

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: P953041

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953041
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-SB6D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 53385 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

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



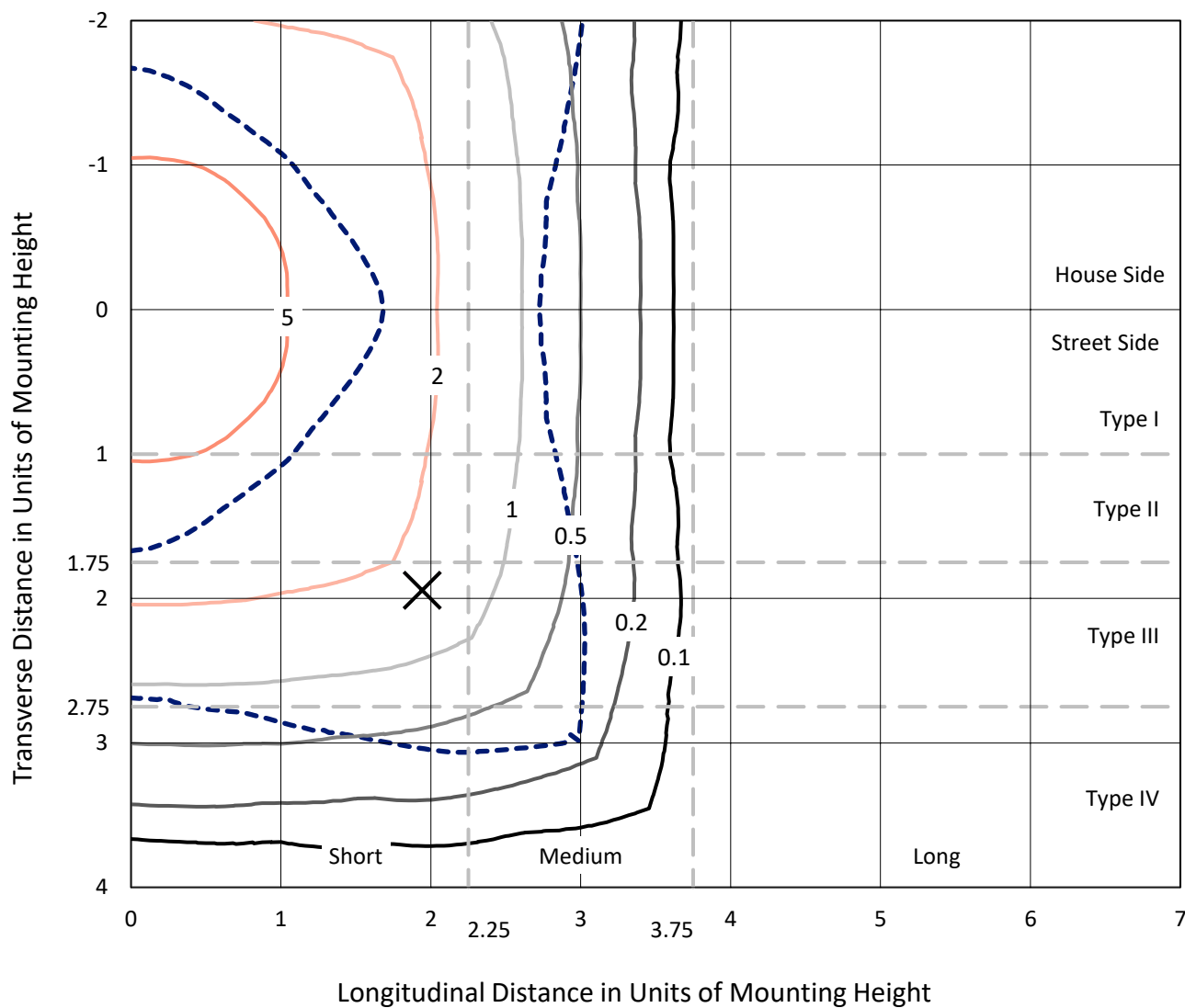
REPORT NUMBER: P953041

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

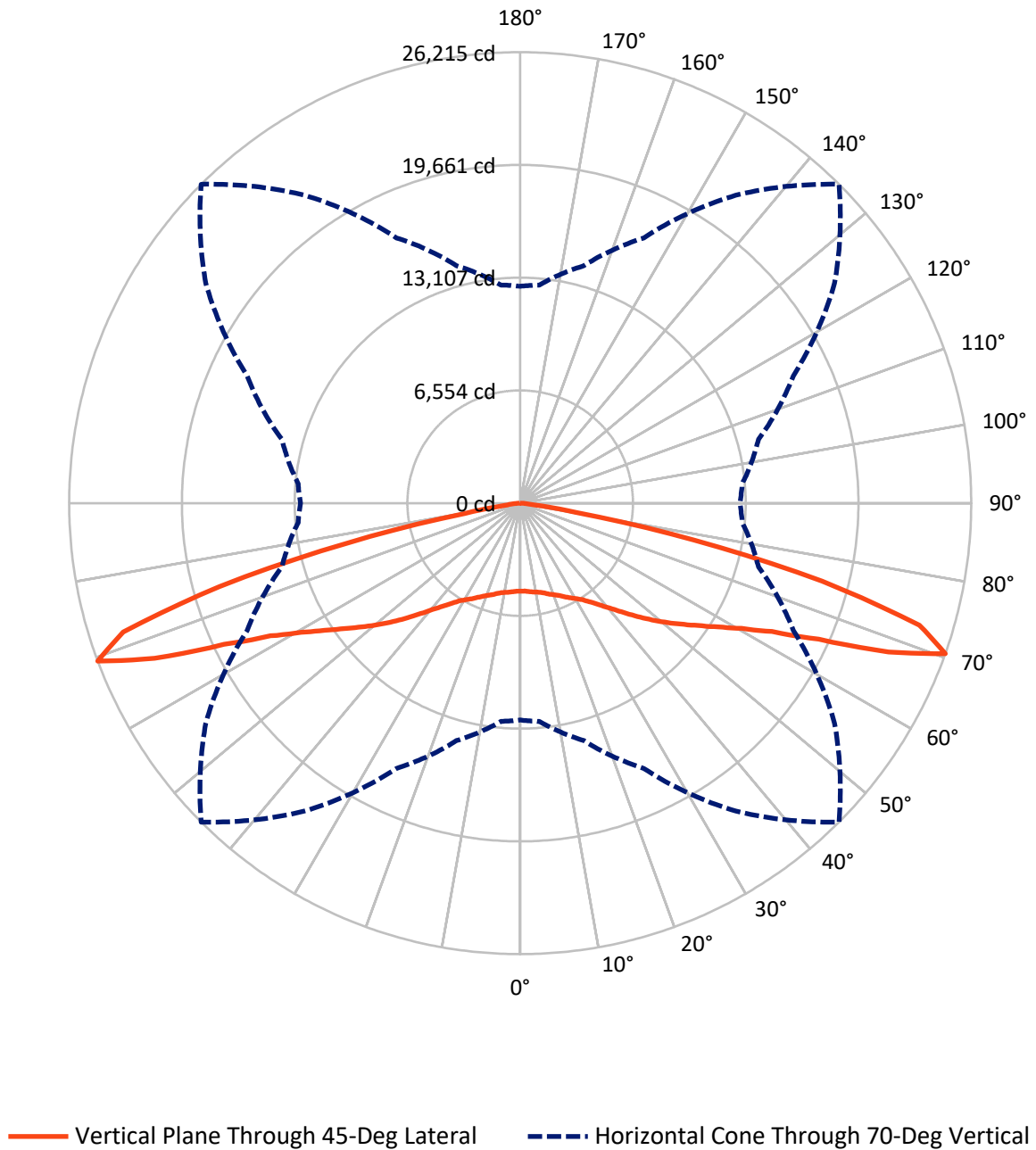


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P953041

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

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26692.5	0.0	26692.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26692.5	0.0	26692.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53385.0	0.0	53385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.8	0.9
10°-20°	1540.5	2.9
20°-30°	2753.1	5.2
30°-40°	4462.7	8.4
40°-50°	7269.0	13.6
50°-60°	11082.8	20.8
60°-70°	16487.7	30.9
70°-80°	8986.3	16.8
80°-90°	306.0	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°	53385.0	100.0
0°-180°	53385.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953041

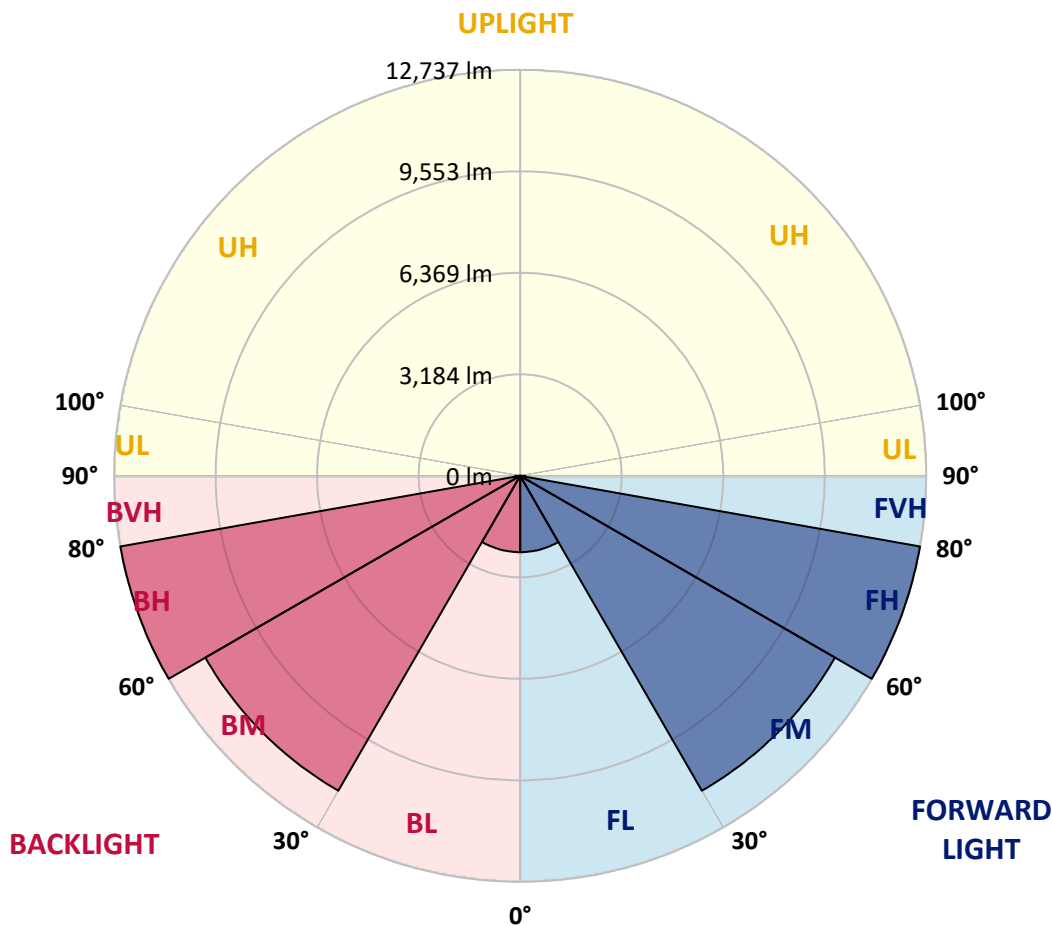
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2395.2	4.5			
FM	(30°-60°)	11407.3	21.4			
FH	(60°-80°)	12737.0	23.9			G5
FVH	(80°-90°)	153.0	0.3			G2/225
BL	(0°-30°)	2395.2	4.5	B3/2500		
BM	(30°-60°)	11407.3	21.4	B5		
BH	(60°-80°)	12737.0	23.9	B5		G5
BVH	(80°-90°)	153.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7	5113.7
2.5°	5137.9	5143.2	5132.5	5127.1	5121.8	5113.7	5116.4	5129.8	5140.5	5137.9	5140.5
5°	5180.7	5186.1	5178.1	5175.4	5164.7	5162.0	5162.0	5175.4	5183.4	5178.1	5180.7
7.5°	5229.0	5237.0	5223.6	5220.9	5215.6	5210.2	5207.5	5220.9	5229.0	5229.0	5229.0
10°	5274.5	5282.6	5271.9	5263.8	5258.5	5258.5	5253.1	5263.8	5277.2	5274.5	5274.5
12.5°	5322.8	5328.1	5317.4	5312.1	5312.1	5320.1	5312.1	5317.4	5328.1	5322.8	5320.1
15°	5381.7	5384.4	5381.7	5389.8	5403.2	5430.0	5405.9	5400.5	5405.9	5392.5	5392.5
17.5°	5462.2	5467.5	5478.2	5497.0	5515.8	5564.0	5521.1	5507.7	5507.7	5480.9	5480.9
20°	5561.3	5569.4	5585.4	5617.6	5641.7	5687.3	5644.4	5625.6	5617.6	5582.8	5582.8
22.5°	5665.8	5679.2	5703.4	5746.2	5789.1	5832.0	5789.1	5757.0	5732.8	5687.3	5684.6
25°	5786.4	5802.5	5840.1	5909.7	5968.7	6030.3	5979.4	5915.1	5866.9	5802.5	5799.8
27.5°	5958.0	5976.7	6022.3	6108.1	6183.1	6236.7	6188.5	6105.4	6038.4	5960.7	5958.0
30°	6199.2	6218.0	6271.6	6362.7	6413.6	6448.4	6416.3	6352.0	6271.6	6183.1	6183.1
32.5°	6510.1	6534.2	6593.2	6678.9	6689.7	6695.0	6684.3	6652.1	6593.2	6486.0	6488.6
35°	6904.1	6930.9	6997.9	7067.6	7056.8	7067.6	7051.5	7040.8	6997.9	6874.6	6874.6
37.5°	7386.5	7418.7	7488.3	7541.9	7515.1	7501.7	7504.4	7507.1	7483.0	7346.3	7346.3
40°	7946.7	7989.5	8040.5	8096.7	8051.2	8011.0	8037.8	8059.2	8037.8	7898.4	7898.4
42.5°	8522.9	8584.5	8638.1	8718.5	8681.0	8630.1	8667.6	8691.7	8646.2	8496.1	8506.8
45°	9163.4	9222.4	9292.1	9412.7	9385.9	9332.3	9385.9	9391.3	9313.5	9136.6	9155.4
47.5°	9825.4	9887.1	9991.6	10152.4	10141.7	10082.7	10152.4	10114.9	10015.7	9804.0	9790.6
50°	10452.6	10538.4	10699.2	10924.3	10945.7	10873.4	10967.2	10894.8	10728.6	10463.3	10458.0
52.5°	11042.2	11133.4	11388.0	11693.5	11771.2	11677.4	11803.4	11677.4	11428.2	11087.8	11055.6
55°	11661.3	11763.2	12066.0	12465.4	12620.8	12551.2	12669.1	12478.8	12125.0	11712.3	11656.0
57.5°	12390.3	12452.0	12813.8	13288.2	13550.8	13566.9	13620.5	13298.9	12870.1	12401.1	12336.7
60°	13181.0	13266.8	13660.7	14228.9	14644.4	14778.4	14722.1	14245.0	13746.5	13207.8	13122.0
62.5°	14194.1	14287.9	14759.6	15440.4	16097.0	16429.3	16209.6	15518.1	14901.6	14255.7	14143.2
65°	15033.0	15137.5	15989.8	17203.9	18399.2	19066.6	18514.5	17241.4	16131.8	15220.6	15070.5
67.5°	14424.6	14553.2	15890.6	18120.5	21092.8	23084.2	21194.6	18393.9	16220.3	14984.7	14799.8
70°	12607.4	12728.0	14287.9	17013.6	21851.3	26214.6	22306.9	17514.8	14338.8	12955.9	12770.9
72.5°	8370.1	8758.7	10337.3	13607.1	19511.5	24258.1	19704.5	13331.1	9589.6	8351.4	8080.7
75°	2776.6	3087.5	4165.0	7054.2	13068.4	18142.0	12441.3	6242.1	3299.3	2374.6	2246.0
77.5°	699.5	806.7	1112.3	2018.2	5212.9	10329.3	4692.9	1648.3	897.9	627.2	560.2
80°	340.4	375.2	536.0	672.7	1305.2	3283.2	1224.8	632.5	423.5	327.0	300.2
82.5°	187.6	190.3	302.9	380.6	485.1	849.6	503.9	369.9	243.9	198.3	198.3
85°	115.2	112.6	160.8	203.7	203.7	302.9	241.2	203.7	139.4	123.3	128.6
87.5°	45.6	45.6	59.0	64.3	56.3	77.7	61.6	67.0	53.6	50.9	53.6
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)