

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: P949072

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
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-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

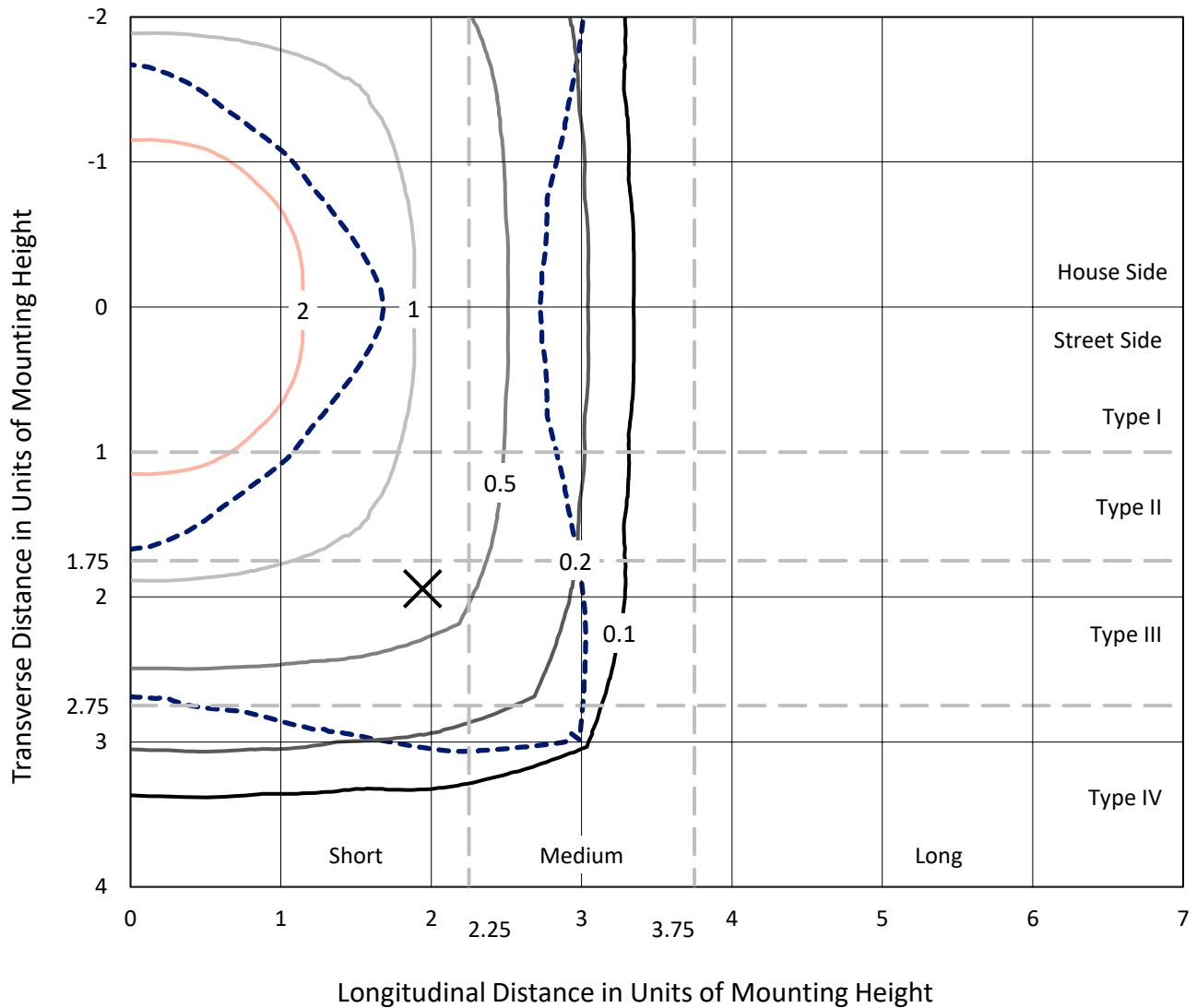
Lumens per Lamp: N/A  
Luminaire Lumens: 23170 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

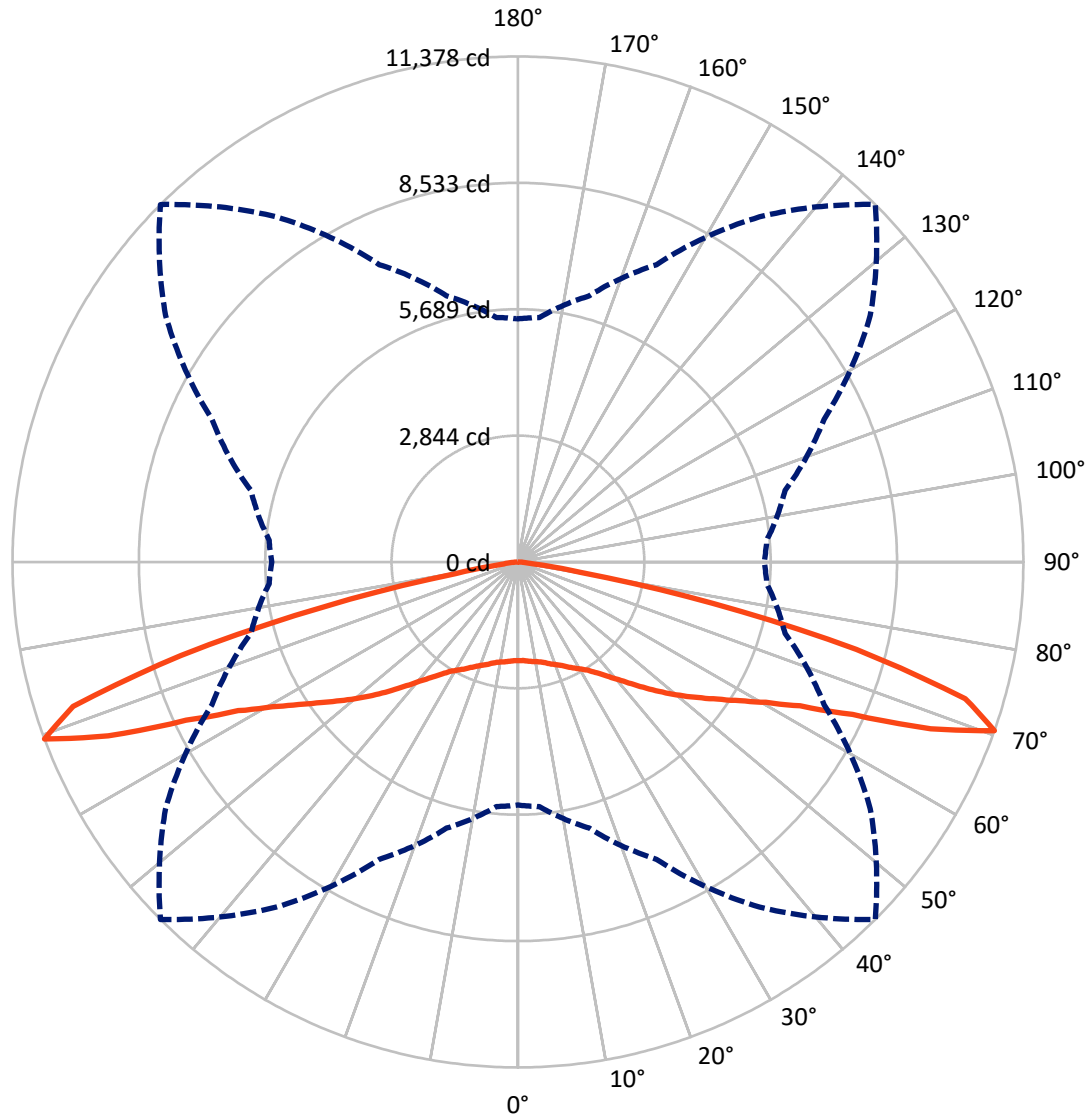
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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
<b>House Side</b>	Lumens	11585.0	0.0	11585.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11585.0	0.0	11585.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23170.0	0.0	23170.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.6	0.9
10°-20°	668.6	2.9
20°-30°	1194.9	5.2
30°-40°	1936.9	8.4
40°-50°	3154.9	13.6
50°-60°	4810.1	20.8
60°-70°	7155.9	30.9
70°-80°	3900.2	16.8
80°-90°	132.8	0.6
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°	23170.0	100.0
0°-180°	23170.0	100.0

**Coefficient of Utilization**



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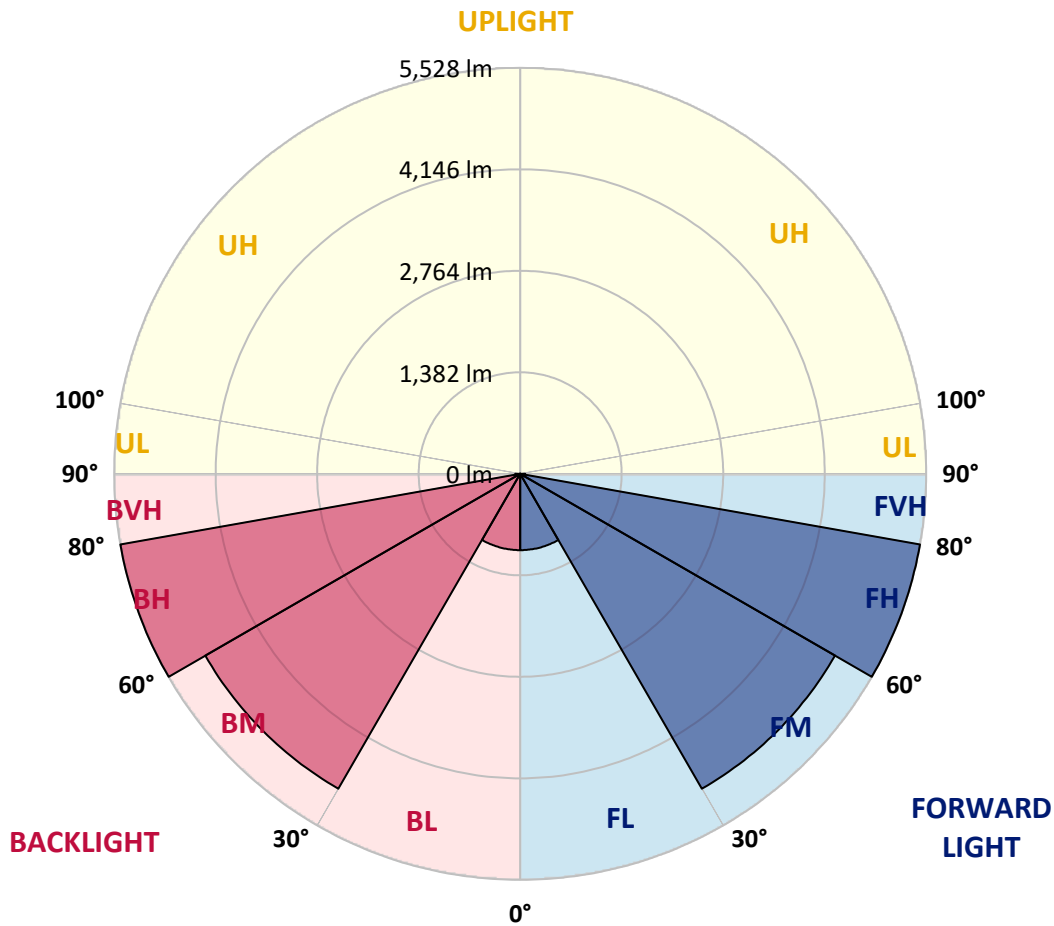
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1039.6	4.5			
FM (30°-60°)	4951.0	21.4			
FH (60°-80°)	5528.1	23.9			G3/7500
FVH (80°-90°)	66.4	0.3			G1/100
BL (0°-30°)	1039.6	4.5	B3/2500		
BM (30°-60°)	4951.0	21.4	B3/5000		
BH (60°-80°)	5528.1	23.9	B5		G3/7500
BVH (80°-90°)	66.4	0.3			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°	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4	2219.4
2.5°	2229.9	2232.2	2227.6	2225.3	2222.9	2219.4	2220.6	2226.4	2231.1	2229.9
5°	2248.5	2250.9	2247.4	2246.2	2241.5	2240.4	2240.4	2246.2	2249.7	2247.4
7.5°	2269.5	2273.0	2267.1	2266.0	2263.6	2261.3	2260.2	2266.0	2269.5	2269.5
10°	2289.2	2292.7	2288.1	2284.6	2282.3	2282.3	2279.9	2284.6	2290.4	2289.2
12.5°	2310.2	2312.5	2307.9	2305.5	2305.5	2309.0	2305.5	2307.9	2312.5	2310.2
15°	2335.8	2336.9	2335.8	2339.3	2345.1	2356.7	2346.2	2343.9	2346.2	2340.4
17.5°	2370.7	2373.0	2377.6	2385.8	2393.9	2414.9	2396.3	2390.4	2390.4	2378.8
20°	2413.7	2417.2	2424.2	2438.1	2448.6	2468.4	2449.8	2441.6	2438.1	2423.0
22.5°	2459.1	2464.9	2475.4	2494.0	2512.6	2531.2	2512.6	2498.6	2488.2	2468.4
25°	2511.4	2518.4	2534.7	2564.9	2590.5	2617.3	2595.2	2567.3	2546.3	2518.4
27.5°	2585.9	2594.0	2613.8	2651.0	2683.6	2706.8	2685.9	2649.8	2620.8	2587.0
30°	2690.6	2698.7	2722.0	2761.5	2783.6	2798.7	2784.8	2756.9	2722.0	2683.6
32.5°	2825.5	2836.0	2861.6	2898.8	2903.4	2905.8	2901.1	2887.1	2861.6	2815.0
35°	2996.5	3008.1	3037.2	3067.4	3062.8	3067.4	3060.5	3055.8	3037.2	2983.7
37.5°	3205.9	3219.8	3250.1	3273.3	3261.7	3255.9	3257.0	3258.2	3247.7	3188.4
40°	3449.0	3467.6	3489.7	3514.1	3494.3	3476.9	3488.5	3497.8	3488.5	3428.0
42.5°	3699.1	3725.8	3749.1	3784.0	3767.7	3745.6	3761.9	3772.4	3752.6	3687.4
45°	3977.1	4002.7	4032.9	4085.3	4073.6	4050.4	4073.6	4076.0	4042.2	3965.5
47.5°	4264.4	4291.2	4336.5	4406.3	4401.7	4376.1	4406.3	4390.0	4347.0	4255.1
50°	4536.6	4573.8	4643.6	4741.3	4750.6	4719.2	4759.9	4728.5	4656.4	4541.3
52.5°	4792.5	4832.1	4942.6	5075.2	5108.9	5068.2	5122.9	5068.2	4960.0	4812.3
55°	5061.2	5105.4	5236.9	5410.2	5477.7	5447.4	5498.6	5416.0	5262.5	5083.3
57.5°	5377.6	5404.4	5561.4	5767.3	5881.3	5888.3	5911.5	5772.0	5585.8	5382.3
60°	5720.8	5758.0	5929.0	6175.6	6355.9	6414.1	6389.6	6182.6	5966.2	5732.4
62.5°	6160.5	6201.2	6405.9	6701.4	6986.4	7130.6	7035.2	6735.1	6467.6	6187.2
65°	6524.6	6569.9	6939.8	7466.8	7985.6	8275.2	8035.6	7483.1	7001.5	6606.0
67.5°	6260.5	6316.3	6896.8	7864.6	9154.6	10018.9	9198.8	7983.3	7039.9	6503.6
70°	5471.8	5524.2	6201.2	7384.2	9483.8	11377.6	9681.6	7601.7	6223.3	5623.1
72.5°	3632.8	3801.4	4486.6	5905.7	8468.3	10528.4	8552.1	5785.9	4162.0	3624.6
75°	1205.1	1340.0	1807.7	3061.6	5671.9	7873.9	5399.7	2709.2	1431.9	1030.6
77.5°	303.6	350.1	482.7	875.9	2262.5	4483.1	2036.8	715.4	389.7	272.2
80°	147.7	162.9	232.6	292.0	566.5	1425.0	531.6	274.5	183.8	141.9
82.5°	81.4	82.6	131.4	165.2	210.5	368.7	218.7	160.5	105.9	86.1
85°	50.0	48.9	69.8	88.4	88.4	131.4	104.7	88.4	60.5	53.5
87.5°	19.8	19.8	25.6	27.9	24.4	33.7	26.8	29.1	23.3	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2219.4
2231.1
2248.5
2269.5
2289.2
2309.0
2340.4
2378.8
2423.0
2467.2
2517.2
2585.9
2683.6
2816.2
2983.7
3188.4
3428.0
3692.1
3973.6
4249.3
4538.9
4798.3
5058.9
5354.4
5695.2
6138.4
6540.9
6423.4
5542.8
3507.1
974.8
243.1
130.3
86.1
55.8
23.3
0.0

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