

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: P948947

Luminaire Tested: **GALN-SB3D-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948947
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-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 29676 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

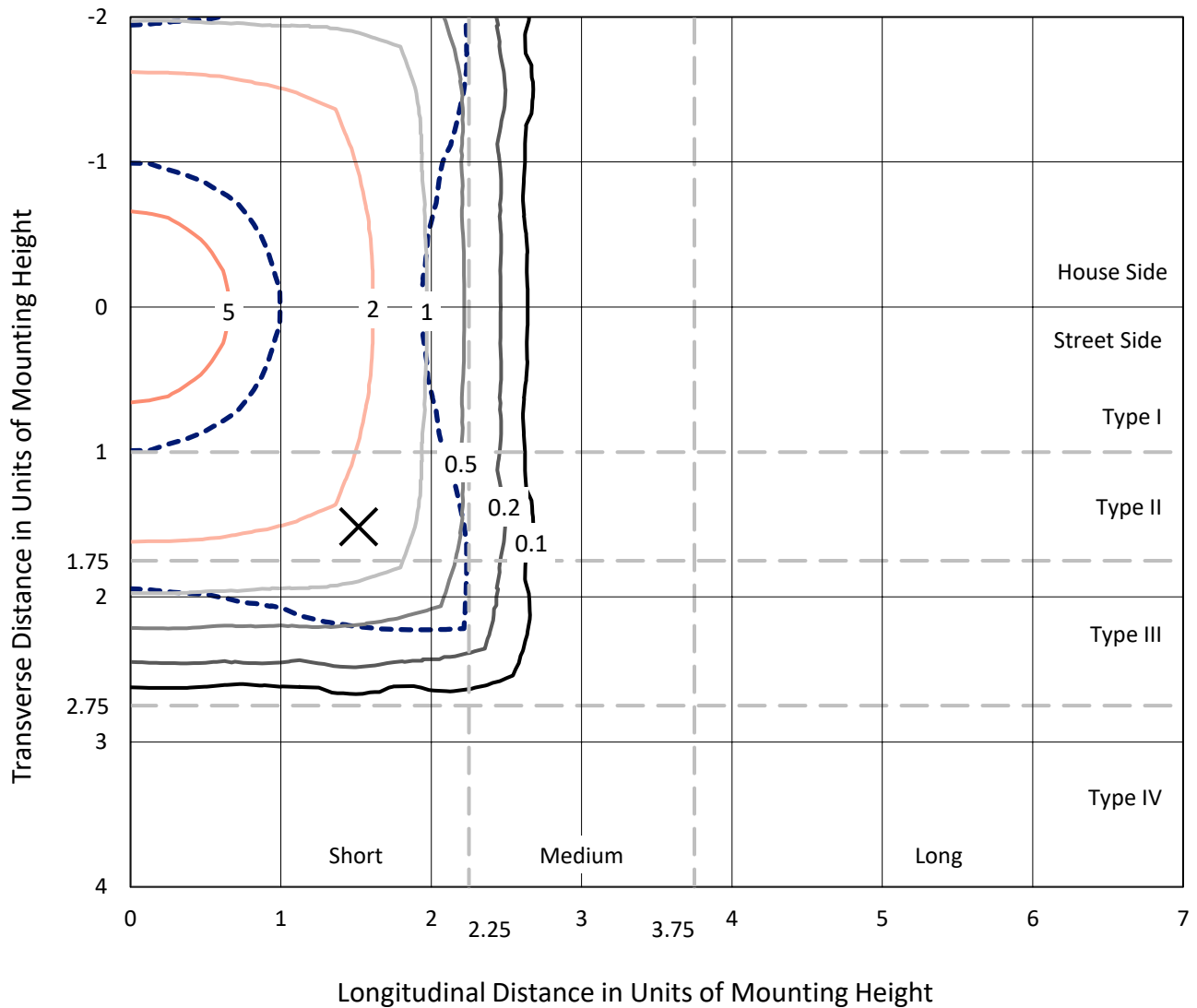
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

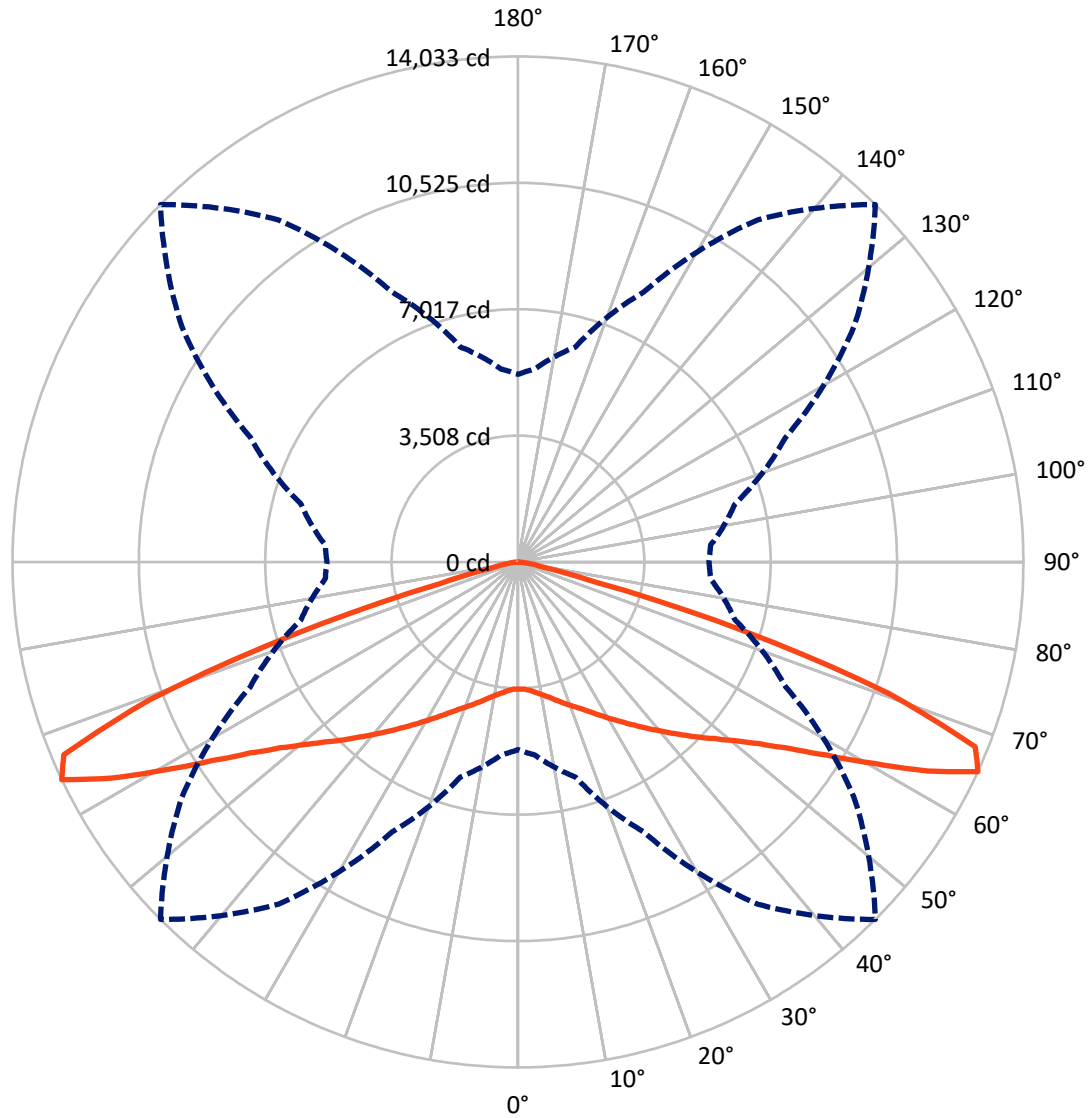
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	14838.0	0.0	14838.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14838.0	0.0	14838.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29676.0	0.0	29676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	1.2
10°-20°	1137.3	3.8
20°-30°	2147.4	7.2
30°-40°	3516.3	11.8
40°-50°	5452.1	18.4
50°-60°	8053.9	27.1
60°-70°	7666.6	25.8
70°-80°	1237.1	4.2
80°-90°	116.6	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°	29676.0	100.0
0°-180°	29676.0	100.0

Coefficient of Utilization



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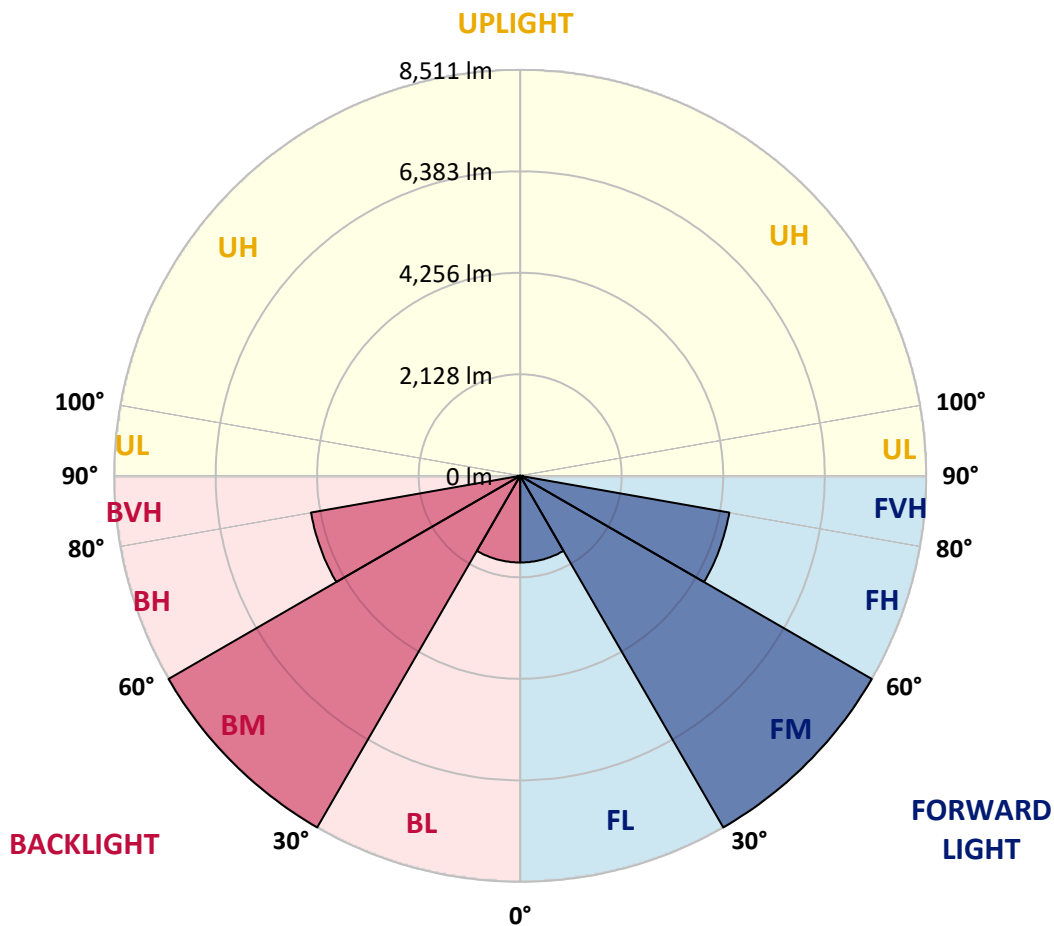
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1816.7	6.1			
FM (30°-60°)	8511.2	28.7			
FH (60°-80°)	4451.8	15.0			G2/5000
FVH (80°-90°)	58.3	0.2			G1/100
BL (0°-30°)	1816.7	6.1	B3/2500		
BM (30°-60°)	8511.2	28.7	B5		
BH (60°-80°)	4451.8	15.0	B4/5000		G2/5000
BVH (80°-90°)	58.3	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°	3531.7	3531.7	3531.7	3531.7	3531.7	3531.7	3531.7	3531.7	3531.7	3531.7
2.5°	3555.6	3543.7	3552.6	3545.1	3539.2	3533.2	3536.2	3546.6	3551.1	3552.6
5°	3603.2	3592.8	3597.3	3597.3	3586.8	3583.9	3585.3	3592.8	3601.7	3601.7
7.5°	3680.6	3670.2	3680.6	3674.7	3665.7	3662.8	3661.3	3667.2	3680.6	3680.6
10°	3774.4	3762.5	3768.5	3765.5	3755.1	3750.6	3749.1	3758.1	3770.0	3768.5
12.5°	3877.2	3863.8	3871.2	3862.3	3859.3	3854.8	3854.8	3853.3	3860.8	3854.8
15°	3991.8	3982.9	3985.9	3979.9	3984.4	3981.4	3969.5	3963.5	3966.5	3957.6
17.5°	4127.3	4106.5	4116.9	4113.9	4113.9	4119.9	4100.5	4093.1	4099.0	4090.1
20°	4283.7	4262.8	4267.3	4261.3	4253.9	4259.8	4236.0	4242.0	4246.4	4240.5
22.5°	4454.9	4428.1	4426.6	4429.6	4413.2	4414.7	4398.3	4413.2	4422.1	4405.7
25°	4630.6	4602.3	4621.6	4614.2	4593.3	4597.8	4585.9	4600.8	4608.2	4587.4
27.5°	4816.7	4797.3	4815.2	4819.7	4794.4	4812.2	4794.4	4807.8	4815.2	4783.9
30°	5034.1	5014.7	5031.1	5043.0	5013.2	5041.5	5026.6	5035.6	5037.0	4999.8
32.5°	5270.8	5241.0	5282.7	5288.7	5255.9	5290.2	5270.8	5282.7	5290.2	5239.5
35°	5559.7	5522.4	5570.1	5562.6	5534.4	5562.6	5544.8	5562.6	5580.5	5519.5
37.5°	5870.8	5832.1	5882.8	5869.4	5842.6	5861.9	5851.5	5863.4	5891.7	5826.2
40°	6213.3	6165.7	6234.1	6210.3	6185.0	6182.0	6188.0	6195.4	6232.7	6159.7
42.5°	6579.6	6529.0	6631.7	6594.5	6558.7	6534.9	6554.3	6569.2	6604.9	6523.0
45°	6998.0	6939.9	7073.9	7029.2	6972.7	6923.5	6954.8	6977.1	7029.2	6931.0
47.5°	7459.5	7394.0	7537.0	7523.6	7431.2	7324.0	7395.5	7459.5	7498.2	7379.1
50°	7910.7	7860.1	8047.7	8064.0	7950.9	7800.5	7900.3	7997.0	8007.5	7851.1
52.5°	8333.5	8282.9	8555.4	8658.1	8556.9	8378.2	8483.9	8582.2	8503.3	8300.8
55°	8671.5	8629.8	8976.8	9241.8	9276.0	9128.6	9191.2	9188.2	8929.1	8617.9
57.5°	8753.4	8747.5	9185.2	9746.5	10103.9	10121.7	9998.2	9682.5	9124.2	8705.8
60°	8381.2	8418.4	9019.9	10010.1	10963.0	11359.0	10824.5	9923.7	8902.3	8321.6
62.5°	7267.5	7365.7	8090.8	9688.5	11656.8	12782.5	11487.1	9557.4	7991.1	7233.2
65°	5208.3	5379.5	6180.5	8268.0	11594.3	14033.2	11391.8	8201.0	6240.1	5366.1
67.5°	2362.9	2537.1	3217.6	5660.9	10078.6	13693.7	10054.7	5720.5	3378.4	2546.1
70°	856.1	885.9	1104.8	2266.2	6441.1	10910.9	6716.6	2282.5	1174.8	944.0
72.5°	518.1	522.6	568.8	811.5	2237.9	6624.2	2333.2	838.3	580.7	515.2
75°	329.1	326.1	405.0	495.8	793.6	2234.9	832.3	495.8	403.5	367.8
77.5°	236.7	244.2	290.3	370.7	500.3	757.9	491.3	354.4	290.3	238.2
80°	177.2	181.6	211.4	288.9	351.4	472.0	312.7	262.1	218.9	148.9
82.5°	128.0	128.0	138.5	209.9	214.4	254.6	169.7	184.6	144.4	105.7
85°	75.9	74.4	86.4	125.1	111.7	93.8	77.4	113.2	90.8	65.5
87.5°	26.8	28.3	26.8	35.7	29.8	25.3	23.8	31.3	25.3	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3531.7
3552.6
3601.7
3676.2
3765.5
3857.8
3959.1
4097.5
4253.9
4422.1
4611.2
4807.8
5022.2
5273.8
5556.7
5866.4
6183.5
6566.2
6981.6
7419.3
7870.5
8306.7
8628.3
8679.0
8253.1
7188.6
5302.1
2508.8
932.1
524.1
370.7
242.7
153.4
105.7
64.0
20.8
0.0

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