

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: P951467

Luminaire Tested: **GALN-SB5C-840-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951467
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-SB5C-840-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37919 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

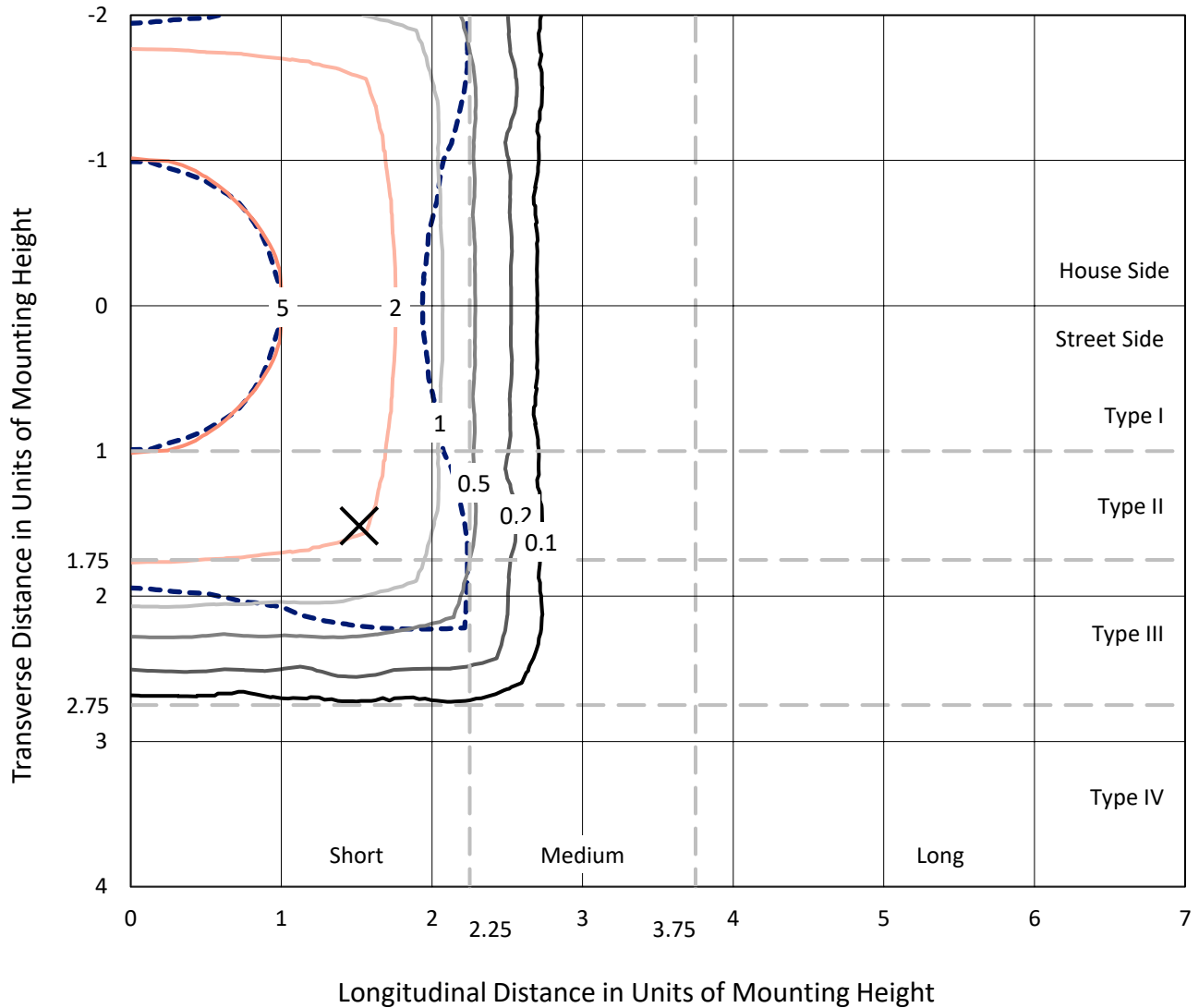
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

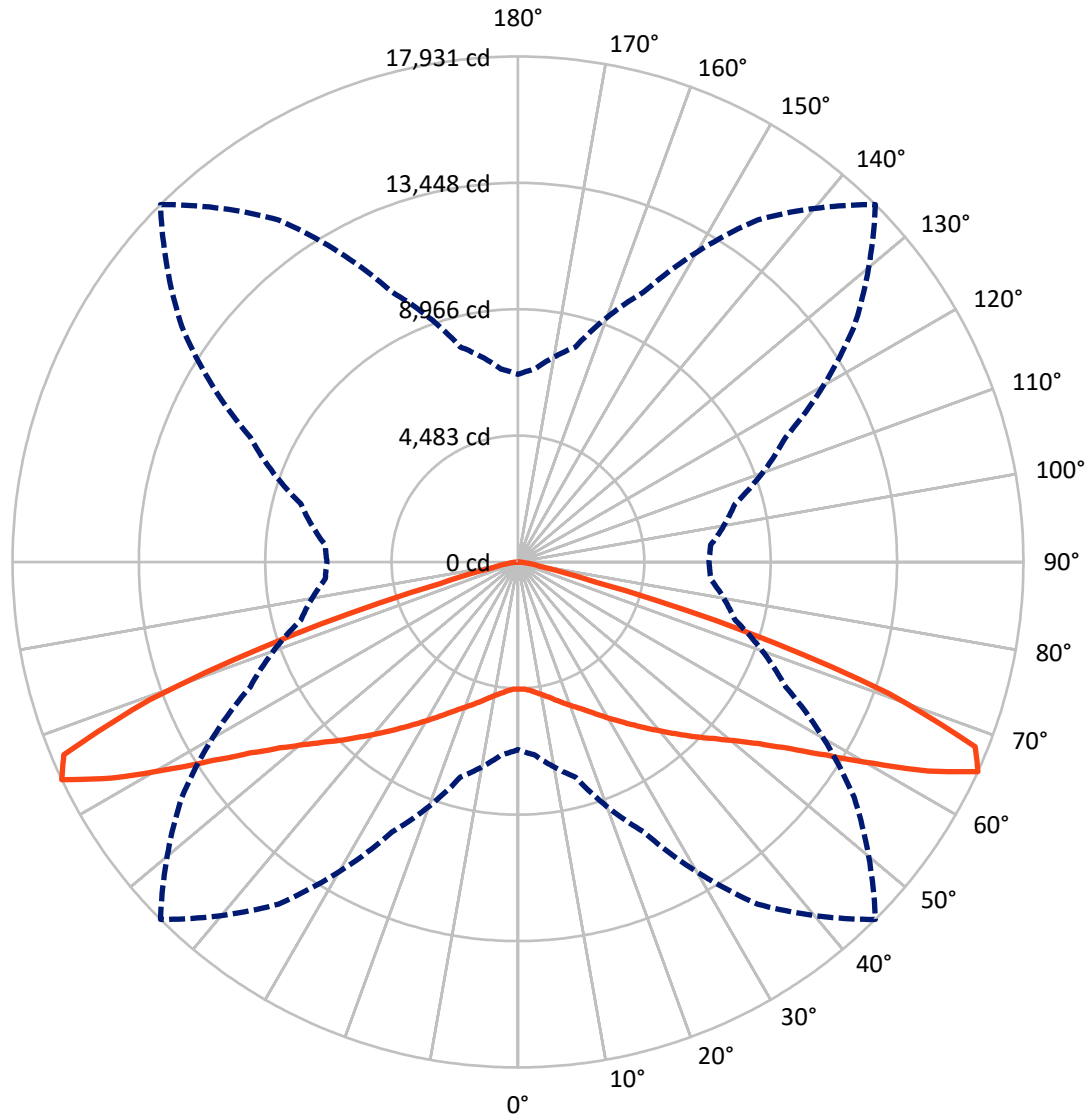
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	18959.5	0.0	18959.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18959.5	0.0	18959.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37919.0	0.0	37919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.4	1.2
10°-20°	1453.3	3.8
20°-30°	2743.9	7.2
30°-40°	4493.1	11.8
40°-50°	6966.5	18.4
50°-60°	10291.0	27.1
60°-70°	9796.1	25.8
70°-80°	1580.7	4.2
80°-90°	149.0	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°	37919.0	100.0
0°-180°	37919.0	100.0

Coefficient of Utilization



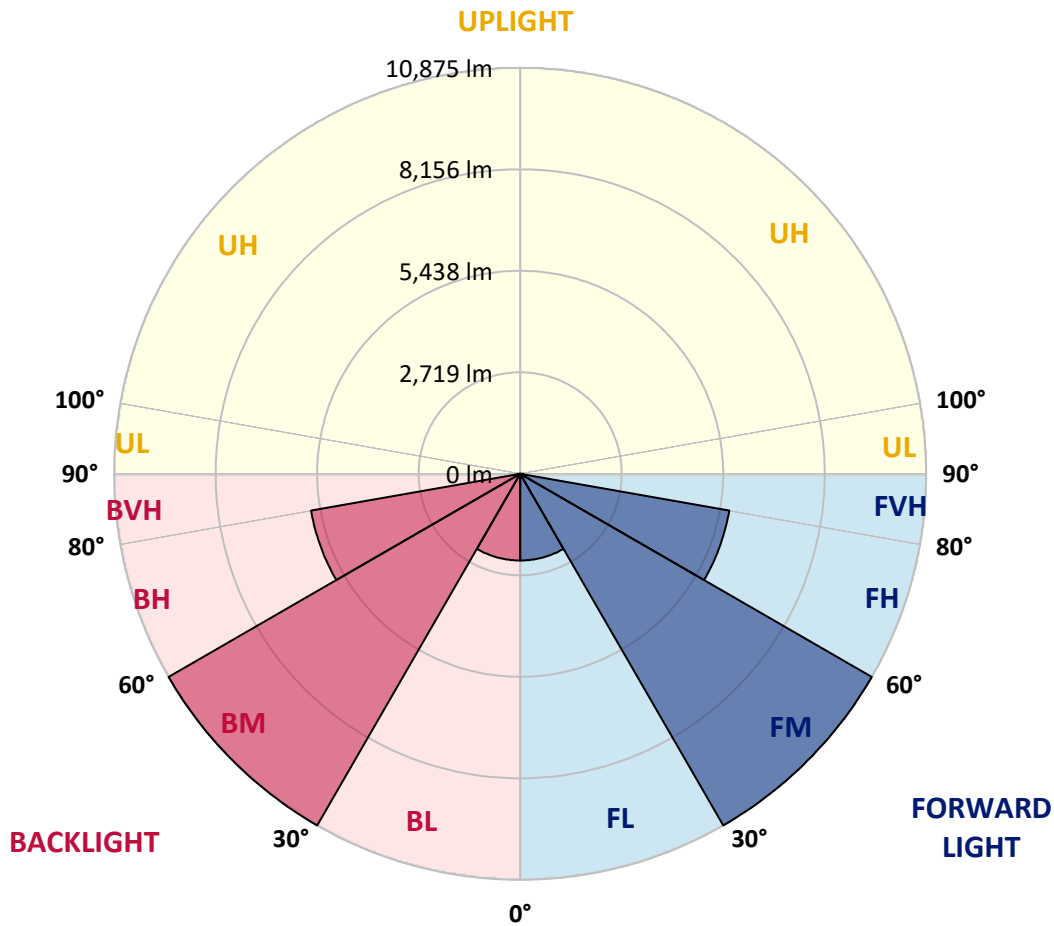
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2321.3	6.1			
FM (30°-60°)	10875.3	28.7			
FH (60°-80°)	5688.4	15.0			G3/7500
FVH (80°-90°)	74.5	0.2			G1/100
BL (0°-30°)	2321.3	6.1	B3/2500		
BM (30°-60°)	10875.3	28.7	B5		
BH (60°-80°)	5688.4	15.0	B5		G3/7500
BVH (80°-90°)	74.5	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4512.7	4512.7	4512.7	4512.7	4512.7	4512.7	4512.7	4512.7	4512.7	4512.7
2.5°	4543.2	4528.0	4539.4	4529.9	4522.3	4514.6	4518.4	4531.8	4537.5	4539.4
5°	4604.1	4590.7	4596.5	4596.5	4583.1	4579.3	4581.2	4590.7	4602.2	4602.2
7.5°	4703.0	4689.7	4703.0	4695.4	4684.0	4680.2	4678.3	4685.9	4703.0	4703.0
10°	4822.8	4807.6	4815.2	4811.4	4798.1	4792.4	4790.5	4801.9	4817.1	4815.2
12.5°	4954.1	4937.0	4946.5	4935.1	4931.3	4925.6	4925.6	4923.7	4933.2	4925.6
15°	5100.6	5089.2	5093.0	5085.4	5091.1	5087.3	5072.1	5064.5	5068.3	5056.9
17.5°	5273.7	5247.1	5260.4	5256.6	5256.6	5264.2	5239.5	5230.0	5237.6	5226.2
20°	5473.5	5446.9	5452.6	5445.0	5435.5	5443.1	5412.6	5420.2	5425.9	5418.3
22.5°	5692.3	5658.0	5656.1	5660.0	5639.0	5640.9	5620.0	5639.0	5650.4	5629.5
25°	5916.8	5880.6	5905.4	5895.9	5869.2	5874.9	5859.7	5878.7	5888.3	5861.6
27.5°	6154.6	6129.9	6152.7	6158.4	6126.1	6148.9	6126.1	6143.2	6152.7	6112.7
30°	6432.4	6407.6	6428.6	6443.8	6405.7	6441.9	6422.9	6434.3	6436.2	6388.6
32.5°	6734.9	6696.8	6750.1	6757.7	6715.8	6759.6	6734.9	6750.1	6759.6	6694.9
35°	7104.0	7056.4	7117.3	7107.8	7071.6	7107.8	7084.9	7107.8	7130.6	7052.6
37.5°	7501.6	7452.1	7516.8	7499.7	7465.4	7490.2	7476.8	7492.1	7528.2	7444.5
40°	7939.2	7878.3	7965.8	7935.3	7903.0	7899.2	7906.8	7916.3	7963.9	7870.7
42.5°	8407.2	8342.5	8473.8	8426.2	8380.5	8350.1	8374.8	8393.8	8439.5	8334.9
45°	8941.8	8867.6	9038.8	8981.7	8909.4	8846.6	8886.6	8915.1	8981.7	8856.2
47.5°	9531.5	9447.8	9630.5	9613.4	9495.4	9358.4	9449.7	9531.5	9581.0	9428.8
50°	10108.0	10043.3	10283.0	10304.0	10159.4	9967.2	10094.7	10218.4	10231.7	10031.9
52.5°	10648.3	10583.6	10931.8	11063.1	10933.7	10705.4	10840.5	10966.0	10865.2	10606.5
55°	11080.2	11026.9	11470.2	11808.8	11852.6	11664.3	11744.2	11740.4	11409.3	11011.7
57.5°	11184.8	11177.2	11736.5	12453.8	12910.4	12933.2	12775.3	12372.0	11658.5	11123.9
60°	10709.2	10756.8	11525.4	12790.5	14008.1	14514.2	13831.2	12680.2	11375.1	10633.1
62.5°	9286.1	9411.7	10338.2	12379.6	14894.7	16333.0	14677.8	12212.2	10210.7	9242.4
65°	6655.0	6873.7	7897.3	10564.6	14814.8	17931.1	14556.1	10479.0	7973.4	6856.6
67.5°	3019.3	3241.9	4111.3	7233.3	12878.1	17497.3	12847.6	7309.4	4316.8	3253.3
70°	1093.9	1132.0	1411.7	2895.6	8230.2	13941.6	8582.2	2916.5	1501.1	1206.2
72.5°	662.1	667.8	726.8	1036.9	2859.5	8464.2	2981.2	1071.1	742.0	658.3
75°	420.5	416.6	517.5	633.5	1014.0	2855.7	1063.5	633.5	515.6	469.9
77.5°	302.5	312.0	371.0	473.7	639.2	968.4	627.8	452.8	371.0	304.4
80°	226.4	232.1	270.2	369.1	449.0	603.1	399.5	334.8	279.7	190.3
82.5°	163.6	163.6	176.9	268.3	274.0	325.3	216.9	235.9	184.5	135.1
85°	97.0	95.1	110.3	159.8	142.7	119.9	98.9	144.6	116.1	83.7
87.5°	34.2	36.1	34.2	45.7	38.1	32.3	30.4	40.0	32.3	28.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4512.7
4539.4
4602.2
4697.3
4811.4
4929.4
5058.8
5235.7
5435.5
5650.4
5892.1
6143.2
6417.1
6738.7
7100.1
7495.9
7901.1
8390.0
8920.8
9480.2
10056.6
10614.1
11025.0
11089.7
10545.6
9185.3
6774.8
3205.7
1191.0
669.7
473.7
310.1
196.0
135.1
81.8
26.6
0.0

OF REPORT)