

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: P954911

Luminaire Tested: **GALN-SB8A-740-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954911
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-SB8A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40213 lumens
Efficiency: N/A
Efficacy: 177.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

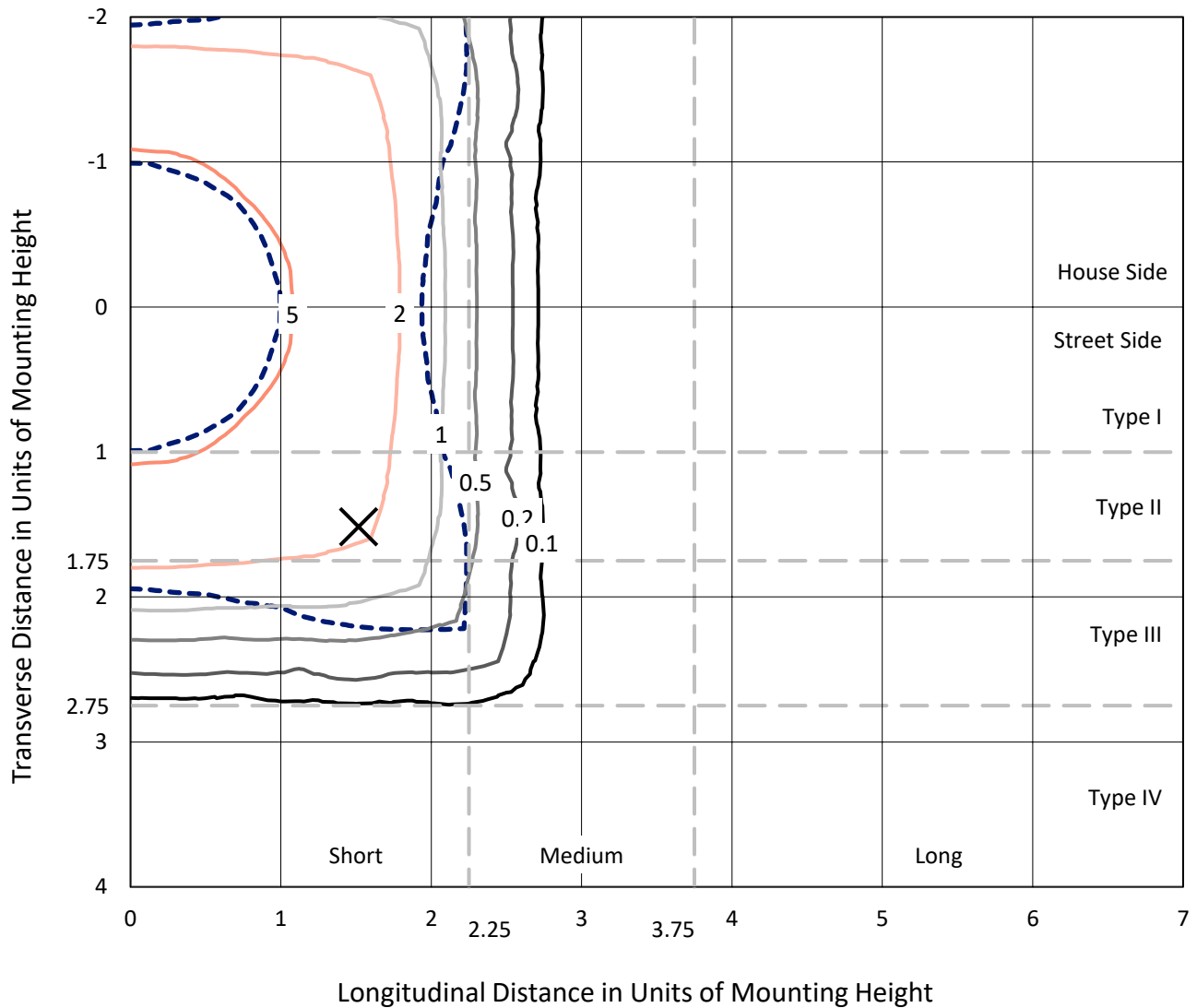
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

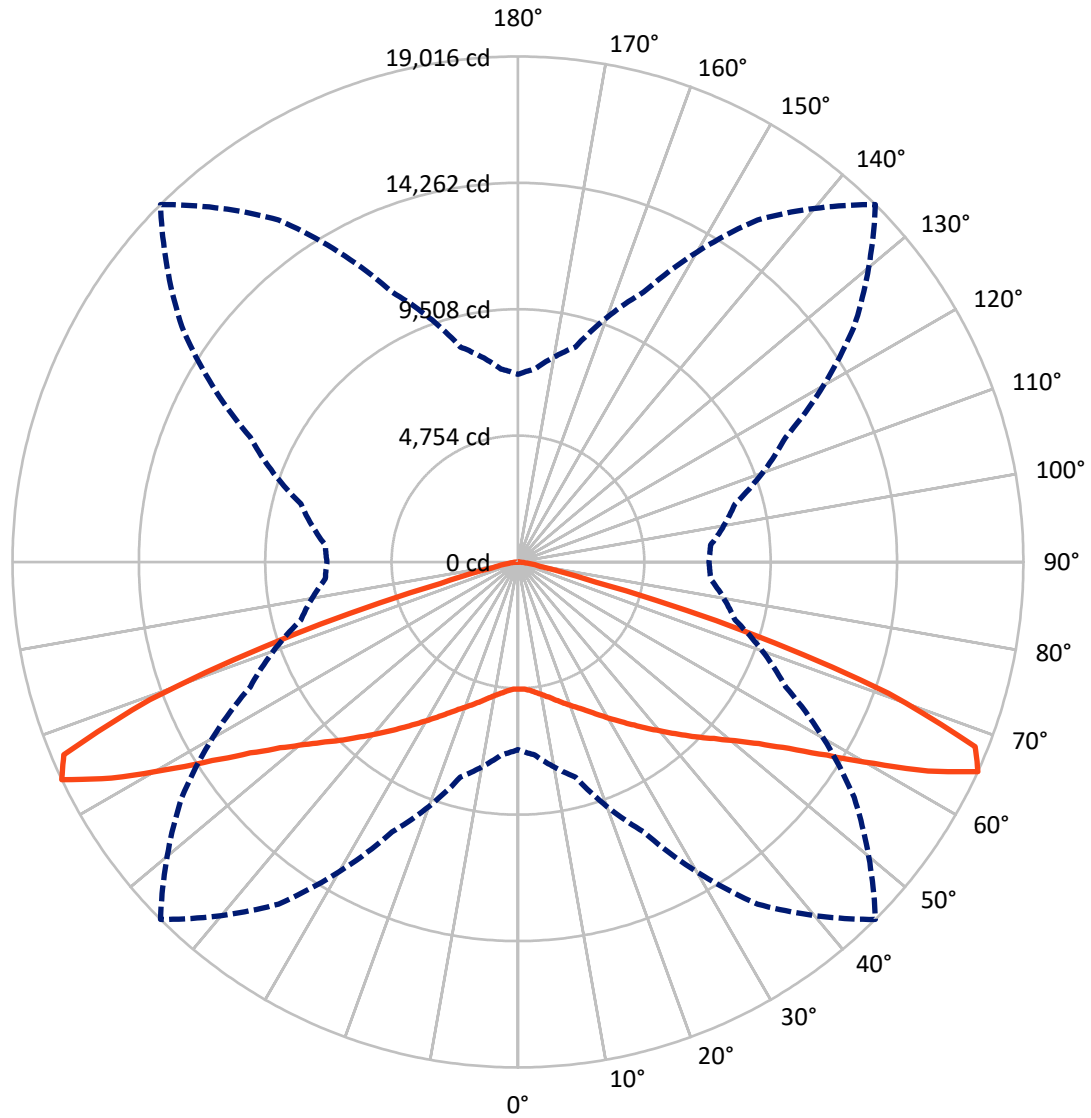
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	20106.5	0.0	20106.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20106.5	0.0	20106.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40213.0	0.0	40213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.3	1.2
10°-20°	1541.2	3.8
20°-30°	2909.9	7.2
30°-40°	4764.9	11.8
40°-50°	7388.0	18.4
50°-60°	10913.6	27.1
60°-70°	10388.7	25.8
70°-80°	1676.4	4.2
80°-90°	158.0	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°	40213.0	100.0
0°-180°	40213.0	100.0

Coefficient of Utilization



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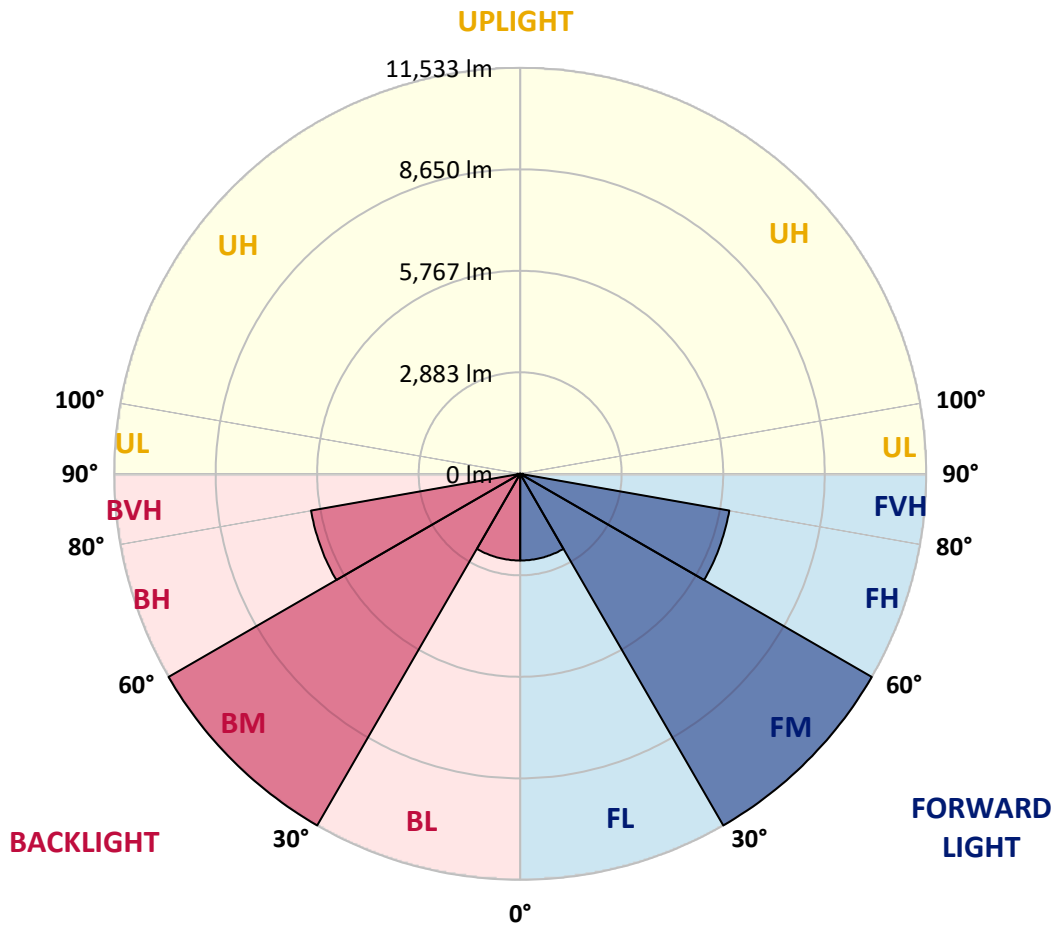
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2461.7	6.1			
FM (30°-60°)	11533.2	28.7			
FH (60°-80°)	6032.6	15.0			G3/7500
FVH (80°-90°)	79.0	0.2			G1/100
BL (0°-30°)	2461.7	6.1	B3/2500		
BM (30°-60°)	11533.2	28.7	B5		
BH (60°-80°)	6032.6	15.0	B5		G3/7500
BVH (80°-90°)	79.0	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°	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7	4785.7
2.5°	4818.0	4801.9	4814.0	4803.9	4795.8	4787.8	4791.8	4805.9	4812.0	4814.0
5°	4882.6	4868.5	4874.5	4874.5	4860.4	4856.4	4858.4	4868.5	4880.6	4880.6
7.5°	4987.5	4973.4	4987.5	4979.4	4967.3	4963.3	4961.3	4969.4	4987.5	4987.5
10°	5114.6	5098.5	5106.5	5102.5	5088.4	5082.3	5080.3	5092.4	5108.6	5106.5
12.5°	5253.8	5235.7	5245.8	5233.7	5229.6	5223.6	5223.6	5221.6	5231.6	5223.6
15°	5409.2	5397.1	5401.1	5393.0	5399.1	5395.1	5378.9	5370.9	5374.9	5362.8
17.5°	5592.8	5564.5	5578.7	5574.6	5574.6	5582.7	5556.5	5546.4	5554.5	5542.3
20°	5804.6	5776.4	5782.4	5774.4	5764.3	5772.4	5740.1	5748.1	5754.2	5746.1
22.5°	6036.7	6000.3	5998.3	6002.4	5980.2	5982.2	5960.0	5980.2	5992.3	5970.1
25°	6274.7	6236.4	6262.6	6252.5	6224.3	6230.4	6214.2	6234.4	6244.5	6216.2
27.5°	6526.9	6500.7	6524.9	6531.0	6496.7	6520.9	6496.7	6514.8	6524.9	6482.6
30°	6821.5	6795.3	6817.5	6833.6	6793.3	6831.6	6811.4	6823.5	6825.5	6775.1
32.5°	7142.3	7102.0	7158.4	7166.5	7122.1	7168.5	7142.3	7158.4	7168.5	7099.9
35°	7533.7	7483.3	7547.8	7537.8	7499.4	7537.8	7513.5	7537.8	7562.0	7479.2
37.5°	7955.4	7902.9	7971.5	7953.4	7917.1	7943.3	7929.2	7945.3	7983.6	7894.9
40°	8419.4	8354.9	8447.7	8415.4	8381.1	8377.1	8385.1	8395.2	8445.7	8346.8
42.5°	8915.8	8847.2	8986.4	8936.0	8887.5	8855.3	8881.5	8901.7	8950.1	8839.1
45°	9482.7	9404.0	9585.6	9525.1	9448.4	9381.8	9424.2	9454.5	9525.1	9391.9
47.5°	10108.2	10019.4	10213.1	10194.9	10069.8	9924.6	10021.4	10108.2	10160.6	9999.2
50°	10719.5	10650.9	10905.1	10927.3	10774.0	10570.2	10705.4	10836.5	10850.7	10638.8
52.5°	11292.5	11223.9	11593.1	11732.3	11595.2	11353.0	11496.3	11629.5	11522.5	11248.1
55°	11750.5	11694.0	12164.1	12523.2	12569.7	12369.9	12454.6	12450.6	12099.6	11677.9
57.5°	11861.5	11853.4	12446.6	13207.2	13691.4	13715.7	13548.2	13120.5	12363.9	11796.9
60°	11357.1	11407.5	12222.6	13564.3	14855.6	15392.3	14668.0	13447.3	12063.2	11276.4
62.5°	9847.9	9981.1	10963.6	13128.5	15795.8	17321.1	15565.8	12951.0	10828.5	9801.5
65°	7057.6	7289.6	8375.1	11203.7	15711.1	19015.9	15436.7	11112.9	8455.8	7271.4
67.5°	3201.9	3438.0	4360.0	7670.9	13657.1	18555.9	13624.9	7751.6	4577.9	3450.1
70°	1160.1	1200.5	1497.1	3070.8	8728.1	14785.0	9101.4	3093.0	1591.9	1279.2
72.5°	702.1	708.2	770.7	1099.6	3032.5	8976.3	3161.6	1135.9	786.9	698.1
75°	445.9	441.9	548.8	671.9	1075.4	3028.4	1127.8	671.9	546.8	498.3
77.5°	320.8	330.9	393.4	502.4	677.9	1027.0	665.8	480.2	393.4	322.8
80°	240.1	246.1	286.5	391.4	476.2	639.6	423.7	355.1	296.6	201.8
82.5°	173.5	173.5	187.6	284.5	290.5	345.0	230.0	250.2	195.7	143.2
85°	102.9	100.9	117.0	169.5	151.3	127.1	104.9	153.3	123.1	88.8
87.5°	36.3	38.3	36.3	48.4	40.4	34.3	32.3	42.4	34.3	30.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4785.7
4814.0
4880.6
4981.5
5102.5
5227.6
5364.8
5552.4
5764.3
5992.3
6248.5
6514.8
6805.4
7146.3
7529.7
7949.3
8379.1
8897.6
9460.5
10053.7
10665.0
11256.2
11692.0
11760.6
11183.6
9741.0
7184.7
3399.7
1263.0
710.2
502.4
328.9
207.8
143.2
86.8
28.2
0.0

OF REPORT)