

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: P953062

Luminaire Tested: **GALN-SB6D-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953062
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59941 lumens
Efficiency: N/A
Efficacy: 136.2 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



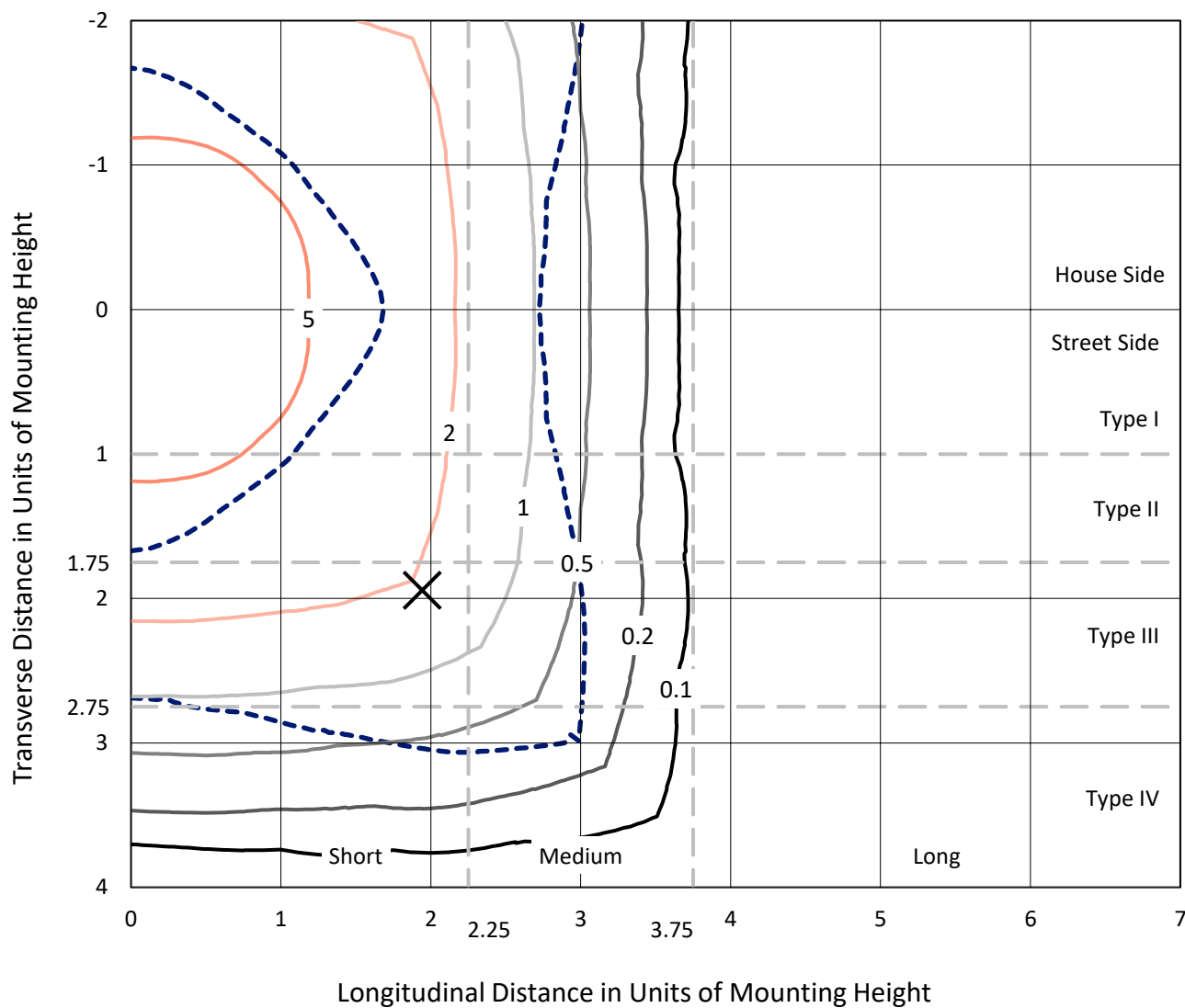
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

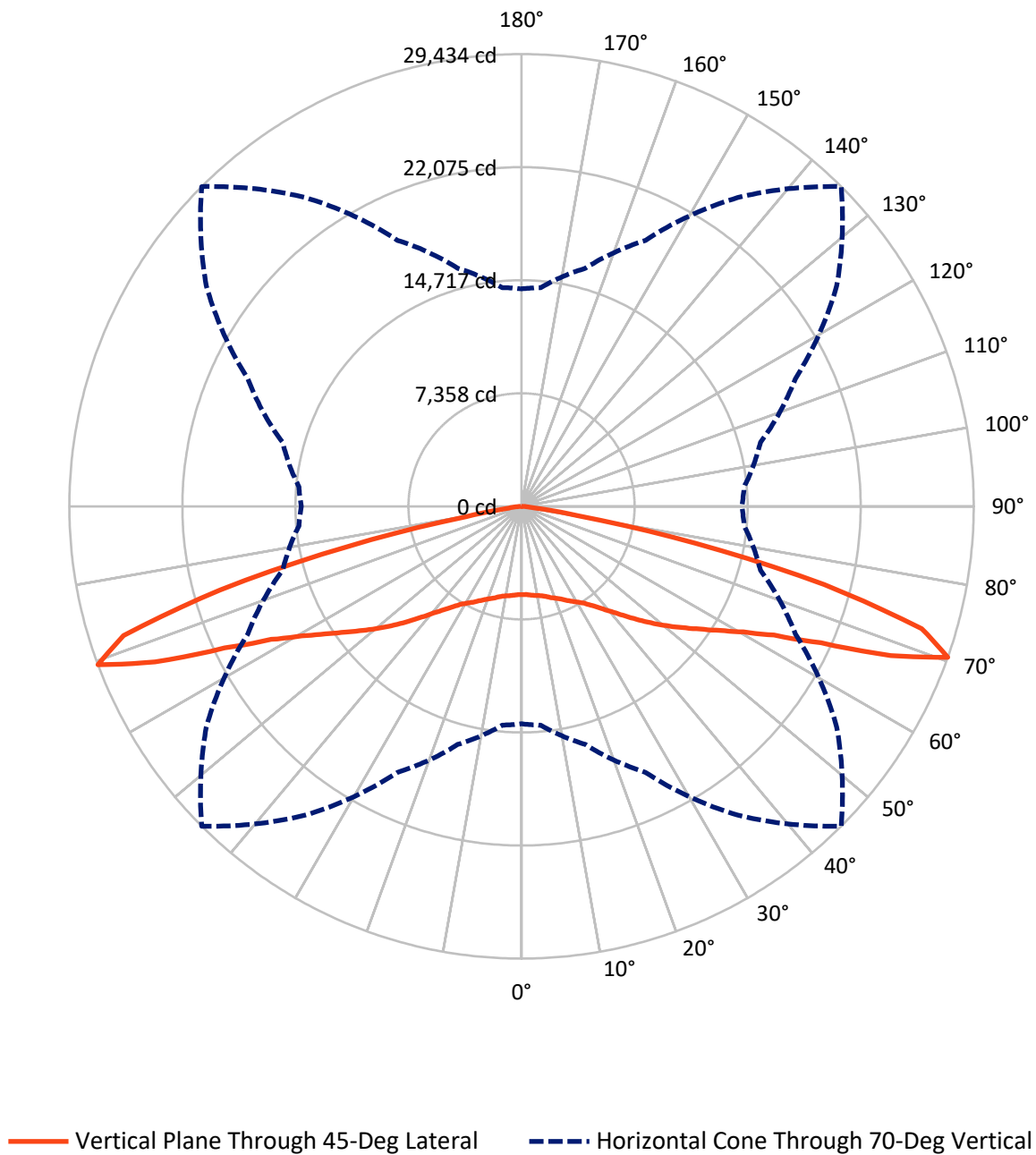


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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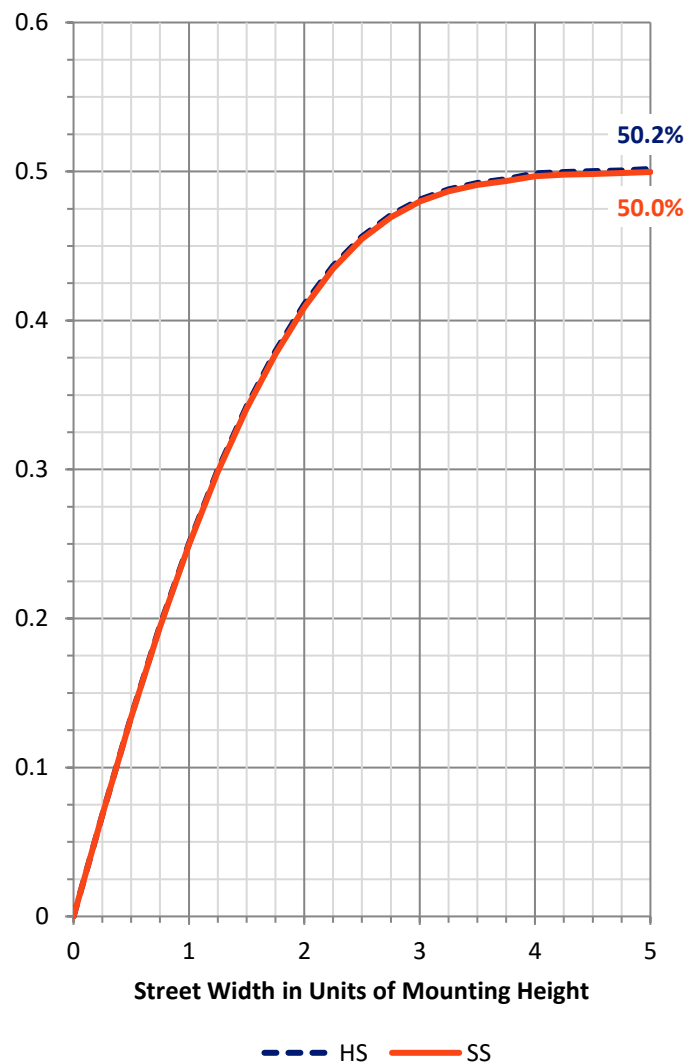
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29970.5	0.0	29970.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29970.5	0.0	29970.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59941.0	0.0	59941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.8	0.9
10°-20°	1729.7	2.9
20°-30°	3091.2	5.2
30°-40°	5010.8	8.4
40°-50°	8161.7	13.6
50°-60°	12443.8	20.8
60°-70°	18512.5	30.9
70°-80°	10089.9	16.8
80°-90°	343.6	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°	59941.0	100.0
0°-180°	59941.0	100.0

Coefficient of Utilization



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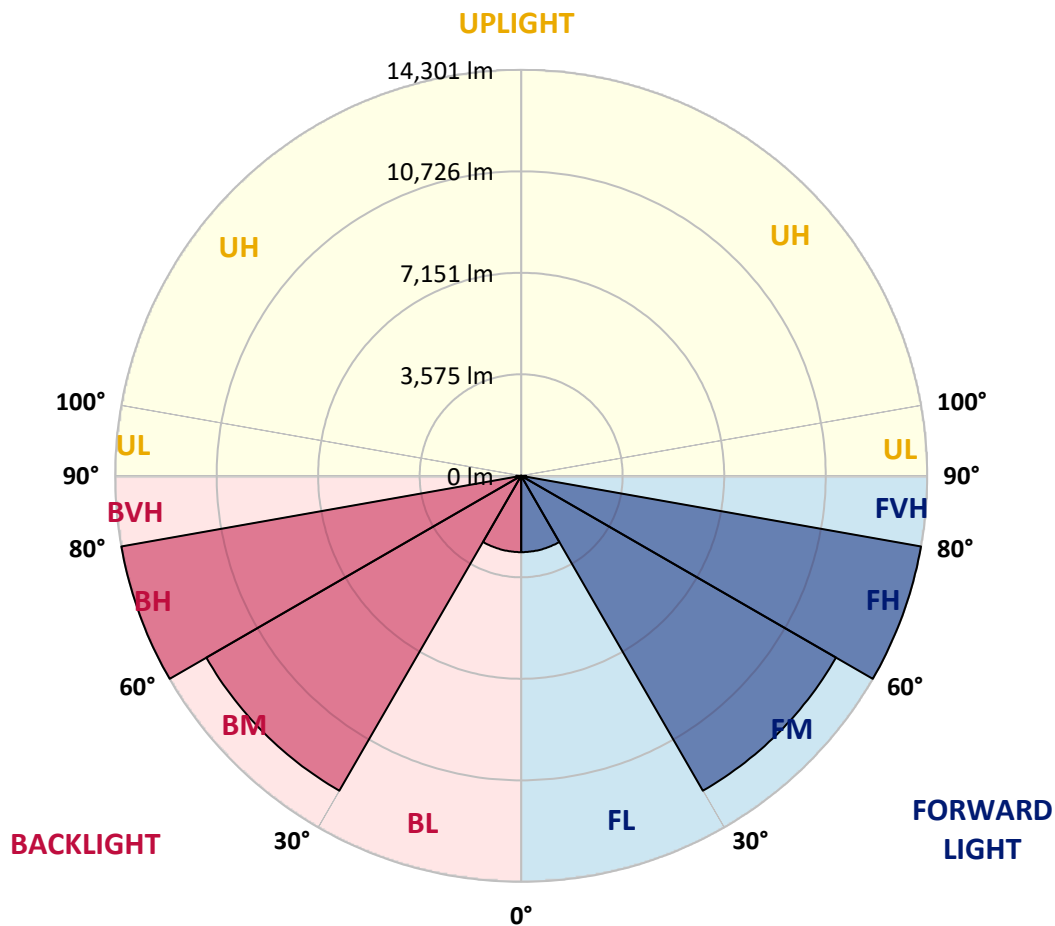
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2689.3	4.5			
FM	(30°-60°)	12808.2	21.4			
FH	(60°-80°)	14301.2	23.9			G5
FVH	(80°-90°)	171.8	0.3			G2/225
BL	(0°-30°)	2689.3	4.5	B4/5000		
BM	(30°-60°)	12808.2	21.4	B5		
BH	(60°-80°)	14301.2	23.9	B5		G5
BVH	(80°-90°)	171.8	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°	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7	5741.7
2.5°	5768.8	5774.8	5762.8	5756.8	5750.8	5741.7	5744.7	5759.8	5771.8	5768.8	5771.8
5°	5817.0	5823.0	5814.0	5810.9	5798.9	5795.9	5795.9	5810.9	5820.0	5814.0	5817.0
7.5°	5871.1	5880.2	5865.1	5862.1	5856.1	5850.1	5847.1	5862.1	5871.1	5871.1	5871.1
10°	5922.3	5931.3	5919.3	5910.2	5904.2	5904.2	5898.2	5910.2	5925.3	5922.3	5922.3
12.5°	5976.5	5982.5	5970.4	5964.4	5964.4	5973.4	5964.4	5970.4	5982.5	5976.5	5973.4
15°	6042.7	6045.7	6042.7	6051.7	6066.7	6096.8	6069.7	6063.7	6069.7	6054.7	6054.7
17.5°	6132.9	6139.0	6151.0	6172.1	6193.1	6247.3	6199.1	6184.1	6184.1	6154.0	6154.0
20°	6244.3	6253.3	6271.4	6307.5	6334.6	6385.7	6337.6	6316.5	6307.5	6268.4	6268.4
22.5°	6361.6	6376.7	6403.8	6451.9	6500.1	6548.2	6500.1	6464.0	6436.9	6385.7	6382.7
25°	6497.1	6515.1	6557.2	6635.5	6701.7	6770.9	6713.7	6641.5	6587.3	6515.1	6512.1
27.5°	6689.7	6710.7	6761.9	6858.2	6942.4	7002.6	6948.5	6855.2	6779.9	6692.7	6689.7
30°	6960.5	6981.6	7041.7	7144.1	7201.2	7240.4	7204.2	7132.0	7041.7	6942.4	6942.4
32.5°	7309.6	7336.7	7402.9	7499.2	7511.2	7517.2	7505.2	7469.1	7402.9	7282.5	7285.5
35°	7751.9	7782.0	7857.3	7935.5	7923.5	7935.5	7917.4	7905.4	7857.3	7718.8	7718.8
37.5°	8293.6	8329.7	8408.0	8468.1	8438.1	8423.0	8426.0	8429.0	8401.9	8248.5	8248.5
40°	8922.5	8970.7	9027.9	9091.1	9039.9	8994.8	9024.9	9048.9	9024.9	8868.4	8868.4
42.5°	9569.5	9638.8	9698.9	9789.2	9747.1	9689.9	9732.0	9759.1	9708.0	9539.5	9551.5
45°	10288.8	10355.0	10433.2	10568.6	10538.5	10478.4	10538.5	10544.6	10457.3	10258.7	10279.7
47.5°	11032.1	11101.3	11218.6	11399.2	11387.2	11321.0	11399.2	11357.1	11245.7	11008.0	10992.9
50°	11736.2	11832.5	12013.1	12265.9	12289.9	12208.7	12314.0	12232.8	12046.2	11748.3	11742.3
52.5°	12398.3	12500.6	12786.5	13129.5	13216.8	13111.5	13252.9	13111.5	12831.6	12449.4	12413.3
55°	13093.4	13207.8	13547.8	13996.2	14170.8	14092.5	14224.9	14011.3	13614.0	13150.6	13087.4
57.5°	13912.0	13981.2	14387.4	14920.1	15215.0	15233.0	15293.2	14932.1	14450.6	13924.0	13851.8
60°	14799.7	14896.0	15338.4	15976.3	16442.8	16593.2	16530.0	15994.4	15434.7	14829.8	14733.5
62.5°	15937.2	16042.5	16572.2	17336.5	18073.8	18447.0	18200.2	17423.8	16731.7	16006.4	15880.0
65°	16879.1	16996.5	17953.4	19316.6	20658.8	21408.1	20788.2	19358.8	18112.9	17089.8	16921.2
67.5°	16196.0	16340.5	17842.1	20345.8	23683.1	25919.0	23797.5	20652.8	18212.2	16824.9	16617.3
70°	14155.7	14291.1	16042.5	19103.0	24534.8	29433.9	25046.3	19665.7	16099.7	14546.9	14339.3
72.5°	9398.0	9834.4	11606.8	15278.2	21907.6	27237.1	22124.3	14968.2	10767.2	9377.0	9073.0
75°	3117.6	3466.7	4676.4	7920.5	14673.3	20369.9	13969.1	7008.6	3704.4	2666.2	2521.8
77.5°	785.4	905.8	1248.9	2266.0	5853.1	11597.8	5269.3	1850.7	1008.1	704.2	628.9
80°	382.2	421.3	601.9	755.3	1465.5	3686.4	1375.2	710.2	475.5	367.1	337.0
82.5°	210.7	213.7	340.0	427.3	544.7	953.9	565.7	415.3	273.8	222.7	222.7
85°	129.4	126.4	180.6	228.7	228.7	340.0	270.8	228.7	156.5	138.4	144.4
87.5°	51.2	51.2	66.2	72.2	63.2	87.3	69.2	75.2	60.2	57.2	60.2
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)