

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: P952349

Luminaire Tested: **GALN-SB6B-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952349
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-SB6B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33189 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 220.4
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



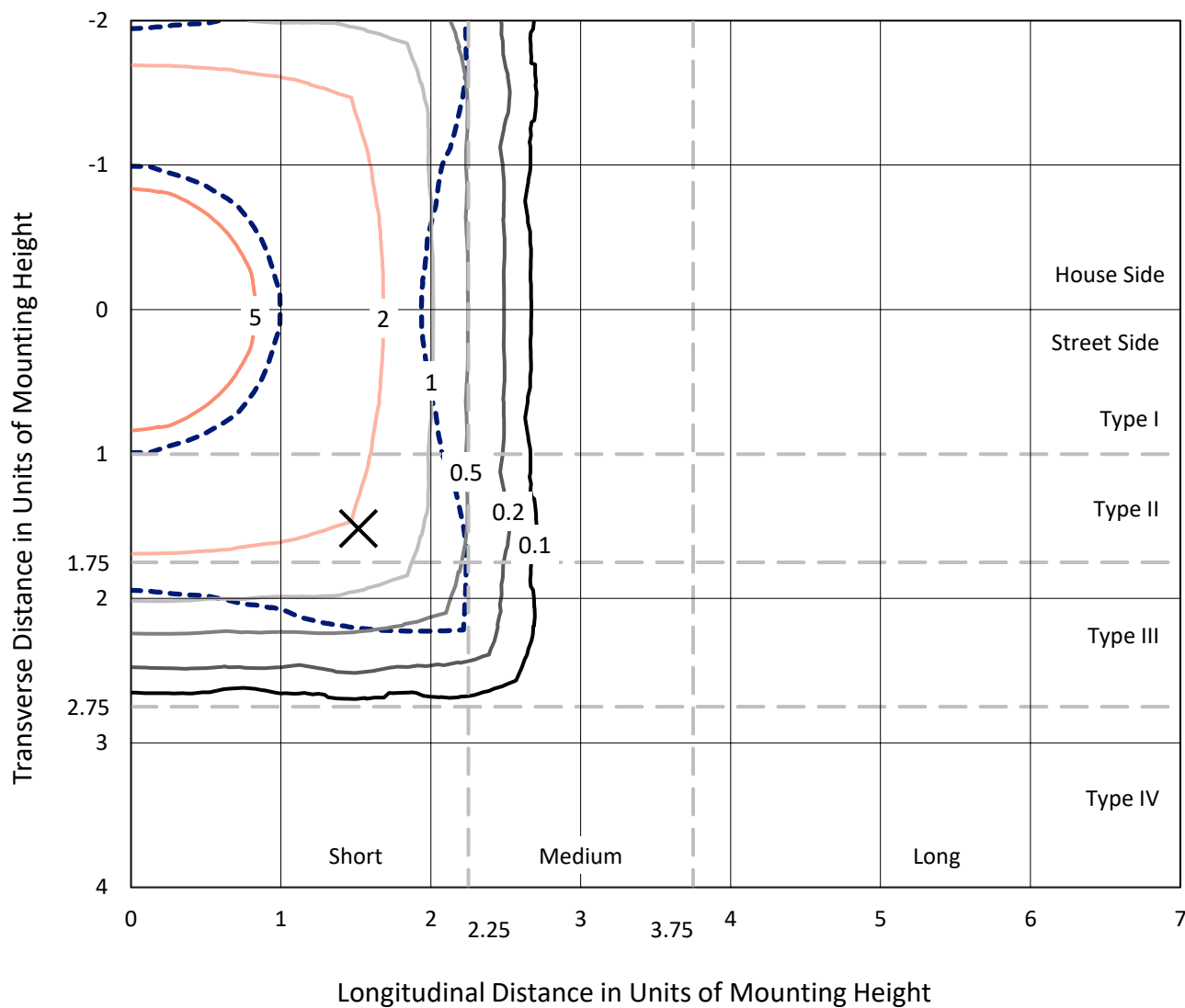
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

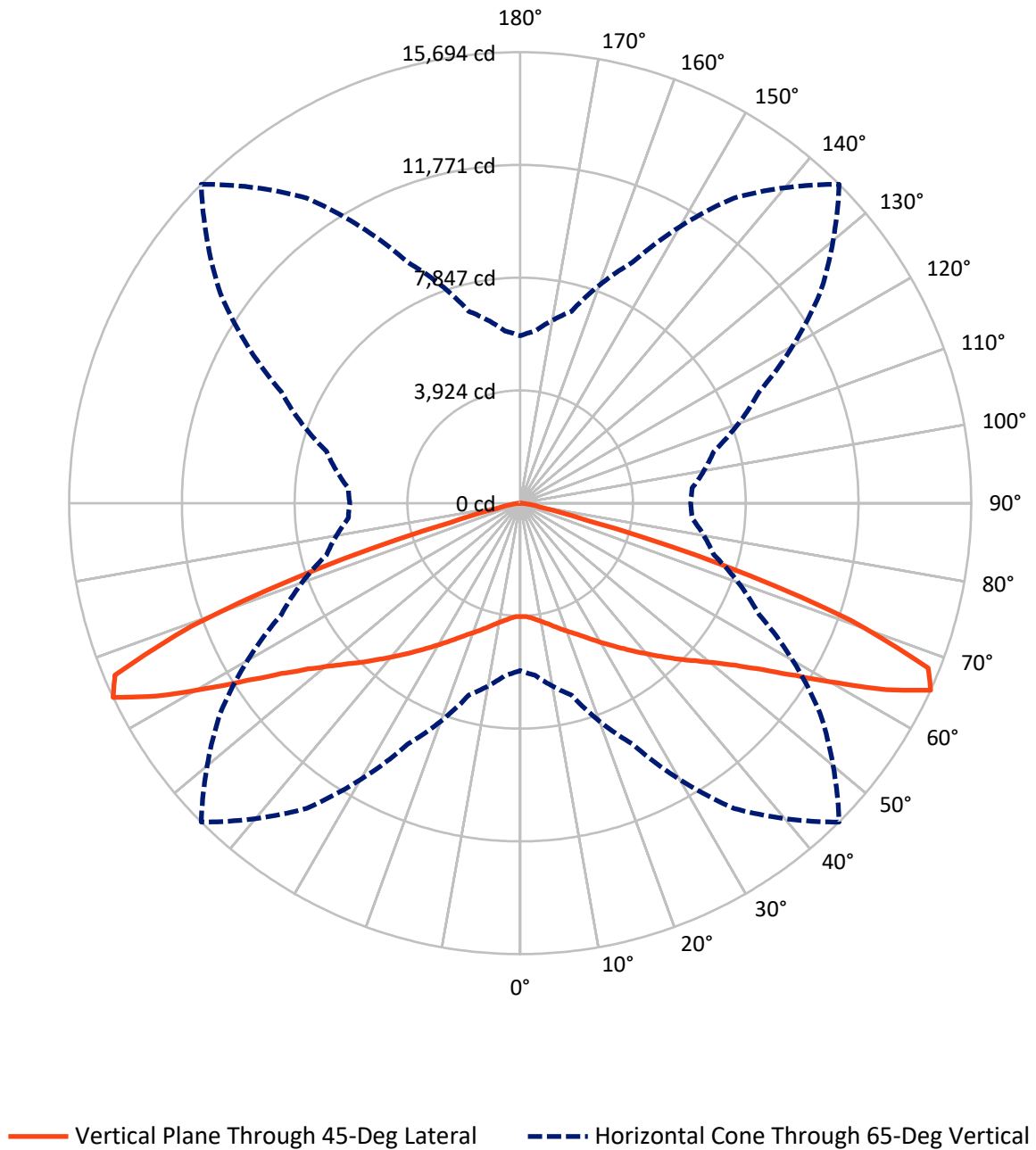


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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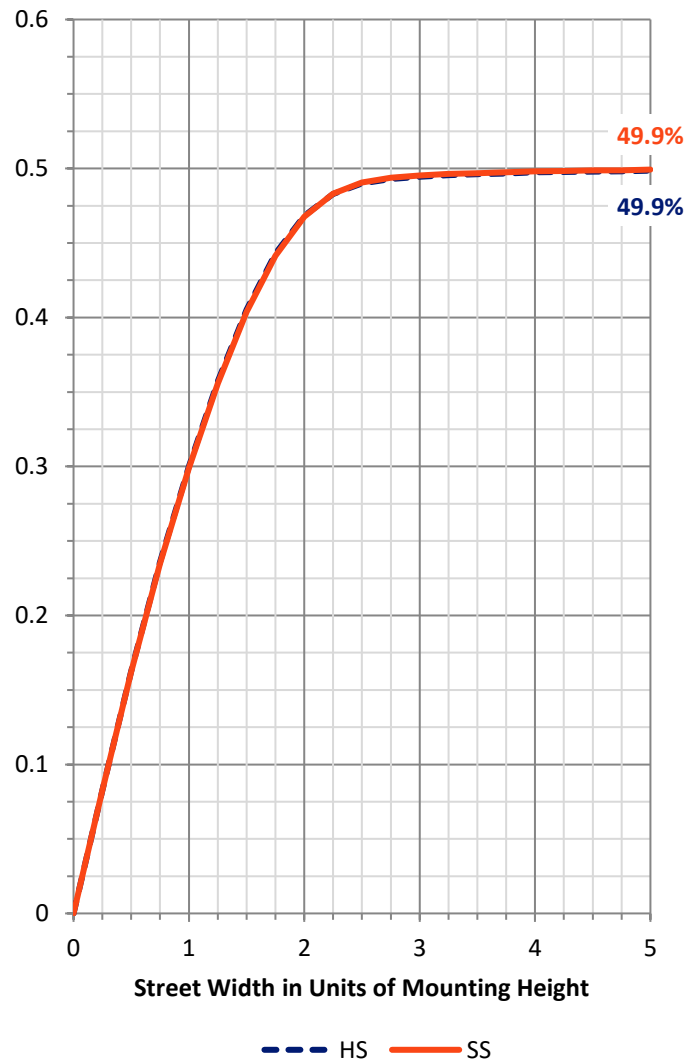
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16594.5	0.0	16594.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16594.5	0.0	16594.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33189.0	0.0	33189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.8	1.2
10°-20°	1272.0	3.8
20°-30°	2401.6	7.2
30°-40°	3932.6	11.8
40°-50°	6097.5	18.4
50°-60°	9007.3	27.1
60°-70°	8574.1	25.8
70°-80°	1383.5	4.2
80°-90°	130.4	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°	33189.0	100.0
0°-180°	33189.0	100.0

Coefficient of Utilization



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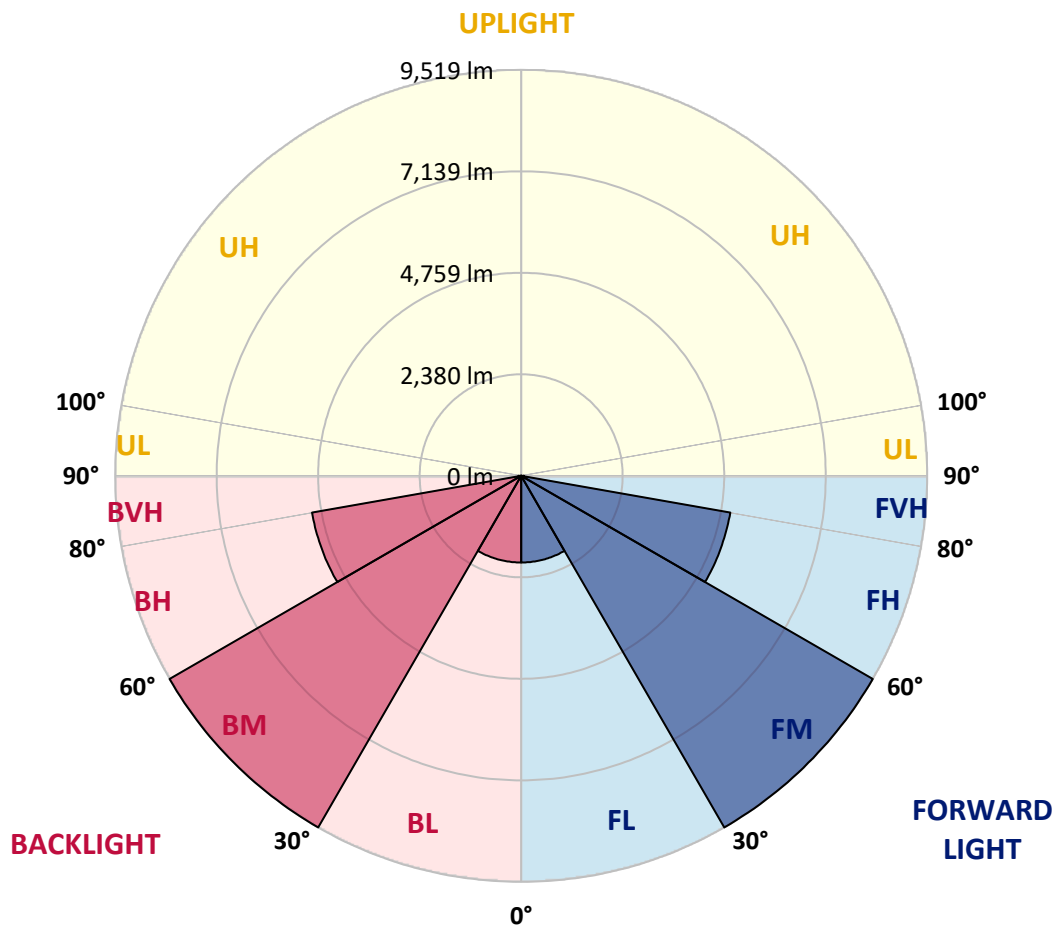
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2031.7	6.1			
FM	(30°-60°)	9518.7	28.7			
FH	(60°-80°)	4978.8	15.0			G2/5000
FVH	(80°-90°)	65.2	0.2			G1/100
BL	(0°-30°)	2031.7	6.1	B3/2500		
BM	(30°-60°)	9518.7	28.7	B5		
BH	(60°-80°)	4978.8	15.0	B4/5000		G2/5000
BVH	(80°-90°)	65.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8	3949.8
2.5°	3976.5	3963.1	3973.1	3964.8	3958.1	3951.5	3954.8	3966.5	3971.5	3973.1	3973.1
5°	4029.8	4018.1	4023.1	4023.1	4011.4	4008.1	4009.8	4018.1	4028.1	4028.1	4028.1
7.5°	4116.3	4104.7	4116.3	4109.7	4099.7	4096.4	4094.7	4101.4	4116.3	4116.3	4111.3
10°	4221.2	4207.9	4214.6	4211.3	4199.6	4194.6	4192.9	4202.9	4216.3	4214.6	4211.3
12.5°	4336.1	4321.2	4329.5	4319.5	4316.2	4311.2	4311.2	4309.5	4317.8	4311.2	4314.5
15°	4464.4	4454.4	4457.7	4451.0	4456.0	4452.7	4439.4	4432.7	4436.1	4426.1	4427.7
17.5°	4615.9	4592.6	4604.2	4600.9	4600.9	4607.6	4585.9	4577.6	4584.3	4574.3	4582.6
20°	4790.7	4767.4	4772.4	4765.8	4757.4	4764.1	4737.5	4744.1	4749.1	4742.5	4757.4
22.5°	4982.2	4952.3	4950.6	4953.9	4935.6	4937.3	4919.0	4935.6	4945.6	4927.3	4945.6
25°	5178.7	5147.1	5168.7	5160.4	5137.1	5142.1	5128.8	5145.4	5153.8	5130.4	5157.1
27.5°	5386.9	5365.2	5385.2	5390.2	5361.9	5381.9	5361.9	5376.9	5385.2	5350.2	5376.9
30°	5630.0	5608.3	5626.7	5640.0	5606.7	5638.3	5621.7	5631.7	5633.3	5591.7	5616.7
32.5°	5894.8	5861.5	5908.1	5914.7	5878.1	5916.4	5894.8	5908.1	5916.4	5859.8	5898.1
35°	6217.8	6176.2	6229.5	6221.1	6189.5	6221.1	6201.2	6221.1	6241.1	6172.8	6214.5
37.5°	6565.8	6522.5	6579.2	6564.2	6534.2	6555.8	6544.2	6557.5	6589.1	6515.9	6560.8
40°	6948.8	6895.5	6972.1	6945.5	6917.2	6913.9	6920.5	6928.8	6970.5	6888.9	6915.5
42.5°	7358.5	7301.8	7416.7	7375.1	7335.1	7308.5	7330.2	7346.8	7386.8	7295.2	7343.5
45°	7826.4	7761.4	7911.3	7861.3	7798.1	7743.1	7778.1	7803.1	7861.3	7751.4	7808.1
47.5°	8342.6	8269.3	8429.2	8414.2	8310.9	8191.1	8271.0	8342.6	8385.9	8252.7	8297.6
50°	8847.1	8790.5	9000.3	9018.7	8892.1	8723.9	8835.5	8943.7	8955.4	8780.5	8802.2
52.5°	9320.1	9263.4	9568.2	9683.1	9569.8	9370.0	9488.2	9598.1	9509.9	9283.4	9290.1
55°	9698.0	9651.4	10039.4	10335.8	10374.1	10209.3	10279.2	10275.9	9986.1	9638.1	9649.8
57.5°	9789.6	9783.0	10272.5	10900.3	11300.0	11319.9	11181.7	10828.7	10204.3	9736.3	9706.4
60°	9373.3	9415.0	10087.7	11195.1	12260.8	12703.7	12105.9	11098.5	9956.2	9306.7	9230.1
62.5°	8127.8	8237.7	9048.6	10835.4	13036.7	14295.6	12846.9	10688.8	8937.1	8089.5	8039.5
65°	5824.8	6016.3	6912.2	9246.8	12966.8	15694.4	12740.3	9171.8	6978.8	6001.3	5929.7
67.5°	2642.7	2837.5	3598.5	6331.0	11271.6	15314.7	11245.0	6397.6	3778.3	2847.5	2805.8
70°	957.5	990.8	1235.6	2534.4	7203.6	12202.5	7511.7	2552.7	1313.8	1055.7	1042.4
72.5°	579.5	584.5	636.1	907.5	2502.8	7408.4	2609.3	937.5	649.4	576.2	586.1
75°	368.0	364.7	452.9	554.5	887.5	2499.4	930.8	554.5	451.3	411.3	414.6
77.5°	264.8	273.1	324.7	414.6	559.5	847.6	549.5	396.3	324.7	266.4	271.4
80°	198.2	203.2	236.5	323.0	393.0	527.9	349.7	293.1	244.8	166.5	171.5
82.5°	143.2	143.2	154.9	234.8	239.8	284.7	189.8	206.5	161.5	118.2	118.2
85°	84.9	83.3	96.6	139.9	124.9	104.9	86.6	126.6	101.6	73.3	71.6
87.5°	30.0	31.6	30.0	40.0	33.3	28.3	26.6	35.0	28.3	25.0	23.3
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)