

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: P942770

Luminaire Tested: **GALN-SB6D-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942770
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-SB6D-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45231 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

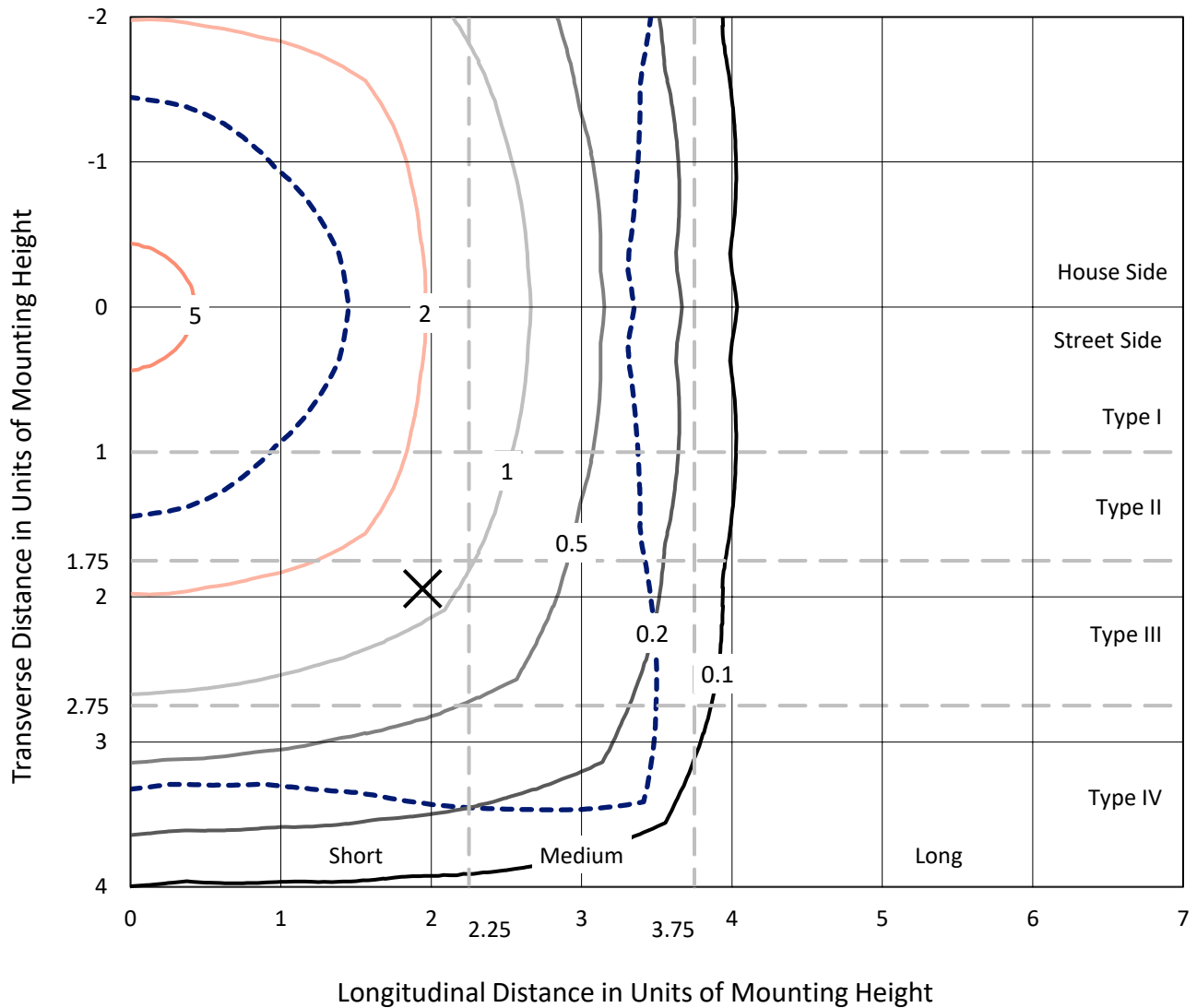
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

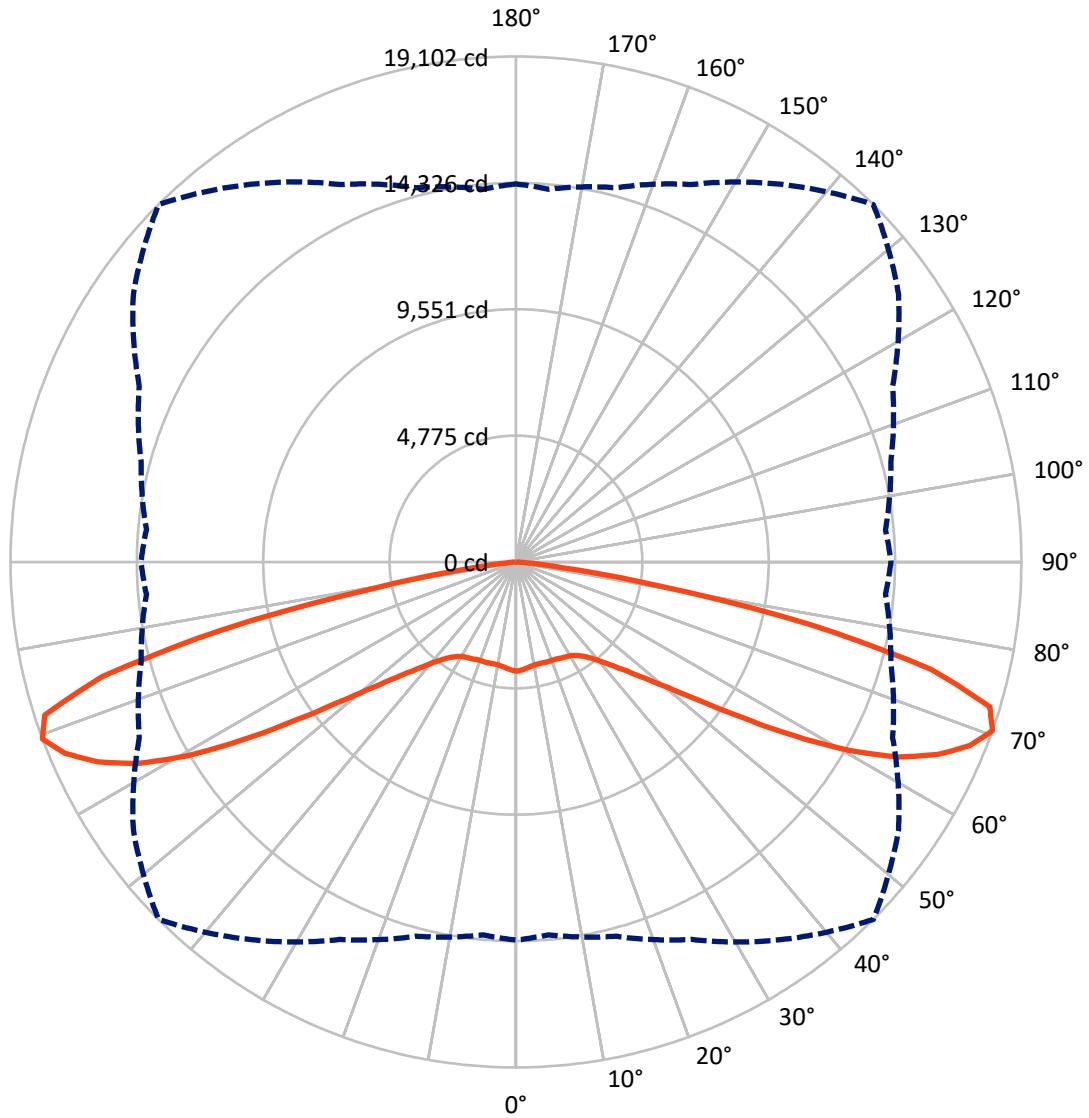
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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
House Side	Lumens	22615.5	0.0	22615.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22615.5	0.0	22615.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45231.0	0.0	45231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	0.8
10°-20°	1127.0	2.5
20°-30°	1875.4	4.1
30°-40°	2836.2	6.3
40°-50°	4713.1	10.4
50°-60°	8893.5	19.7
60°-70°	15017.1	33.2
70°-80°	9867.8	21.8
80°-90°	517.0	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°	45231.0	100.0
0°-180°	45231.0	100.0

Coefficient of Utilization



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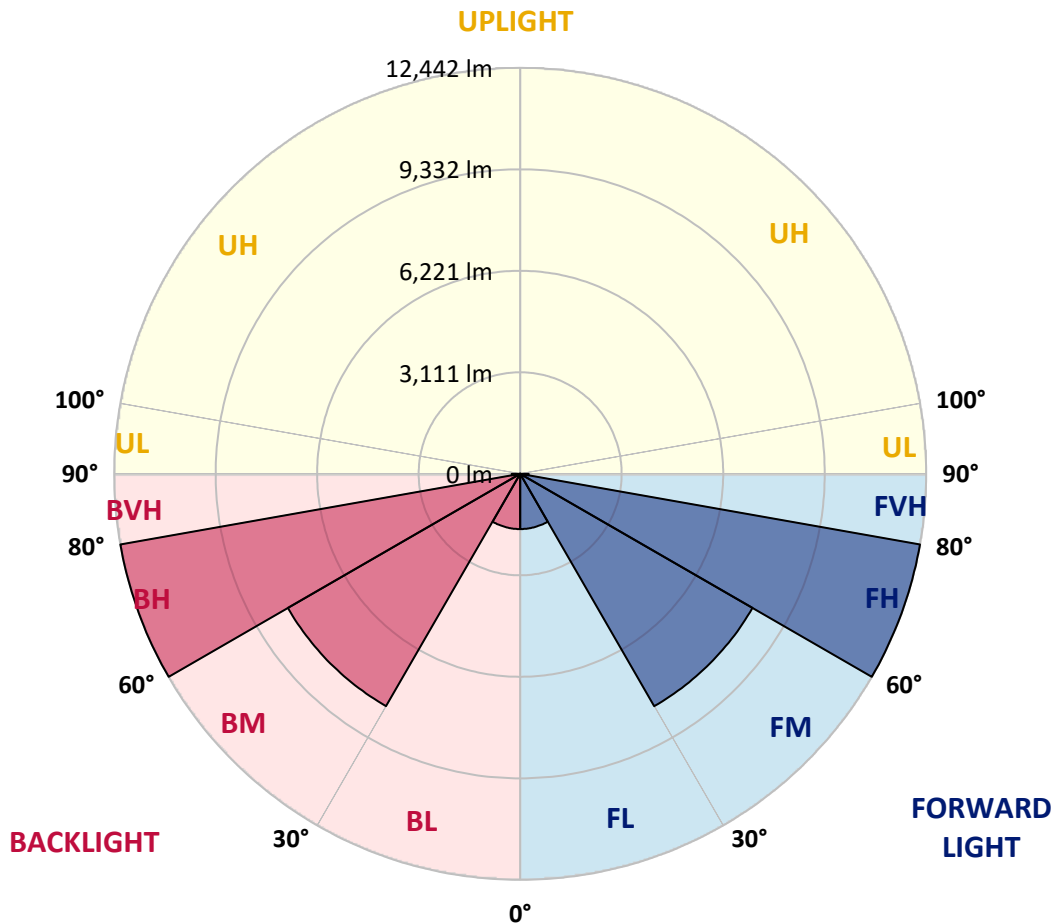
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.1	3.7			
FM (30°-60°)	8221.5	18.2			
FH (60°-80°)	12442.4	27.5			G5
FVH (80°-90°)	258.5	0.6			G3/500
BL (0°-30°)	1693.1	3.7	B3/2500		
BM (30°-60°)	8221.5	18.2	B4/8500		
BH (60°-80°)	12442.4	27.5	B5		G5
BVH (80°-90°)	258.5	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°	4126.0	4126.0	4126.0	4126.0	4126.0	4126.0	4126.0	4126.0	4126.0	4126.0
2.5°	4100.1	4111.9	4107.2	4097.8	4097.8	4090.7	4097.8	4102.5	4109.5	4114.2
5°	4046.0	4055.4	4053.1	4046.0	4048.4	4041.3	4046.0	4053.1	4057.8	4060.2
7.5°	3999.0	4008.4	4003.7	3992.0	3992.0	3984.9	3987.3	3994.3	4001.4	4003.7
10°	3987.3	3996.7	3982.6	3963.8	3956.7	3947.3	3949.7	3956.7	3970.8	3977.9
12.5°	3992.0	3999.0	3984.9	3956.7	3949.7	3940.3	3940.3	3947.3	3966.1	3975.5
15°	4006.1	4013.1	3992.0	3961.4	3954.4	3947.3	3945.0	3954.4	3975.5	3992.0
17.5°	4031.9	4039.0	4006.1	3963.8	3954.4	3956.7	3954.4	3961.4	3994.3	4024.9
20°	4055.4	4060.2	4015.5	3963.8	3954.4	3956.7	3954.4	3968.5	4010.8	4053.1
22.5°	4062.5	4067.2	4024.9	3980.2	3973.2	3975.5	3973.2	3987.3	4027.2	4069.6
25°	4064.9	4071.9	4039.0	4003.7	4015.5	4020.2	4015.5	4017.8	4048.4	4086.0
27.5°	4100.1	4109.5	4079.0	4048.4	4055.4	4053.1	4060.2	4067.2	4090.7	4128.3
30°	4173.0	4180.1	4154.2	4123.6	4118.9	4102.5	4123.6	4147.1	4173.0	4205.9
32.5°	4292.9	4307.0	4274.1	4241.2	4220.0	4210.6	4227.1	4267.0	4302.3	4337.6
35°	4492.7	4502.1	4471.6	4410.4	4372.8	4372.8	4386.9	4438.7	4495.1	4539.8
37.5°	4774.8	4786.6	4732.5	4659.7	4603.2	4603.2	4622.0	4676.1	4760.7	4824.2
40°	5118.1	5134.6	5066.4	4991.1	4937.1	4927.7	4951.2	5012.3	5092.2	5172.2
42.5°	5531.9	5550.7	5461.3	5395.5	5353.2	5353.2	5364.9	5421.4	5494.3	5593.0
45°	6060.8	6093.8	5971.5	5905.7	5865.7	5875.1	5882.2	5931.5	5997.4	6110.2
47.5°	6690.9	6723.8	6594.5	6526.3	6519.3	6563.9	6535.7	6571.0	6606.3	6735.6
50°	7405.6	7462.0	7372.7	7368.0	7382.1	7464.4	7398.5	7417.4	7377.4	7459.7
52.5°	8280.2	8362.5	8346.0	8374.2	8531.7	8701.0	8550.5	8484.7	8334.2	8360.1
55°	9340.5	9465.1	9488.6	9657.8	10015.2	10360.8	10041.1	9775.4	9455.7	9396.9
57.5°	10546.5	10645.3	10758.1	11103.7	11771.4	12385.0	11771.4	11183.6	10680.5	10560.6
60°	11844.3	11966.5	12074.7	12584.8	13576.9	14439.7	13558.1	12624.8	11959.5	11797.2
62.5°	13238.4	13395.9	13471.1	14037.7	15194.4	16224.1	15210.9	14080.0	13341.8	13167.9
65°	14576.1	14705.4	14790.0	15394.2	16499.2	17531.3	16574.4	15460.1	14700.7	14472.7
67.5°	15199.1	15269.6	15476.5	16160.7	17326.8	18504.6	17524.2	16233.5	15384.8	14985.2
70°	14286.9	14143.5	14641.9	15737.5	17425.5	19101.7	17651.2	15704.6	14665.4	14016.6
72.5°	11040.2	10793.4	11658.5	13532.3	16297.0	18720.9	16409.9	13638.1	12196.9	10880.4
75°	6006.8	5727.0	6921.3	9291.1	12996.2	16226.5	13294.8	9556.8	7706.5	5962.1
77.5°	1695.1	1589.3	2553.2	4495.1	7817.0	11392.9	8117.9	4593.8	3028.1	1796.2
80°	519.6	503.1	681.8	1354.2	3319.6	5456.6	3190.3	1370.6	867.5	547.8
82.5°	308.0	282.1	338.5	493.7	846.4	1713.9	822.8	514.9	413.8	277.4
85°	176.3	164.6	199.8	239.8	284.5	364.4	237.4	244.5	221.0	148.1
87.5°	72.9	65.8	77.6	75.2	65.8	84.6	63.5	75.2	89.3	58.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4126.0
4111.9
4060.2
4003.7
3977.9
3977.9
3994.3
4024.9
4055.4
4069.6
4083.7
4118.9
4198.9
4323.5
4523.3
4800.7
5146.3
5585.9
6105.5
6698.0
7410.3
8273.1
9305.2
10476.0
11656.2
13026.8
14359.8
14989.9
14171.7
11207.1
6350.0
1996.0
578.3
300.9
155.2
54.1
0.0

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