

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: P949202

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949202
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-SB4A-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19585.9 lumens
Efficiency: N/A
Efficacy: 171.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

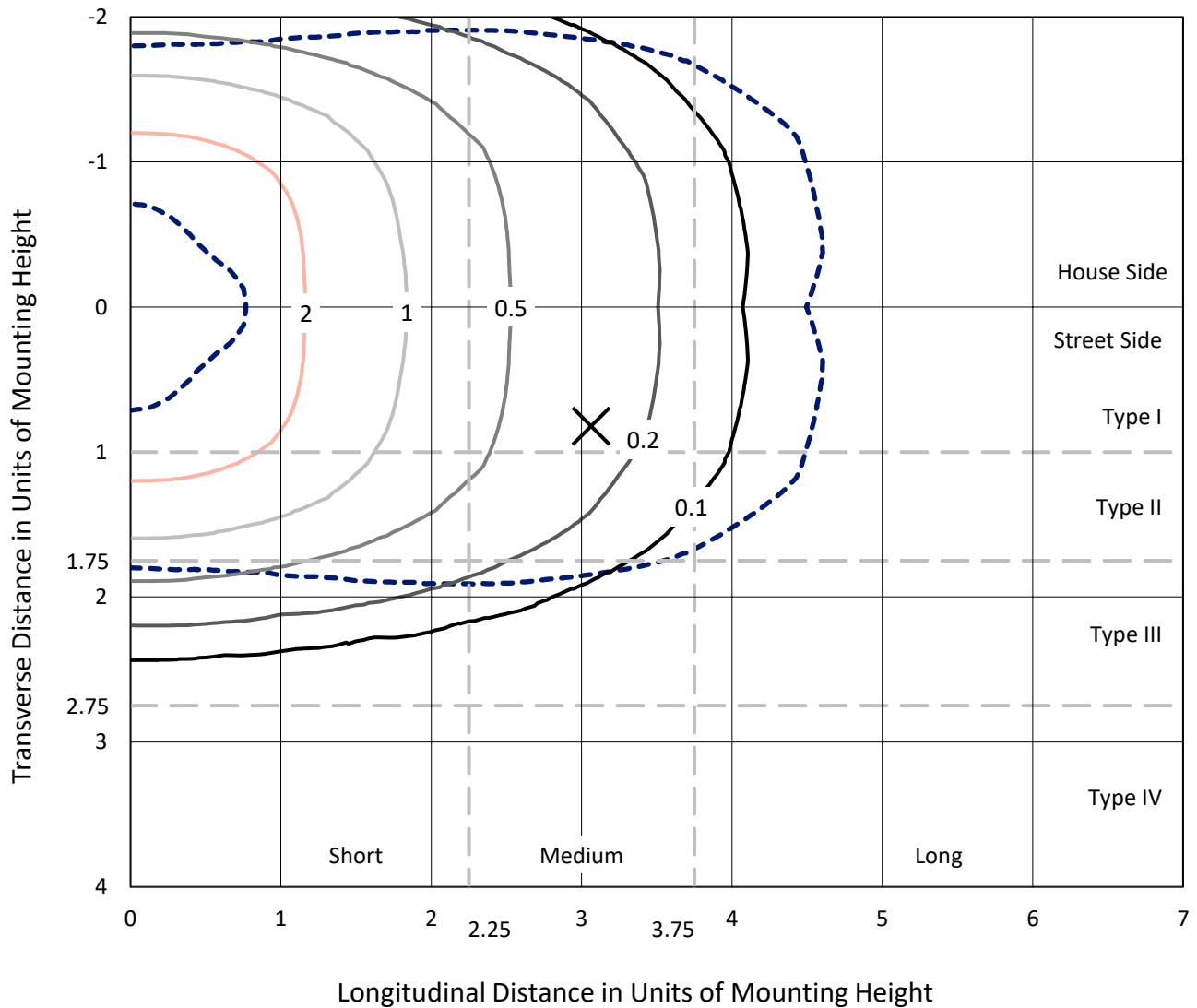
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

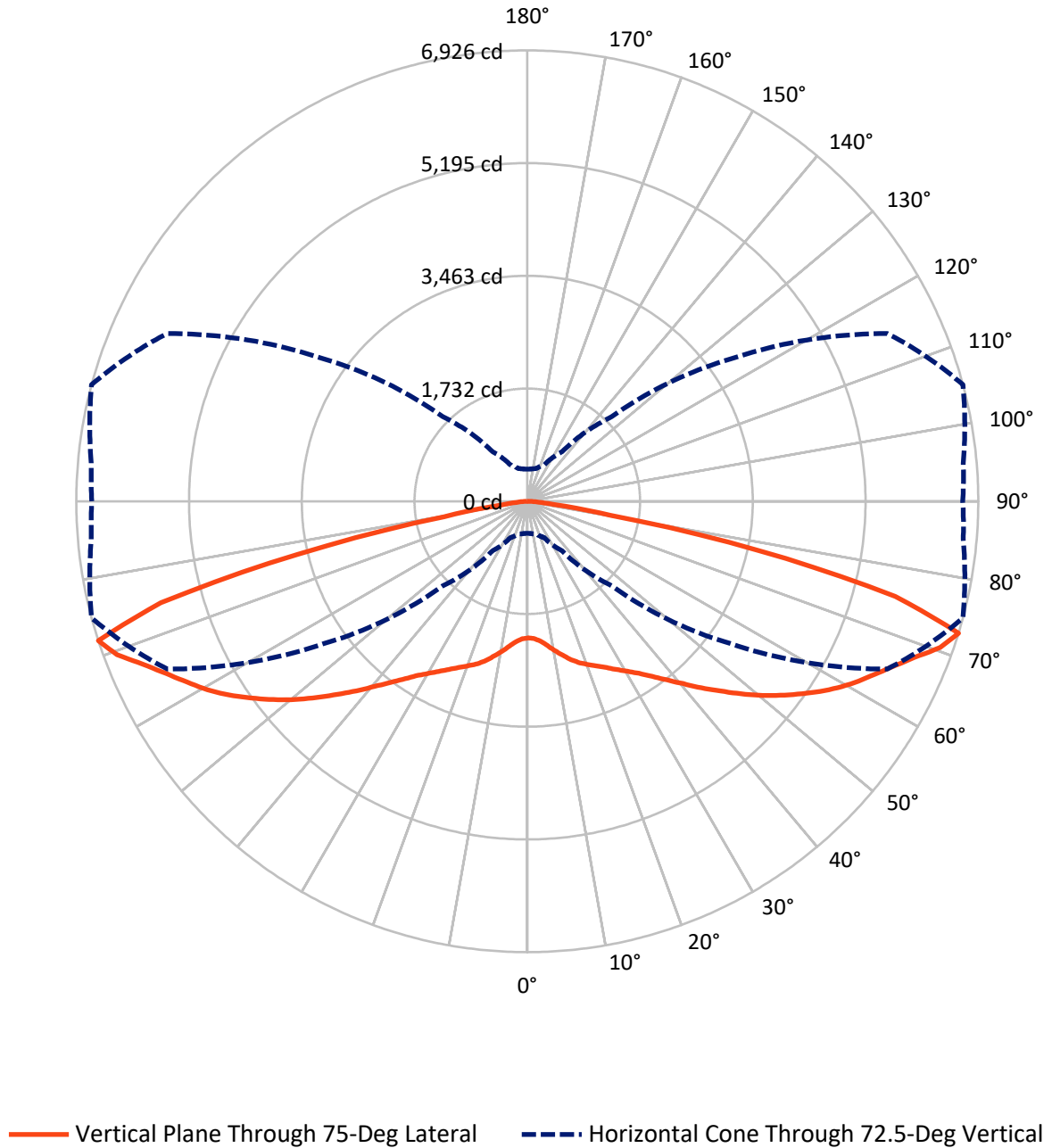
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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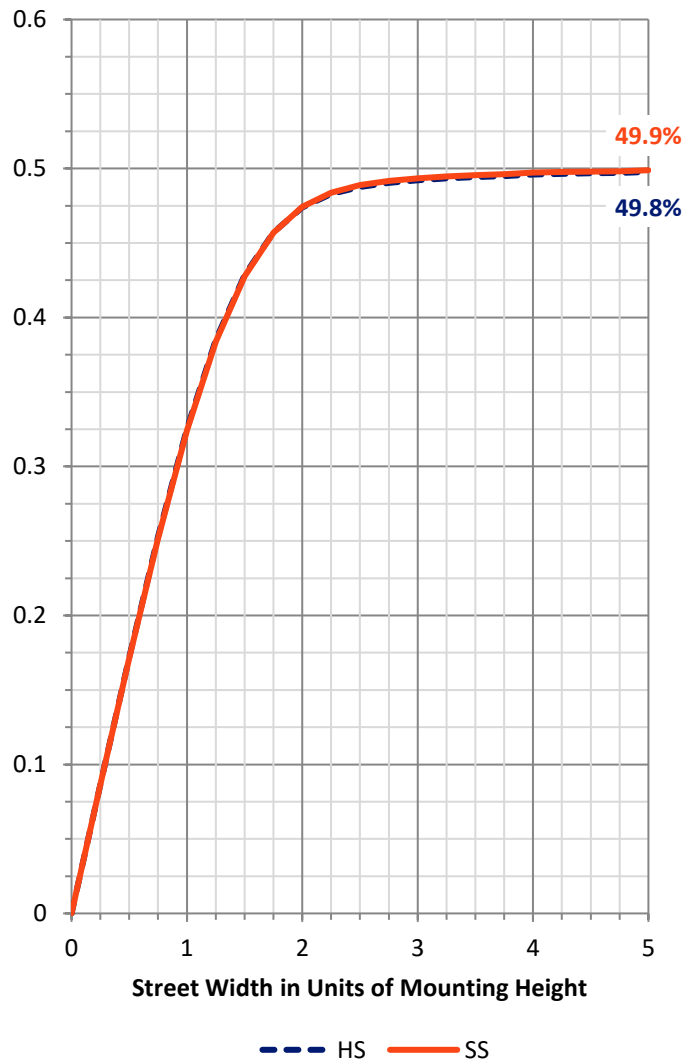
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9792.9	0.0	9792.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9792.9	0.0	9792.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19585.9	0.0	19585.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	1.0
10°-20°	677.8	3.5
20°-30°	1309.8	6.7
30°-40°	2211.6	11.3
40°-50°	3507.4	17.9
50°-60°	4696.0	24.0
60°-70°	4469.1	22.8
70°-80°	2332.1	11.9
80°-90°	176.5	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°	19585.9	100.0
0°-180°	19585.9	100.0

Coefficient of Utilization



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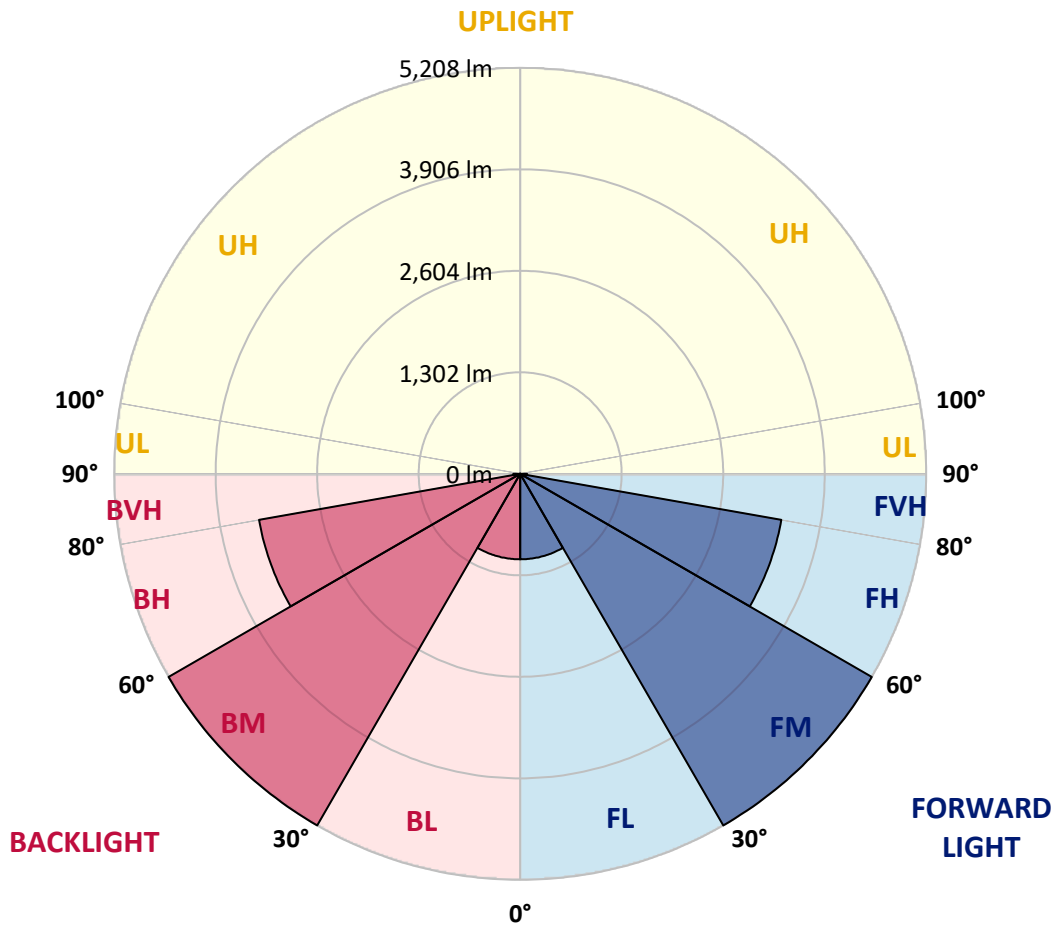
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.6	5.6			
FM (30°-60°)	5207.5	26.6			
FH (60°-80°)	3400.6	17.4			G2/5000
FVH (80°-90°)	88.3	0.5			G1/100
BL (0°-30°)	1096.6	5.6	B3/2500		
BM (30°-60°)	5207.5	26.6	B4/8500		
BH (60°-80°)	3400.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	88.3	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2098	2098	2098	2098	2098	2098	2098	2098	2098	2098
2.5°	2098	2096	2098	2100	2099	2099	2104	2107	2113	2112
5°	2084	2083	2091	2100	2107	2119	2134	2145	2159	2162
7.5°	2077	2074	2088	2104	2126	2156	2185	2215	2239	2247
10°	2082	2083	2102	2132	2167	2209	2250	2301	2335	2343
12.5°	2105	2103	2135	2183	2231	2284	2332	2388	2425	2444
15°	2147	2143	2188	2259	2329	2391	2430	2483	2526	2550
17.5°	2197	2199	2258	2350	2442	2512	2549	2576	2609	2630
20°	2285	2289	2355	2464	2569	2649	2679	2669	2678	2694
22.5°	2403	2405	2479	2597	2707	2795	2815	2774	2749	2760
25°	2540	2553	2627	2748	2861	2945	2954	2892	2830	2833
27.5°	2707	2719	2794	2914	3029	3102	3101	3018	2927	2904
30°	2888	2901	2978	3102	3209	3273	3259	3160	3030	2987
32.5°	3103	3111	3189	3313	3412	3463	3434	3312	3150	3101
35°	3363	3375	3433	3550	3637	3679	3630	3486	3304	3249
37.5°	3660	3652	3718	3822	3894	3920	3853	3682	3480	3415
40°	3970	3966	4038	4138	4177	4193	4094	3907	3683	3613
42.5°	4251	4248	4345	4456	4503	4485	4360	4146	3918	3838
45°	4476	4472	4591	4747	4839	4809	4641	4410	4156	4073
47.5°	4649	4651	4779	4972	5133	5144	4928	4679	4418	4324
50°	4774	4780	4917	5131	5351	5448	5221	4955	4689	4583
52.5°	4805	4816	4981	5232	5491	5676	5519	5220	4946	4845
55°	4640	4662	4871	5224	5577	5826	5781	5489	5205	5101
57.5°	4261	4292	4536	4997	5558	5929	5984	5747	5464	5364
60°	3730	3767	4001	4504	5290	5967	6127	5998	5702	5605
62.5°	2929	2977	3257	3847	4724	5790	6249	6225	5916	5795
65°	1879	1930	2225	2922	3969	5248	6287	6446	6142	5973
67.5°	1133	1156	1302	1771	2901	4431	5965	6691	6406	6196
70°	725	738	825	1040	1640	3233	5167	6737	6726	6425
72.5°	492	496	519	616	928	1837	3811	6099	6926	6720
75°	360	382	419	436	527	918	2184	4285	5837	5927
77.5°	268	269	320	340	376	489	924	2392	3624	3805
80°	227	215	214	274	283	305	413	826	1298	787
82.5°	189	176	159	214	193	187	179	336	413	203
85°	132	126	120	140	110	94	86	157	174	86
87.5°	57	59	60	62	46	33	33	44	44	34
90°	0	0	0	0	0	0	0	0	0	0

(END C

90°
2098
2111
2162
2249
2351
2452
2559
2640
2706
2768
2838
2911
2992
3113
3257
3427
3636
3858
4092
4352
4615
4871
5130
5387
5626
5809
5994
6212
6423
6688
5709
3394
595
173
76
25
0

OF REPORT)