

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: P949073

Luminaire Tested: **GALN-SB3D-940-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949073  
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-SB3D-940-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

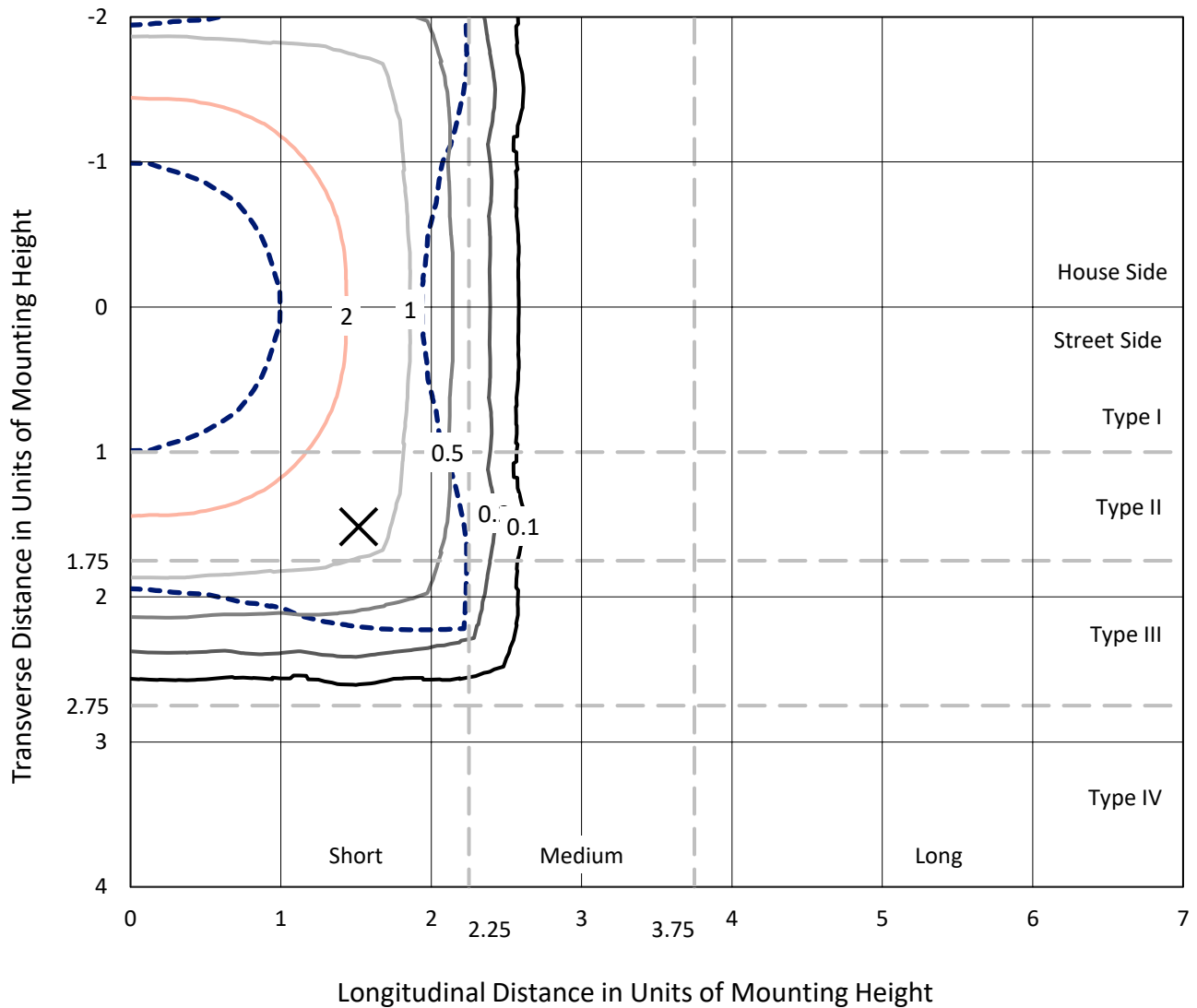
Lumens per Lamp: N/A  
Luminaire Lumens: 23184 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

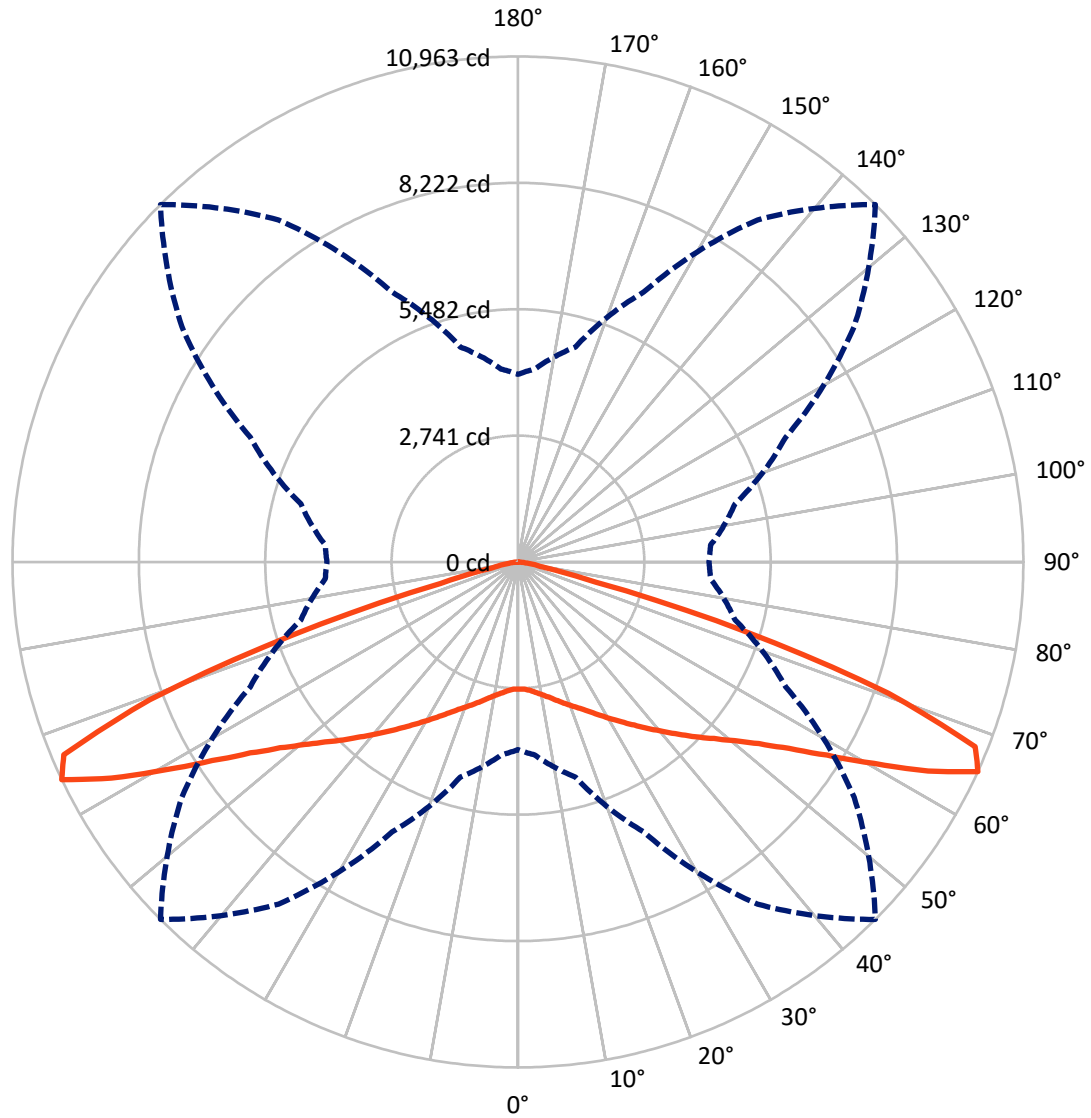
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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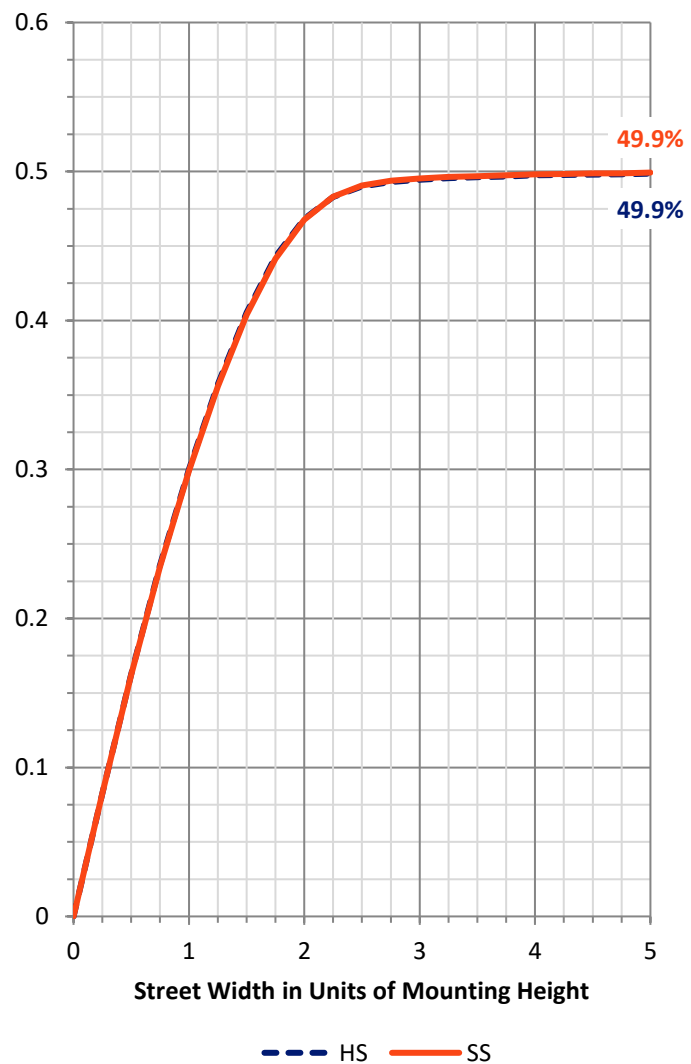
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11592.0	0.0	11592.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11592.0	0.0	11592.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23184.0	0.0	23184.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.3	1.2
10°-20°	888.5	3.8
20°-30°	1677.6	7.2
30°-40°	2747.1	11.8
40°-50°	4259.4	18.4
50°-60°	6292.0	27.1
60°-70°	5989.4	25.8
70°-80°	966.5	4.2
80°-90°	91.1	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°	23184.0	100.0
0°-180°	23184.0	100.0

**Coefficient of Utilization**



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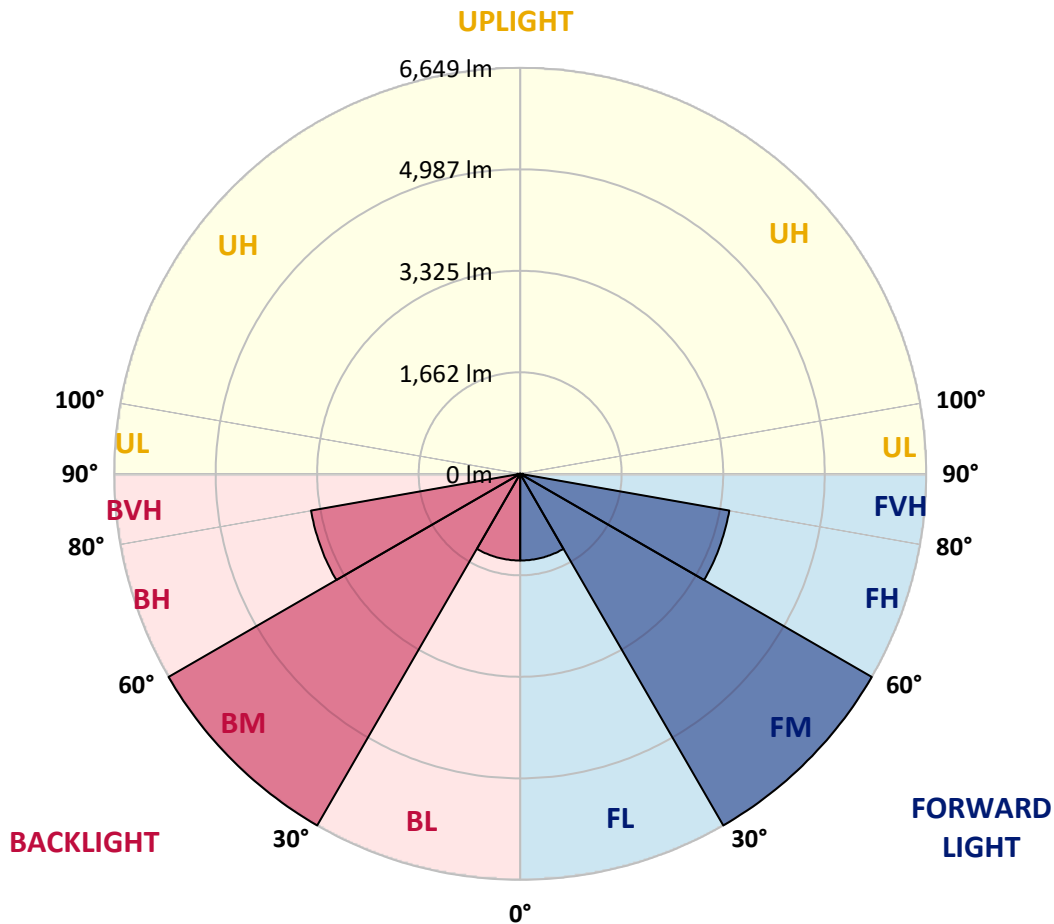
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1419.2	6.1			
FM (30°-60°)	6649.3	28.7			
FH (60°-80°)	3477.9	15.0			G2/5000
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	1419.2	6.1	B3/2500		
BM (30°-60°)	6649.3	28.7	B4/8500		
BH (60°-80°)	3477.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	45.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1	2759.1
2.5°	2777.7	2768.4	2775.4	2769.6	2764.9	2760.3	2762.6	2770.8	2774.2	2775.4
5°	2815.0	2806.8	2810.3	2810.3	2802.2	2799.8	2801.0	2806.8	2813.8	2813.8
7.5°	2875.4	2867.3	2875.4	2870.8	2863.8	2861.5	2860.3	2865.0	2875.4	2875.4
10°	2948.7	2939.4	2944.1	2941.8	2933.6	2930.1	2929.0	2935.9	2945.2	2944.1
12.5°	3029.0	3018.5	3024.3	3017.4	3015.0	3011.5	3011.5	3010.4	3016.2	3011.5
15°	3118.6	3111.6	3113.9	3109.3	3112.7	3110.4	3101.1	3096.5	3098.8	3091.8
17.5°	3224.4	3208.1	3216.3	3213.9	3213.9	3218.6	3203.5	3197.7	3202.3	3195.3
20°	3346.5	3330.3	3333.8	3329.1	3323.3	3327.9	3309.3	3314.0	3317.5	3312.8
22.5°	3480.3	3459.4	3458.2	3460.5	3447.7	3448.9	3436.1	3447.7	3454.7	3441.9
25°	3617.6	3595.5	3610.6	3604.8	3588.5	3592.0	3582.7	3594.3	3600.1	3583.8
27.5°	3763.0	3747.9	3761.8	3765.3	3745.5	3759.5	3745.5	3756.0	3761.8	3737.4
30°	3932.8	3917.7	3930.5	3939.8	3916.5	3938.6	3927.0	3934.0	3935.1	3906.1
32.5°	4117.8	4094.5	4127.1	4131.7	4106.1	4132.9	4117.8	4127.1	4132.9	4093.3
35°	4343.4	4314.3	4351.6	4345.7	4323.6	4345.7	4331.8	4345.7	4359.7	4312.0
37.5°	4586.5	4556.3	4595.8	4585.4	4564.4	4579.5	4571.4	4580.7	4602.8	4551.6
40°	4854.1	4816.8	4870.3	4851.7	4832.0	4829.6	4834.3	4840.1	4869.2	4812.2
42.5°	5140.2	5100.7	5180.9	5151.8	5123.9	5105.3	5120.4	5132.1	5160.0	5096.0
45°	5467.1	5421.7	5526.4	5491.5	5447.3	5408.9	5433.3	5450.8	5491.5	5414.7
47.5°	5827.7	5776.5	5888.2	5877.7	5805.6	5721.8	5777.7	5827.7	5857.9	5764.9
50°	6180.1	6140.6	6287.1	6299.9	6211.5	6094.0	6172.0	6247.6	6255.7	6133.6
52.5°	6510.5	6470.9	6683.8	6764.1	6685.0	6545.4	6628.0	6704.7	6643.1	6484.9
55°	6774.5	6741.9	7013.0	7220.0	7246.8	7131.6	7180.5	7178.2	6975.8	6732.6
57.5°	6838.5	6833.8	7175.8	7614.4	7893.5	7907.5	7810.9	7564.3	7128.1	6801.3
60°	6547.7	6576.8	7046.7	7820.2	8564.7	8874.1	8456.5	7752.8	6954.8	6501.2
62.5°	5677.6	5754.4	6320.9	7569.0	9106.8	9986.1	8974.1	7466.6	6242.9	5650.9
65°	4068.9	4202.7	4828.5	6459.3	9057.9	10963.2	8899.7	6406.9	4875.0	4192.2
67.5°	1846.0	1982.1	2513.7	4422.5	7873.8	10698.0	7855.1	4469.0	2639.3	1989.1
70°	668.8	692.1	863.1	1770.4	5032.0	8524.0	5247.2	1783.2	917.8	737.5
72.5°	404.8	408.3	444.3	633.9	1748.3	5175.1	1822.7	654.9	453.7	402.5
75°	257.1	254.7	316.4	387.3	620.0	1746.0	650.2	387.3	315.2	287.3
77.5°	184.9	190.8	226.8	289.6	390.8	592.1	383.9	276.8	226.8	186.1
80°	138.4	141.9	165.2	225.7	274.5	368.7	244.3	204.7	171.0	116.3
82.5°	100.0	100.0	108.2	164.0	167.5	198.9	132.6	144.2	112.8	82.6
85°	59.3	58.2	67.5	97.7	87.2	73.3	60.5	88.4	71.0	51.2
87.5°	20.9	22.1	20.9	27.9	23.3	19.8	18.6	24.4	19.8	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2759.1
2775.4
2813.8
2872.0
2941.8
3013.9
3093.0
3201.1
3323.3
3454.7
3602.5
3756.0
3923.5
4120.1
4341.1
4583.0
4830.8
5129.7
5454.3
5796.3
6148.7
6489.5
6740.8
6780.3
6447.7
5616.0
4142.2
1960.0
728.2
409.4
289.6
189.6
119.8
82.6
50.0
16.3
0.0

OF REPORT)