

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: P942600

Luminaire Tested: **GALN-SB6C-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942600
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-SB6C-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33288 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

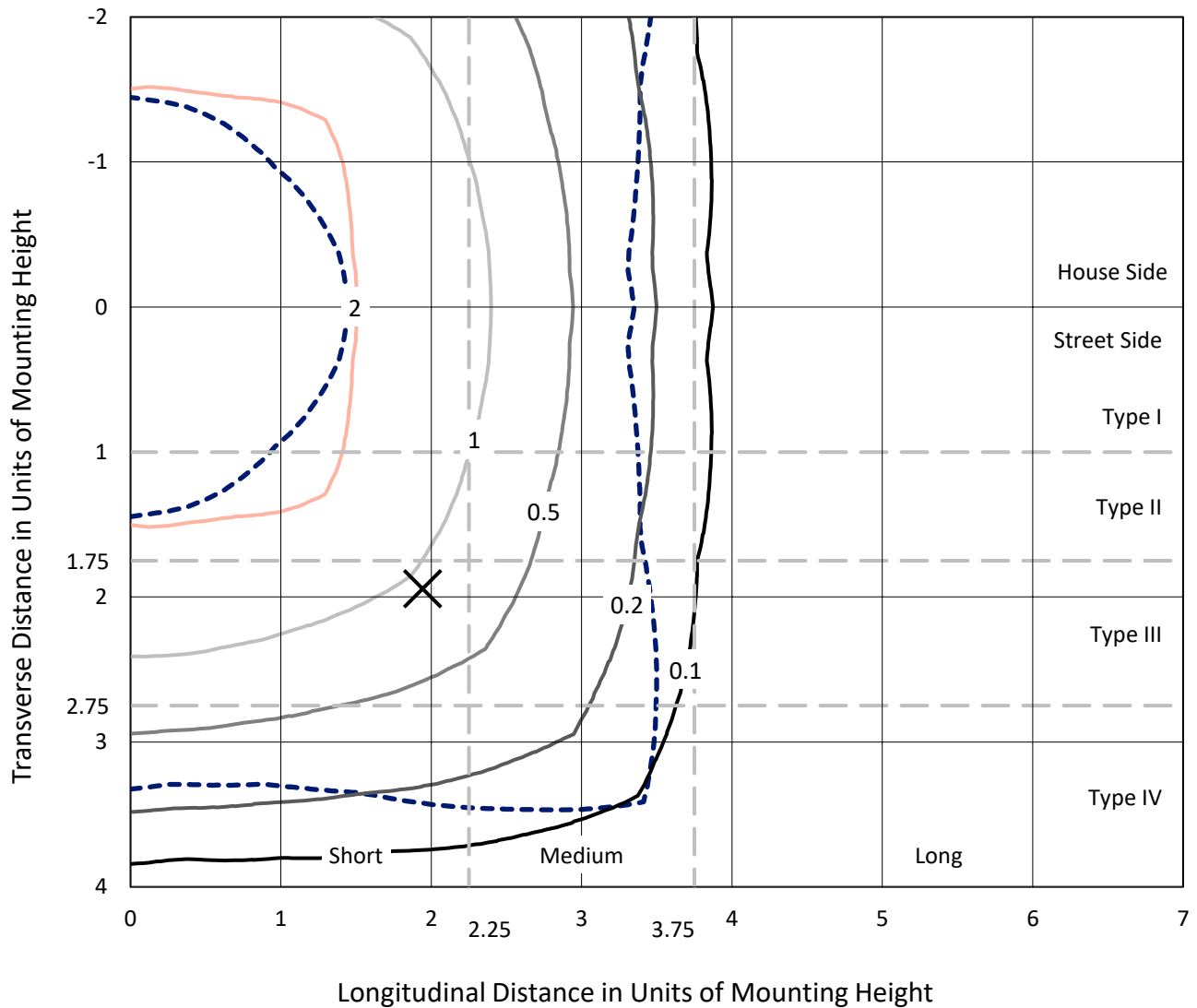
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

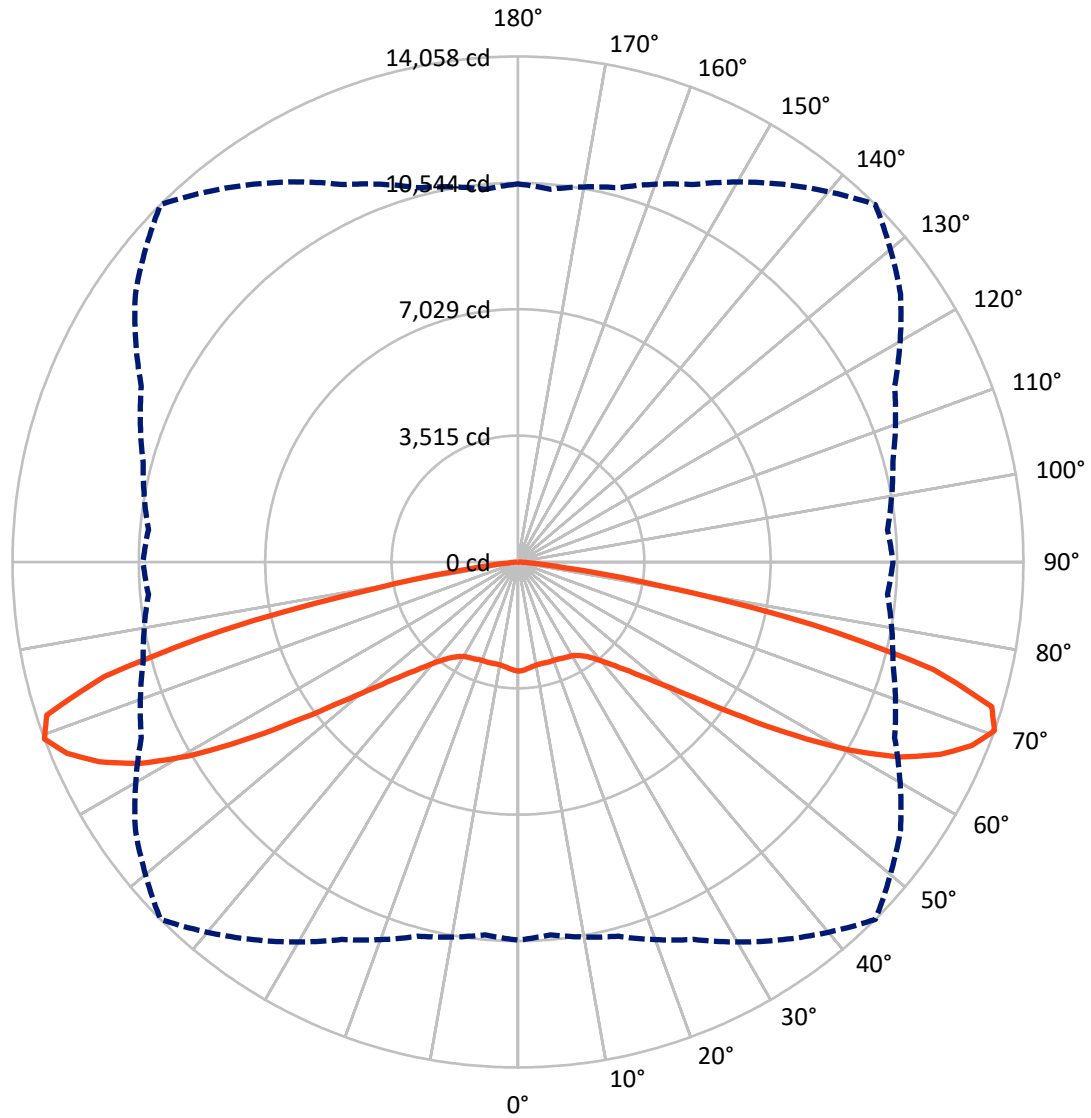
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	16644.0	0.0	16644.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16644.0	0.0	16644.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33288.0	0.0	33288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.5	0.8
10°-20°	829.4	2.5
20°-30°	1380.2	4.1
30°-40°	2087.3	6.3
40°-50°	3468.7	10.4
50°-60°	6545.2	19.7
60°-70°	11051.9	33.2
70°-80°	7262.2	21.8
80°-90°	380.5	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°	33288.0	100.0
0°-180°	33288.0	100.0

Coefficient of Utilization



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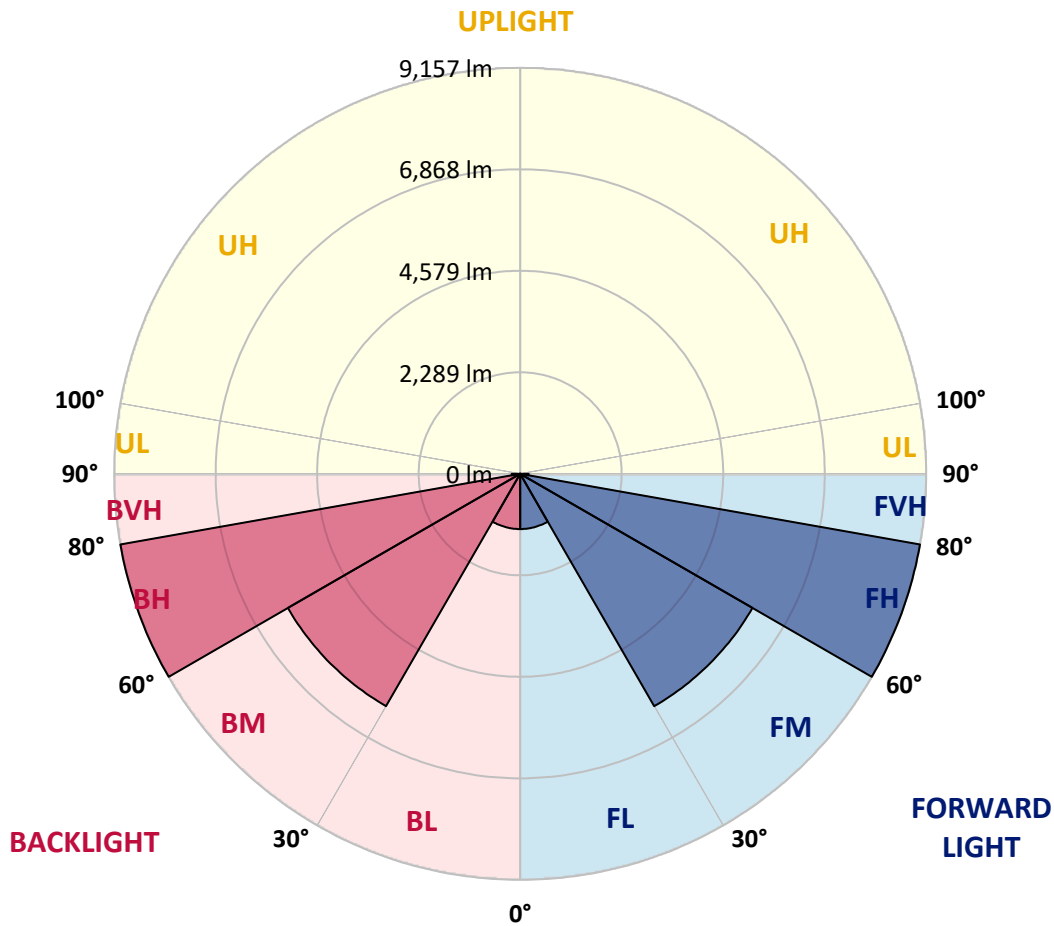
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.1	3.7			
FM (30°-60°)	6050.6	18.2			
FH (60°-80°)	9157.1	27.5			G4/12000
FVH (80°-90°)	190.2	0.6			G2/225
BL (0°-30°)	1246.1	3.7	B3/2500		
BM (30°-60°)	6050.6	18.2	B4/8500		
BH (60°-80°)	9157.1	27.5	B5		G4/12000
BVH (80°-90°)	190.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3036.5	3036.5	3036.5	3036.5	3036.5	3036.5	3036.5	3036.5	3036.5	3036.5
2.5°	3017.5	3026.2	3022.7	3015.8	3015.8	3010.6	3015.8	3019.2	3024.4	3027.9
5°	2977.7	2984.6	2982.9	2977.7	2979.4	2974.2	2977.7	2982.9	2986.4	2988.1
7.5°	2943.1	2950.0	2946.6	2937.9	2937.9	2932.7	2934.5	2939.6	2944.8	2946.6
10°	2934.5	2941.4	2931.0	2917.2	2912.0	2905.0	2906.8	2912.0	2922.3	2927.5
12.5°	2937.9	2943.1	2932.7	2912.0	2906.8	2899.8	2899.8	2905.0	2918.9	2925.8
15°	2948.3	2953.5	2937.9	2915.4	2910.2	2905.0	2903.3	2910.2	2925.8	2937.9
17.5°	2967.3	2972.5	2948.3	2917.2	2910.2	2912.0	2910.2	2915.4	2939.6	2962.1
20°	2984.6	2988.1	2955.2	2917.2	2910.2	2912.0	2910.2	2920.6	2951.8	2982.9
22.5°	2989.8	2993.3	2962.1	2929.3	2924.1	2925.8	2924.1	2934.5	2963.9	2995.0
25°	2991.6	2996.7	2972.5	2946.6	2955.2	2958.7	2955.2	2956.9	2979.4	3007.1
27.5°	3017.5	3024.4	3001.9	2979.4	2984.6	2982.9	2988.1	2993.3	3010.6	3038.3
30°	3071.1	3076.3	3057.3	3034.8	3031.3	3019.2	3034.8	3052.1	3071.1	3095.4
32.5°	3159.4	3169.8	3145.5	3121.3	3105.7	3098.8	3110.9	3140.3	3166.3	3192.3
35°	3306.5	3313.4	3290.9	3245.9	3218.2	3218.2	3228.6	3266.7	3308.2	3341.1
37.5°	3514.1	3522.7	3482.9	3429.3	3387.8	3387.8	3401.6	3441.4	3503.7	3550.4
40°	3766.7	3778.8	3728.6	3673.3	3633.5	3626.5	3643.8	3688.8	3747.7	3806.5
42.5°	4071.2	4085.0	4019.3	3970.9	3939.7	3939.7	3948.4	3989.9	4043.5	4116.2
45°	4460.5	4484.7	4394.8	4346.3	4316.9	4323.8	4329.0	4365.3	4413.8	4496.8
47.5°	4924.2	4948.4	4853.3	4803.1	4797.9	4830.8	4810.0	4836.0	4861.9	4957.1
50°	5450.2	5491.7	5426.0	5422.5	5432.9	5493.4	5445.0	5458.8	5429.4	5490.0
52.5°	6093.8	6154.4	6142.3	6163.0	6279.0	6403.5	6292.8	6244.4	6133.6	6152.7
55°	6874.2	6965.9	6983.2	7107.7	7370.7	7625.1	7389.8	7194.3	6958.9	6915.7
57.5°	7761.8	7834.4	7917.5	8171.8	8663.2	9114.8	8663.2	8230.7	7860.4	7772.1
60°	8716.8	8806.8	8886.4	9261.9	9992.0	10627.0	9978.2	9291.3	8801.6	8682.2
62.5°	9742.9	9858.8	9914.2	10331.1	11182.4	11940.2	11194.5	10362.3	9819.0	9691.0
65°	10727.4	10822.5	10884.8	11329.5	12142.7	12902.2	12198.0	11377.9	10819.1	10651.2
67.5°	11185.9	11237.8	11390.0	11893.5	12751.7	13618.6	12897.1	11947.2	11322.6	11028.4
70°	10514.5	10409.0	10775.8	11582.1	12824.4	14058.0	12990.5	11557.9	10793.1	10315.6
72.5°	8125.1	7943.4	8580.2	9959.1	11993.9	13777.7	12076.9	10037.0	8976.4	8007.5
75°	4420.7	4214.8	5093.8	6837.8	9564.7	11942.0	9784.4	7033.3	5671.7	4387.8
77.5°	1247.5	1169.6	1879.0	3308.2	5753.0	8384.6	5974.4	3380.8	2228.5	1321.9
80°	382.4	370.3	501.8	996.6	2443.1	4015.8	2347.9	1008.7	638.5	403.1
82.5°	226.7	207.6	249.2	363.3	622.9	1261.3	605.6	378.9	304.5	204.2
85°	129.8	121.1	147.1	176.5	209.4	268.2	174.8	179.9	162.6	109.0
87.5°	53.6	48.4	57.1	55.4	48.4	62.3	46.7	55.4	65.7	43.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3036.5
3026.2
2988.1
2946.6
2927.5
2927.5
2939.6
2962.1
2984.6
2995.0
3005.4
3031.3
3090.2
3181.9
3328.9
3533.1
3787.5
4111.0
4493.4
4929.4
5453.7
6088.6
6848.2
7709.9
8578.4
9587.1
10568.2
11031.9
10429.8
8248.0
4673.3
1469.0
425.6
221.5
114.2
39.8
0.0

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