

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: P951613

Luminaire Tested: **GALN-SB5D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951613
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-SB5D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 44471 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

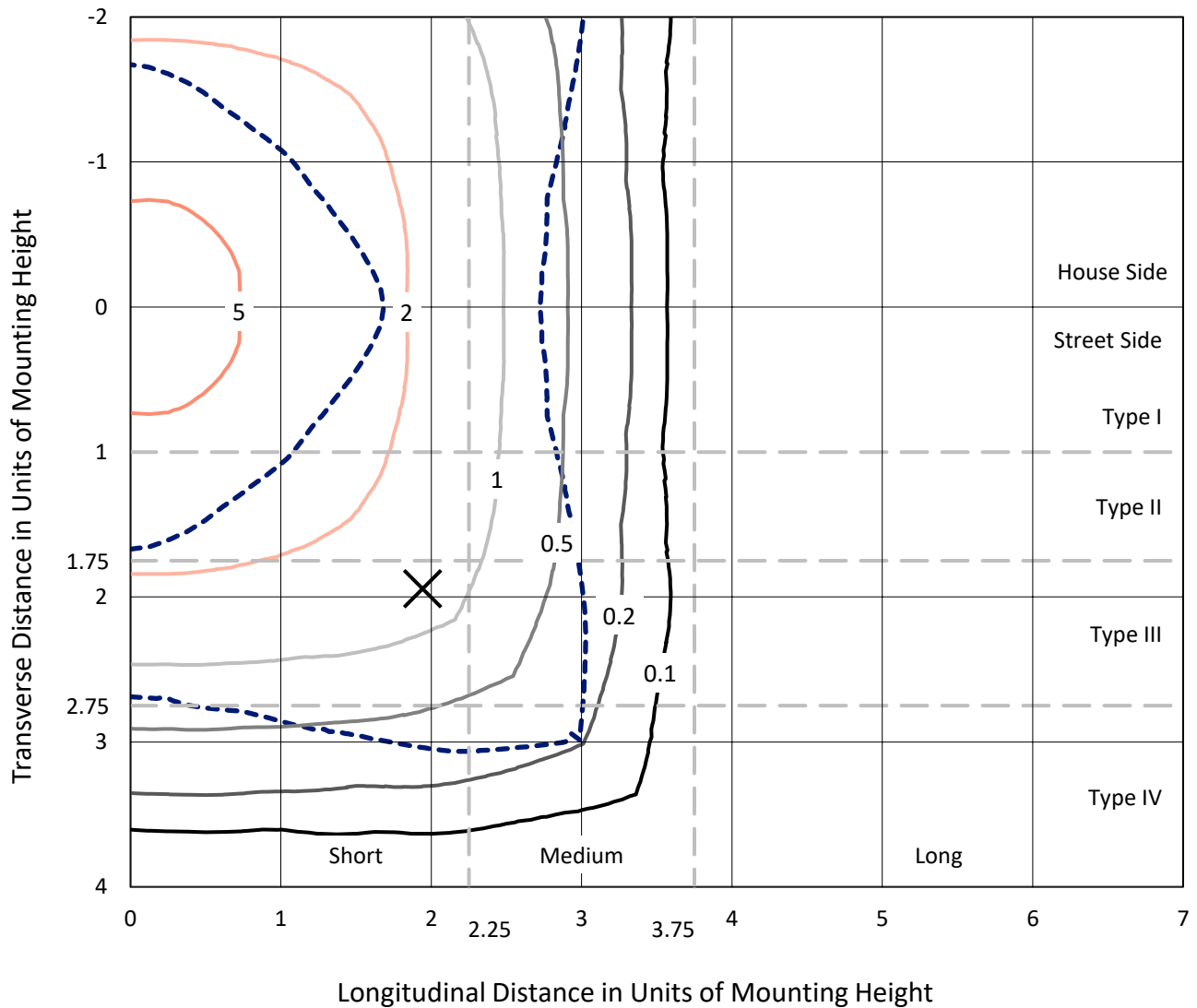
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

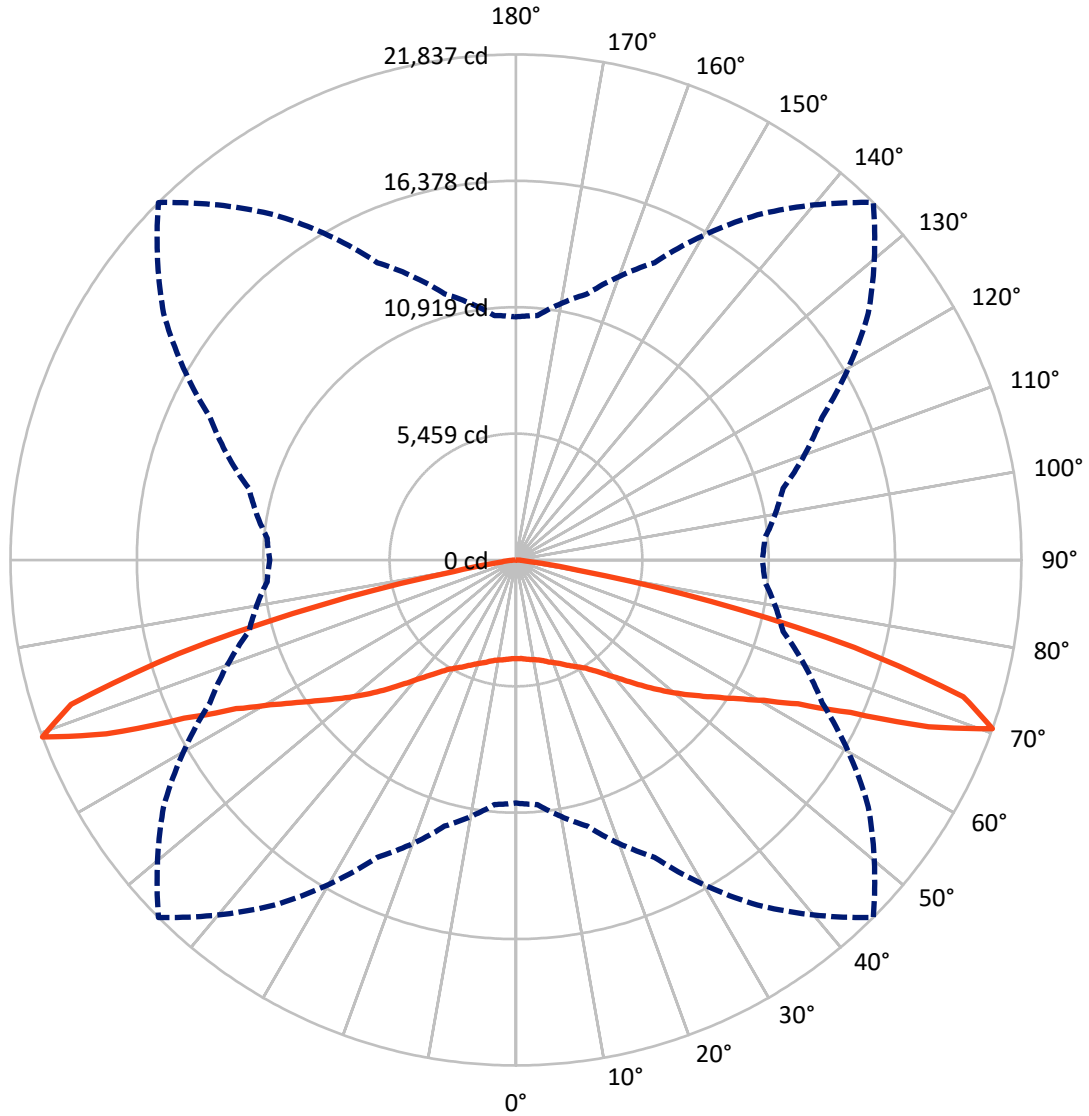
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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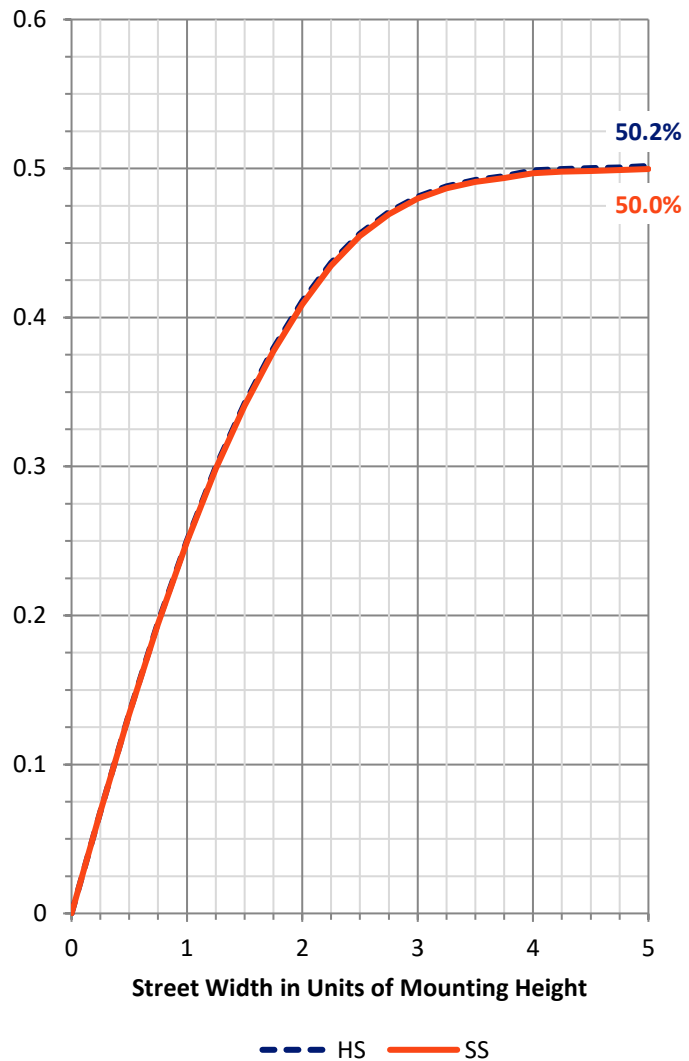
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22235.5	0.0	22235.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22235.5	0.0	22235.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44471.0	0.0	44471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	0.9
10°-20°	1283.3	2.9
20°-30°	2293.4	5.2
30°-40°	3717.6	8.4
40°-50°	6055.3	13.6
50°-60°	9232.3	20.8
60°-70°	13734.7	30.9
70°-80°	7485.8	16.8
80°-90°	254.9	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°	44471.0	100.0
0°-180°	44471.0	100.0

Coefficient of Utilization



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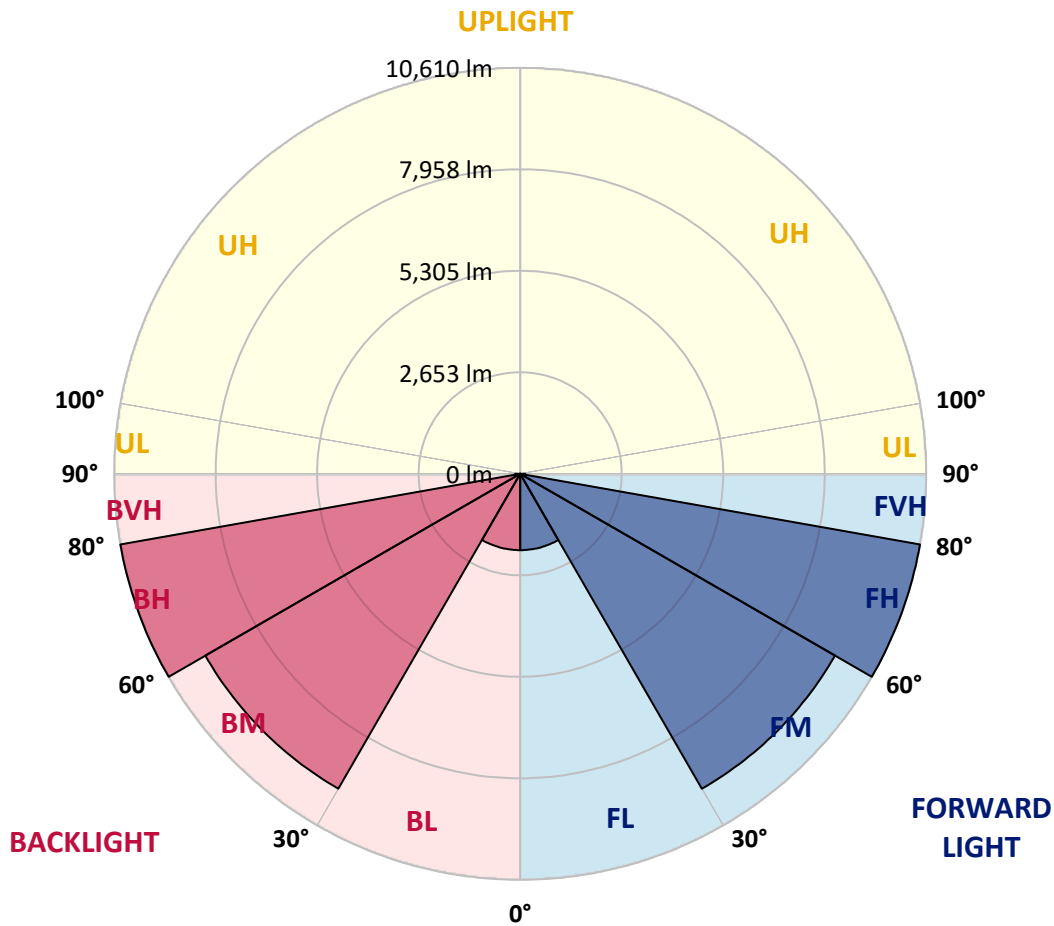
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1995.3	4.5			
FM (30°-60°)	9502.5	21.4			
FH (60°-80°)	10610.2	23.9			G4/12000
FVH (80°-90°)	127.5	0.3			G2/225
BL (0°-30°)	1995.3	4.5	B3/2500		
BM (30°-60°)	9502.5	21.4	B5		
BH (60°-80°)	10610.2	23.9	B5		G4/12000
BVH (80°-90°)	127.5	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9	4259.9
2.5°	4280.0	4284.4	4275.5	4271.0	4266.6	4259.9	4262.1	4273.3	4282.2	4280.0	4282.2
5°	4315.7	4320.1	4313.4	4311.2	4302.3	4300.0	4300.0	4311.2	4317.9	4313.4	4315.7
7.5°	4355.9	4362.6	4351.4	4349.2	4344.7	4340.2	4338.0	4349.2	4355.9	4355.9	4355.9
10°	4393.8	4400.5	4391.6	4384.9	4380.4	4380.4	4376.0	4384.9	4396.1	4393.8	4393.8
12.5°	4434.0	4438.5	4429.5	4425.1	4425.1	4431.8	4425.1	4429.5	4438.5	4434.0	4431.8
15°	4483.1	4485.4	4483.1	4489.8	4501.0	4523.3	4503.2	4498.8	4503.2	4492.1	4492.1
17.5°	4550.1	4554.6	4563.5	4579.1	4594.8	4634.9	4599.2	4588.1	4588.1	4565.7	4565.7
20°	4632.7	4639.4	4652.8	4679.6	4699.7	4737.6	4701.9	4686.3	4679.6	4650.6	4650.6
22.5°	4719.8	4730.9	4751.0	4786.8	4822.5	4858.2	4822.5	4795.7	4775.6	4737.6	4735.4
25°	4820.3	4833.6	4864.9	4923.0	4972.1	5023.4	4981.0	4927.4	4887.2	4833.6	4831.4
27.5°	4963.1	4978.8	5016.7	5088.2	5150.7	5195.3	5155.1	5085.9	5030.1	4965.4	4963.1
30°	5164.1	5179.7	5224.4	5300.3	5342.7	5371.7	5344.9	5291.3	5224.4	5150.7	5150.7
32.5°	5423.1	5443.2	5492.3	5563.7	5572.6	5577.1	5568.2	5541.4	5492.3	5403.0	5405.2
35°	5751.3	5773.6	5829.4	5887.5	5878.5	5887.5	5874.1	5865.1	5829.4	5726.7	5726.7
37.5°	6153.1	6179.9	6238.0	6282.6	6260.3	6249.1	6251.4	6253.6	6233.5	6119.6	6119.6
40°	6619.8	6655.5	6697.9	6744.8	6706.8	6673.3	6695.7	6713.5	6695.7	6579.6	6579.6
42.5°	7099.8	7151.1	7195.8	7262.8	7231.5	7189.1	7220.3	7240.4	7202.5	7077.4	7086.4
45°	7633.4	7682.5	7740.5	7841.0	7818.7	7774.0	7818.7	7823.1	7758.4	7611.0	7626.7
47.5°	8184.8	8236.2	8323.3	8457.2	8448.3	8399.2	8457.2	8426.0	8343.3	8167.0	8155.8
50°	8707.3	8778.7	8912.7	9100.2	9118.1	9057.8	9135.9	9075.6	8937.2	8716.2	8711.7
52.5°	9198.4	9274.4	9486.5	9741.0	9805.7	9727.6	9832.5	9727.6	9519.9	9236.4	9209.6
55°	9714.2	9799.0	10051.3	10384.0	10513.5	10455.4	10553.7	10395.1	10100.4	9756.6	9709.7
57.5°	10321.5	10372.8	10674.2	11069.4	11288.2	11301.6	11346.2	11078.3	10721.1	10330.4	10276.8
60°	10980.1	11051.5	11379.7	11853.0	12199.1	12310.7	12263.8	11866.4	11451.2	11002.4	10931.0
62.5°	11824.0	11902.2	12295.1	12862.2	13409.2	13686.0	13503.0	12926.9	12413.4	11875.4	11781.6
65°	12522.8	12609.9	13319.9	14331.3	15327.0	15882.9	15423.0	14362.5	13438.2	12679.1	12554.1
67.5°	12016.0	12123.2	13237.3	15094.8	17570.8	19229.7	17655.7	15322.6	13511.9	12482.6	12328.6
70°	10502.3	10602.8	11902.2	14172.7	18202.6	21837.4	18582.2	14590.2	11944.6	10792.5	10638.5
72.5°	6972.5	7296.2	8611.3	11335.1	16253.6	20207.6	16414.3	11105.1	7988.4	6956.9	6731.4
75°	2313.0	2572.0	3469.5	5876.3	10886.3	15112.7	10363.9	5199.8	2748.4	1978.1	1870.9
77.5°	582.7	672.0	926.5	1681.2	4342.5	8604.6	3909.3	1373.1	747.9	522.4	466.6
80°	283.5	312.6	446.5	560.4	1087.3	2735.0	1020.3	526.9	352.8	272.4	250.1
82.5°	156.3	158.5	252.3	317.0	404.1	707.7	419.7	308.1	203.2	165.2	165.2
85°	96.0	93.8	134.0	169.7	169.7	252.3	200.9	169.7	116.1	102.7	107.2
87.5°	38.0	38.0	49.1	53.6	46.9	64.7	51.4	55.8	44.7	42.4	44.7
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)