

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: P941863

Luminaire Tested: **GALN-SB5C-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941863
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-SB5C-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34713 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

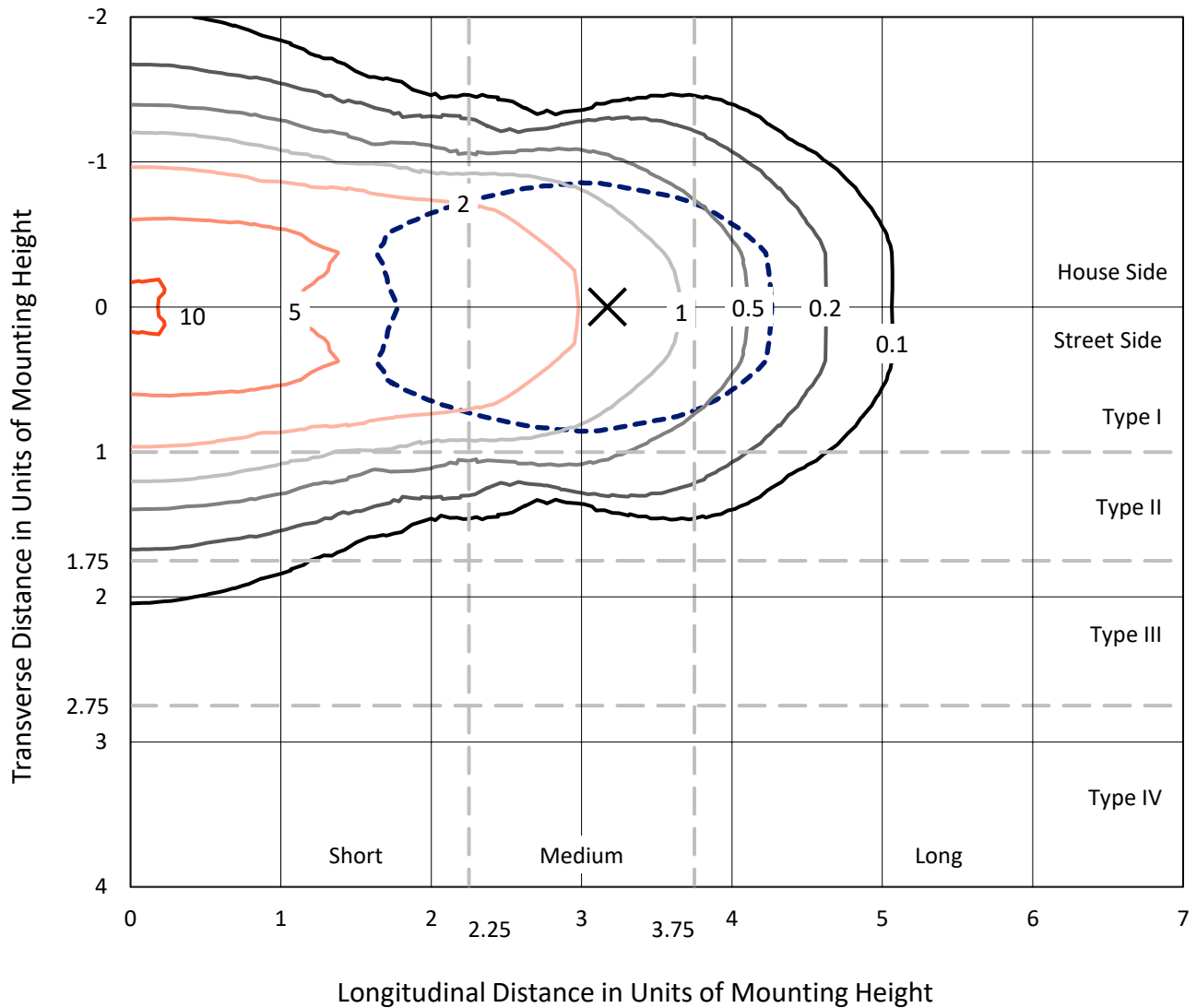
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

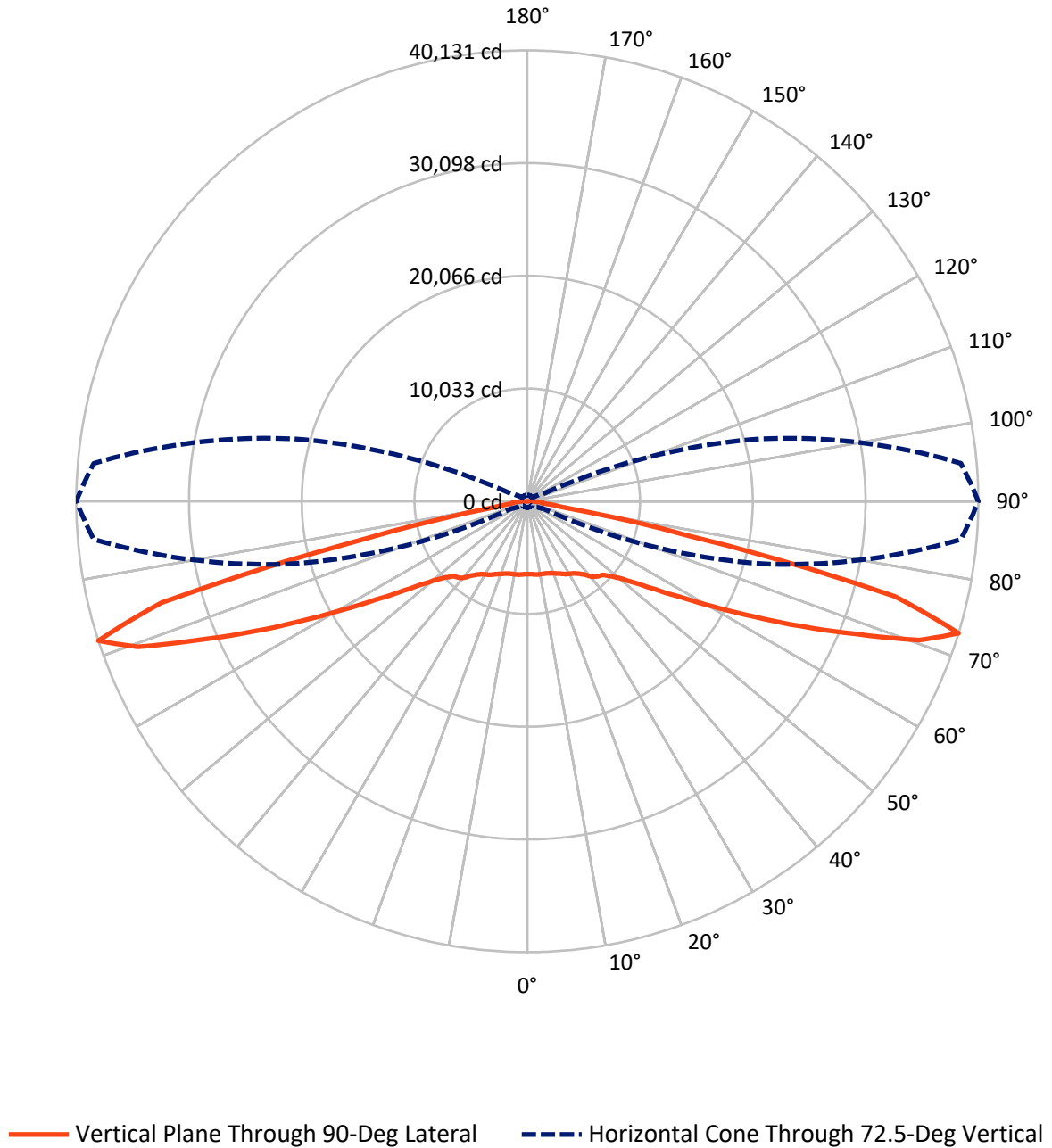
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	17356.5	0.0	17356.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17356.5	0.0	17356.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34713.0	0.0	34713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.9	1.8
10°-20°	1923.1	5.5
20°-30°	3206.5	9.2
30°-40°	4410.0	12.7
40°-50°	5385.8	15.5
50°-60°	6229.2	17.9
60°-70°	7427.3	21.4
70°-80°	5183.8	14.9
80°-90°	318.4	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°	34713.0	100.0
0°-180°	34713.0	100.0

Coefficient of Utilization



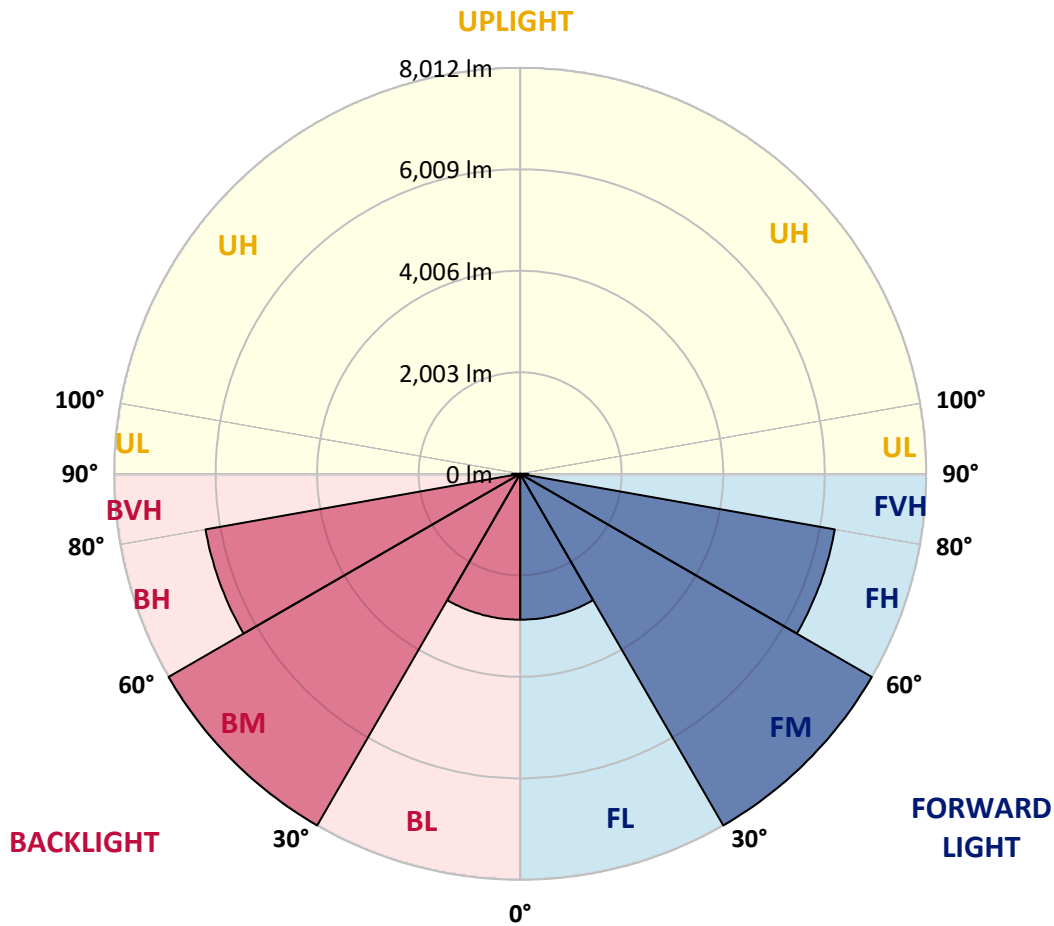
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2879.3	8.3			
FM (30°-60°)	8012.5	23.1			
FH (60°-80°)	6305.6	18.2			G3/7500
FVH (80°-90°)	159.2	0.5			G2/225
BL (0°-30°)	2879.3	8.3	B4/5000		
BM (30°-60°)	8012.5	23.1	B4/8500		
BH (60°-80°)	6305.6	18.2	B5		G5
BVH (80°-90°)	159.2	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°	6486.5	6486.5	6486.5	6486.5	6486.5	6486.5	6486.5	6486.5	6486.5	6486.5
2.5°	6492.0	6499.4	6499.4	6493.9	6506.8	6495.7	6495.7	6490.2	6495.7	6490.2
5°	6525.2	6534.5	6538.1	6536.3	6552.9	6543.7	6543.7	6536.3	6538.1	6532.6
7.5°	6588.0	6600.9	6608.3	6617.5	6641.5	6630.4	6623.0	6600.9	6591.6	6576.9
10°	6608.3	6623.0	6647.0	6695.0	6750.3	6752.1	6730.0	6674.7	6632.2	6599.0
12.5°	6545.5	6565.8	6615.6	6713.4	6837.0	6886.8	6851.8	6759.5	6676.5	6617.5
15°	6466.2	6488.3	6564.0	6711.6	6894.2	7010.4	7006.7	6885.0	6752.1	6659.9
17.5°	6342.6	6364.7	6473.6	6680.2	6938.5	7130.3	7182.0	7056.5	6870.2	6746.6
20°	6119.4	6139.7	6290.9	6580.6	6953.2	7257.6	7392.3	7281.6	7049.2	6881.3
22.5°	5829.7	5861.1	6038.2	6409.0	6918.2	7390.5	7632.1	7556.5	7257.6	7025.2
25°	5519.8	5553.0	5759.6	6198.7	6827.8	7486.4	7916.2	7868.3	7493.8	7204.1
27.5°	5252.3	5287.3	5512.4	5990.2	6687.6	7523.3	8196.7	8220.6	7779.7	7401.5
30°	5042.0	5075.2	5315.0	5822.3	6506.8	7486.4	8442.0	8608.1	8071.2	7573.1
32.5°	4811.4	4853.8	5106.5	5617.6	6292.8	7397.8	8656.0	9026.8	8408.8	7757.6
35°	4519.9	4558.6	4824.3	5337.1	6012.4	7255.8	8835.0	9491.8	8892.2	8038.0
37.5°	4165.7	4202.6	4466.4	4986.6	5733.8	7056.5	8971.5	10015.7	9467.8	8442.0
40°	3809.6	3844.7	4091.9	4595.5	5399.9	6802.0	9019.5	10528.6	10128.2	8997.3
42.5°	3483.1	3514.4	3741.4	4209.9	5025.4	6477.3	8956.7	10975.0	10720.4	9384.7
45°	3182.4	3210.0	3411.1	3848.4	4636.1	6082.5	8768.6	11454.7	11425.2	9661.5
47.5°	2839.2	2866.9	3075.4	3497.8	4246.8	5619.4	8449.4	11927.0	12404.8	10288.7
50°	2420.4	2444.4	2658.4	3093.8	3842.8	5126.8	8006.6	12297.8	13640.8	11238.8
52.5°	1924.2	1950.0	2158.5	2593.9	3363.2	4597.4	7423.7	12539.4	15068.7	12626.1
55°	1431.6	1450.1	1630.8	2022.0	2769.1	3994.1	6693.1	12607.7	16688.5	14522.7
57.5°	1038.7	1049.7	1165.9	1457.4	2099.4	3239.6	5805.7	12430.6	18616.4	16954.2
60°	841.3	844.9	880.0	1009.1	1459.3	2387.2	4733.9	11821.8	20708.4	20088.6
62.5°	763.8	763.8	773.0	808.0	987.0	1575.5	3437.0	10559.9	22951.8	24049.5
65°	710.3	710.3	714.0	730.6	778.5	1003.6	2169.5	8504.8	24842.7	28689.3
67.5°	662.3	664.1	662.3	667.8	695.5	741.6	1258.2	5874.0	25861.1	33496.9
70°	612.5	616.2	607.0	607.0	629.1	630.9	787.8	3221.1	25016.2	37526.1
72.5°	553.5	559.0	544.2	540.5	557.1	549.8	592.2	1546.0	21477.7	38728.9
75°	501.8	509.2	476.0	466.7	466.7	461.2	481.5	793.3	13939.7	31593.0
77.5°	455.7	470.4	416.9	387.4	380.0	363.4	393.0	485.2	6097.2	14832.6
80°	376.3	396.6	343.1	308.1	295.2	276.7	309.9	339.5	1813.5	3444.3
82.5°	280.4	289.6	243.5	219.5	208.5	195.6	232.5	236.1	590.4	1219.4
85°	179.0	182.6	149.4	129.1	123.6	118.1	147.6	129.1	225.1	896.6
87.5°	62.7	71.9	57.2	51.7	55.3	46.1	68.3	38.7	62.7	632.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6486.5
6490.2
6532.6
6576.9
6593.5
6608.3
6645.1
6726.3
6849.9
6982.8
7145.1
7338.8
7482.7
7643.2
7910.7
8272.3
8816.5
9152.3
9347.9
9927.1
10785.0
12067.2
13823.5
16074.2
18979.8
22564.4
26811.2
31469.4
36992.9
40131.0
33792.1
14524.5
3298.6
1378.1
1302.5
784.1
0.0

OF REPORT)