

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: P943003

Luminaire Tested: **GALN-SB7B-740-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943003
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-SB7B-740-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41913 lumens
Efficiency: N/A
Efficacy: 163.3 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

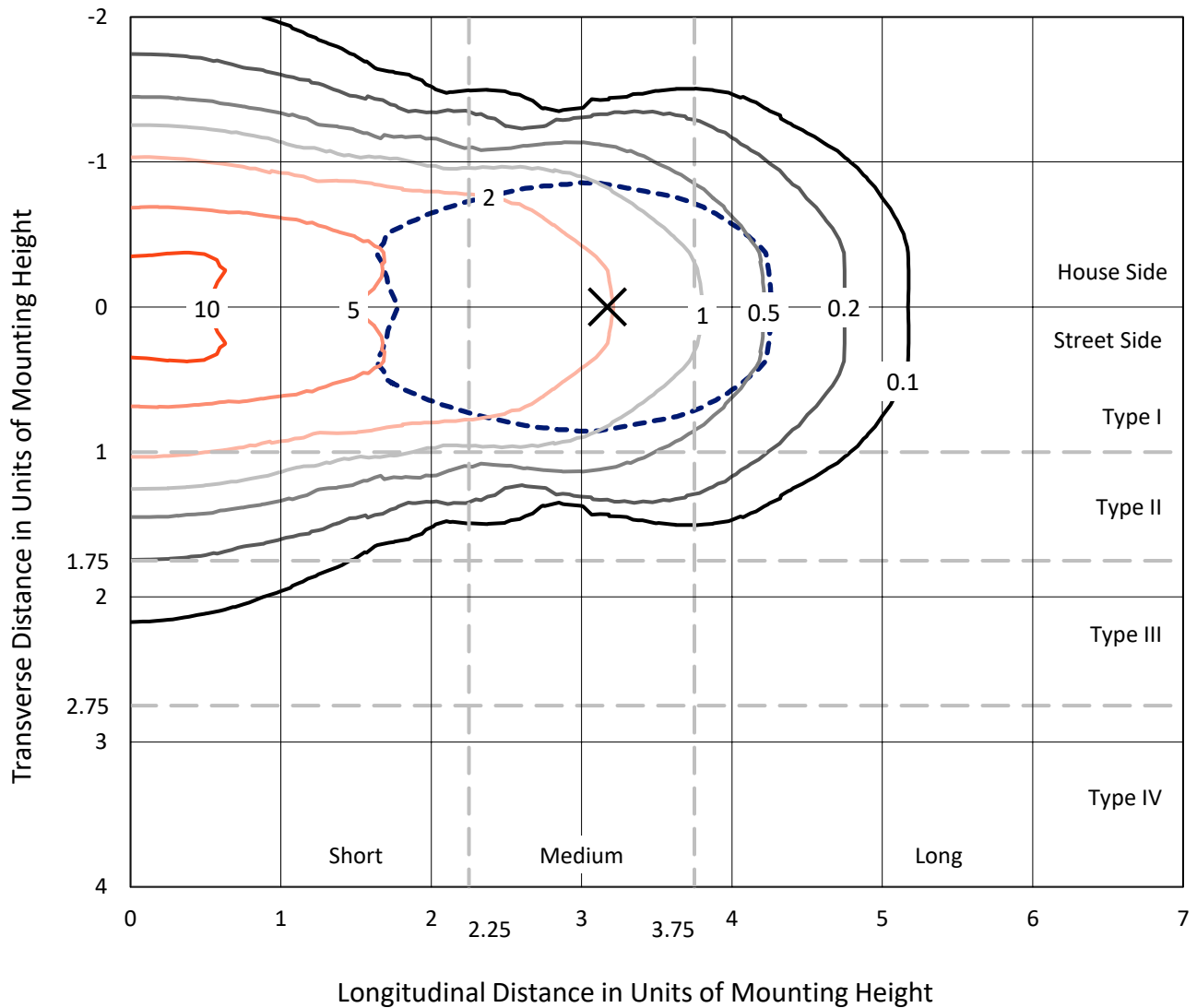
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

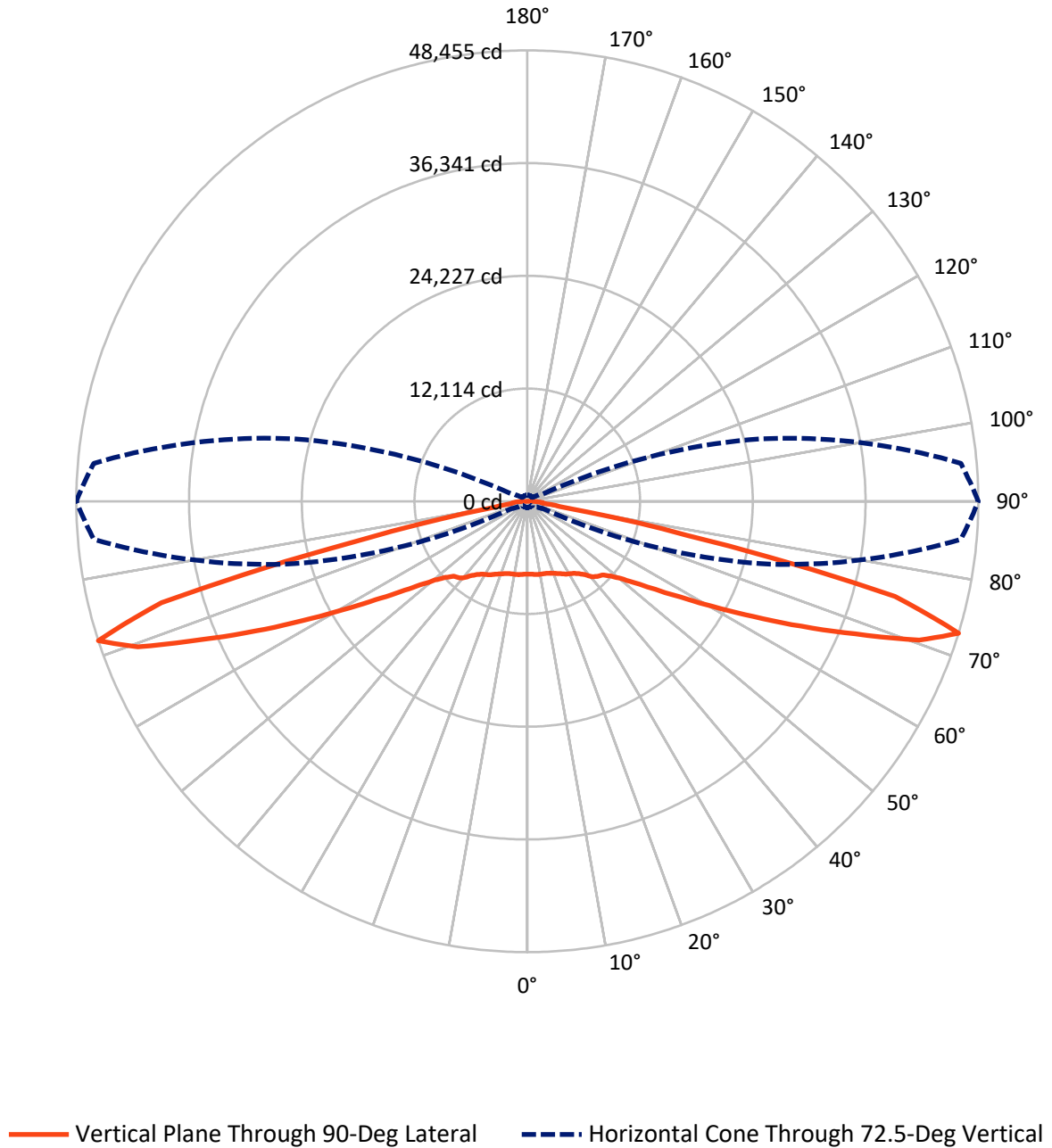
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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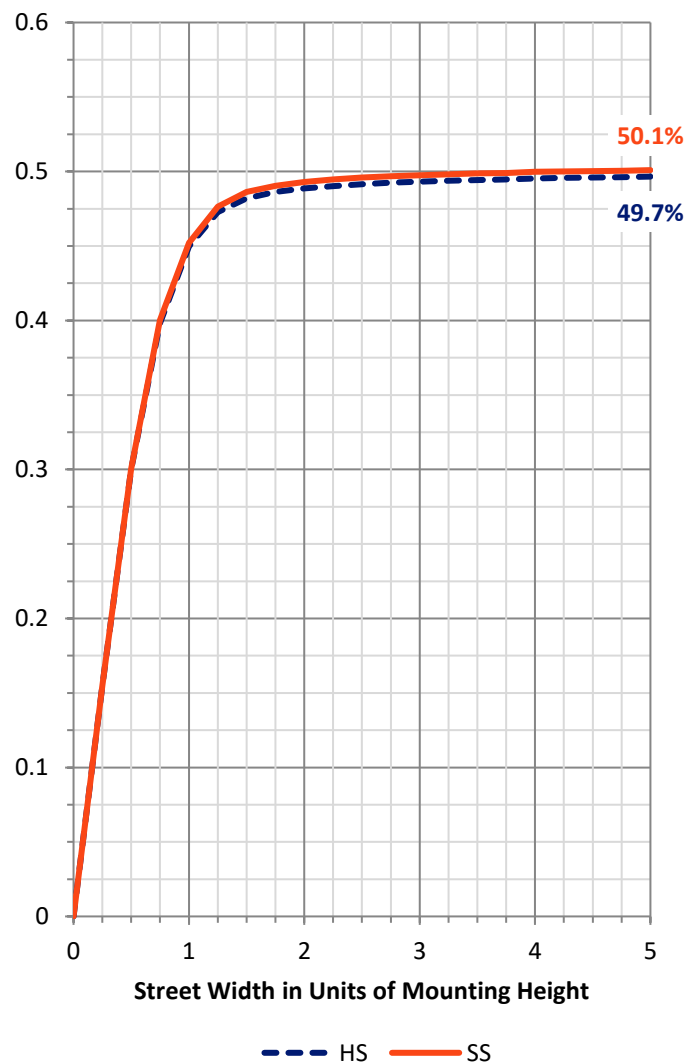
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20956.5	0.0	20956.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20956.5	0.0	20956.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41913.0	0.0	41913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.4	1.8
10°-20°	2321.9	5.5
20°-30°	3871.6	9.2
30°-40°	5324.7	12.7
40°-50°	6502.9	15.5
50°-60°	7521.3	17.9
60°-70°	8967.9	21.4
70°-80°	6259.0	14.9
80°-90°	384.4	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°	41913.0	100.0
0°-180°	41913.0	100.0

Coefficient of Utilization



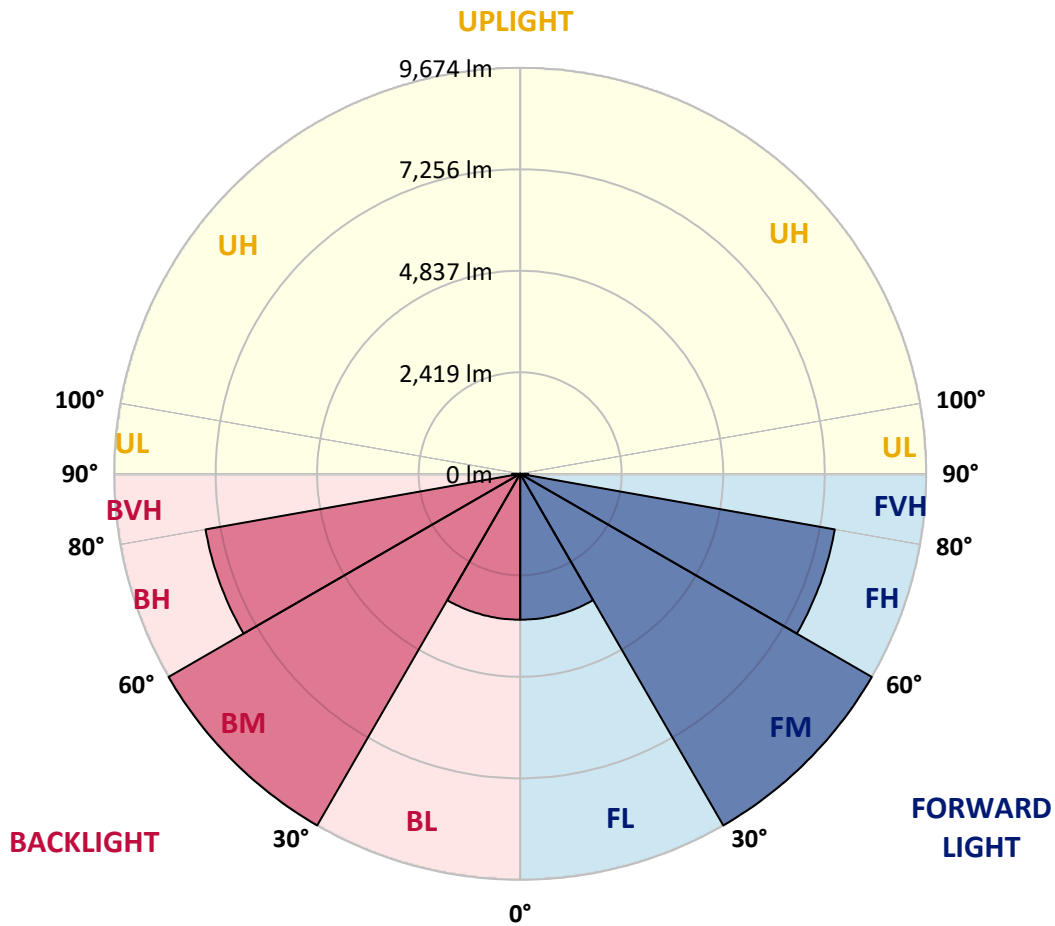
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3476.5	8.3			
FM (30°-60°)	9674.4	23.1			
FH (60°-80°)	7613.4	18.2			G4/12000
FVH (80°-90°)	192.2	0.5			G2/225
BL (0°-30°)	3476.5	8.3	B4/5000		
BM (30°-60°)	9674.4	23.1	B5		
BH (60°-80°)	7613.4	18.2	B5		G5
BVH (80°-90°)	192.2	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°	7831.9	7831.9	7831.9	7831.9	7831.9	7831.9	7831.9	7831.9	7831.9	7831.9
2.5°	7838.6	7847.5	7847.5	7840.8	7856.4	7843.0	7843.0	7836.3	7843.0	7836.3
5°	7878.7	7889.8	7894.3	7892.0	7912.1	7900.9	7900.9	7892.0	7894.3	7887.6
7.5°	7954.4	7970.0	7978.9	7990.0	8019.0	8005.6	7996.7	7970.0	7958.9	7941.0
10°	7978.9	7996.7	8025.7	8083.6	8150.4	8152.6	8125.9	8059.1	8007.9	7967.8
12.5°	7903.2	7927.7	7987.8	8105.9	8255.1	8315.3	8272.9	8161.6	8061.3	7990.0
15°	7807.4	7834.1	7925.4	8103.6	8324.2	8464.5	8460.0	8313.0	8152.6	8041.3
17.5°	7658.1	7684.9	7816.3	8065.8	8377.6	8609.3	8671.7	8520.2	8295.2	8146.0
20°	7388.6	7413.1	7595.8	7945.5	8395.4	8763.0	8925.6	8791.9	8511.3	8308.6
22.5°	7038.9	7076.8	7290.6	7738.3	8353.1	8923.4	9215.2	9123.8	8763.0	8482.3
25°	6664.7	6704.8	6954.3	7484.4	8244.0	9039.2	9558.2	9500.3	9048.1	8698.4
27.5°	6341.7	6384.0	6655.8	7232.7	8074.7	9083.7	9896.8	9925.7	9393.4	8936.7
30°	6087.8	6127.8	6417.4	7030.0	7856.4	9039.2	10193.0	10393.5	9745.3	9143.9
32.5°	5809.3	5860.5	6165.7	6782.7	7598.0	8932.3	10451.4	10899.2	10152.9	9366.6
35°	5457.4	5504.2	5824.9	6444.2	7259.4	8760.8	10667.5	11460.5	10736.5	9705.2
37.5°	5029.7	5074.2	5392.8	6020.9	6923.1	8520.2	10832.3	12093.1	11431.5	10193.0
40°	4599.8	4642.1	4940.6	5548.7	6519.9	8212.8	10890.2	12712.3	12229.0	10863.5
42.5°	4205.5	4243.4	4517.4	5083.2	6067.7	7820.7	10814.5	13251.4	12944.0	11331.3
45°	3842.4	3875.8	4118.6	4646.6	5597.7	7344.1	10587.3	13830.5	13794.9	11665.4
47.5°	3428.1	3461.5	3713.2	4223.3	5127.7	6785.0	10201.9	14400.8	14977.7	12422.8
50°	2922.5	2951.4	3209.8	3735.5	4639.9	6190.2	9667.3	14848.5	16470.1	13569.9
52.5°	2323.3	2354.5	2606.2	3131.9	4060.7	5550.9	8963.5	15140.3	18194.2	15245.0
55°	1728.5	1750.8	1969.1	2441.3	3343.5	4822.5	8081.4	15222.7	20150.0	17534.9
57.5°	1254.1	1267.4	1407.8	1759.7	2534.9	3911.5	7009.9	15008.9	22477.7	20470.7
60°	1015.7	1020.2	1062.5	1218.4	1762.0	2882.4	5715.8	14273.8	25003.7	24255.2
62.5°	922.2	922.2	933.3	975.6	1191.7	1902.3	4149.8	12750.2	27712.3	29037.7
65°	857.6	857.6	862.0	882.1	940.0	1211.8	2619.5	10268.8	29995.5	34639.8
67.5°	799.7	801.9	799.7	806.4	839.8	895.5	1519.2	7092.4	31225.1	40444.7
70°	739.5	744.0	732.8	732.8	759.6	761.8	951.1	3889.2	30204.9	45309.6
72.5°	668.2	674.9	657.1	652.7	672.7	663.8	715.0	1866.6	25932.5	46761.9
75°	605.9	614.8	574.7	563.6	563.6	556.9	581.4	957.8	16831.0	38145.9
77.5°	550.2	568.0	503.4	467.8	458.9	438.8	474.5	585.8	7361.9	17909.1
80°	454.4	478.9	414.3	372.0	356.4	334.1	374.2	409.9	2189.6	4158.7
82.5°	338.6	349.7	294.0	265.1	251.7	236.1	280.7	285.1	712.8	1472.4
85°	216.1	220.5	180.4	155.9	149.2	142.6	178.2	155.9	271.8	1082.6
87.5°	75.7	86.9	69.1	62.4	66.8	55.7	82.4	46.8	75.7	764.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7831.9
7836.3
7887.6
7941.0
7961.1
7978.9
8023.5
8121.5
8270.7
8431.1
8627.1
8861.0
9034.7
9228.5
9551.5
9988.1
10645.2
11050.6
11286.7
11986.2
13022.0
14570.1
16690.7
19408.2
22916.5
27244.5
32372.2
37996.7
44665.8
48454.8
40801.1
17537.1
3982.8
1663.9
1572.6
946.7
0.0

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