

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: P953066

Luminaire Tested: **GALN-SB6D-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953066
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-SB6D-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58939 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
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

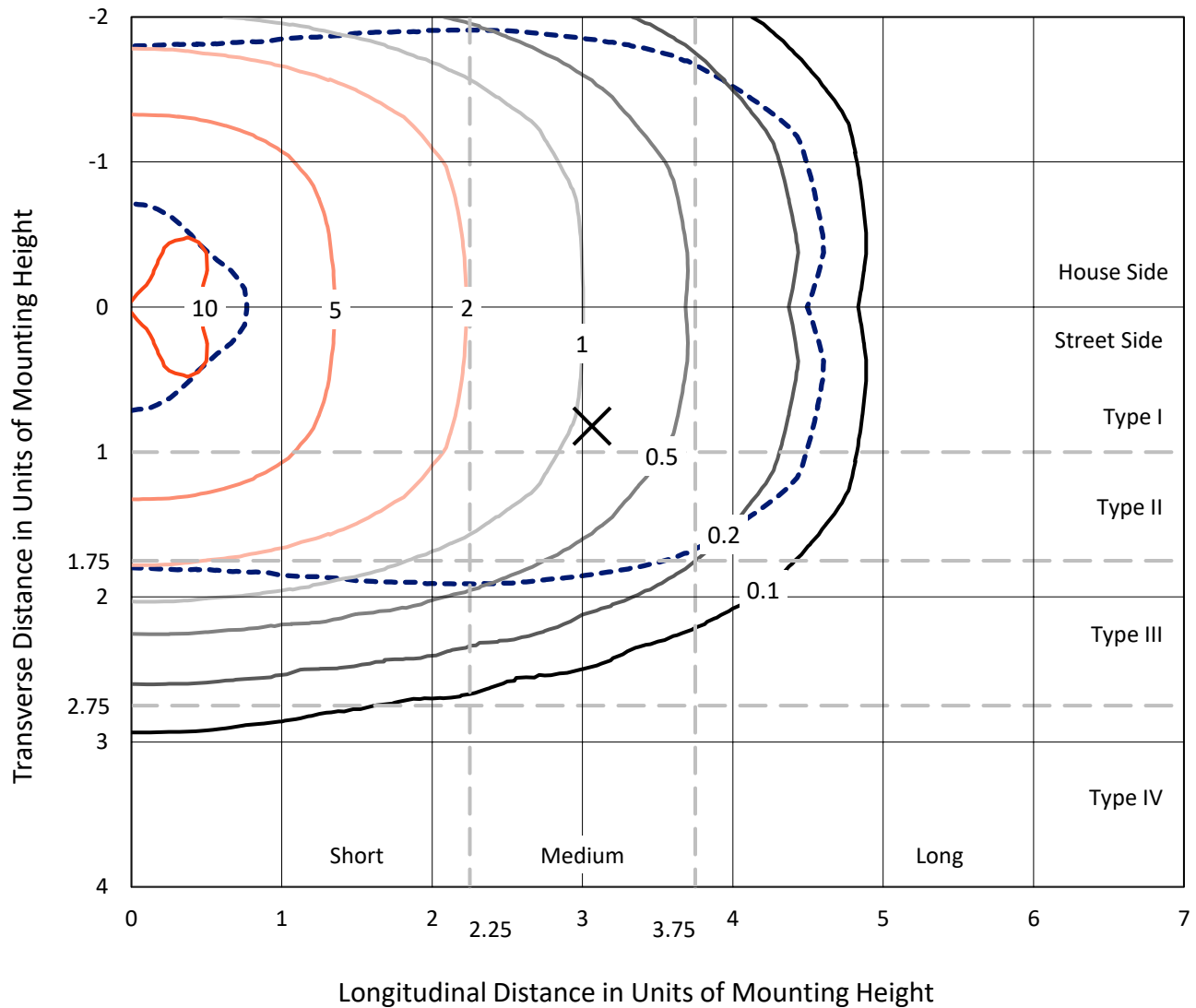


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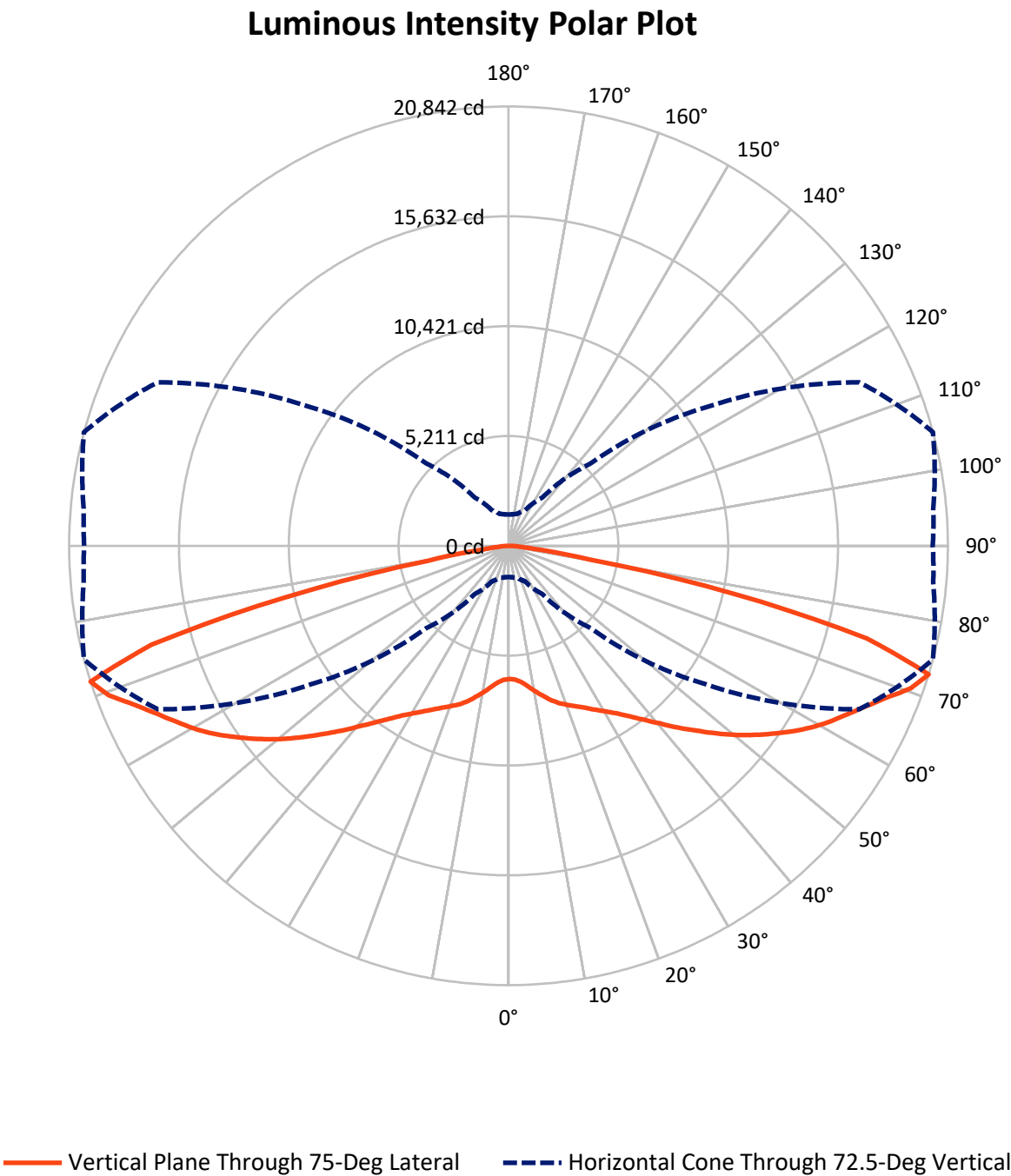
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type III - Medium - N/A

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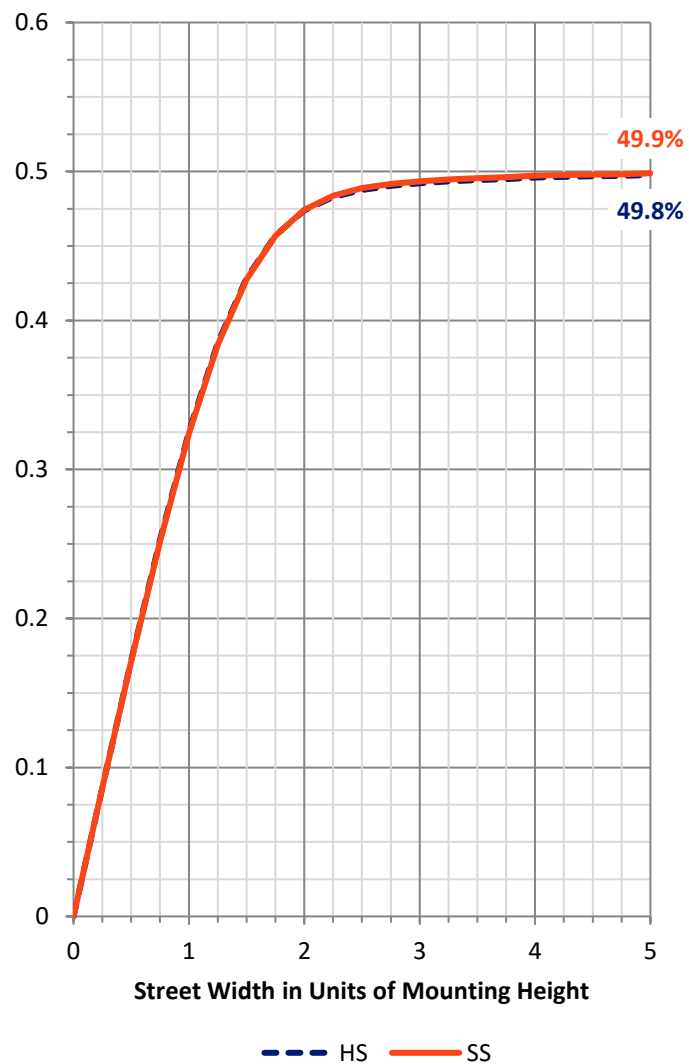
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29469.5	0.0	29469.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29469.5	0.0	29469.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58939.0	0.0	58939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.5	1.0
10°-20°	2039.8	3.5
20°-30°	3941.5	6.7
30°-40°	6655.4	11.3
40°-50°	10554.7	17.9
50°-60°	14131.5	24.0
60°-70°	13448.7	22.8
70°-80°	7017.7	11.9
80°-90°	531.2	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°	58939.0	100.0
0°-180°	58939.0	100.0

Coefficient of Utilization



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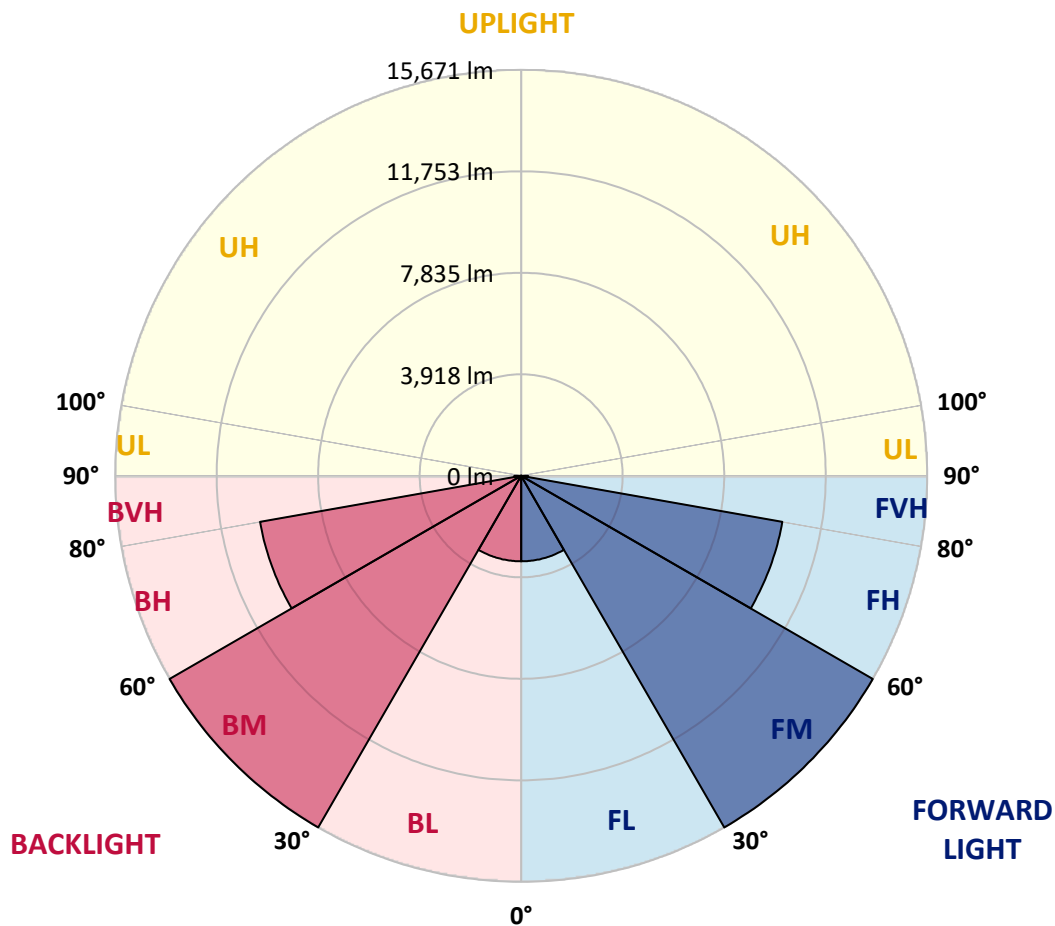
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3299.9	5.6			
FM	(30°-60°)	15670.8	26.6			
FH	(60°-80°)	10233.2	17.4			G4/12000
FVH	(80°-90°)	265.6	0.5			G3/500
BL	(0°-30°)	3299.9	5.6	B4/5000		
BM	(30°-60°)	15670.8	26.6	B5		
BH	(60°-80°)	10233.2	17.4	B5		G5
BVH	(80°-90°)	265.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4	6313.4
2.5°	6313.4	6307.4	6313.4	6319.4	6316.4	6316.4	6331.5	6340.5	6358.6	6355.6	6352.5
5°	6271.3	6268.3	6292.4	6319.4	6340.5	6376.6	6421.8	6454.9	6497.0	6506.0	6506.0
7.5°	6250.2	6241.2	6283.3	6331.5	6397.7	6488.0	6575.2	6665.5	6737.7	6761.8	6767.8
10°	6265.3	6268.3	6325.5	6415.7	6521.1	6647.4	6770.8	6924.3	7026.6	7050.7	7074.8
12.5°	6334.5	6328.5	6424.8	6569.2	6713.7	6873.1	7017.6	7186.1	7297.4	7354.6	7378.7
15°	6460.9	6448.8	6584.3	6797.9	7008.6	7195.1	7312.5	7472.0	7601.4	7673.6	7700.7
17.5°	6611.3	6617.4	6794.9	7071.8	7348.6	7559.3	7670.6	7751.8	7851.2	7914.3	7944.4
20°	6876.2	6888.2	7086.8	7414.8	7730.8	7971.5	8061.8	8031.7	8058.8	8106.9	8143.1
22.5°	7231.2	7237.3	7459.9	7815.0	8146.1	8410.9	8471.1	8347.7	8272.4	8305.6	8329.6
25°	7643.5	7682.6	7905.3	8269.4	8609.5	8862.3	8889.3	8702.8	8516.2	8525.2	8540.3
27.5°	8146.1	8182.2	8407.9	8769.0	9115.0	9334.7	9331.7	9081.9	8808.1	8738.9	8759.9
30°	8690.7	8729.9	8961.6	9334.7	9656.7	9849.3	9807.2	9509.3	9118.0	8988.7	9003.7
32.5°	9337.7	9361.8	9596.5	9969.7	10267.6	10421.1	10333.8	9966.7	9479.2	9331.7	9367.8
35°	10120.1	10156.2	10330.8	10682.9	10944.7	11071.1	10923.6	10490.3	9942.6	9777.1	9801.2
37.5°	11013.9	10989.8	11188.4	11501.4	11718.0	11796.3	11594.7	11080.1	10472.2	10276.6	10312.7
40°	11946.8	11934.7	12151.4	12452.3	12569.7	12617.8	12319.9	11757.2	11083.1	10872.4	10941.7
42.5°	12792.4	12783.3	13075.2	13409.3	13550.7	13496.5	13120.4	12476.4	11790.3	11549.5	11609.7
45°	13469.4	13457.4	13815.5	14284.9	14561.8	14471.5	13966.0	13270.8	12506.5	12256.7	12313.9
47.5°	13990.0	13996.1	14381.2	14962.0	15446.5	15479.6	14829.6	14080.3	13294.9	13012.0	13096.3
50°	14366.2	14384.3	14796.5	15440.5	16102.5	16394.4	15711.3	14910.9	14110.4	13791.4	13887.7
52.5°	14459.5	14492.6	14989.1	15744.4	16523.8	17080.5	16608.1	15708.3	14883.8	14579.9	14658.1
55°	13963.0	14029.2	14658.1	15720.4	16782.6	17531.9	17396.5	16517.8	15663.2	15350.2	15437.5
57.5°	12822.4	12915.7	13650.0	15037.3	16725.5	17841.9	18007.4	17294.2	16442.6	16141.7	16210.9
60°	11224.5	11335.9	12040.0	13553.7	15919.0	17956.2	18437.7	18049.5	17158.8	16866.9	16930.1
62.5°	8814.1	8958.6	9801.2	11576.6	14215.7	17423.6	18804.8	18732.6	17802.8	17438.6	17480.8
65°	5654.4	5807.9	6695.6	8793.1	11943.7	15792.6	18919.2	19397.7	18482.9	17974.3	18037.5
67.5°	3409.5	3478.7	3918.1	5329.4	8729.9	13334.0	17950.2	20134.9	19277.3	18645.4	18693.5
70°	2181.7	2220.8	2482.6	3129.6	4935.2	9728.9	15548.8	20273.4	20240.3	19334.5	19328.5
72.5°	1480.6	1492.6	1561.8	1853.7	2792.6	5528.0	11468.3	18353.5	20842.1	20222.2	20125.9
75°	1083.3	1149.5	1260.9	1312.0	1585.9	2762.5	6572.2	12894.7	17565.0	17835.9	17179.9
77.5°	806.5	809.5	963.0	1023.1	1131.5	1471.5	2780.6	7198.1	10905.5	11450.2	10213.4
80°	683.1	647.0	644.0	824.5	851.6	917.8	1242.8	2485.6	3906.0	2368.3	1790.5
82.5°	568.7	529.6	478.5	644.0	580.8	562.7	538.7	1011.1	1242.8	610.9	520.6
85°	397.2	379.2	361.1	421.3	331.0	282.9	258.8	472.5	523.6	258.8	228.7
87.5°	171.5	177.5	180.6	186.6	138.4	99.3	99.3	132.4	132.4	102.3	75.2
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)