

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: P940793

Luminaire Tested: **GALN-SB4A-740-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4A-740-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18816.1 lumens  
Efficiency: N/A  
Efficacy: 165.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

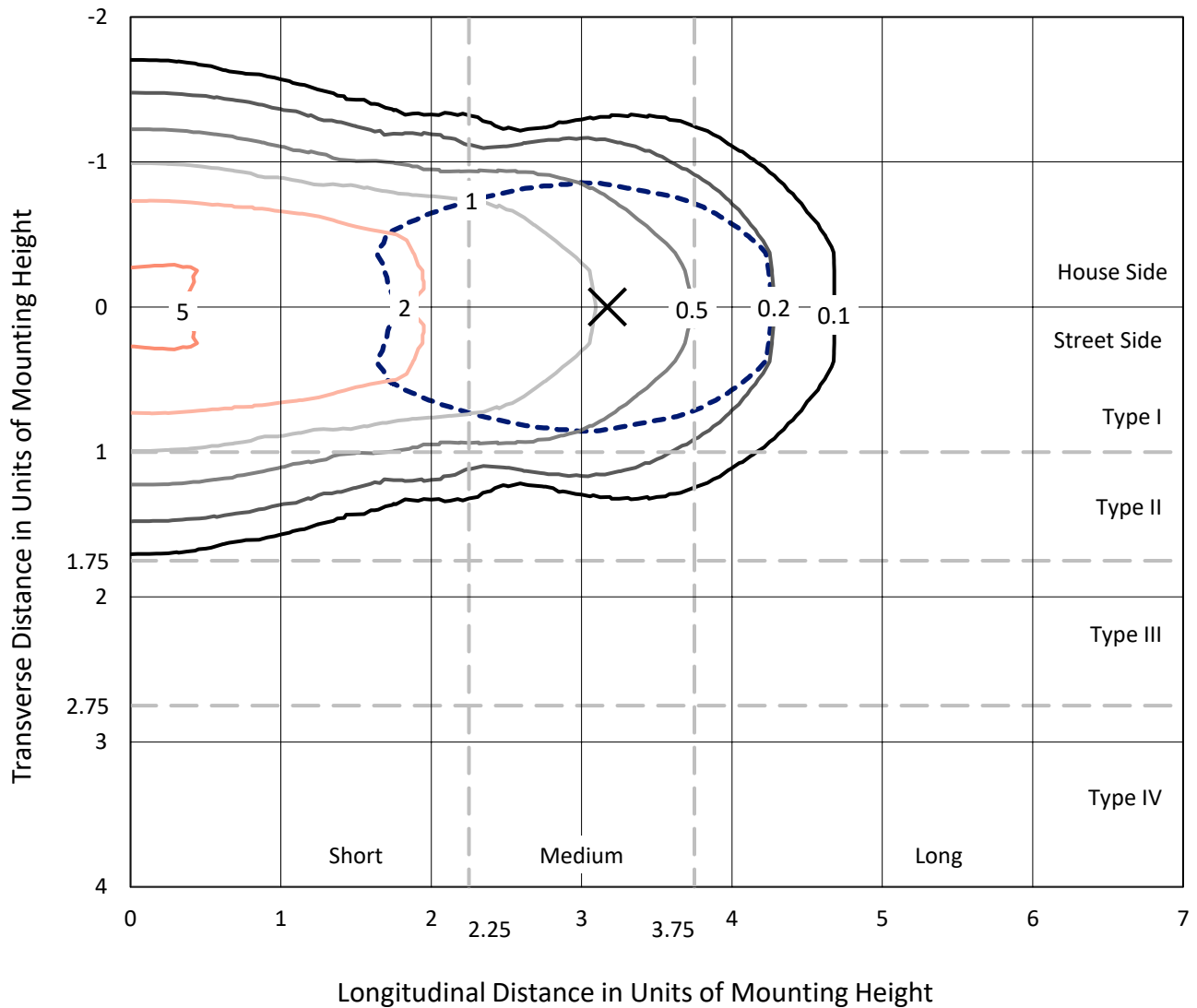
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

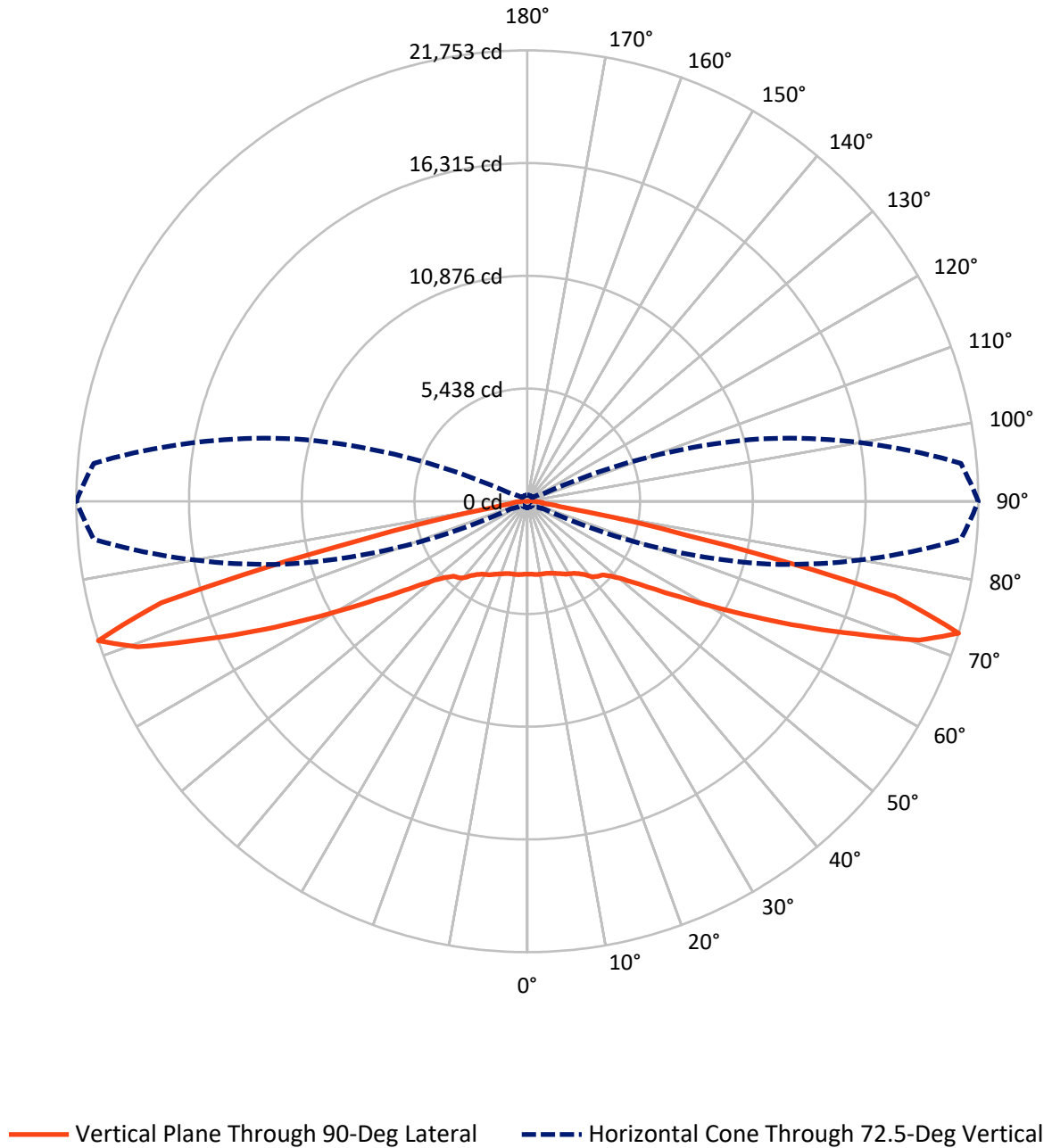
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9408.0	0.0	9408.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9408.0	0.0	9408.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18816.1	0.0	18816.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.9	1.8
10°-20°	1042.4	5.5
20°-30°	1738.1	9.2
30°-40°	2390.4	12.7
40°-50°	2919.3	15.5
50°-60°	3376.5	17.9
60°-70°	4025.9	21.4
70°-80°	2809.8	14.9
80°-90°	172.6	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°	18816.1	100.0
0°-180°	18816.1	100.0



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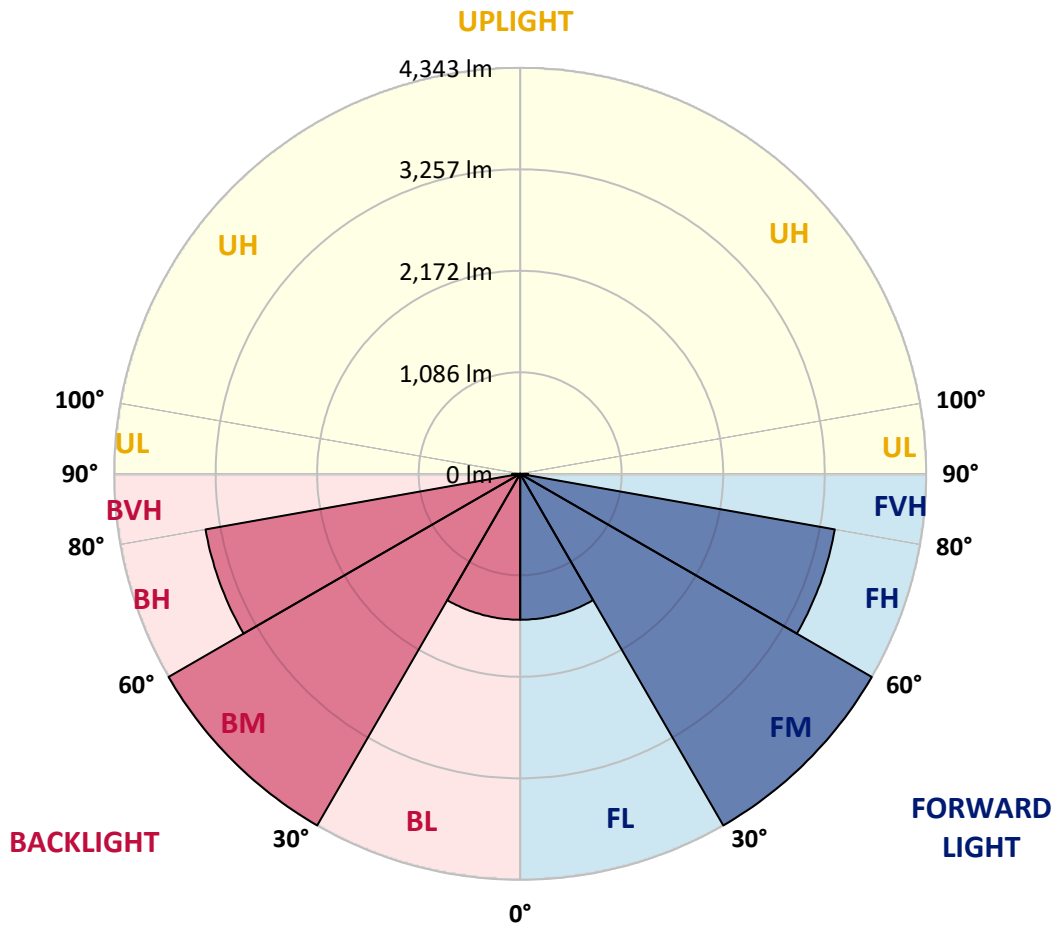
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1560.7	8.3			
FM (30°-60°)	4343.1	23.1			
FH (60°-80°)	3417.9	18.2			G2/5000
FVH (80°-90°)	86.3	0.5			G1/100
BL (0°-30°)	1560.7	8.3	B3/2500		
BM (30°-60°)	4343.1	23.1	B3/5000		
BH (60°-80°)	3417.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	86.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3516	3516	3516	3516	3516	3516	3516	3516	3516	3516
2.5°	3519	3523	3523	3520	3527	3521	3521	3518	3521	3518
5°	3537	3542	3544	3543	3552	3547	3547	3543	3544	3541
7.5°	3571	3578	3582	3587	3600	3594	3590	3578	3573	3565
10°	3582	3590	3603	3629	3659	3660	3648	3618	3595	3577
12.5°	3548	3559	3586	3639	3706	3733	3714	3664	3619	3587
15°	3505	3517	3558	3638	3737	3800	3798	3732	3660	3610
17.5°	3438	3450	3509	3621	3761	3865	3893	3825	3724	3657
20°	3317	3328	3410	3567	3769	3934	4007	3947	3821	3730
22.5°	3160	3177	3273	3474	3750	4006	4137	4096	3934	3808
25°	2992	3010	3122	3360	3701	4058	4291	4265	4062	3905
27.5°	2847	2866	2988	3247	3625	4078	4443	4456	4217	4012
30°	2733	2751	2881	3156	3527	4058	4576	4666	4375	4105
32.5°	2608	2631	2768	3045	3411	4010	4692	4893	4558	4205
35°	2450	2471	2615	2893	3259	3933	4789	5145	4820	4357
37.5°	2258	2278	2421	2703	3108	3825	4863	5429	5132	4576
40°	2065	2084	2218	2491	2927	3687	4889	5707	5490	4877
42.5°	1888	1905	2028	2282	2724	3511	4855	5949	5811	5087
45°	1725	1740	1849	2086	2513	3297	4753	6209	6193	5237
47.5°	1539	1554	1667	1896	2302	3046	4580	6465	6724	5577
50°	1312	1325	1441	1677	2083	2779	4340	6666	7394	6092
52.5°	1043	1057	1170	1406	1823	2492	4024	6797	8168	6844
55°	776	786	884	1096	1501	2165	3628	6834	9046	7872
57.5°	563	569	632	790	1138	1756	3147	6738	10091	9190
60°	456	458	477	547	791	1294	2566	6408	11225	10889
62.5°	414	414	419	438	535	854	1863	5724	12441	13036
65°	385	385	387	396	422	544	1176	4610	13466	15551
67.5°	359	360	359	362	377	402	682	3184	14018	18157
70°	332	334	329	329	341	342	427	1746	13560	20341
72.5°	300	303	295	293	302	298	321	838	11642	20993
75°	272	276	258	253	253	250	261	430	7556	17125
77.5°	247	255	226	210	206	197	213	263	3305	8040
80°	204	215	186	167	160	150	168	184	983	1867
82.5°	152	157	132	119	113	106	126	128	320	661
85°	97	99	81	70	67	64	80	70	122	486
87.5°	34	39	31	28	30	25	37	21	34	343
90°	0	0	0	0	0	0	0	0	0	0

(END C

90°

3516  
3518  
3541  
3565  
3574  
3582  
3602  
3646  
3713  
3785  
3873  
3978  
4056  
4143  
4288  
4484  
4779  
4961  
5067  
5381  
5846  
6541  
7493  
8713  
10288  
12231  
14533  
17058  
20052  
21753  
18317  
7873  
1788  
747  
706  
425  
0

OF REPORT)