

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: P953042

Luminaire Tested: **GALN-SB6D-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53417 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 440.1
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

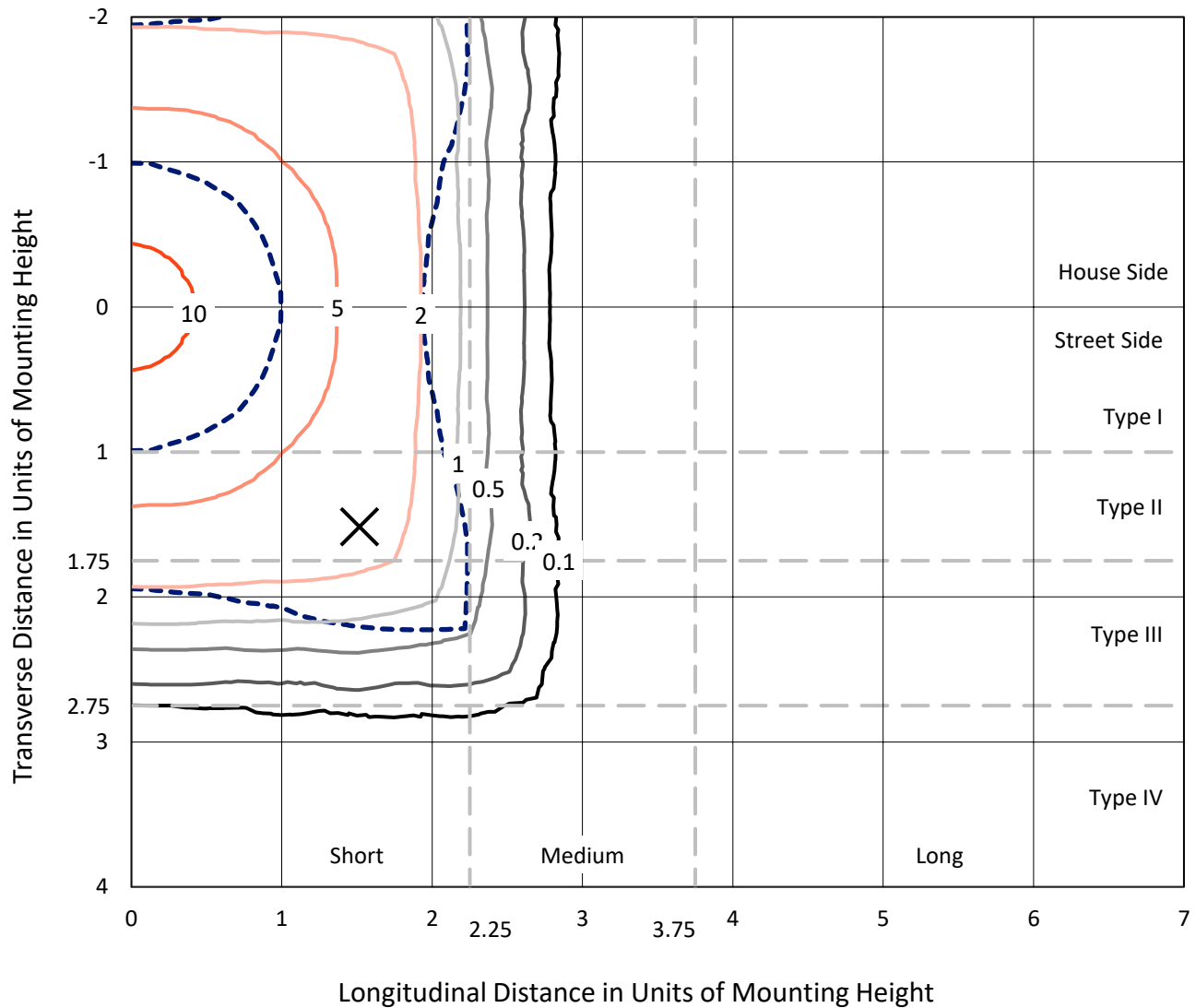


REPORT NUMBER: P953042

CATALOG NUMBER: GALN-SB6D-722-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

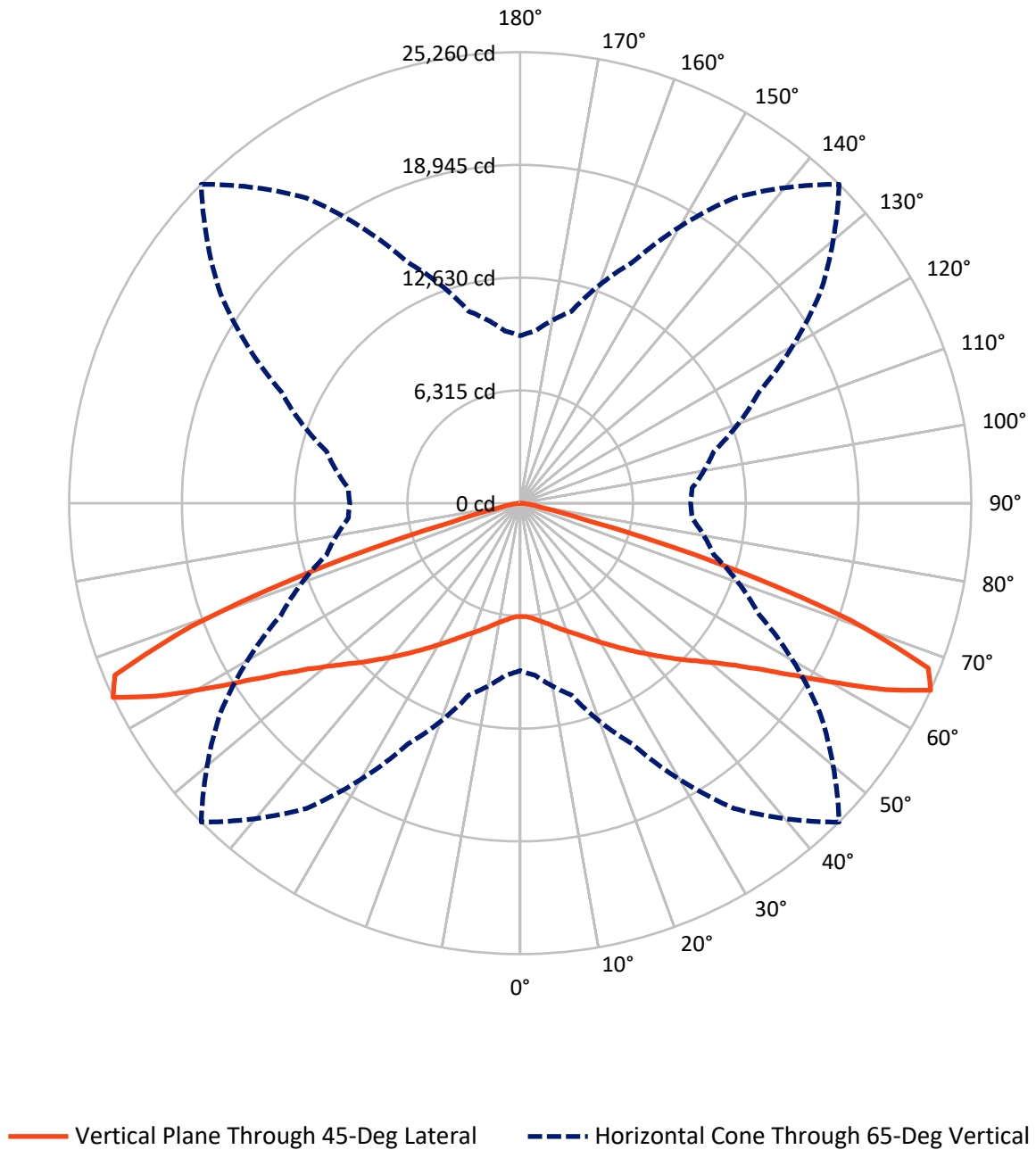


Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
Type V - Short - N/A

REPORT NUMBER: P953042

CATALOG NUMBER: GALN-SB6D-722-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P953042

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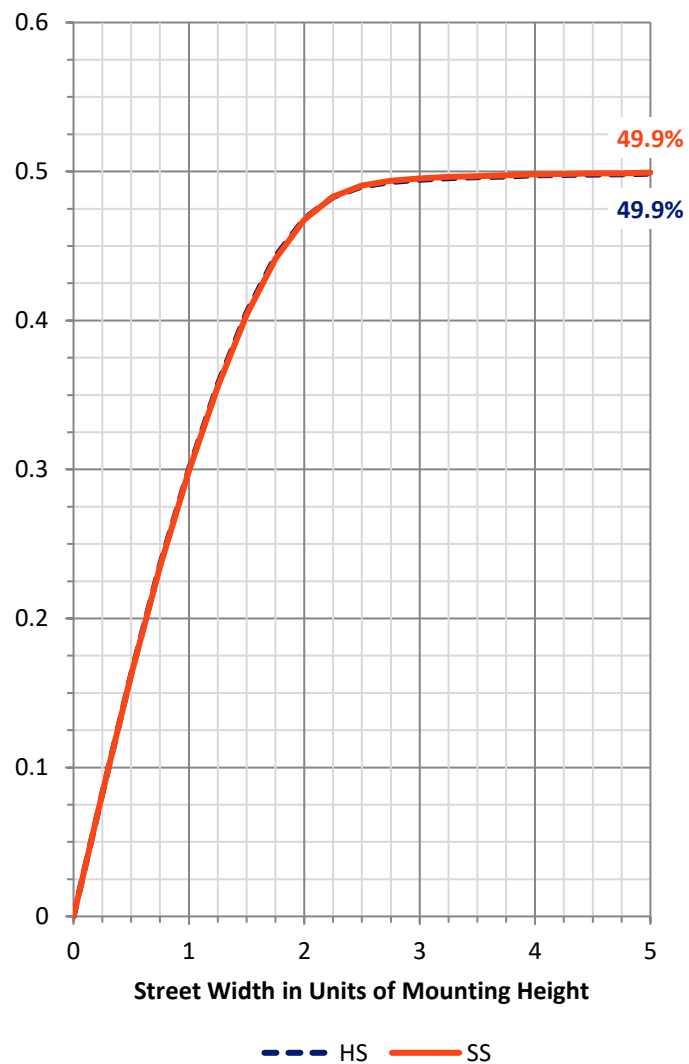
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26708.5	0.0	26708.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26708.5	0.0	26708.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53417.0	0.0	53417.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.4	1.2
10°-20°	2047.2	3.8
20°-30°	3865.4	7.2
30°-40°	6329.4	11.8
40°-50°	9813.9	18.4
50°-60°	14497.1	27.1
60°-70°	13799.9	25.8
70°-80°	2226.8	4.2
80°-90°	209.9	0.4
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°	53417.0	100.0
0°-180°	53417.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953042

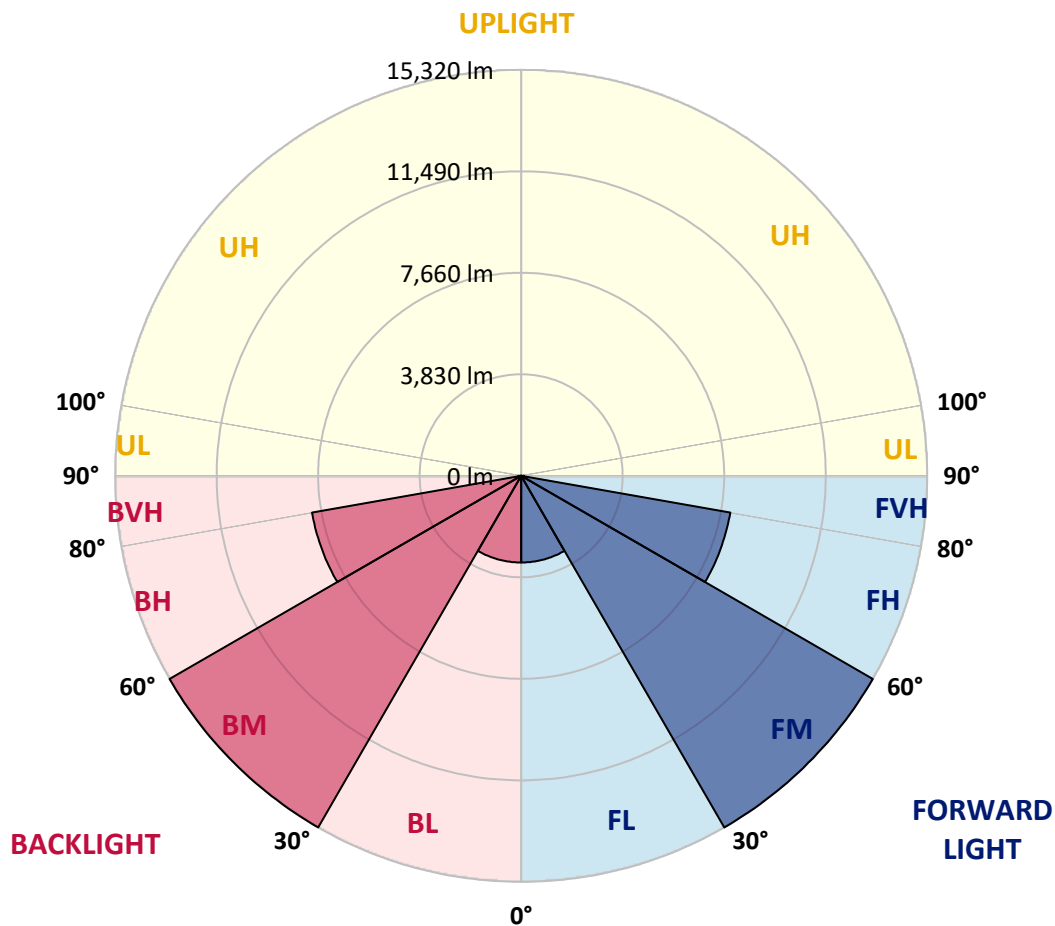
CATALOG NUMBER: GALN-SB6D-722-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3270.0	6.1			
FM	(30°-60°)	15320.2	28.7			
FH	(60°-80°)	8013.4	15.0			G4/12000
FVH	(80°-90°)	105.0	0.2			G2/225
BL	(0°-30°)	3270.0	6.1	B4/5000		
BM	(30°-60°)	15320.2	28.7	B5		
BH	(60°-80°)	8013.4	15.0	B5		G4/12000
BVH	(80°-90°)	105.0	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2	6357.2
2.5°	6400.0	6378.6	6394.7	6381.3	6370.6	6359.8	6365.2	6384.0	6392.0	6394.7	6394.7
5°	6485.8	6467.0	6475.1	6475.1	6456.3	6451.0	6453.6	6467.0	6483.1	6483.1	6483.1
7.5°	6625.2	6606.4	6625.2	6614.4	6598.4	6593.0	6590.3	6601.0	6625.2	6625.2	6617.1
10°	6794.0	6772.6	6783.3	6777.9	6759.2	6751.1	6748.4	6764.5	6786.0	6783.3	6777.9
12.5°	6978.9	6954.8	6968.2	6952.1	6946.8	6938.7	6938.7	6936.1	6949.5	6938.7	6944.1
15°	7185.3	7169.2	7174.6	7163.9	7171.9	7166.5	7145.1	7134.4	7139.7	7123.7	7126.3
17.5°	7429.2	7391.7	7410.4	7405.1	7405.1	7415.8	7380.9	7367.5	7378.3	7362.2	7375.6
20°	7710.6	7673.1	7681.1	7670.4	7657.0	7667.7	7624.8	7635.6	7643.6	7632.9	7657.0
22.5°	8018.8	7970.6	7967.9	7973.2	7943.8	7946.4	7917.0	7943.8	7959.8	7930.4	7959.8
25°	8335.1	8284.1	8319.0	8305.6	8268.1	8276.1	8254.7	8281.5	8294.9	8257.3	8300.2
27.5°	8670.1	8635.2	8667.4	8675.4	8629.9	8662.0	8629.9	8654.0	8667.4	8611.1	8654.0
30°	9061.4	9026.5	9056.0	9077.4	9023.8	9074.8	9048.0	9064.0	9066.7	8999.7	9039.9
32.5°	9487.5	9433.9	9508.9	9519.7	9460.7	9522.3	9487.5	9508.9	9522.3	9431.2	9492.9
35°	10007.4	9940.4	10026.2	10012.8	9961.9	10012.8	9980.6	10012.8	10045.0	9935.1	10002.1
37.5°	10567.6	10497.9	10589.0	10564.9	10516.6	10551.5	10532.7	10554.2	10605.1	10487.2	10559.5
40°	11184.0	11098.2	11221.5	11178.6	11133.1	11127.7	11138.4	11151.8	11218.8	11087.5	11130.4
42.5°	11843.3	11752.2	11937.1	11870.1	11805.8	11762.9	11797.7	11824.5	11888.8	11741.4	11819.2
45°	12596.4	12491.9	12733.1	12652.7	12550.8	12462.4	12518.7	12558.9	12652.7	12475.8	12566.9
47.5°	13427.2	13309.3	13566.6	13542.5	13376.3	13183.3	13312.0	13427.2	13496.9	13282.5	13354.9
50°	14239.3	14148.2	14485.8	14515.3	14311.6	14041.0	14220.5	14394.7	14413.5	14132.1	14166.9
52.5°	15000.4	14909.3	15399.8	15584.7	15402.4	15080.8	15271.1	15448.0	15306.0	14941.5	14952.2
55°	15608.8	15533.8	16158.2	16635.3	16696.9	16431.6	16544.2	16538.8	16072.5	15512.3	15531.1
57.5°	15756.2	15745.5	16533.4	17543.8	18187.0	18219.2	17996.8	17428.6	16423.5	15670.4	15622.2
60°	15086.2	15153.2	16235.9	18018.2	19733.5	20446.4	19484.2	17862.8	16024.2	14979.0	14855.7
62.5°	13081.5	13258.4	14563.6	17439.3	20982.4	23008.5	20676.8	17203.5	14384.0	13019.8	12939.4
65°	9374.9	9683.1	11125.0	14882.5	20869.8	25259.8	20505.3	14761.9	11232.2	9659.0	9543.8
67.5°	4253.3	4566.9	5791.7	10189.7	18141.5	24648.7	18098.6	10296.9	6081.1	4582.9	4515.9
70°	1541.0	1594.6	1988.6	4079.1	11594.0	19639.6	12089.9	4108.6	2114.6	1699.2	1677.7
72.5°	932.7	940.7	1023.8	1460.6	4028.2	11923.7	4199.7	1508.9	1045.2	927.3	943.4
75°	592.3	586.9	729.0	892.5	1428.5	4022.8	1498.2	892.5	726.3	662.0	667.3
77.5°	426.1	439.5	522.6	667.3	900.5	1364.2	884.4	637.9	522.6	428.8	436.9
80°	318.9	327.0	380.6	519.9	632.5	849.6	562.8	471.7	394.0	268.0	276.0
82.5°	230.5	230.5	249.2	377.9	385.9	458.3	305.5	332.3	260.0	190.3	190.3
85°	136.7	134.0	155.4	225.1	201.0	168.8	139.4	203.7	163.5	117.9	115.2
87.5°	48.2	50.9	48.2	64.3	53.6	45.6	42.9	56.3	45.6	40.2	37.5
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)