

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: P948820

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948820  
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-SB3D-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

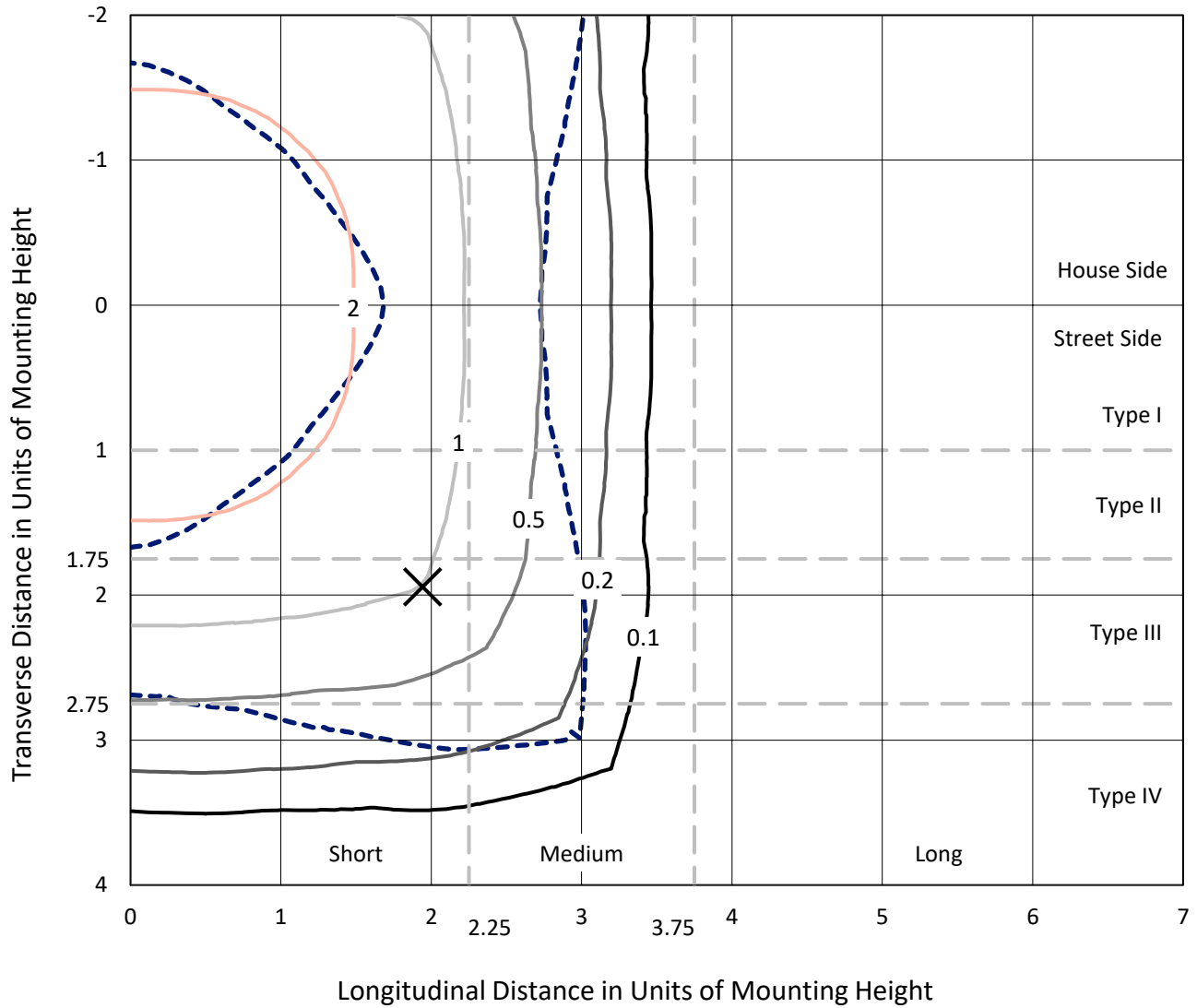
Lumens per Lamp: N/A  
Luminaire Lumens: 31975 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

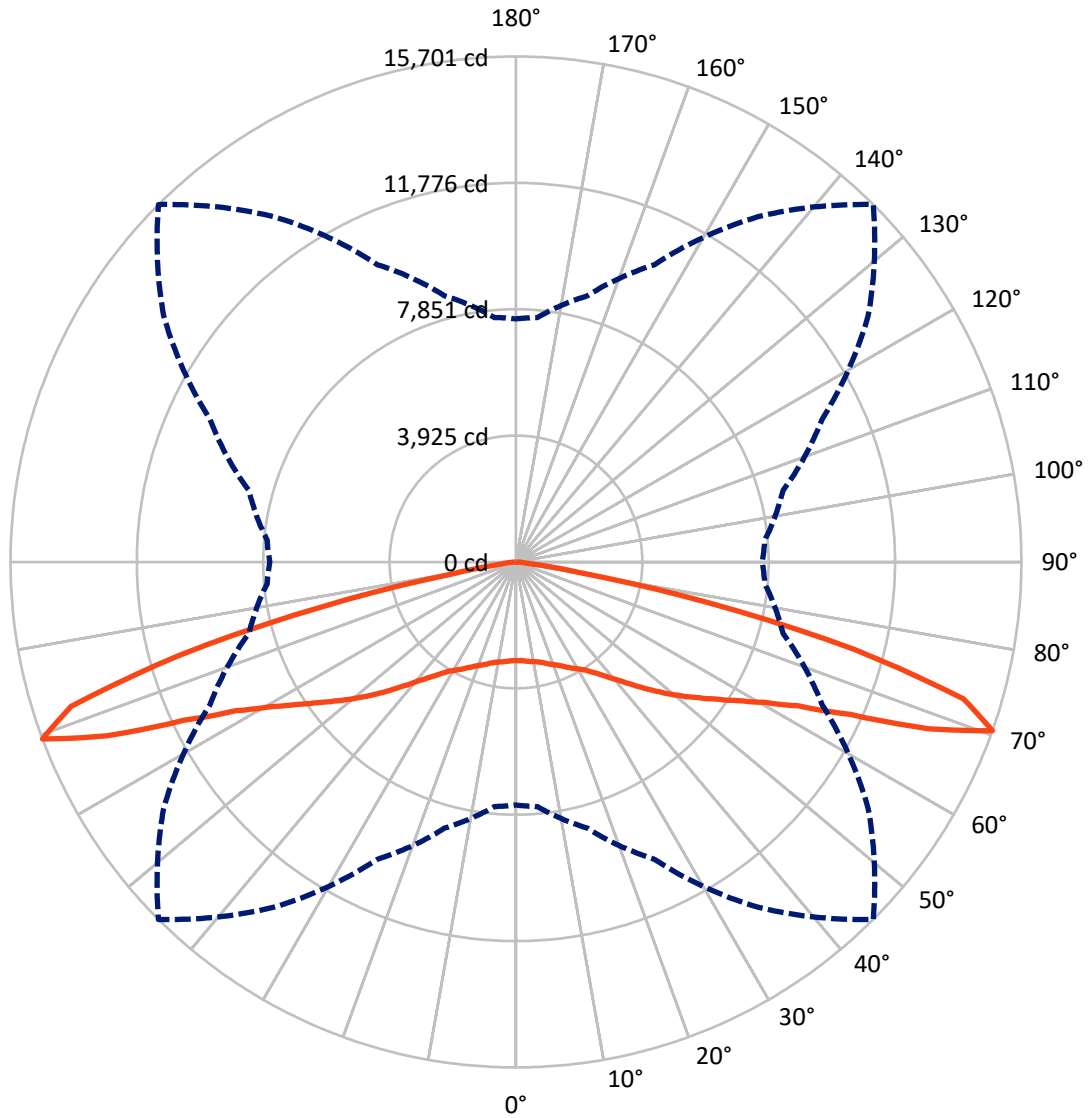
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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
<b>House Side</b>	Lumens	15987.5	0.0	15987.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15987.5	0.0	15987.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31975.0	0.0	31975.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.6	0.9
10°-20°	922.7	2.9
20°-30°	1649.0	5.2
30°-40°	2673.0	8.4
40°-50°	4353.8	13.6
50°-60°	6638.1	20.8
60°-70°	9875.3	30.9
70°-80°	5382.4	16.8
80°-90°	183.3	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°	31975.0	100.0
0°-180°	31975.0	100.0

**Coefficient of Utilization**



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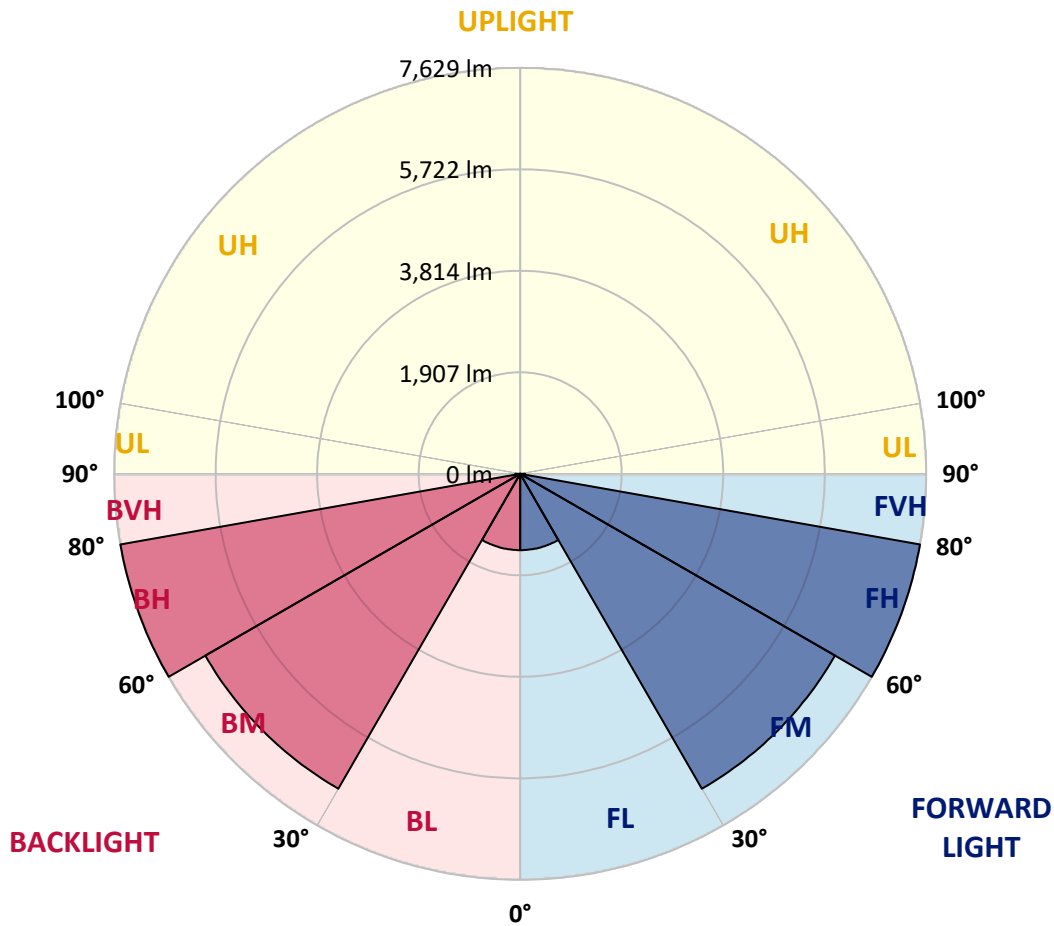
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1434.6	4.5			
FM (30°-60°)	6832.4	21.4			
FH (60°-80°)	7628.8	23.9			G4/12000
FVH (80°-90°)	91.6	0.3			G1/100
BL (0°-30°)	1434.6	4.5	B3/2500		
BM (30°-60°)	6832.4	21.4	B4/8500		
BH (60°-80°)	7628.8	23.9	B5		G4/12000
BVH (80°-90°)	91.6	0.3			G1/100
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°
0°	3062.9	3062.9	3062.9	3062.9	3062.9	3062.9	3062.9	3062.9	3062.9	3062.9
2.5°	3077.3	3080.5	3074.1	3070.9	3067.7	3062.9	3064.5	3072.5	3078.9	3077.3
5°	3103.0	3106.2	3101.4	3099.8	3093.4	3091.8	3091.8	3099.8	3104.6	3101.4
7.5°	3131.9	3136.7	3128.7	3127.1	3123.9	3120.7	3119.1	3127.1	3131.9	3131.9
10°	3159.2	3164.0	3157.6	3152.8	3149.6	3149.6	3146.3	3152.8	3160.8	3159.2
12.5°	3188.1	3191.3	3184.9	3181.7	3181.7	3186.5	3181.7	3184.9	3191.3	3188.1
15°	3223.4	3225.0	3223.4	3228.2	3236.2	3252.3	3237.8	3234.6	3237.8	3229.8
17.5°	3271.6	3274.8	3281.2	3292.4	3303.7	3332.6	3306.9	3298.9	3298.9	3282.8
20°	3331.0	3335.8	3345.4	3364.7	3379.1	3406.4	3380.7	3369.5	3364.7	3343.8
22.5°	3393.6	3401.6	3416.0	3441.7	3467.4	3493.1	3467.4	3448.1	3433.7	3406.4
25°	3465.8	3475.4	3497.9	3539.6	3575.0	3611.9	3581.4	3542.9	3514.0	3475.4
27.5°	3568.5	3579.8	3607.1	3658.4	3703.4	3735.5	3706.6	3656.8	3616.7	3570.1
30°	3713.0	3724.2	3756.4	3810.9	3841.4	3862.3	3843.0	3804.5	3756.4	3703.4
32.5°	3899.2	3913.7	3949.0	4000.4	4006.8	4010.0	4003.6	3984.3	3949.0	3884.8
35°	4135.2	4151.3	4191.4	4233.1	4226.7	4233.1	4223.5	4217.1	4191.4	4117.5
37.5°	4424.2	4443.4	4485.2	4517.3	4501.2	4493.2	4494.8	4496.4	4481.9	4400.1
40°	4759.7	4785.3	4815.8	4849.6	4822.3	4798.2	4814.2	4827.1	4814.2	4730.8
42.5°	5104.8	5141.7	5173.8	5222.0	5199.5	5169.0	5191.5	5205.9	5178.6	5088.7
45°	5488.5	5523.8	5565.5	5637.7	5621.7	5589.6	5621.7	5624.9	5578.3	5472.4
47.5°	5885.0	5921.9	5984.5	6080.8	6074.4	6039.1	6080.8	6058.3	5998.9	5872.1
50°	6260.6	6312.0	6408.3	6543.1	6556.0	6512.6	6568.8	6525.5	6425.9	6267.0
52.5°	6613.8	6668.3	6820.8	7003.8	7050.4	6994.2	7069.7	6994.2	6844.9	6641.0
55°	6984.6	7045.6	7227.0	7466.2	7559.3	7517.5	7588.2	7474.2	7262.3	7015.1
57.5°	7421.2	7458.1	7674.8	7959.0	8116.3	8125.9	8158.0	7965.4	7708.6	7427.6
60°	7894.8	7946.1	8182.1	8522.4	8771.2	8851.5	8817.8	8532.1	8233.5	7910.8
62.5°	8501.6	8557.7	8840.3	9248.0	9641.3	9840.4	9708.7	9294.6	8925.4	8538.5
65°	9004.0	9066.6	9577.1	10304.3	11020.2	11420.0	11089.3	10326.8	9662.2	9116.4
67.5°	8639.6	8716.7	9517.7	10853.3	12633.6	13826.3	12694.6	11017.0	9715.2	8975.1
70°	7551.2	7623.5	8557.7	10190.3	13087.8	15701.2	13360.7	10490.5	8588.2	7759.9
72.5°	5013.3	5246.1	6191.6	8150.0	11686.4	14529.4	11802.0	7984.7	5743.7	5002.1
75°	1663.1	1849.3	2494.6	4225.1	7827.3	10866.1	7451.7	3738.7	1976.1	1422.3
77.5°	419.0	483.2	666.2	1208.8	3122.3	6186.7	2810.8	987.2	537.8	375.6
80°	203.9	224.7	321.1	402.9	781.8	1966.5	733.6	378.8	253.6	195.8
82.5°	112.4	114.0	181.4	227.9	290.6	508.9	301.8	221.5	146.1	118.8
85°	69.0	67.4	96.3	122.0	122.0	181.4	144.5	122.0	83.5	73.8
87.5°	27.3	27.3	35.3	38.5	33.7	46.6	36.9	40.1	32.1	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3062.9
3078.9
3103.0
3131.9
3159.2
3186.5
3229.8
3282.8
3343.8
3404.8
3473.8
3568.5
3703.4
3886.4
4117.5
4400.1
4730.8
5095.2
5483.6
5864.1
6263.8
6621.8
6981.4
7389.1
7859.5
8471.1
9026.5
8864.4
7649.2
4839.9
1345.2
335.5
179.8
118.8
77.1
32.1
0.0

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