

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: P955457

Luminaire Tested: **GALN-SB8B-930-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955457
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-SB8B-930-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33192 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

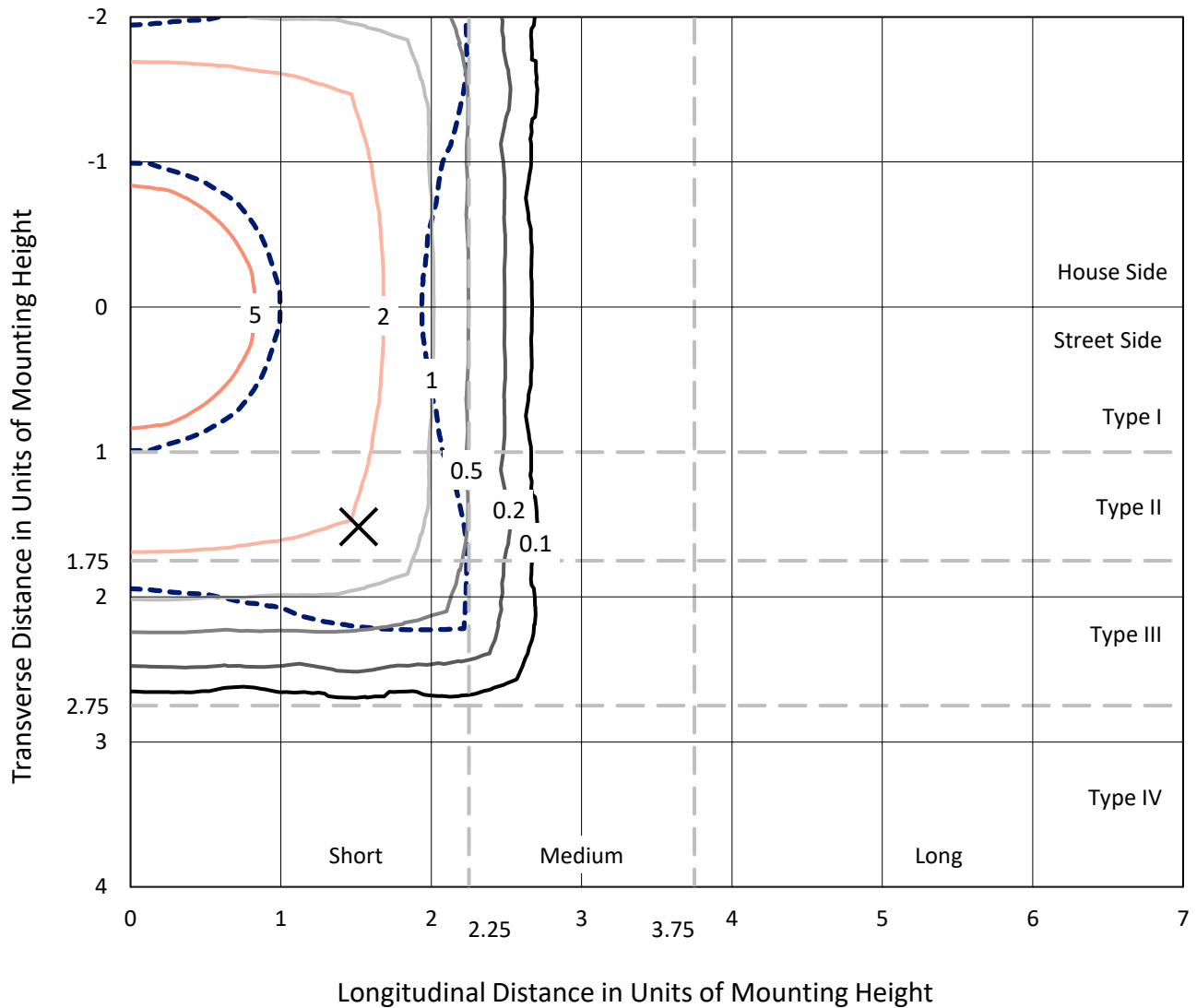
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

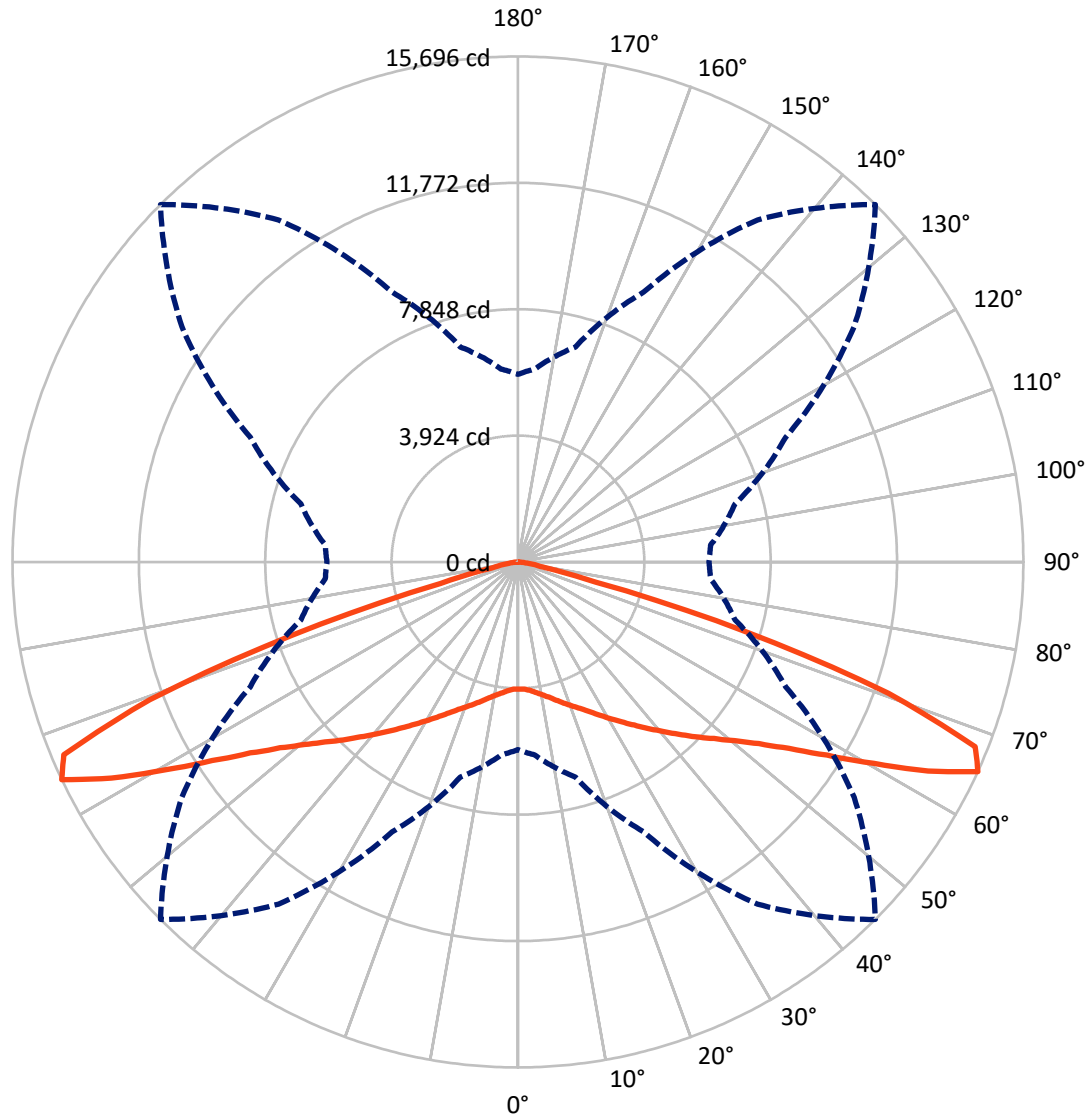
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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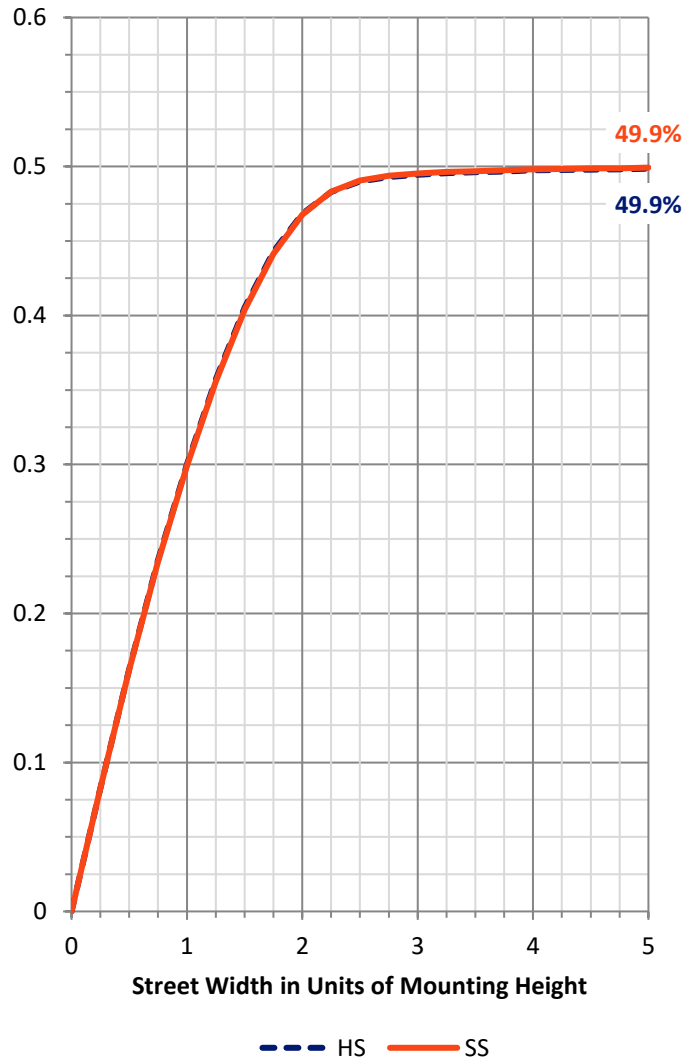
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16596.0	0.0	16596.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16596.0	0.0	16596.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33192.0	0.0	33192.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.8	1.2
10°-20°	1272.1	3.8
20°-30°	2401.9	7.2
30°-40°	3933.0	11.8
40°-50°	6098.1	18.4
50°-60°	9008.1	27.1
60°-70°	8574.9	25.8
70°-80°	1383.7	4.2
80°-90°	130.4	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°	33192.0	100.0
0°-180°	33192.0	100.0



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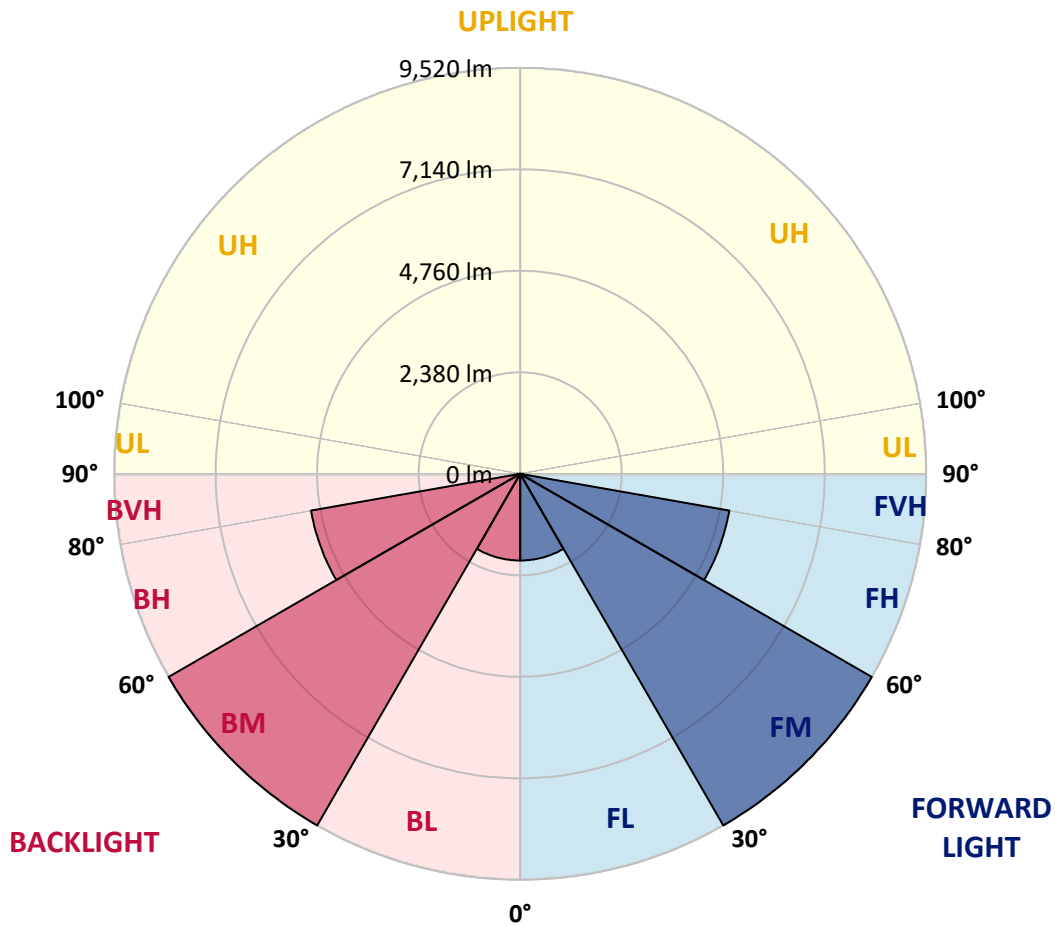
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.9	6.1			
FM (30°-60°)	9519.6	28.7			
FH (60°-80°)	4979.3	15.0			G2/5000
FVH (80°-90°)	65.2	0.2			G1/100
BL (0°-30°)	2031.9	6.1	B3/2500		
BM (30°-60°)	9519.6	28.7	B5		
BH (60°-80°)	4979.3	15.0	B4/5000		G2/5000
BVH (80°-90°)	65.2	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°	3950.2	3950.2	3950.2	3950.2	3950.2	3950.2	3950.2	3950.2	3950.2	3950.2
2.5°	3976.8	3963.5	3973.5	3965.2	3958.5	3951.8	3955.2	3966.8	3971.8	3973.5
5°	4030.1	4018.5	4023.5	4023.5	4011.8	4008.5	4010.1	4018.5	4028.5	4028.5
7.5°	4116.7	4105.1	4116.7	4110.1	4100.1	4096.7	4095.1	4101.7	4116.7	4116.7
10°	4221.6	4208.3	4215.0	4211.6	4200.0	4195.0	4193.3	4203.3	4216.6	4215.0
12.5°	4336.5	4321.6	4329.9	4319.9	4316.6	4311.6	4311.6	4309.9	4318.2	4311.6
15°	4464.8	4454.8	4458.1	4451.4	4456.4	4453.1	4439.8	4433.1	4436.5	4426.5
17.5°	4616.3	4593.0	4604.7	4601.3	4601.3	4608.0	4586.3	4578.0	4584.7	4574.7
20°	4791.2	4767.9	4772.9	4766.2	4757.9	4764.5	4737.9	4744.5	4749.5	4742.9
22.5°	4982.7	4952.7	4951.0	4954.4	4936.1	4937.7	4919.4	4936.1	4946.1	4927.7
25°	5179.2	5147.6	5169.2	5160.9	5137.6	5142.6	5129.2	5145.9	5154.2	5130.9
27.5°	5387.4	5365.7	5385.7	5390.7	5362.4	5382.4	5362.4	5377.4	5385.7	5350.7
30°	5630.5	5608.9	5627.2	5640.5	5607.2	5638.8	5622.2	5632.2	5633.8	5592.2
32.5°	5895.3	5862.0	5908.6	5915.3	5878.6	5916.9	5895.3	5908.6	5916.9	5860.3
35°	6218.4	6176.7	6230.0	6221.7	6190.1	6221.7	6201.7	6221.7	6241.7	6173.4
37.5°	6566.4	6523.1	6579.7	6564.8	6534.8	6556.4	6544.8	6558.1	6589.7	6516.5
40°	6949.5	6896.2	6972.8	6946.1	6917.8	6914.5	6921.1	6929.5	6971.1	6889.5
42.5°	7359.1	7302.5	7417.4	7375.8	7335.8	7309.2	7330.8	7347.5	7387.4	7295.8
45°	7827.1	7762.1	7912.0	7862.1	7798.8	7743.8	7778.8	7803.8	7862.1	7752.1
47.5°	8343.3	8270.1	8429.9	8414.9	8311.7	8191.8	8271.7	8343.3	8386.6	8253.4
50°	8847.9	8791.3	9001.1	9019.5	8892.9	8724.7	8836.3	8944.5	8956.2	8781.3
52.5°	9320.9	9264.3	9569.0	9683.9	9570.7	9370.9	9489.1	9599.0	9510.7	9284.3
55°	9698.9	9652.3	10040.3	10336.7	10375.1	10210.2	10280.1	10276.8	9987.0	9639.0
57.5°	9790.5	9783.9	10273.5	10901.3	11301.0	11321.0	11182.7	10829.7	10205.2	9737.2
60°	9374.2	9415.8	10088.6	11196.1	12261.9	12704.9	12107.0	11099.5	9957.1	9307.6
62.5°	8128.5	8238.4	9049.4	10836.3	13037.9	14296.9	12848.1	10689.8	8937.9	8090.2
65°	5825.3	6016.9	6912.8	9247.6	12968.0	15695.8	12741.5	9172.7	6979.4	6001.9
67.5°	2642.9	2837.7	3598.8	6331.6	11272.7	15316.1	11246.0	6398.2	3778.7	2847.7
70°	957.6	990.9	1235.7	2534.6	7204.2	12203.6	7512.3	2553.0	1314.0	1055.8
72.5°	579.5	584.5	636.2	907.6	2503.0	7409.1	2609.6	937.6	649.5	576.2
75°	368.0	364.7	453.0	554.6	887.6	2499.7	930.9	554.6	451.3	411.3
77.5°	264.8	273.1	324.7	414.7	559.6	847.7	549.6	396.4	324.7	266.5
80°	198.2	203.2	236.5	323.1	393.0	527.9	349.7	293.1	244.8	166.5
82.5°	143.2	143.2	154.9	234.8	239.8	284.8	189.8	206.5	161.5	118.2
85°	84.9	83.3	96.6	139.9	124.9	104.9	86.6	126.6	101.6	73.3
87.5°	30.0	31.6	30.0	40.0	33.3	28.3	26.6	35.0	28.3	25.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3950.2
3973.5
4028.5
4111.7
4211.6
4314.9
4428.1
4583.0
4757.9
4946.1
5157.5
5377.4
5617.2
5898.6
6215.0
6561.4
6916.1
7344.1
7808.8
8298.4
8803.0
9290.9
9650.6
9707.3
9231.0
8040.2
5930.3
2806.1
1042.5
586.2
414.7
271.4
171.5
118.2
71.6
23.3
0.0

OF REPORT)