

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: P955897

Luminaire Tested: **GALN-SB8D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71187 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 584.9
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

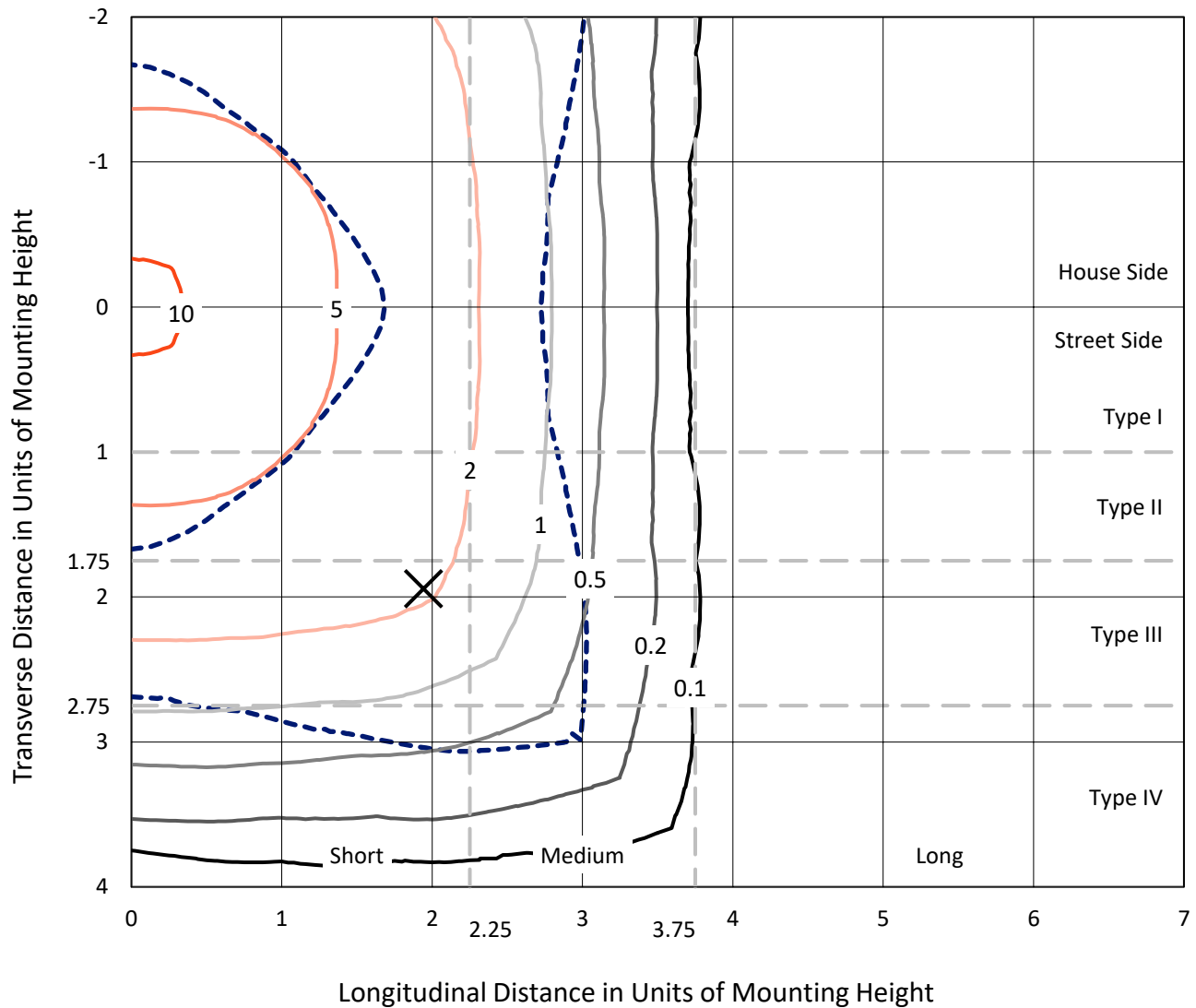


REPORT NUMBER: P955897

CATALOG NUMBER: GALN-SB8D-722-U-5MQ

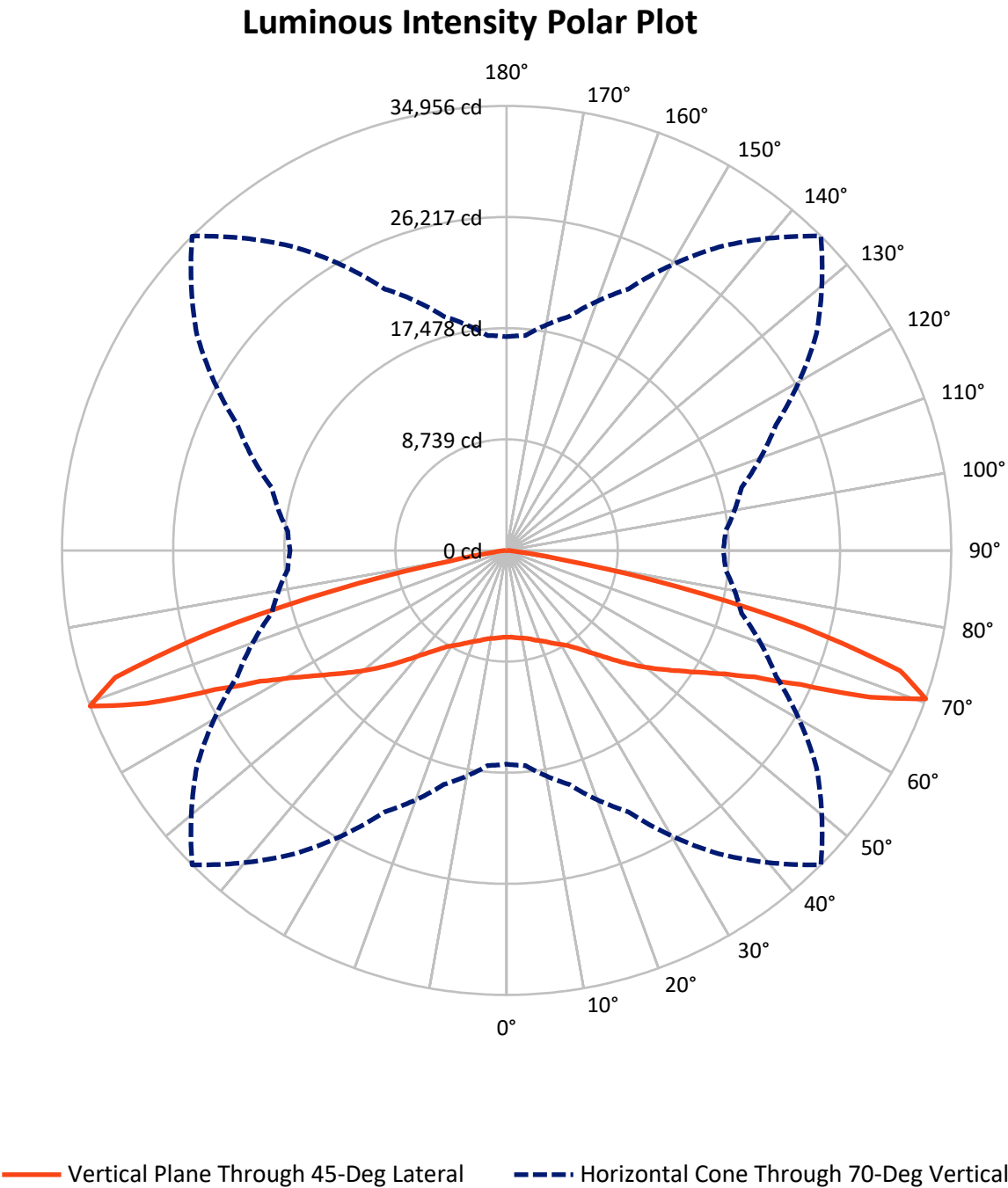
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type V - Short - N/A

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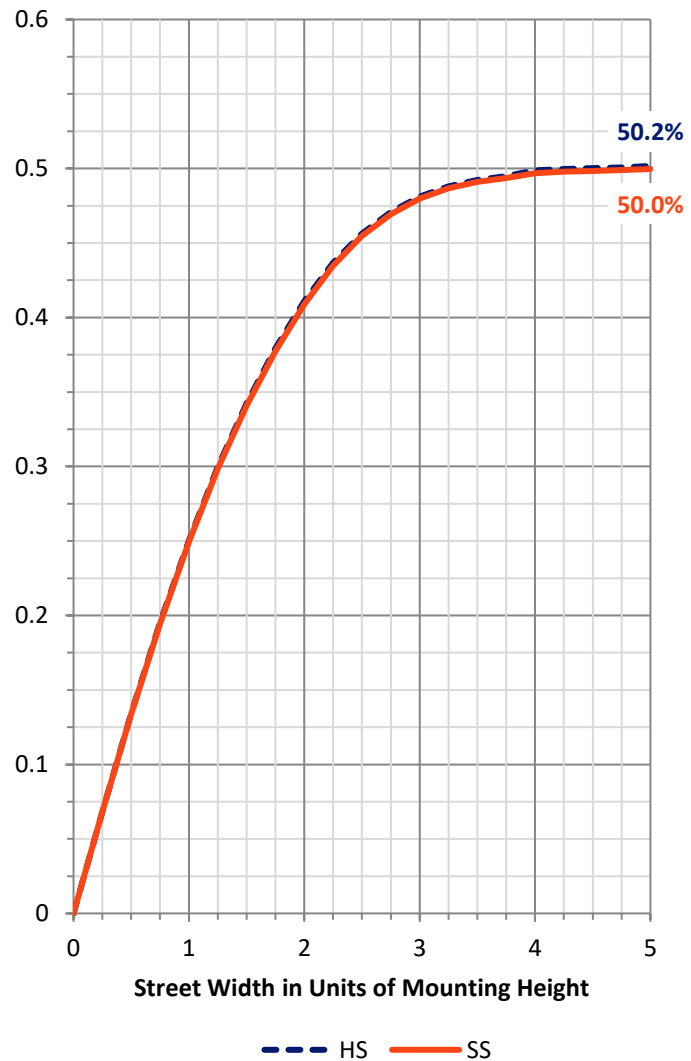
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35593.5	0.0	35593.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35593.5	0.0	35593.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71187.0	0.0	71187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.5	0.9
10°-20°	2054.2	2.9
20°-30°	3671.1	5.2
30°-40°	5950.9	8.4
40°-50°	9693.0	13.6
50°-60°	14778.5	20.8
60°-70°	21985.8	30.9
70°-80°	11983.0	16.8
80°-90°	408.0	0.6
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°	71187.0	100.0
0°-180°	71187.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955897

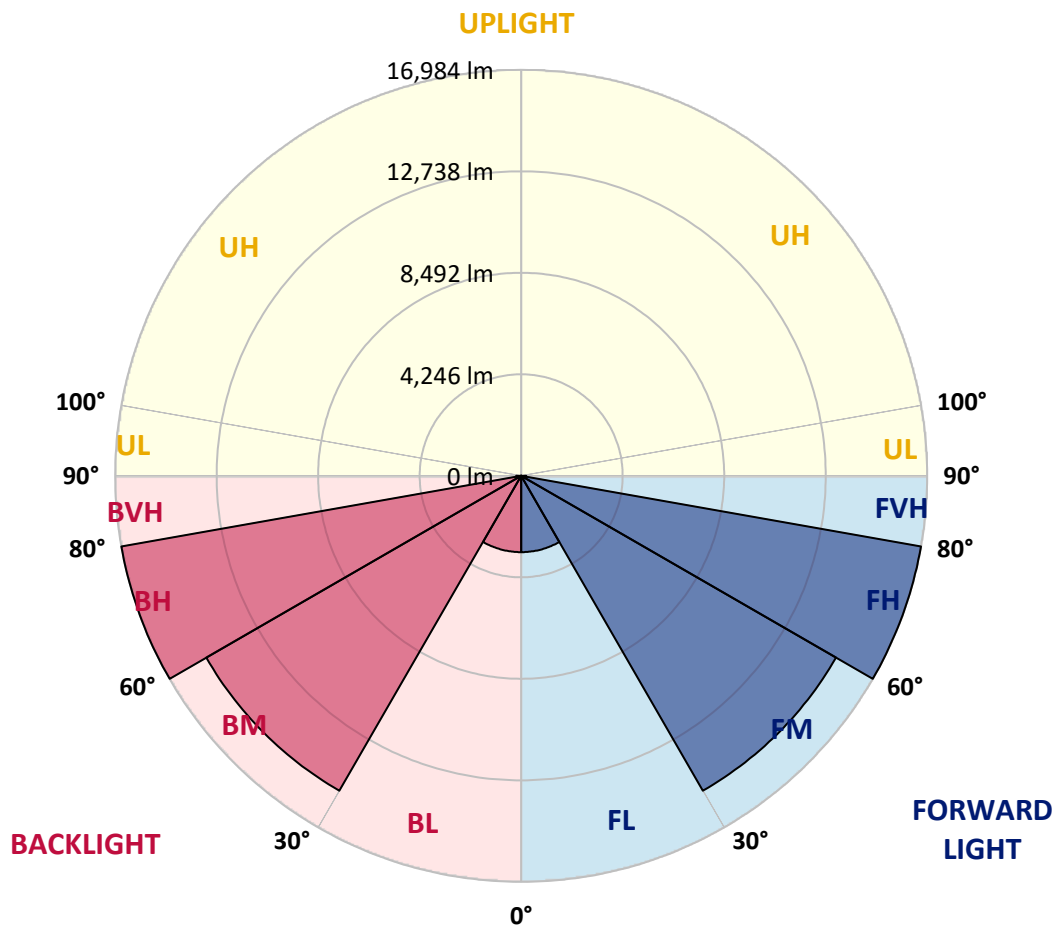
CATALOG NUMBER: GALN-SB8D-722-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3193.9	4.5			
FM	(30°-60°)	15211.2	21.4			
FH	(60°-80°)	16984.4	23.9			G5
FVH	(80°-90°)	204.0	0.3			G2/225
BL	(0°-30°)	3193.9	4.5	B4/5000		
BM	(30°-60°)	15211.2	21.4	B5		
BH	(60°-80°)	16984.4	23.9	B5		G5
BVH	(80°-90°)	204.0	0.3			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 V Short



REPORT NUMBER: P955897

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0	6819.0
2.5°	6851.1	6858.3	6844.0	6836.8	6829.7	6819.0	6822.6	6840.4	6854.7	6851.1	6854.7
5°	6908.3	6915.5	6904.8	6901.2	6886.9	6883.3	6883.3	6901.2	6911.9	6904.8	6908.3
7.5°	6972.7	6983.4	6965.5	6961.9	6954.8	6947.6	6944.1	6961.9	6972.7	6972.7	6972.7
10°	7033.4	7044.1	7029.8	7019.1	7012.0	7012.0	7004.8	7019.1	7037.0	7033.4	7033.4
12.5°	7097.7	7104.9	7090.6	7083.4	7083.4	7094.2	7083.4	7090.6	7104.9	7097.7	7094.2
15°	7176.4	7179.9	7176.4	7187.1	7205.0	7240.7	7208.5	7201.4	7208.5	7190.7	7190.7
17.5°	7283.6	7290.7	7305.0	7330.0	7355.1	7419.4	7362.2	7344.3	7344.3	7308.6	7308.6
20°	7415.8	7426.5	7448.0	7490.9	7523.0	7583.8	7526.6	7501.6	7490.9	7444.4	7444.4
22.5°	7555.2	7573.1	7605.2	7662.4	7719.6	7776.8	7719.6	7676.7	7644.5	7583.8	7580.2
25°	7716.0	7737.5	7787.5	7880.4	7959.0	8041.2	7973.3	7887.6	7823.2	7737.5	7733.9
27.5°	7944.8	7969.8	8030.5	8144.9	8245.0	8316.4	8252.1	8141.3	8052.0	7948.3	7944.8
30°	8266.4	8291.4	8362.9	8484.4	8552.3	8598.8	8555.9	8470.1	8362.9	8245.0	8245.0
32.5°	8681.0	8713.1	8791.8	8906.1	8920.4	8927.6	8913.3	8870.4	8791.8	8648.8	8652.4
35°	9206.3	9242.1	9331.4	9424.3	9410.0	9424.3	9402.9	9388.6	9331.4	9167.0	9167.0
37.5°	9849.6	9892.5	9985.4	10056.9	10021.2	10003.3	10006.9	10010.5	9978.3	9796.0	9796.0
40°	10596.6	10653.8	10721.7	10796.7	10736.0	10682.4	10718.1	10746.7	10718.1	10532.2	10532.2
42.5°	11365.0	11447.2	11518.6	11625.9	11575.8	11507.9	11558.0	11590.1	11529.4	11329.2	11343.5
45°	12219.1	12297.7	12390.7	12551.5	12515.8	12444.3	12515.8	12522.9	12419.3	12183.4	12208.4
47.5°	13101.9	13184.1	13323.5	13537.9	13523.6	13445.0	13537.9	13487.9	13355.6	13073.3	13055.4
50°	13938.2	14052.5	14267.0	14567.2	14595.8	14499.3	14624.3	14527.9	14306.3	13952.5	13945.3
52.5°	14724.4	14845.9	15185.4	15592.9	15696.5	15571.4	15739.4	15571.4	15239.1	14785.2	14742.3
55°	15550.0	15685.8	16089.6	16622.2	16829.4	16736.5	16893.8	16640.0	16168.3	15617.9	15542.8
57.5°	16522.1	16604.3	17086.8	17719.3	18069.6	18091.0	18162.5	17733.6	17161.8	16536.4	16450.6
60°	17576.4	17690.7	18216.1	18973.8	19527.7	19706.4	19631.4	18995.2	18330.5	17612.1	17497.8
62.5°	18927.3	19052.4	19681.4	20589.2	21464.8	21907.9	21614.9	20692.8	19870.8	19009.5	18859.4
65°	20045.9	20185.3	21321.8	22940.8	24534.7	25424.6	24688.4	22990.8	21511.2	20296.1	20096.0
67.5°	19234.7	19406.2	21189.6	24163.1	28126.5	30781.9	28262.3	24527.6	21629.2	19981.6	19735.0
70°	16811.6	16972.4	19052.4	22687.0	29137.9	34956.2	29745.5	23355.4	19120.3	17276.2	17029.6
72.5°	11161.3	11679.5	13784.5	18144.6	26017.9	32347.3	26275.2	17776.5	12787.4	11136.2	10775.3
75°	3702.5	4117.1	5553.8	9406.5	17426.3	24191.6	16590.0	8323.6	4399.5	3166.5	2994.9
77.5°	932.8	1075.7	1483.2	2691.1	6951.2	13773.8	6257.9	2197.9	1197.3	836.3	746.9
80°	453.9	500.3	714.8	897.0	1740.5	4378.0	1633.3	843.4	564.7	436.0	400.3
82.5°	250.2	253.7	403.8	507.5	646.9	1132.9	671.9	493.2	325.2	264.5	264.5
85°	153.7	150.1	214.4	271.6	271.6	403.8	321.6	271.6	185.8	164.4	171.5
87.5°	60.8	60.8	78.6	85.8	75.1	103.6	82.2	89.3	71.5	67.9	71.5
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)