

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: P948821

Luminaire Tested: **GALN-SB3D-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948821
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-SB3D-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31994 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

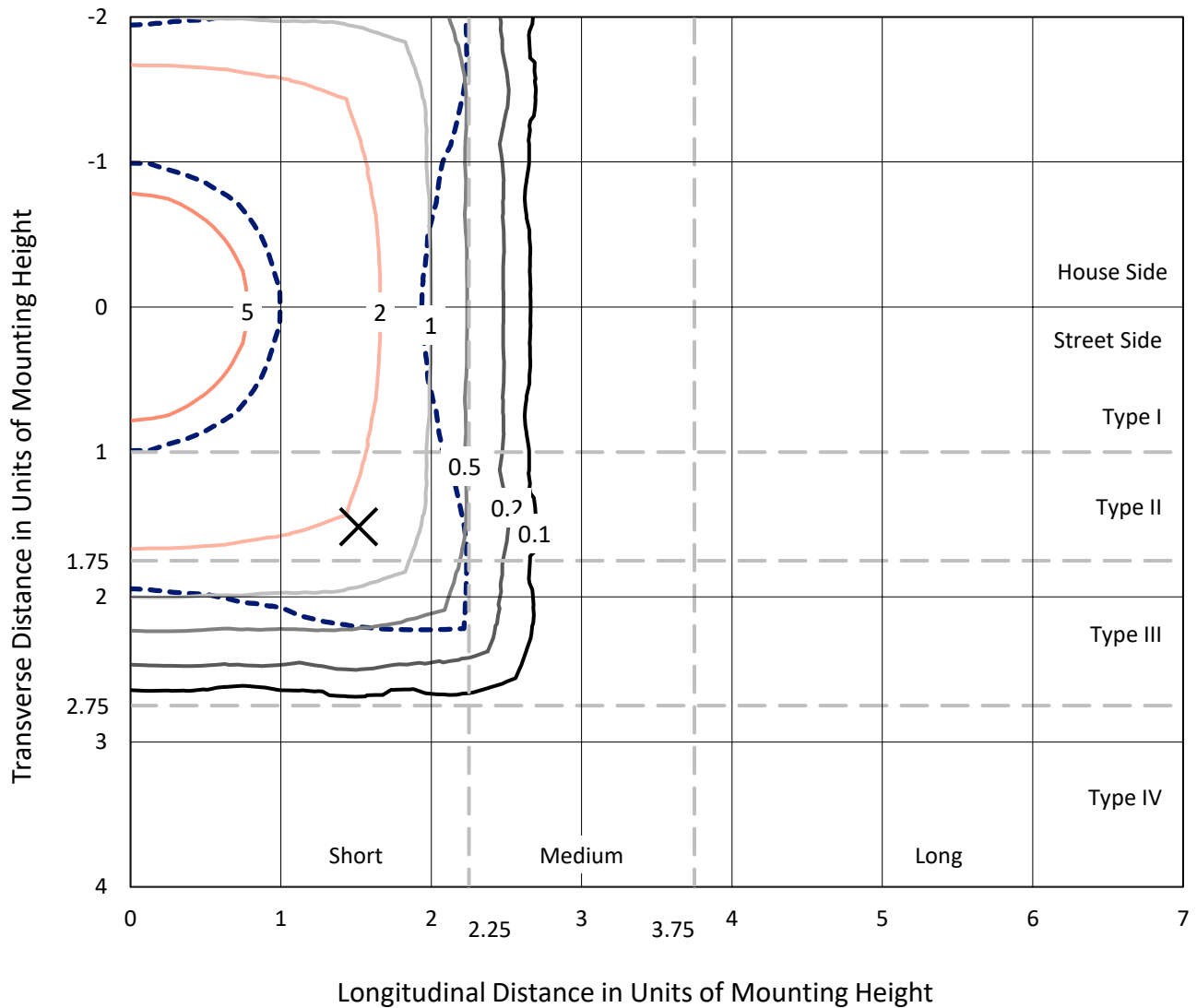
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

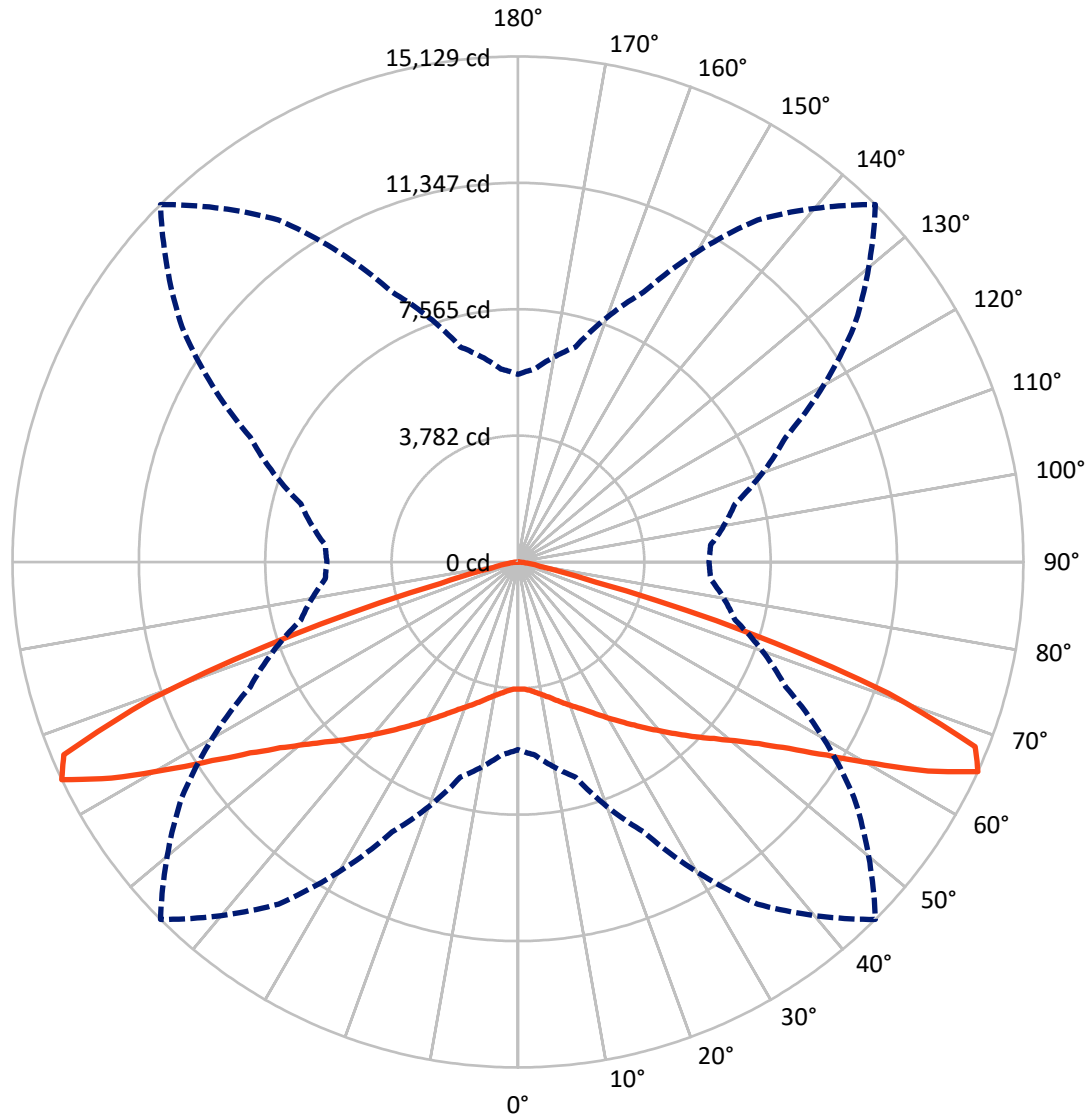
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15997.0	0.0	15997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15997.0	0.0	15997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31994.0	0.0	31994.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.8	1.2
10°-20°	1226.2	3.8
20°-30°	2315.2	7.2
30°-40°	3791.0	11.8
40°-50°	5878.0	18.4
50°-60°	8683.0	27.1
60°-70°	8265.4	25.8
70°-80°	1333.7	4.2
80°-90°	125.7	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°	31994.0	100.0
0°-180°	31994.0	100.0



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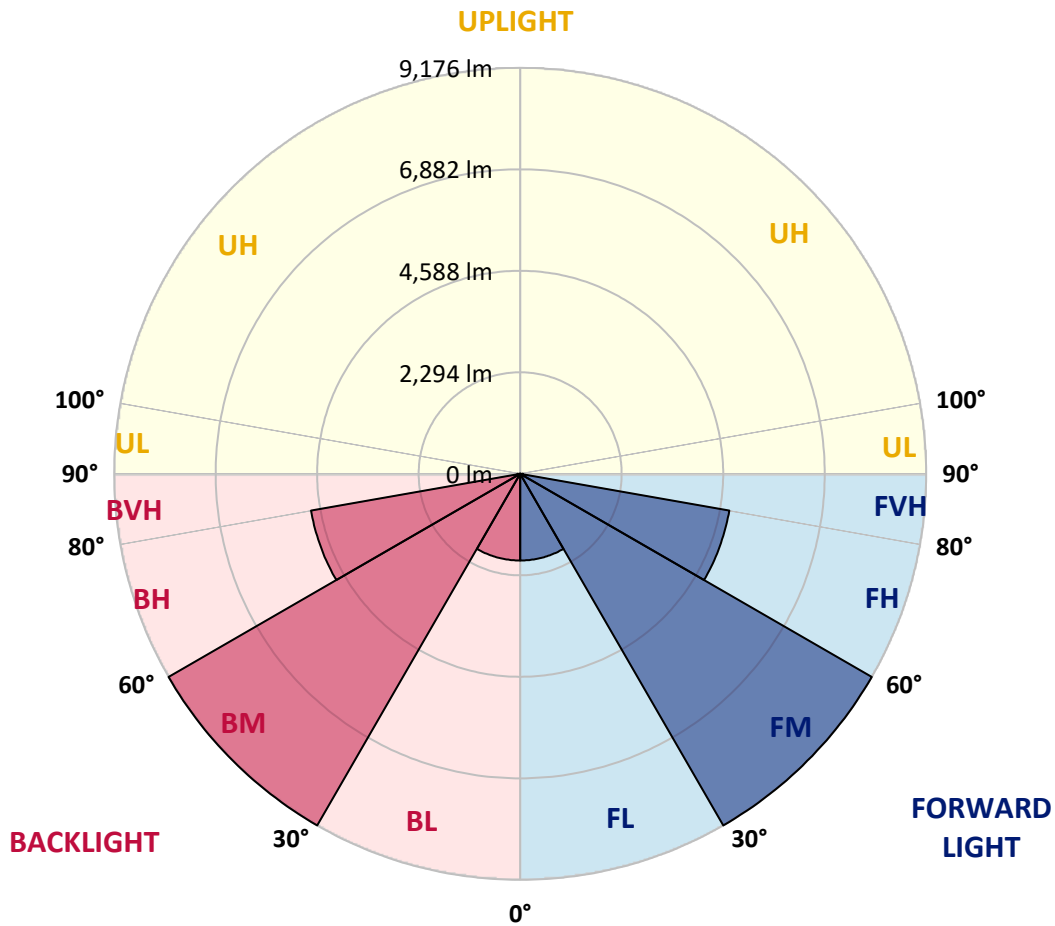
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1958.6	6.1			
FM (30°-60°)	9176.0	28.7			
FH (60°-80°)	4799.6	15.0			G2/5000
FVH (80°-90°)	62.9	0.2			G1/100
BL (0°-30°)	1958.6	6.1	B3/2500		
BM (30°-60°)	9176.0	28.7	B5		
BH (60°-80°)	4799.6	15.0	B4/5000		G2/5000
BVH (80°-90°)	62.9	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°
0°	3807.6	3807.6	3807.6	3807.6	3807.6	3807.6	3807.6	3807.6	3807.6	3807.6
2.5°	3833.3	3820.4	3830.1	3822.1	3815.6	3809.2	3812.4	3823.7	3828.5	3830.1
5°	3884.7	3873.4	3878.2	3878.2	3867.0	3863.8	3865.4	3873.4	3883.1	3883.1
7.5°	3968.1	3956.9	3968.1	3961.7	3952.1	3948.9	3947.3	3953.7	3968.1	3968.1
10°	4069.3	4056.4	4062.8	4059.6	4048.4	4043.6	4042.0	4051.6	4064.4	4062.8
12.5°	4180.0	4165.6	4173.6	4164.0	4160.8	4155.9	4155.9	4154.3	4162.4	4155.9
15°	4303.6	4294.0	4297.2	4290.8	4295.6	4292.4	4279.5	4273.1	4276.3	4266.7
17.5°	4449.7	4427.2	4438.5	4435.3	4435.3	4441.7	4420.8	4412.8	4419.2	4409.6
20°	4618.2	4595.8	4600.6	4594.2	4586.1	4592.6	4566.9	4573.3	4578.1	4571.7
22.5°	4802.8	4774.0	4772.3	4775.6	4757.9	4759.5	4741.8	4757.9	4767.5	4749.9
25°	4992.3	4961.8	4982.6	4974.6	4952.1	4957.0	4944.1	4960.2	4968.2	4945.7
27.5°	5192.9	5172.1	5191.3	5196.1	5168.8	5188.1	5168.8	5183.3	5191.3	5157.6
30°	5427.3	5406.4	5424.1	5436.9	5404.8	5435.3	5419.3	5428.9	5430.5	5390.4
32.5°	5682.5	5650.4	5695.4	5701.8	5666.5	5703.4	5682.5	5695.4	5703.4	5648.8
35°	5993.9	5953.8	6005.2	5997.1	5966.6	5997.1	5977.9	5997.1	6016.4	5950.6
37.5°	6329.4	6287.7	6342.3	6327.8	6298.9	6319.8	6308.6	6321.4	6351.9	6281.3
40°	6698.6	6647.3	6721.1	6695.4	6668.1	6664.9	6671.3	6679.4	6719.5	6640.8
42.5°	7093.5	7038.9	7149.7	7109.6	7071.0	7045.4	7066.2	7082.3	7120.8	7032.5
45°	7544.6	7482.0	7626.4	7578.3	7517.3	7464.3	7498.0	7522.1	7578.3	7472.3
47.5°	8042.2	7971.6	8125.7	8111.2	8011.7	7896.1	7973.2	8042.2	8083.9	7955.5
50°	8528.6	8474.0	8676.3	8693.9	8571.9	8409.8	8517.4	8621.7	8632.9	8464.4
52.5°	8984.5	8929.9	9223.7	9334.4	9225.3	9032.6	9146.6	9252.5	9167.5	8949.2
55°	9348.9	9303.9	9677.9	9963.7	10000.6	9841.7	9909.1	9905.9	9626.6	9291.1
57.5°	9437.1	9430.7	9902.7	10507.8	10893.1	10912.4	10779.1	10438.8	9836.9	9385.8
60°	9035.8	9076.0	9724.5	10792.0	11819.3	12246.3	11670.0	10698.9	9597.7	8971.6
62.5°	7835.1	7941.1	8722.8	10445.2	12567.3	13780.9	12384.4	10304.0	8615.3	7798.2
65°	5615.1	5799.7	6663.3	8913.8	12499.9	15129.3	12281.6	8841.6	6727.5	5785.2
67.5°	2547.5	2735.3	3468.9	6103.1	10865.8	14763.3	10840.1	6167.3	3642.3	2744.9
70°	923.0	955.1	1191.1	2443.2	6944.2	11763.1	7241.2	2460.8	1266.5	1017.7
72.5°	558.6	563.4	613.2	874.9	2412.7	7141.7	2515.4	903.7	626.0	555.4
75°	354.8	351.5	436.6	534.5	855.6	2409.5	897.3	534.5	435.0	396.5
77.5°	255.2	263.3	313.0	399.7	539.4	817.1	529.7	382.0	313.0	256.8
80°	191.0	195.8	227.9	311.4	378.8	508.9	337.1	282.5	236.0	160.5
82.5°	138.0	138.0	149.3	226.3	231.2	274.5	183.0	199.0	155.7	114.0
85°	81.9	80.3	93.1	134.8	120.4	101.1	83.5	122.0	97.9	70.6
87.5°	28.9	30.5	28.9	38.5	32.1	27.3	25.7	33.7	27.3	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3807.6
3830.1
3883.1
3963.3
4059.6
4159.2
4268.3
4417.6
4586.1
4767.5
4971.4
5183.3
5414.4
5685.7
5990.7
6324.6
6666.5
7079.1
7526.9
7998.9
8485.2
8955.6
9302.3
9356.9
8897.8
7750.1
5716.2
2704.8
1004.9
565.0
399.7
261.7
165.3
114.0
69.0
22.5
0.0

OF REPORT)