

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: P949220

Luminaire Tested: **GALN-SB4A-750-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949220  
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-SB4A-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

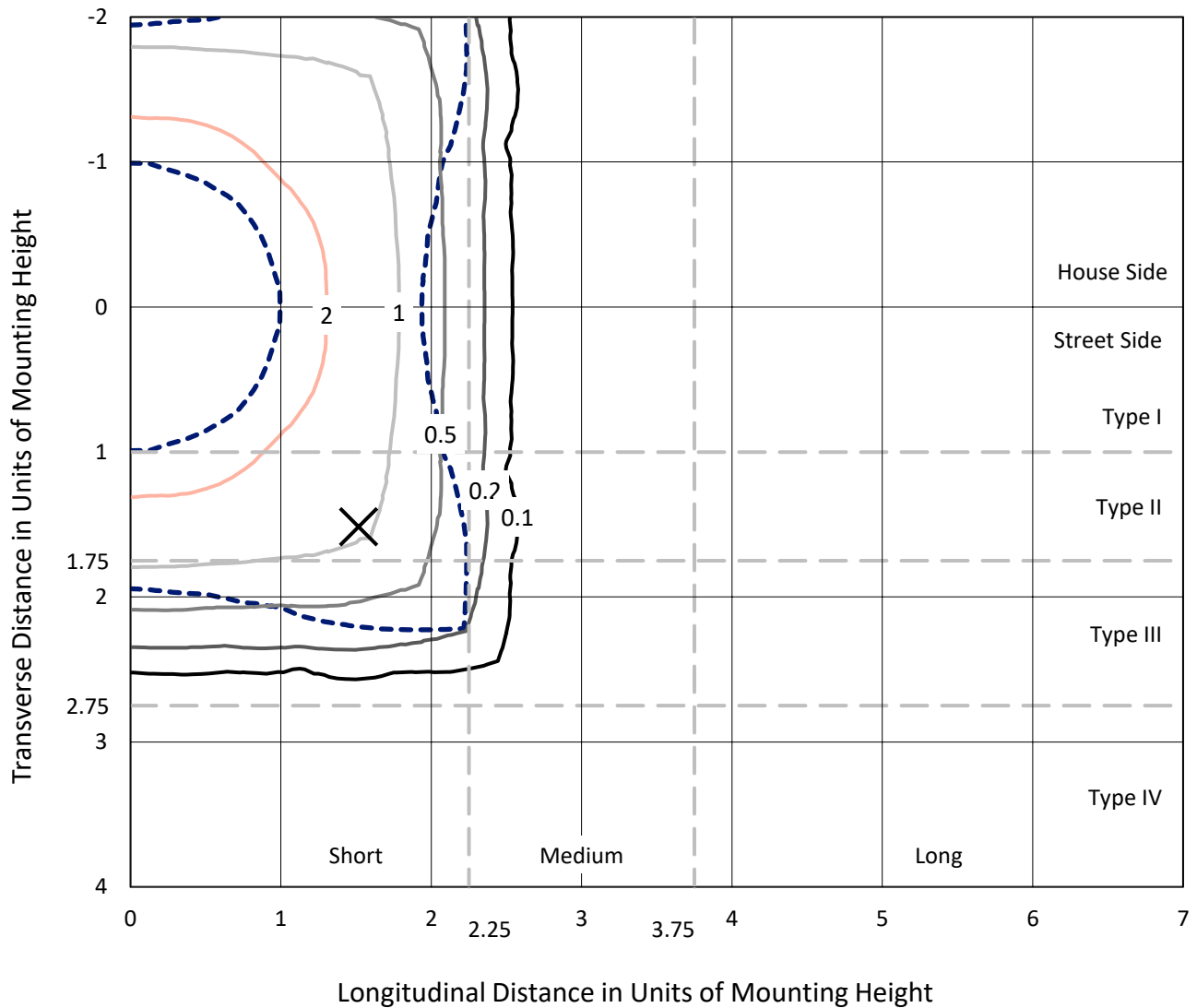
Lumens per Lamp: N/A  
Luminaire Lumens: 19931.1 lumens  
Efficiency: N/A  
Efficacy: 174.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

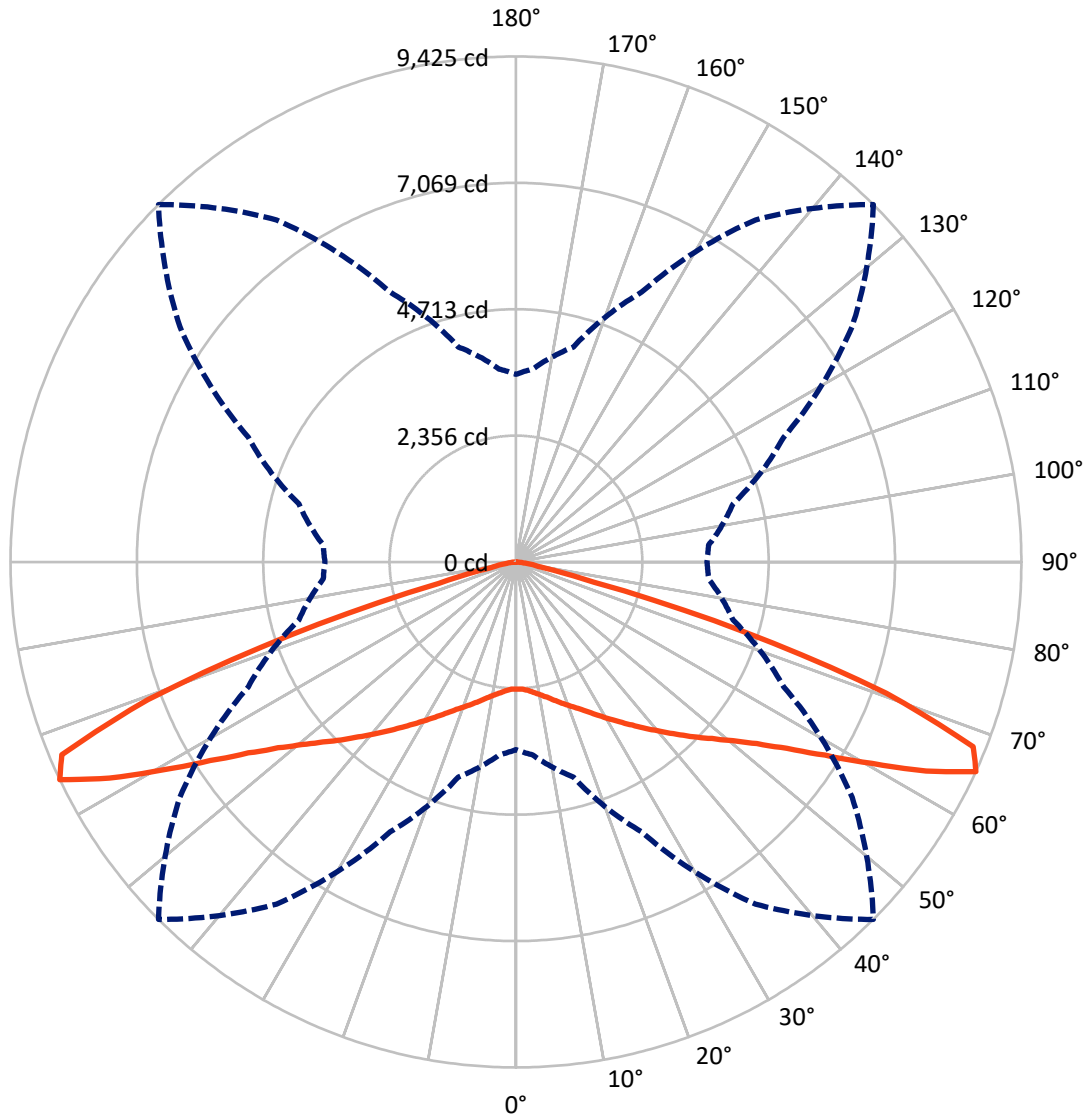
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	9965.5	0.0	9965.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9965.5	0.0	9965.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19931.1	0.0	19931.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.1	1.2
10°-20°	763.9	3.8
20°-30°	1442.3	7.2
30°-40°	2361.7	11.8
40°-50°	3661.8	18.4
50°-60°	5409.2	27.1
60°-70°	5149.1	25.8
70°-80°	830.9	4.2
80°-90°	78.3	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°	19931.1	100.0
0°-180°	19931.1	100.0



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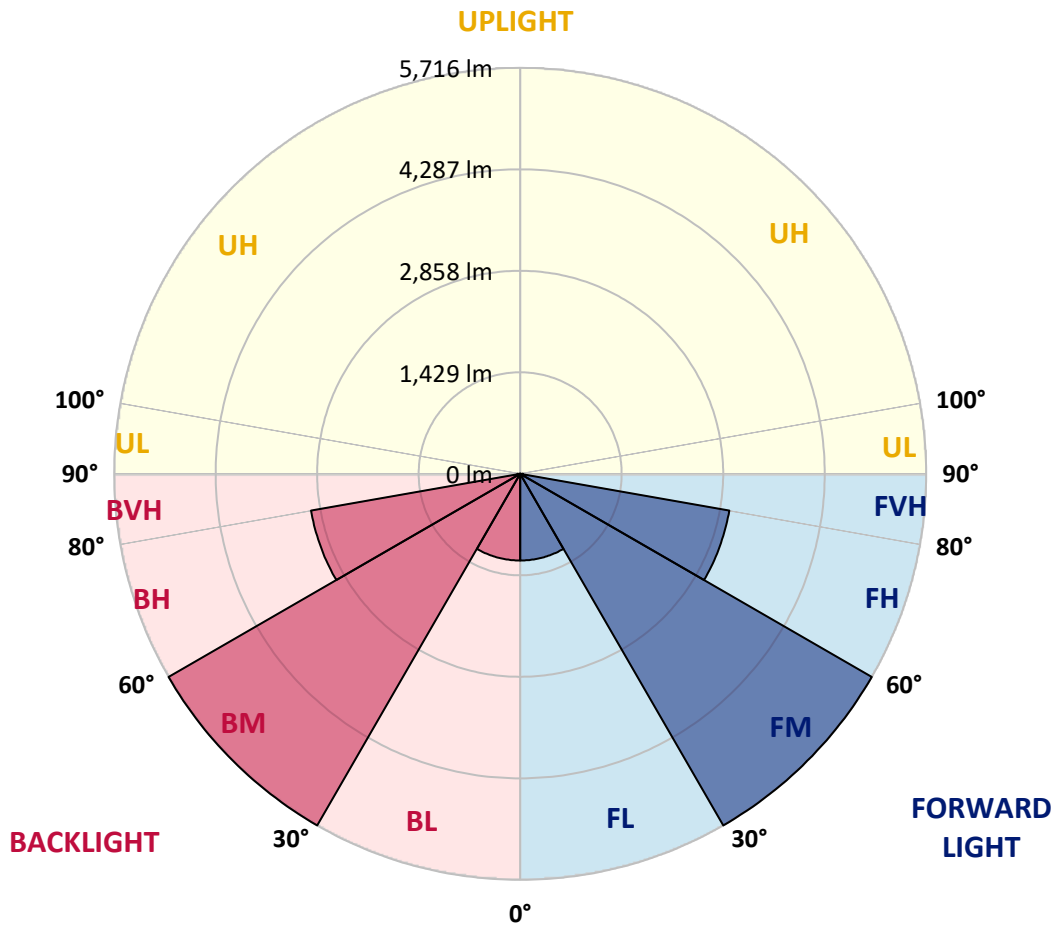
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1220.1	6.1			
FM (30°-60°)	5716.3	28.7			
FH (60°-80°)	2990.0	15.0			G2/5000
FVH (80°-90°)	39.2	0.2			G1/100
BL (0°-30°)	1220.1	6.1	B3/2500		
BM (30°-60°)	5716.3	28.7	B4/8500		
BH (60°-80°)	2990.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	39.2	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°	2372	2372	2372	2372	2372	2372	2372	2372	2372	2372
2.5°	2388	2380	2386	2381	2377	2373	2375	2382	2385	2386
5°	2420	2413	2416	2416	2409	2407	2408	2413	2419	2419
7.5°	2472	2465	2472	2468	2462	2460	2459	2463	2472	2472
10°	2535	2527	2531	2529	2522	2519	2518	2524	2532	2531
12.5°	2604	2595	2600	2594	2592	2589	2589	2588	2593	2589
15°	2681	2675	2677	2673	2676	2674	2666	2662	2664	2658
17.5°	2772	2758	2765	2763	2763	2767	2754	2749	2753	2747
20°	2877	2863	2866	2862	2857	2861	2845	2849	2852	2848
22.5°	2992	2974	2973	2975	2964	2965	2954	2964	2970	2959
25°	3110	3091	3104	3099	3085	3088	3080	3090	3095	3081
27.5°	3235	3222	3234	3237	3220	3232	3220	3229	3234	3213
30°	3381	3368	3379	3387	3367	3386	3376	3382	3383	3358
32.5°	3540	3520	3548	3552	3530	3553	3540	3548	3553	3519
35°	3734	3709	3741	3736	3717	3736	3724	3736	3748	3707
37.5°	3943	3917	3951	3942	3924	3937	3930	3938	3957	3913
40°	4173	4141	4187	4171	4154	4152	4156	4161	4186	4137
42.5°	4419	4385	4454	4429	4405	4389	4402	4412	4436	4381
45°	4700	4661	4751	4721	4683	4650	4671	4686	4721	4655
47.5°	5010	4966	5062	5053	4991	4919	4967	5010	5036	4956
50°	5313	5279	5405	5416	5340	5239	5306	5371	5378	5273
52.5°	5597	5563	5746	5815	5747	5627	5698	5764	5711	5575
55°	5824	5796	6029	6207	6230	6131	6173	6171	5997	5788
57.5°	5879	5875	6169	6546	6786	6798	6715	6503	6128	5847
60°	5629	5654	6058	6723	7363	7629	7270	6665	5979	5589
62.5°	4881	4947	5434	6507	7829	8585	7715	6419	5367	4858
65°	3498	3613	4151	5553	7787	9425	7651	5508	4191	3604
67.5°	1587	1704	2161	3802	6769	9197	6753	3842	2269	1710
70°	575	595	742	1522	4326	7328	4511	1533	789	634
72.5°	348	351	382	545	1503	4449	1567	563	390	346
75°	221	219	272	333	533	1501	559	333	271	247
77.5°	159	164	195	249	336	509	330	238	195	160
80°	119	122	142	194	236	317	210	176	147	100
82.5°	86	86	93	141	144	171	114	124	97	71
85°	51	50	58	84	75	63	52	76	61	44
87.5°	18	19	18	24	20	17	16	21	17	15
90°	0	0	0	0	0	0	0	0	0	0

(END C

90°
2372
2386
2419
2469
2529
2591
2659
2752
2857
2970
3097
3229
3373
3542
3732
3940
4153
4410
4689
4983
5286
5579
5795
5829
5543
4828
3561
1685
626
352
249
163
103
71
43
14
0

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