

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: P942030

Luminaire Tested: **GALN-SB5D-835-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB5D-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

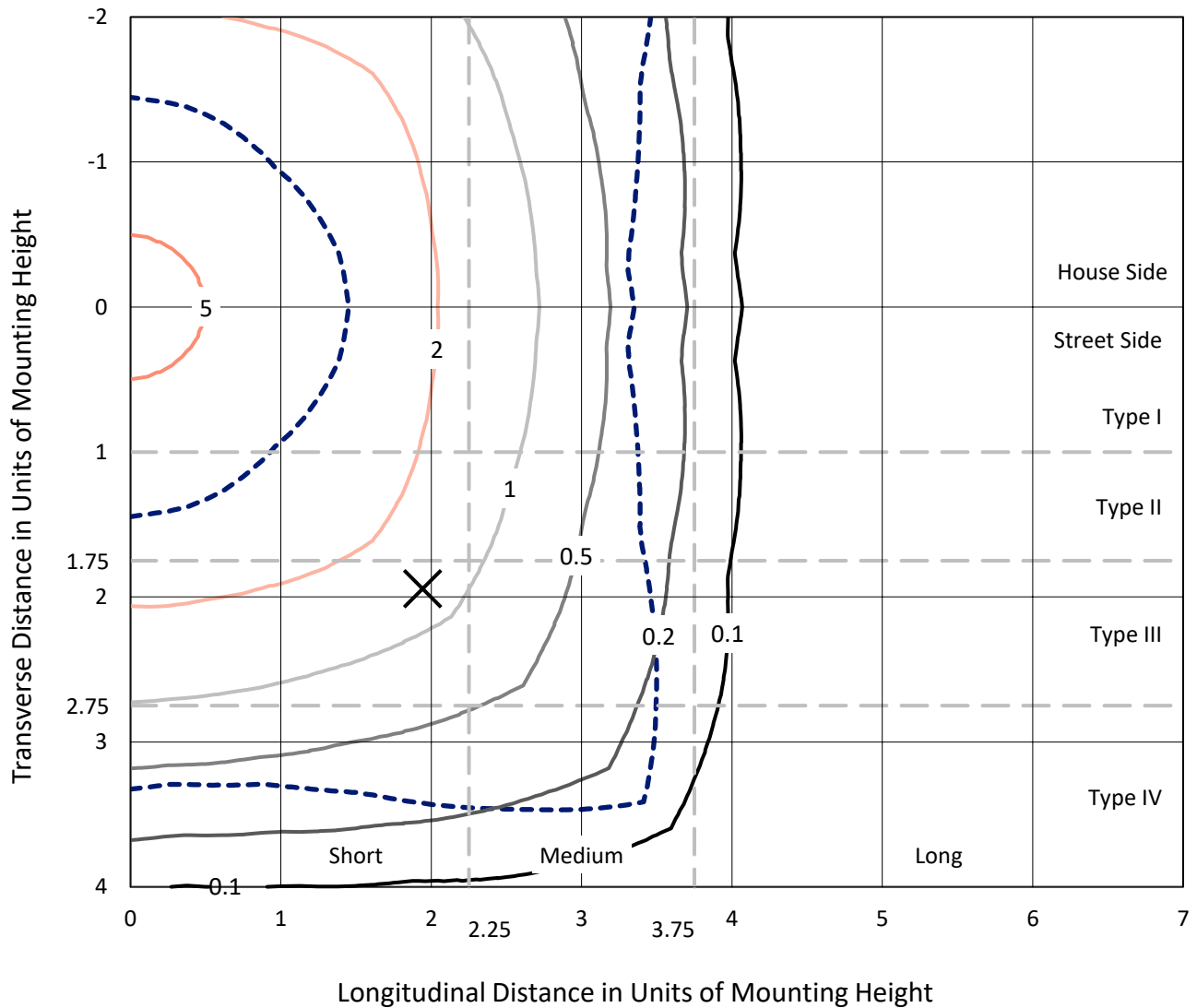
Lumens per Lamp: N/A  
Luminaire Lumens: 48227 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

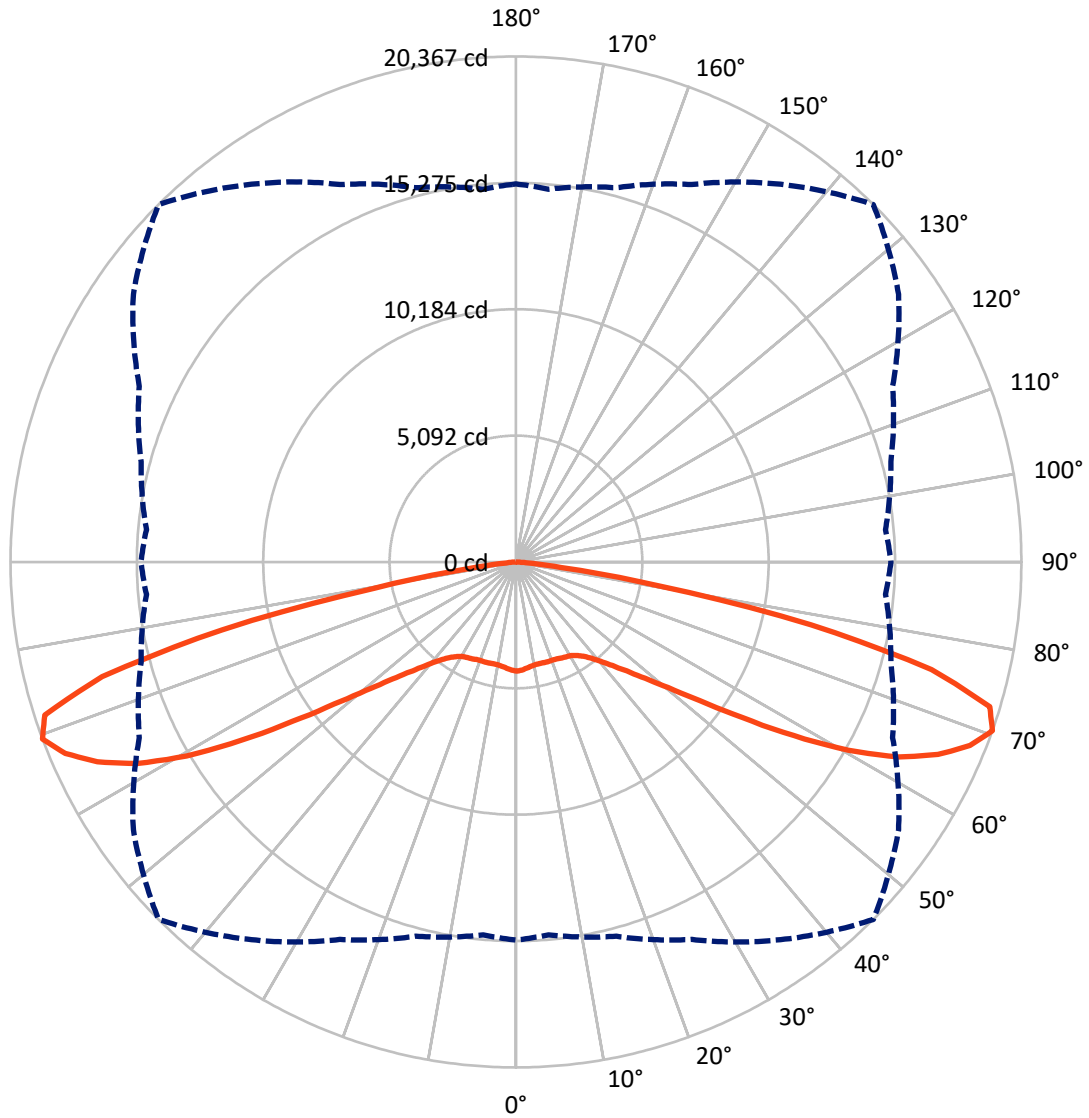
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	24113.5	0.0	24113.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24113.5	0.0	24113.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48227.0	0.0	48227.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	409.2	0.8
10°-20°	1201.6	2.5
20°-30°	1999.7	4.1
30°-40°	3024.1	6.3
40°-50°	5025.3	10.4
50°-60°	9482.6	19.7
60°-70°	16011.8	33.2
70°-80°	10521.4	21.8
80°-90°	551.2	1.1
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°	48227.0	100.0
0°-180°	48227.0	100.0

**Coefficient of Utilization**



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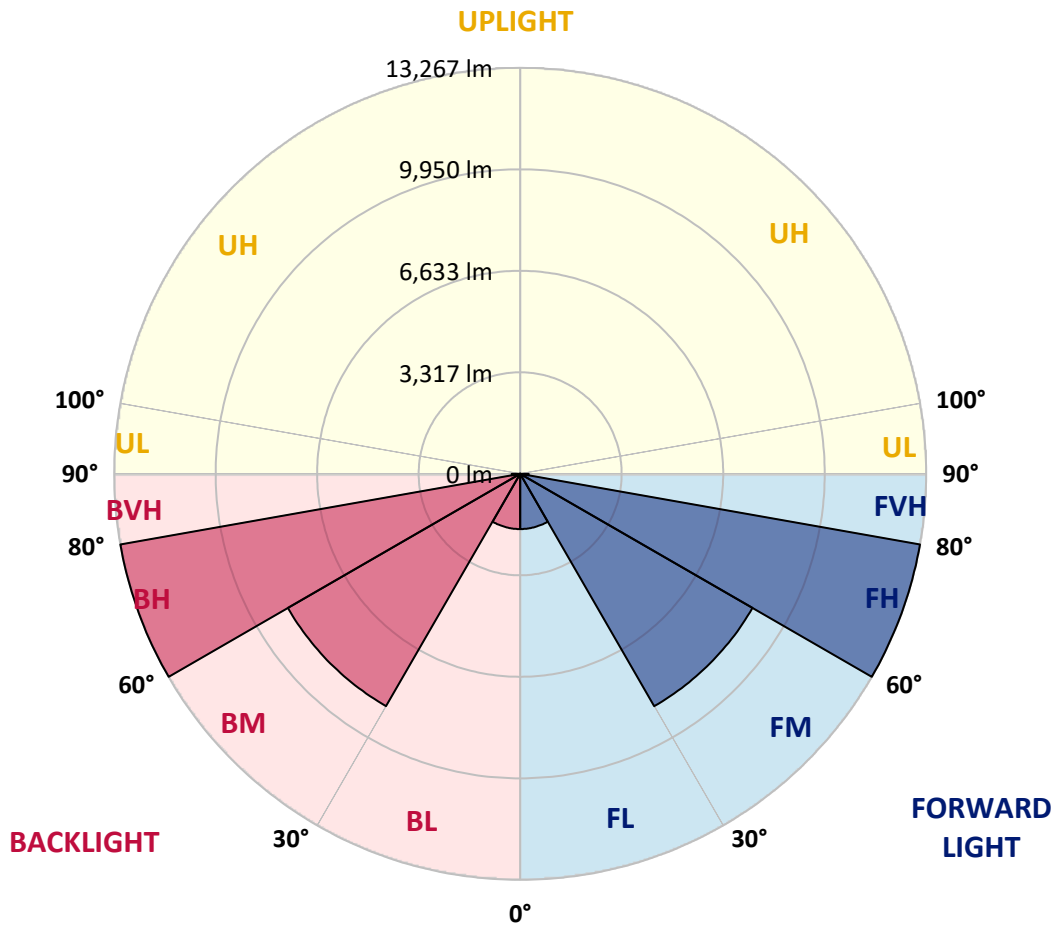
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1805.3	3.7			
FM (30°-60°)	8766.0	18.2			
FH (60°-80°)	13266.6	27.5			G5
FVH (80°-90°)	275.6	0.6			G3/500
BL (0°-30°)	1805.3	3.7	B3/2500		
BM (30°-60°)	8766.0	18.2	B5		
BH (60°-80°)	13266.6	27.5	B5		G5
BVH (80°-90°)	275.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3	4399.3
2.5°	4371.7	4384.2	4379.2	4369.2	4369.2	4361.7	4369.2	4374.2	4381.7	4386.7
5°	4314.0	4324.1	4321.6	4314.0	4316.6	4309.0	4314.0	4321.6	4326.6	4329.1
7.5°	4263.9	4273.9	4268.9	4256.4	4256.4	4248.9	4251.4	4258.9	4266.4	4268.9
10°	4251.4	4261.4	4246.4	4226.3	4218.8	4208.8	4211.3	4218.8	4233.8	4241.4
12.5°	4256.4	4263.9	4248.9	4218.8	4211.3	4201.2	4201.2	4208.8	4228.8	4238.8
15°	4271.4	4279.0	4256.4	4223.8	4216.3	4208.8	4206.3	4216.3	4238.8	4256.4
17.5°	4299.0	4306.5	4271.4	4226.3	4216.3	4218.8	4216.3	4223.8	4258.9	4291.5
20°	4324.1	4329.1	4281.5	4226.3	4216.3	4218.8	4216.3	4231.3	4276.4	4321.6
22.5°	4331.6	4336.6	4291.5	4243.9	4236.3	4238.8	4236.3	4251.4	4294.0	4339.1
25°	4334.1	4341.6	4306.5	4268.9	4281.5	4286.5	4281.5	4284.0	4316.6	4356.7
27.5°	4371.7	4381.7	4349.1	4316.6	4324.1	4321.6	4329.1	4336.6	4361.7	4401.8
30°	4449.4	4456.9	4429.4	4396.8	4391.8	4374.2	4396.8	4421.8	4449.4	4484.5
32.5°	4577.2	4592.3	4557.2	4522.1	4499.5	4489.5	4507.1	4549.7	4587.3	4624.9
35°	4790.3	4800.3	4767.8	4702.6	4662.5	4662.5	4677.5	4732.7	4792.8	4840.5
37.5°	5091.1	5103.7	5046.0	4968.3	4908.1	4908.1	4928.2	4985.8	5076.1	5143.8
40°	5457.1	5474.7	5402.0	5321.7	5264.1	5254.1	5279.1	5344.3	5429.5	5514.8
42.5°	5898.3	5918.3	5823.1	5752.9	5707.8	5707.8	5720.3	5780.5	5858.2	5963.5
45°	6462.3	6497.4	6367.0	6296.9	6254.2	6264.3	6271.8	6324.4	6394.6	6514.9
47.5°	7134.1	7169.2	7031.3	6958.6	6951.1	6998.7	6968.6	7006.3	7043.9	7181.7
50°	7896.1	7956.3	7861.0	7856.0	7871.1	7958.8	7888.6	7908.7	7866.1	7953.8
52.5°	8828.6	8916.4	8898.8	8928.9	9096.8	9277.3	9116.9	9046.7	8886.3	8913.9
55°	9959.2	10092.0	10117.1	10297.6	10678.6	11047.1	10706.2	10422.9	10082.0	10019.3
57.5°	11245.1	11350.4	11470.7	11839.2	12551.1	13205.3	12551.1	11924.4	11388.0	11260.1
60°	12628.8	12759.1	12874.5	13418.4	14476.2	15396.2	14456.2	13461.0	12751.6	12578.7
62.5°	14115.3	14283.2	14363.4	14967.6	16200.9	17298.8	16218.4	15012.7	14225.6	14040.1
65°	15541.6	15679.5	15769.7	16413.9	17592.1	18692.5	17672.3	16484.1	15674.4	15431.3
67.5°	16205.9	16281.1	16501.7	17231.1	18474.4	19730.3	18685.0	17308.8	16403.9	15977.8
70°	15233.3	15080.4	15611.8	16779.9	18579.7	20367.0	18820.4	16744.8	15636.8	14945.0
72.5°	11771.5	11508.3	12430.8	14428.6	17376.5	19960.9	17496.8	14541.4	13004.8	11601.0
75°	6404.6	6106.3	7379.7	9906.5	13857.1	17301.3	14175.4	10189.8	8217.0	6357.0
77.5°	1807.3	1694.5	2722.3	4792.8	8334.8	12147.5	8655.7	4898.1	3228.6	1915.1
80°	554.0	536.4	726.9	1443.9	3539.5	5818.1	3401.6	1461.4	925.0	584.1
82.5°	328.4	300.8	361.0	526.4	902.4	1827.4	877.3	549.0	441.2	295.8
85°	188.0	175.5	213.1	255.7	303.3	388.5	253.2	260.7	235.6	157.9
87.5°	77.7	70.2	82.7	80.2	70.2	90.2	67.7	80.2	95.3	62.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4399.3
4384.2
4329.1
4268.9
4241.4
4241.4
4258.9
4291.5
4324.1
4339.1
4354.2
4391.8
4477.0
4609.8
4822.9
5118.7
5487.2
5955.9
6509.9
7141.6
7901.1
8821.1
9921.6
11169.9
12428.3
13889.7
15311.0
15982.8
15110.4
11949.5
6770.6
2128.2
616.7
320.9
165.4
57.7
0.0

OF REPORT)