

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: P954473

Luminaire Tested: **GALN-SB7D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61561 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8
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



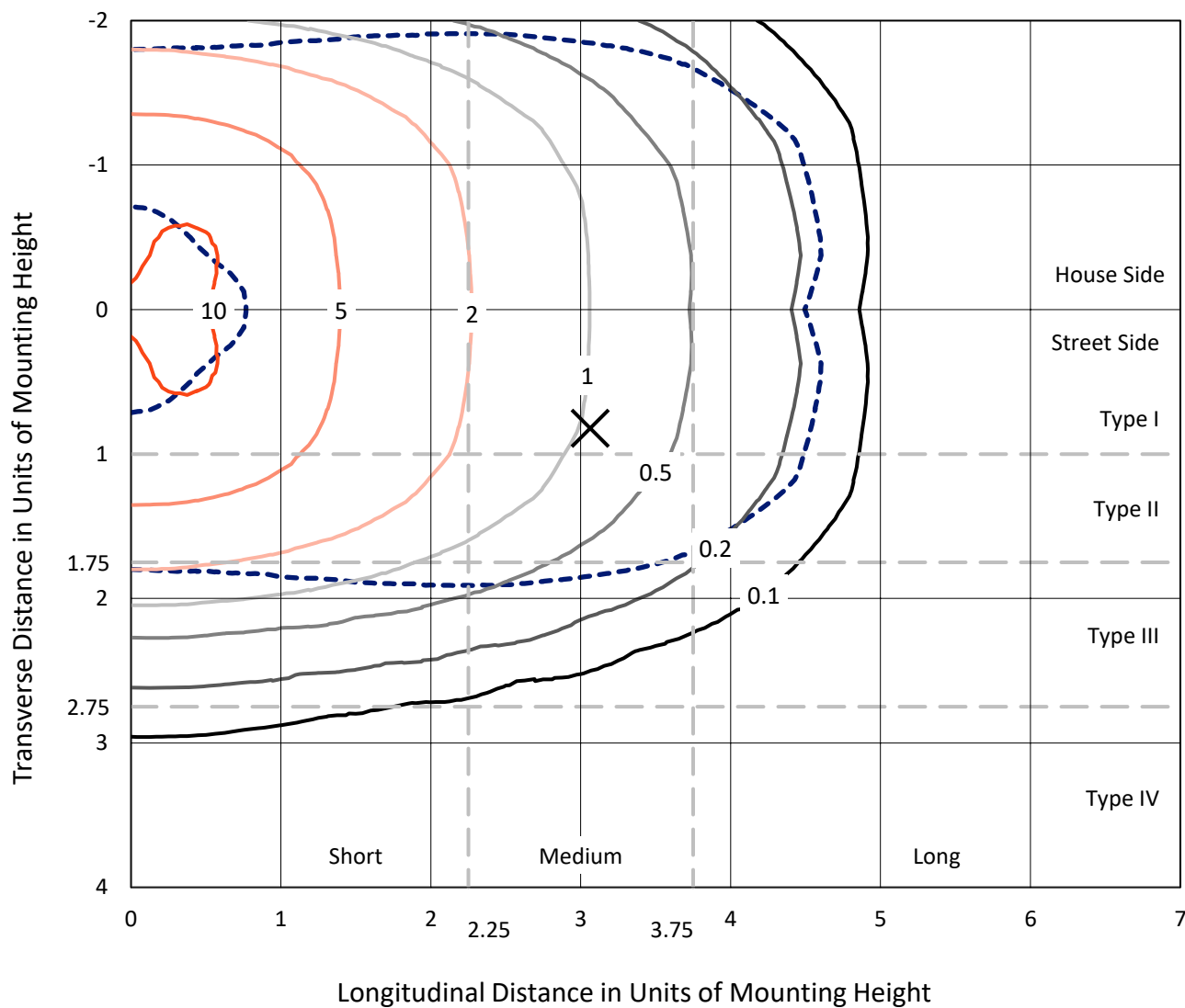
REPORT NUMBER: P954473

CATALOG NUMBER: GALN-SB7D-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

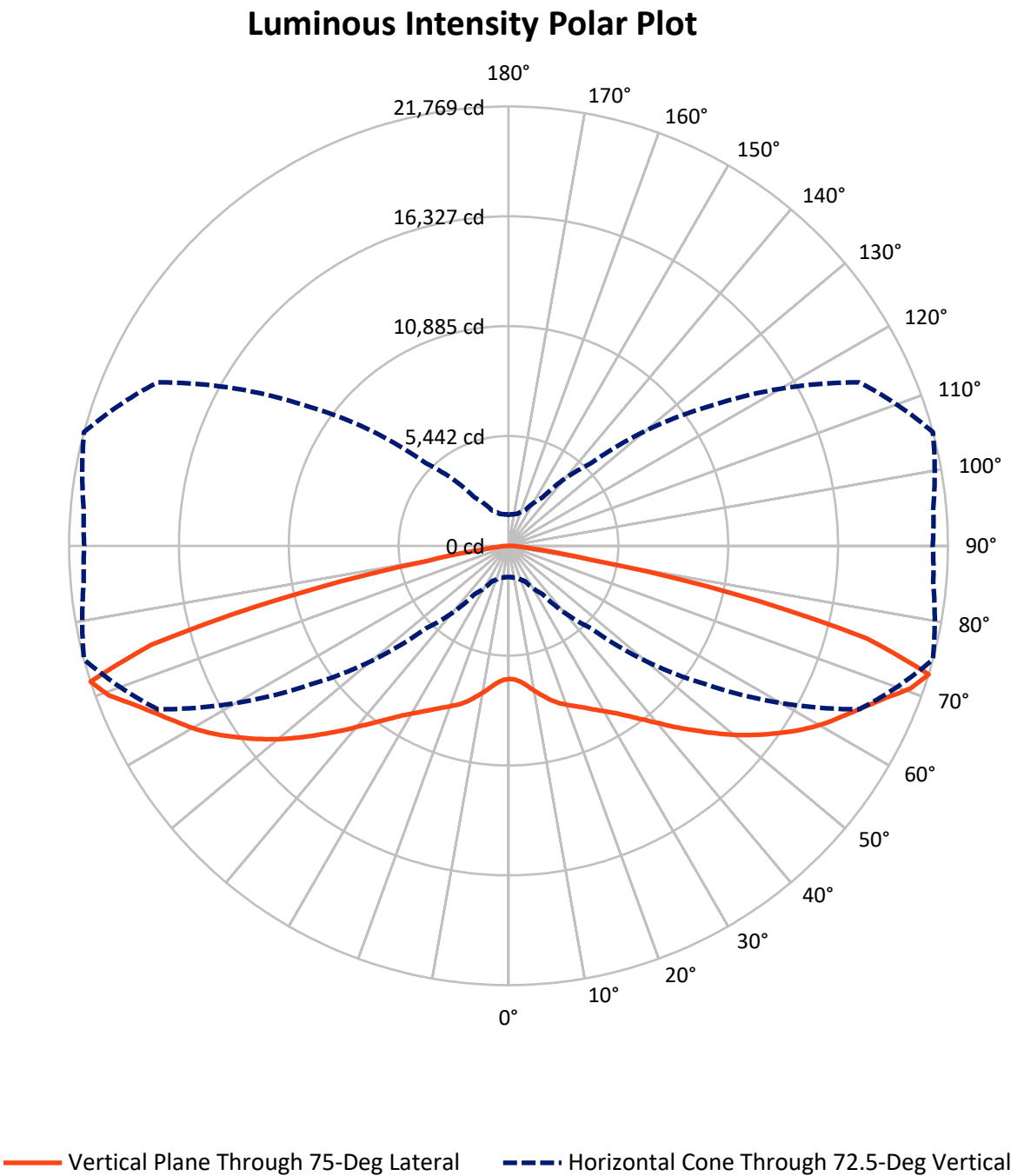
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
Type III - Medium - N/A

REPORT NUMBER: P954473
CATALOG NUMBER: GALN-SB7D-722-U-RW



REPORT NUMBER: P954473

CATALOG NUMBER: GALN-SB7D-722-U-RW

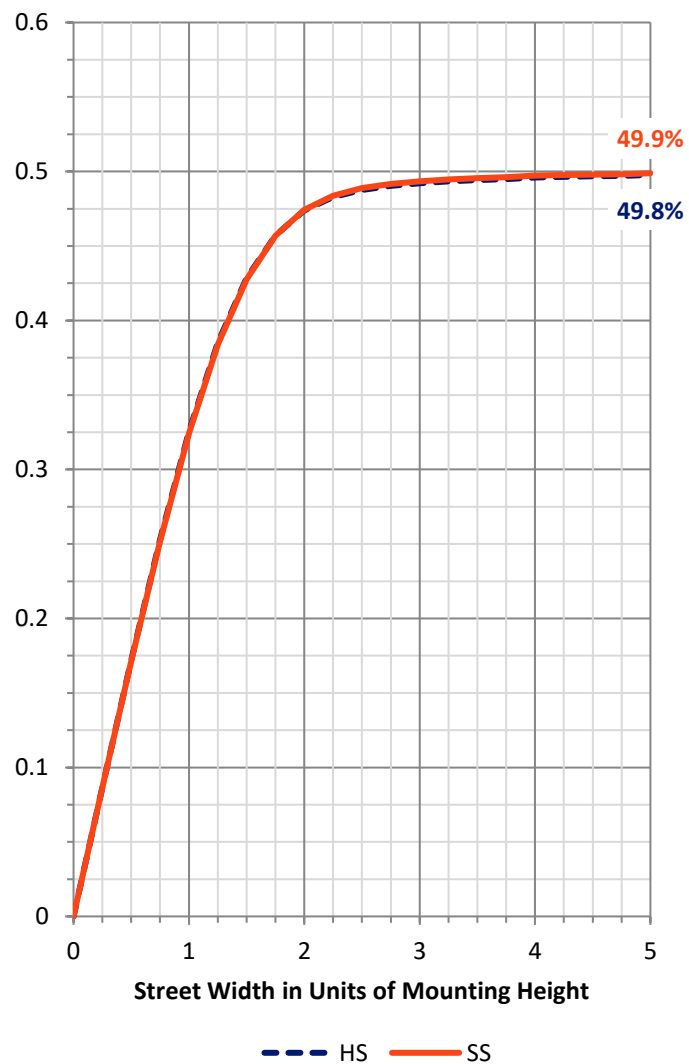
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30780.5	0.0	30780.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30780.5	0.0	30780.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	61561.0	0.0	61561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.0	1.0
10°-20°	2130.5	3.5
20°-30°	4116.8	6.7
30°-40°	6951.5	11.3
40°-50°	11024.3	17.9
50°-60°	14760.2	24.0
60°-70°	14047.0	22.8
70°-80°	7329.9	11.9
80°-90°	554.8	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°	61561.0	100.0
0°-180°	61561.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954473

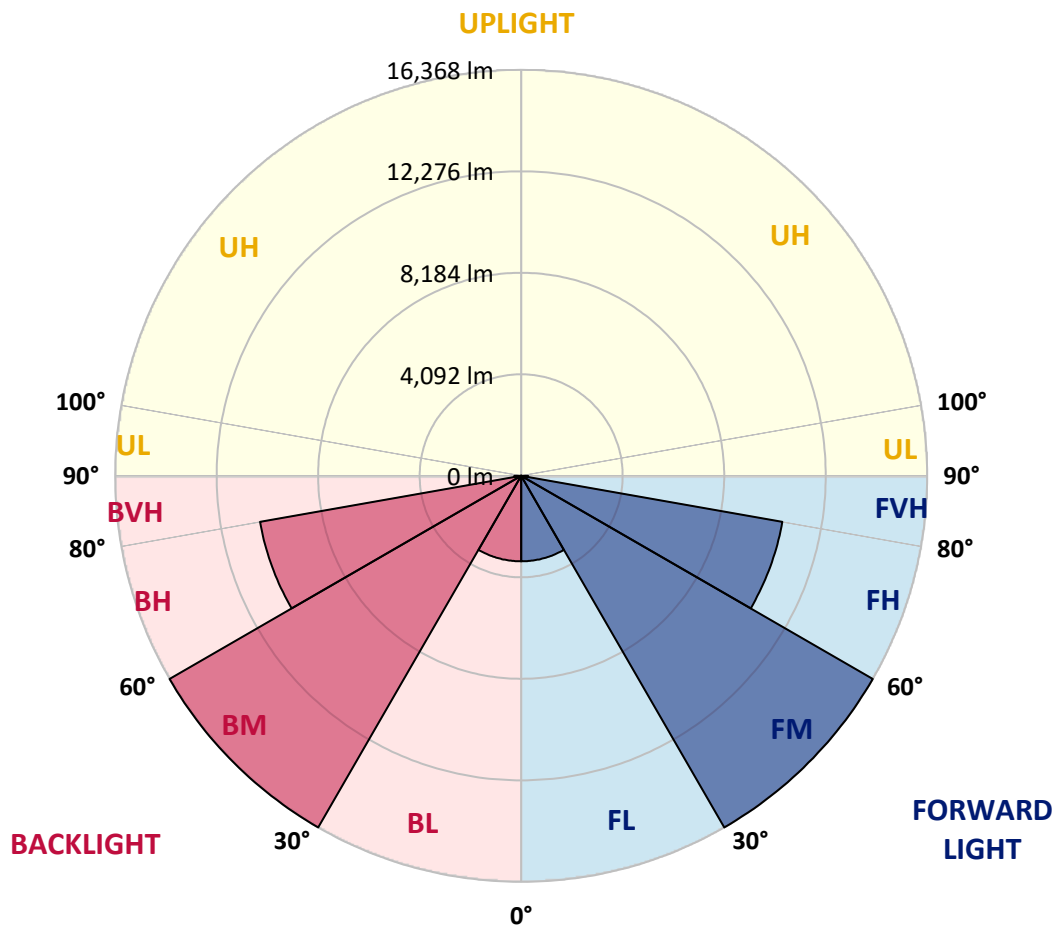
CATALOG NUMBER: GALN-SB7D-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3446.7	5.6			
FM	(30°-60°)	16368.0	26.6			
FH	(60°-80°)	10688.5	17.4			G4/12000
FVH	(80°-90°)	277.4	0.5			G3/500
BL	(0°-30°)	3446.7	5.6	B4/5000		
BM	(30°-60°)	16368.0	26.6	B5		
BH	(60°-80°)	10688.5	17.4	B5		G5
BVH	(80°-90°)	277.4	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 III Medium



REPORT NUMBER: P954473

CATALOG NUMBER: GALN-SB7D-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3	6594.3
2.5°	6594.3	6588.0	6594.3	6600.6	6597.4	6597.4	6613.1	6622.6	6641.4	6638.3	6635.1
5°	6550.3	6547.1	6572.3	6600.6	6622.6	6660.3	6707.4	6742.0	6786.0	6795.4	6795.4
7.5°	6528.3	6518.9	6562.9	6613.1	6682.3	6776.6	6867.7	6962.0	7037.5	7062.6	7068.9
10°	6544.0	6547.1	6606.9	6701.2	6811.2	6943.2	7072.0	7232.3	7339.2	7364.4	7389.5
12.5°	6616.3	6610.0	6710.6	6861.5	7012.3	7178.9	7329.8	7505.8	7622.1	7681.8	7707.0
15°	6748.3	6735.7	6877.2	7100.3	7320.3	7515.2	7637.8	7804.4	7939.5	8015.0	8043.3
17.5°	6905.5	6911.7	7097.2	7386.4	7675.5	7895.5	8011.8	8096.7	8200.4	8266.4	8297.9
20°	7182.1	7194.6	7402.1	7744.7	8074.7	8326.1	8420.4	8389.0	8417.3	8467.6	8505.3
22.5°	7552.9	7559.2	7791.8	8162.7	8508.5	8785.0	8847.9	8719.0	8640.5	8675.0	8700.2
25°	7983.5	8024.4	8257.0	8637.3	8992.5	9256.5	9284.8	9089.9	8895.1	8904.5	8920.2
27.5°	8508.5	8546.2	8781.9	9159.1	9520.5	9750.0	9746.8	9486.0	9199.9	9127.6	9149.6
30°	9077.4	9118.2	9360.2	9750.0	10086.3	10287.5	10243.5	9932.3	9523.7	9388.5	9404.2
32.5°	9753.1	9778.3	10023.4	10413.2	10724.4	10884.7	10793.5	10410.0	9900.9	9746.8	9784.6
35°	10570.3	10608.1	10790.4	11158.1	11431.6	11563.6	11409.6	10956.9	10384.9	10212.0	10237.2
37.5°	11503.9	11478.7	11686.2	12013.0	12239.3	12321.1	12110.5	11573.0	10938.1	10733.8	10771.5
40°	12478.2	12465.7	12692.0	13006.3	13128.9	13179.1	12868.0	12280.2	11576.1	11356.1	11428.4
42.5°	13361.4	13352.0	13656.9	14005.8	14153.5	14096.9	13704.0	13031.4	12314.8	12063.3	12126.2
45°	14068.6	14056.1	14430.1	14920.4	15209.6	15115.3	14587.3	13861.2	13062.8	12802.0	12861.7
47.5°	14612.4	14618.7	15021.0	15627.6	16133.7	16168.3	15489.3	14706.7	13886.3	13590.9	13678.9
50°	15005.3	15024.2	15454.8	16127.4	16818.9	17123.8	16410.3	15574.2	14738.1	14405.0	14505.5
52.5°	15102.7	15137.3	15655.9	16444.9	17258.9	17840.4	17346.9	16407.1	15545.9	15228.5	15310.2
55°	14584.1	14653.3	15310.2	16419.7	17529.2	18311.9	18170.4	17252.6	16360.0	16033.1	16124.3
57.5°	13392.9	13490.3	14257.2	15706.2	17469.5	18635.6	18808.5	18063.6	17174.1	16859.7	16932.0
60°	11723.9	11840.2	12575.7	14156.7	16627.2	18755.1	19258.0	18852.5	17922.1	17617.2	17683.2
62.5°	9206.2	9357.1	10237.2	12091.6	14848.1	18198.7	19641.4	19566.0	18594.8	18214.4	18258.4
65°	5905.9	6066.2	6993.5	9184.2	12475.1	16495.1	19760.9	20260.6	19305.1	18773.9	18839.9
67.5°	3561.2	3633.5	4092.4	5566.5	9118.2	13927.2	18748.8	21030.7	20134.9	19474.8	19525.1
70°	2278.8	2319.6	2593.1	3268.9	5154.7	10161.7	16240.5	21175.3	21140.7	20194.6	20188.3
72.5°	1546.4	1559.0	1631.3	1936.2	2916.8	5773.9	11978.5	19169.9	21769.3	21121.8	21021.2
75°	1131.5	1200.7	1317.0	1370.4	1656.4	2885.4	6864.6	13468.3	18346.4	18629.3	17944.1
77.5°	842.4	845.5	1005.8	1068.7	1181.8	1537.0	2904.3	7518.4	11390.7	11959.6	10667.8
80°	713.5	675.8	672.6	861.2	889.5	958.7	1298.1	2596.2	4079.8	2473.6	1870.2
82.5°	594.1	553.2	499.8	672.6	606.6	587.8	562.6	1056.1	1298.1	638.1	543.8
85°	414.9	396.0	377.2	440.0	345.7	295.5	270.3	493.5	546.9	270.3	238.9
87.5°	179.2	185.4	188.6	194.9	144.6	103.7	103.7	138.3	138.3	106.9	78.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)