

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: P949076

Luminaire Tested: **GALN-SB3D-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
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-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

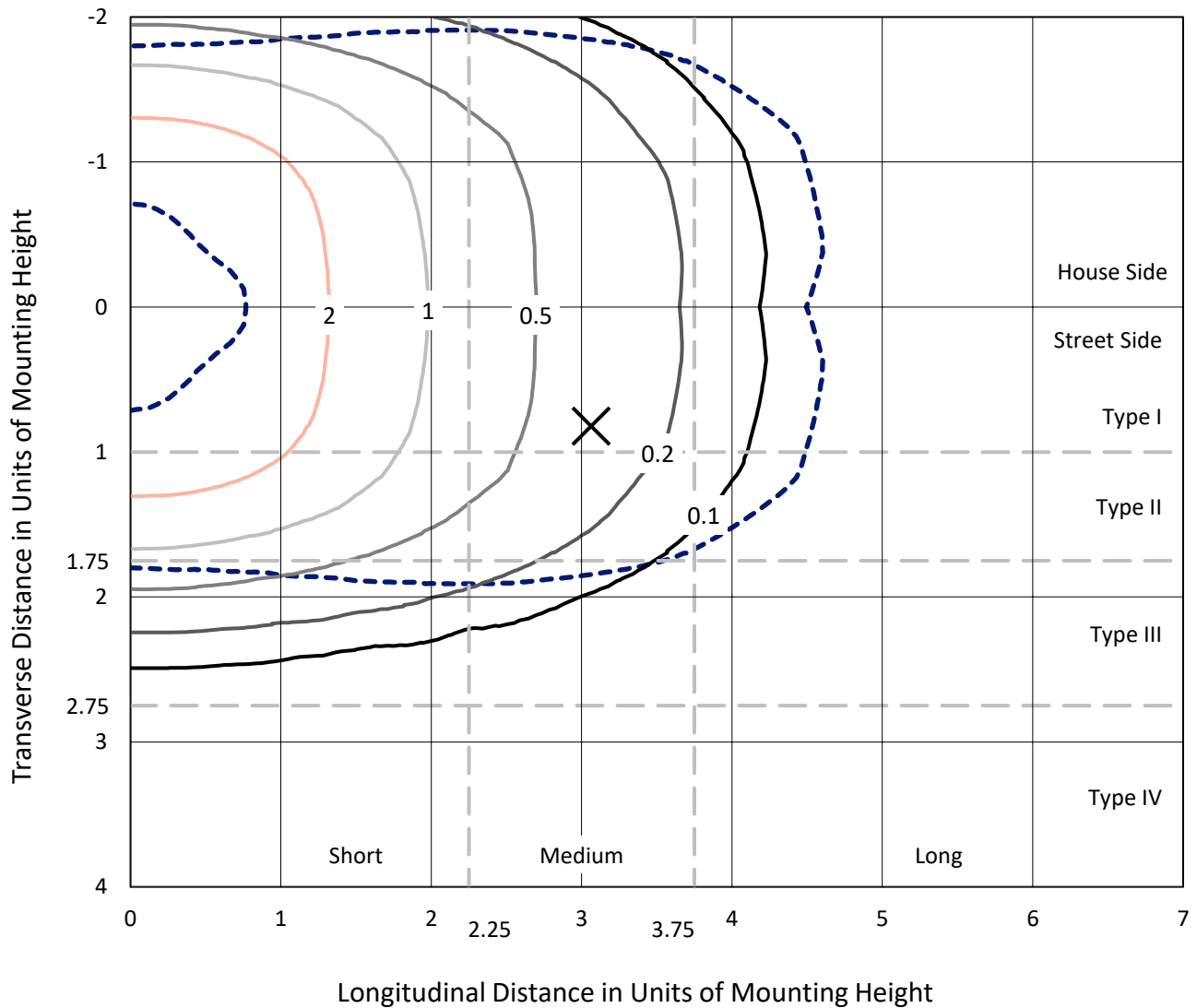
Lumens per Lamp: N/A  
Luminaire Lumens: 22783 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

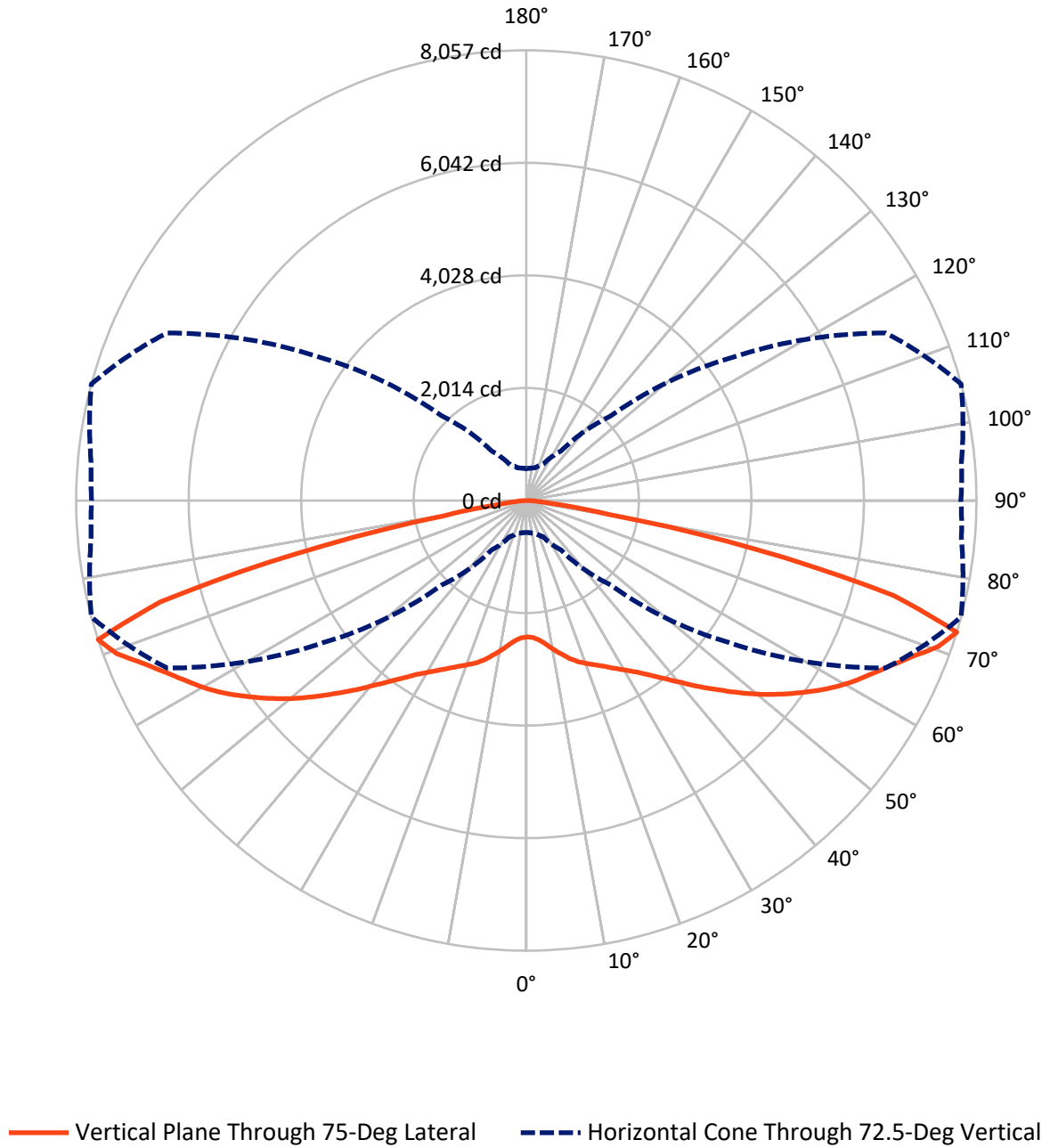
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11391.5	0.0	11391.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11391.5	0.0	11391.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22783.0	0.0	22783.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.1	1.0
10°-20°	788.5	3.5
20°-30°	1523.6	6.7
30°-40°	2572.7	11.3
40°-50°	4080.0	17.9
50°-60°	5462.6	24.0
60°-70°	5198.6	22.8
70°-80°	2712.7	11.9
80°-90°	205.3	0.9
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°	22783.0	100.0
0°-180°	22783.0	100.0

**Coefficient of Utilization**



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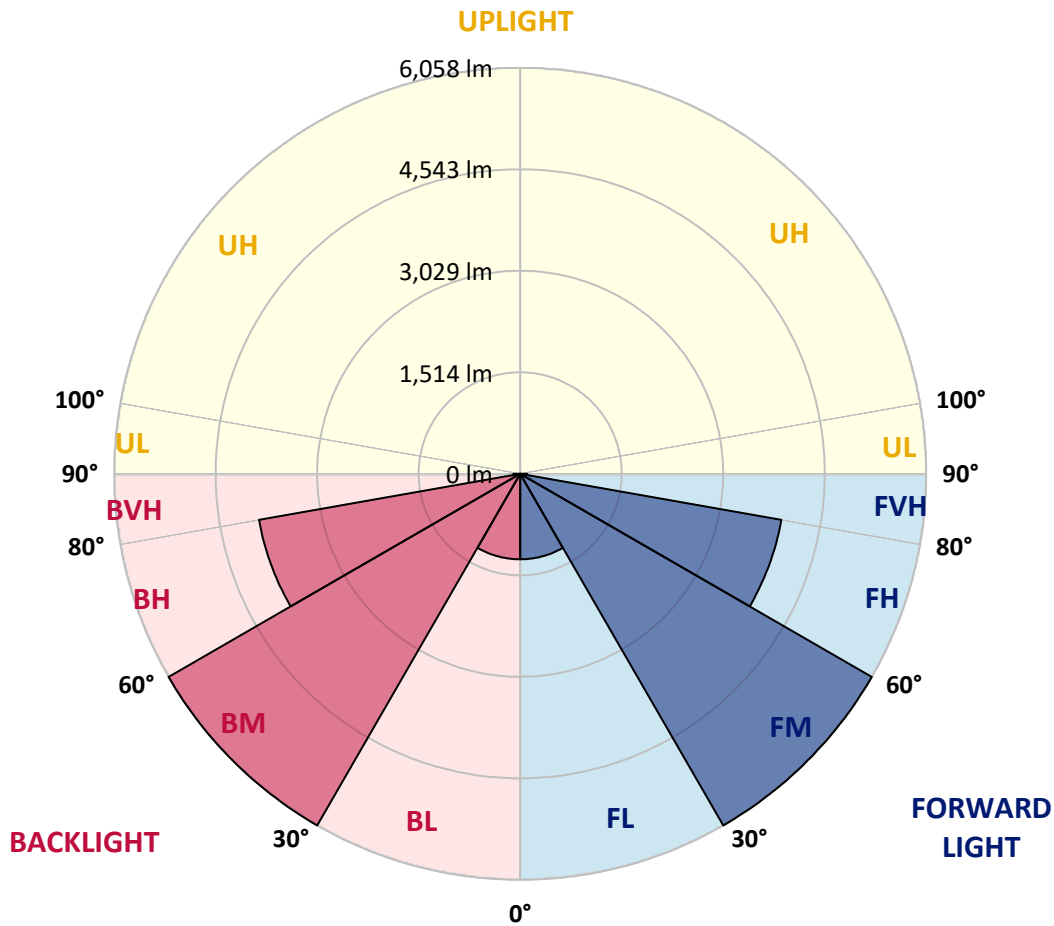
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.6	5.6			
FM (30°-60°)	6057.6	26.6			
FH (60°-80°)	3955.7	17.4			G2/5000
FVH (80°-90°)	102.7	0.5			G2/225
BL (0°-30°)	1275.6	5.6	B3/2500		
BM (30°-60°)	6057.6	26.6	B4/8500		
BH (60°-80°)	3955.7	17.4	B4/5000		G4/5000
BVH (80°-90°)	102.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5
2.5°	2440.5	2438.1	2440.5	2442.8	2441.6	2441.6	2447.4	2450.9	2457.9	2456.8
5°	2424.2	2423.0	2432.3	2442.8	2450.9	2464.9	2482.3	2495.1	2511.4	2514.9
7.5°	2416.0	2412.5	2428.8	2447.4	2473.0	2507.9	2541.7	2576.6	2604.5	2613.8
10°	2421.9	2423.0	2445.1	2480.0	2520.7	2569.6	2617.3	2676.6	2716.2	2725.5
12.5°	2448.6	2446.3	2483.5	2539.3	2595.2	2656.8	2712.7	2777.8	2820.8	2842.9
15°	2497.5	2492.8	2545.2	2627.7	2709.2	2781.3	2826.7	2888.3	2938.3	2966.2
17.5°	2555.6	2558.0	2626.6	2733.6	2840.6	2922.0	2965.1	2996.5	3034.9	3059.3
20°	2658.0	2662.6	2739.4	2866.2	2988.4	3081.4	3116.3	3104.7	3115.1	3133.8
22.5°	2795.3	2797.6	2883.7	3020.9	3148.9	3251.2	3274.5	3226.8	3197.7	3210.5
25°	2954.6	2969.7	3055.8	3196.6	3328.0	3425.7	3436.2	3364.1	3292.0	3295.4
27.5°	3148.9	3162.8	3250.1	3389.7	3523.4	3608.4	3607.2	3510.6	3404.8	3378.0
30°	3359.4	3374.5	3464.1	3608.4	3732.8	3807.3	3791.0	3675.8	3524.6	3474.6
32.5°	3609.5	3618.8	3709.6	3853.8	3969.0	4028.3	3994.5	3852.6	3664.2	3607.2
35°	3912.0	3925.9	3993.4	4129.5	4230.7	4279.5	4222.5	4055.0	3843.3	3779.4
37.5°	4257.4	4248.1	4324.9	4445.9	4529.6	4559.9	4481.9	4283.0	4048.1	3972.4
40°	4618.0	4613.4	4697.1	4813.5	4858.8	4877.4	4762.3	4544.8	4284.2	4202.8
42.5°	4944.9	4941.4	5054.3	5183.4	5238.0	5217.1	5071.7	4822.8	4557.6	4464.5
45°	5206.6	5202.0	5340.4	5521.9	5628.9	5594.0	5398.6	5129.9	4834.4	4737.9
47.5°	5407.9	5410.2	5559.1	5783.6	5970.9	5983.7	5732.4	5442.8	5139.2	5029.8
50°	5553.3	5560.3	5719.6	5968.6	6224.5	6337.3	6073.3	5763.8	5454.4	5331.1
52.5°	5589.3	5602.1	5794.1	6086.0	6387.3	6602.5	6419.9	6072.1	5753.4	5635.9
55°	5397.4	5423.0	5666.1	6076.7	6487.4	6777.0	6724.7	6385.0	6054.6	5933.7
57.5°	4956.5	4992.6	5276.4	5812.7	6465.3	6896.8	6960.8	6685.1	6355.9	6239.6
60°	4338.9	4381.9	4654.1	5239.2	6153.5	6941.0	7127.1	6977.1	6632.8	6519.9
62.5°	3407.1	3463.0	3788.7	4475.0	5495.1	6735.1	7269.1	7241.1	6881.7	6740.9
65°	2185.7	2245.0	2588.2	3399.0	4616.9	6104.7	7313.3	7498.2	7144.6	6948.0
67.5°	1317.9	1344.7	1514.5	2060.1	3374.5	5154.3	6938.7	7783.2	7451.7	7207.4
70°	843.3	858.5	959.7	1209.8	1907.7	3760.7	6010.4	7836.7	7823.9	7473.8
72.5°	572.3	577.0	603.7	716.6	1079.5	2136.9	4433.1	7094.6	8056.6	7816.9
75°	418.8	444.4	487.4	507.2	613.0	1067.8	2540.5	4984.5	6789.8	6894.5
77.5°	311.7	312.9	372.2	395.5	437.4	568.8	1074.8	2782.5	4215.6	4426.1
80°	264.1	250.1	248.9	318.7	329.2	354.8	480.4	960.8	1509.9	915.5
82.5°	219.9	204.7	185.0	248.9	224.5	217.5	208.2	390.8	480.4	236.1
85°	153.5	146.6	139.6	162.9	128.0	109.3	100.0	182.6	202.4	100.0
87.5°	66.3	68.6	69.8	72.1	53.5	38.4	38.4	51.2	51.2	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2440.5
2455.6
2514.9
2616.1
2734.8
2852.3
2976.7
3070.9
3147.7
3219.8
3301.3
3386.2
3480.4
3621.2
3788.7
3986.4
4229.5
4487.8
4760.0
5062.4
5368.3
5666.1
5967.4
6266.3
6544.4
6757.2
6972.4
7226.0
7471.5
7779.7
6640.9
3948.0
692.1
201.2
88.4
29.1
0.0

OF REPORT)