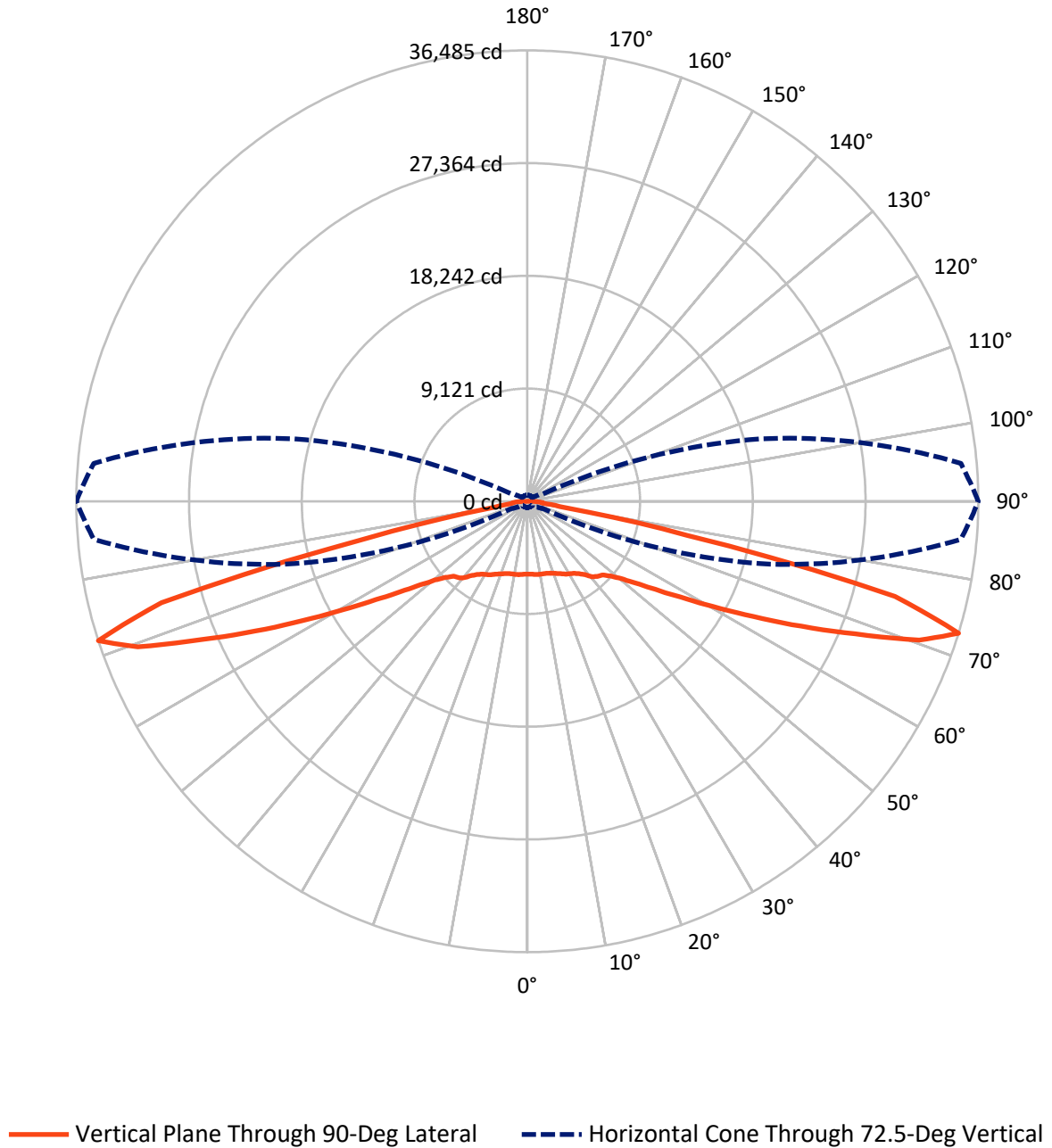
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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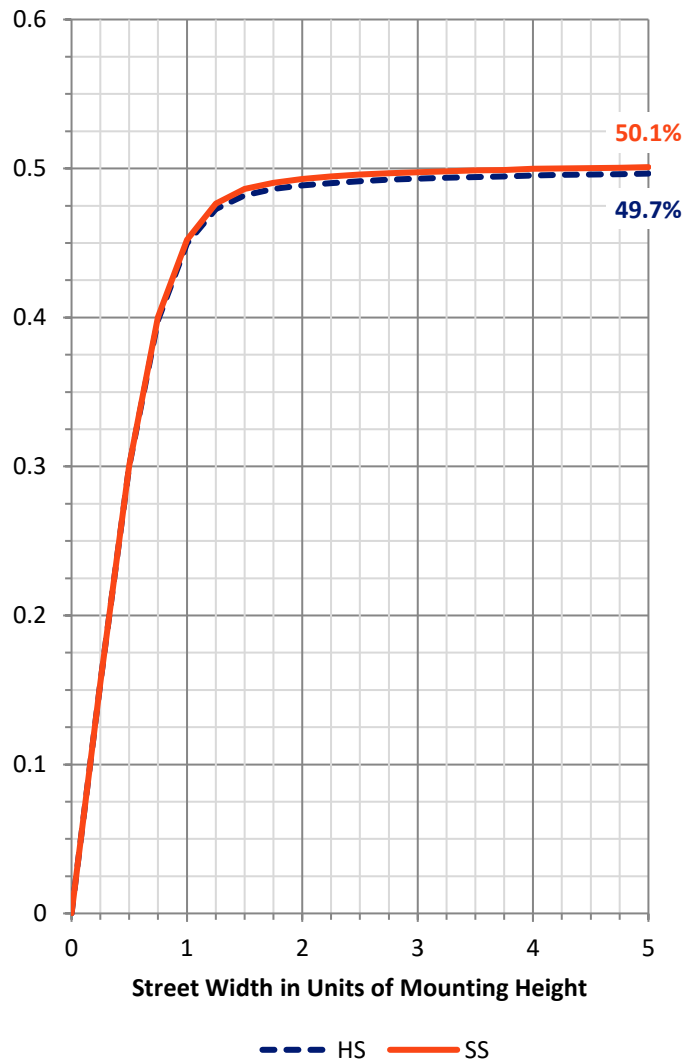
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15779.5	0.0	15779.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15779.5	0.0	15779.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31559.0	0.0	31559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.8	1.8
10°-20°	1748.3	5.5
20°-30°	2915.2	9.2
30°-40°	4009.3	12.7
40°-50°	4896.4	15.5
50°-60°	5663.2	17.9
60°-70°	6752.5	21.4
70°-80°	4712.8	14.9
80°-90°	289.5	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°	31559.0	100.0
0°-180°	31559.0	100.0

Coefficient of Utilization



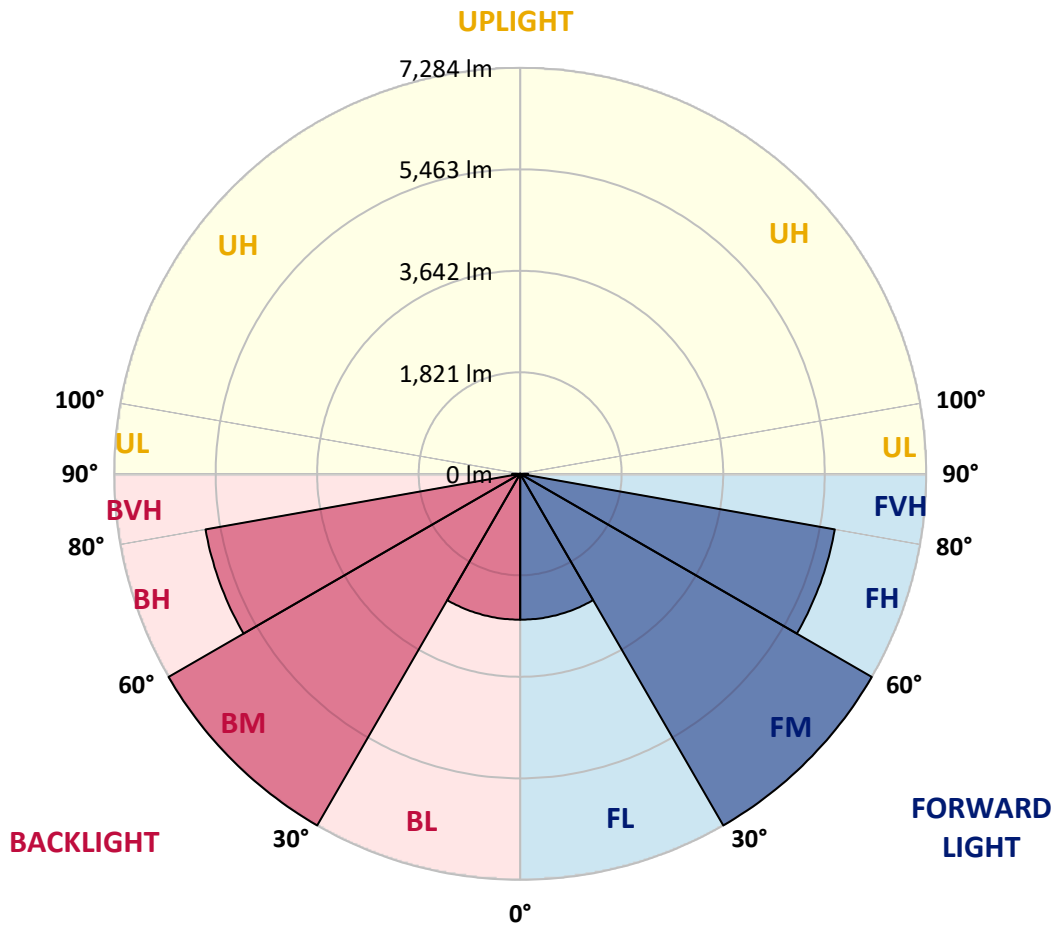
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2617.7	8.3			
FM (30°-60°)	7284.5	23.1			
FH (60°-80°)	5732.6	18.2			G3/7500
FVH (80°-90°)	144.7	0.5			G2/225
BL (0°-30°)	2617.7	8.3	B4/5000		
BM (30°-60°)	7284.5	23.1	B4/8500		
BH (60°-80°)	5732.6	18.2	B5		G5
BVH (80°-90°)	144.7	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5897.1	5897.1	5897.1	5897.1	5897.1	5897.1	5897.1	5897.1	5897.1	5897.1
2.5°	5902.2	5908.9	5908.9	5903.8	5915.6	5905.5	5905.5	5900.5	5905.5	5900.5
5°	5932.4	5940.7	5944.1	5942.4	5957.5	5949.1	5949.1	5942.4	5944.1	5939.1
7.5°	5989.4	6001.1	6007.8	6016.2	6038.0	6028.0	6021.2	6001.1	5992.7	5979.3
10°	6007.8	6021.2	6043.1	6086.7	6137.0	6138.7	6118.5	6068.2	6029.6	5999.4
12.5°	5950.8	5969.3	6014.5	6103.4	6215.8	6261.1	6229.2	6145.4	6069.9	6016.2
15°	5878.7	5898.8	5967.6	6101.8	6267.8	6373.5	6370.1	6259.4	6138.7	6054.8
17.5°	5766.3	5786.4	5885.4	6073.2	6308.1	6482.5	6529.4	6415.4	6246.0	6133.6
20°	5563.4	5581.8	5719.3	5982.7	6321.5	6598.2	6720.7	6620.0	6408.7	6256.1
22.5°	5300.0	5328.6	5489.6	5826.7	6289.6	6719.0	6938.7	6869.9	6598.2	6386.9
25°	5018.3	5048.5	5236.3	5635.5	6207.4	6806.2	7197.0	7153.4	6812.9	6549.6
27.5°	4775.1	4806.9	5011.6	5446.0	6080.0	6839.7	7451.9	7473.7	7072.9	6729.0
30°	4583.9	4614.1	4832.1	5293.3	5915.6	6806.2	7675.0	7825.9	7337.9	6885.0
32.5°	4374.2	4412.8	4642.6	5107.2	5721.0	6725.7	7869.6	8206.7	7644.8	7052.7
35°	4109.2	4144.4	4386.0	4852.2	5466.1	6596.5	8032.2	8629.3	8084.2	7307.7
37.5°	3787.2	3820.7	4060.6	4533.5	5212.8	6415.4	8156.4	9105.7	8607.5	7675.0
40°	3463.5	3495.3	3720.1	4178.0	4909.2	6183.9	8200.0	9571.9	9208.0	8179.8
42.5°	3166.6	3195.1	3401.4	3827.4	4568.8	5888.7	8142.9	9977.8	9746.4	8532.1
45°	2893.2	2918.4	3101.2	3498.7	4214.9	5529.8	7971.9	10413.9	10387.1	8783.6
47.5°	2581.3	2606.4	2795.9	3180.0	3861.0	5108.8	7681.7	10843.3	11277.7	9353.9
50°	2200.5	2222.3	2416.9	2812.7	3493.7	4661.0	7279.2	11180.4	12401.4	10217.7
52.5°	1749.3	1772.8	1962.4	2358.2	3057.6	4179.7	6749.2	11400.1	13699.6	11478.9
55°	1301.5	1318.3	1482.7	1838.2	2517.5	3631.2	6085.0	11462.2	15172.2	13203.1
57.5°	944.3	954.3	1060.0	1325.0	1908.7	2945.2	5278.2	11301.2	16924.9	15413.7
60°	764.8	768.2	800.0	917.4	1326.7	2170.3	4303.8	10747.7	18826.9	18263.3
62.5°	694.4	694.4	702.8	734.6	897.3	1432.4	3124.7	9600.5	20866.4	21864.3
65°	645.7	645.7	649.1	664.2	707.8	912.4	1972.4	7732.0	22585.5	26082.6
67.5°	602.1	603.8	602.1	607.2	632.3	674.2	1143.9	5340.3	23511.4	30453.4
70°	556.8	560.2	551.8	551.8	571.9	573.6	716.2	2928.4	22743.2	34116.5
72.5°	503.2	508.2	494.8	491.4	506.5	499.8	538.4	1405.5	19526.3	35210.0
75°	456.2	462.9	432.7	424.3	424.3	419.3	437.8	721.2	12673.1	28722.5
77.5°	414.3	427.7	379.1	352.2	345.5	330.4	357.2	441.1	5543.2	13484.9
80°	342.2	360.6	312.0	280.1	268.4	251.6	281.8	308.6	1648.7	3131.4
82.5°	254.9	263.3	221.4	199.6	189.5	177.8	211.3	214.7	536.7	1108.6
85°	162.7	166.0	135.9	117.4	112.4	107.3	134.2	117.4	204.6	815.1
87.5°	57.0	65.4	52.0	47.0	50.3	41.9	62.1	35.2	57.0	575.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5897.1
5900.5
5939.1
5979.3
5994.4
6007.8
6041.4
6115.2
6227.5
6348.3
6495.9
6672.0
6802.8
6948.8
7192.0
7520.7
8015.5
8320.7
8498.5
9025.2
9805.1
10970.7
12567.5
14613.7
17255.3
20514.2
24375.1
28610.1
33631.8
36484.7
30721.8
13204.8
2998.9
1252.9
1184.1
712.8
0.0

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