

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: P949225

Luminaire Tested: **GALN-SB4A-750-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18905 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

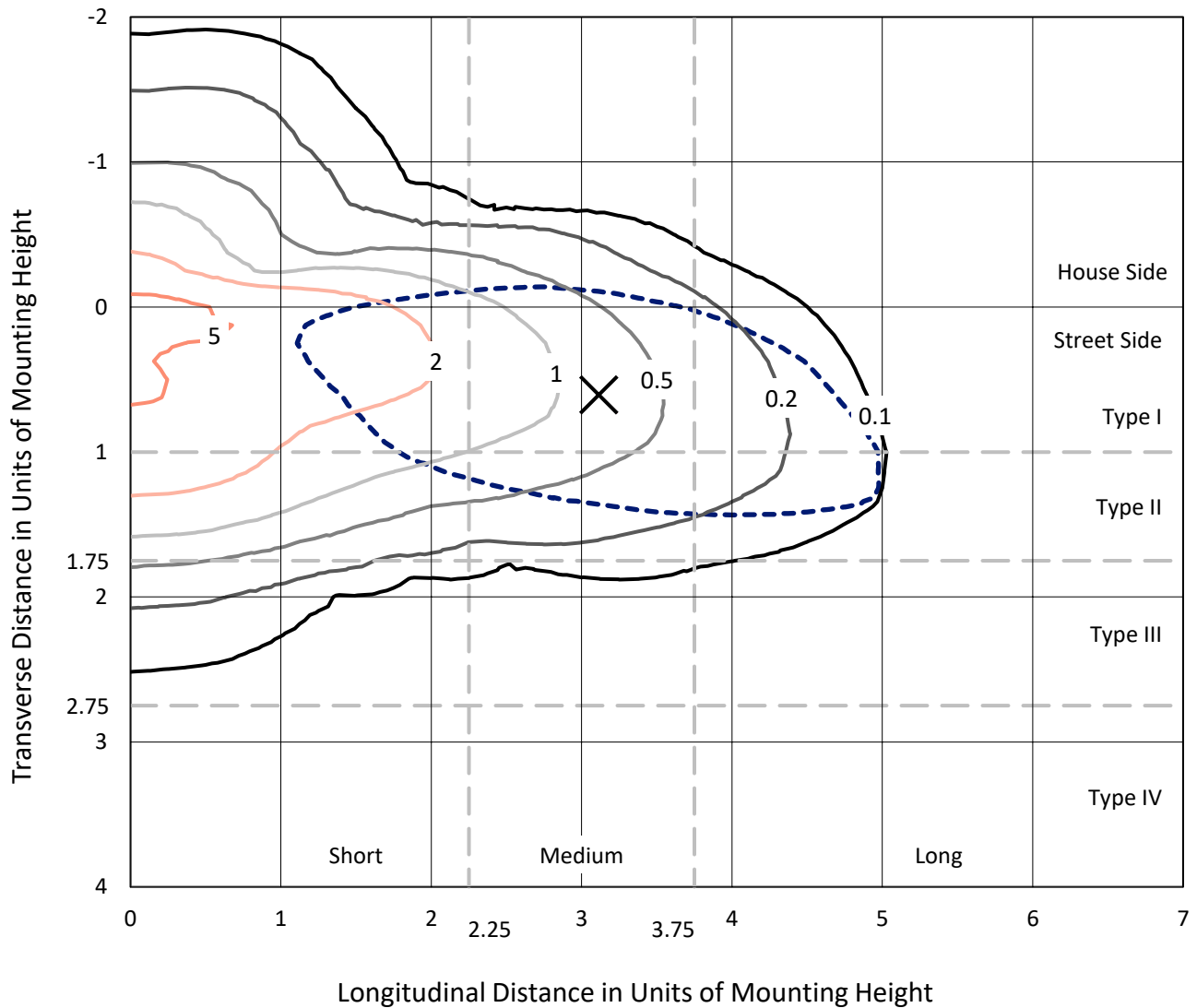
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P949225
 CATALOG NUMBER: GALN-SB4A-750-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

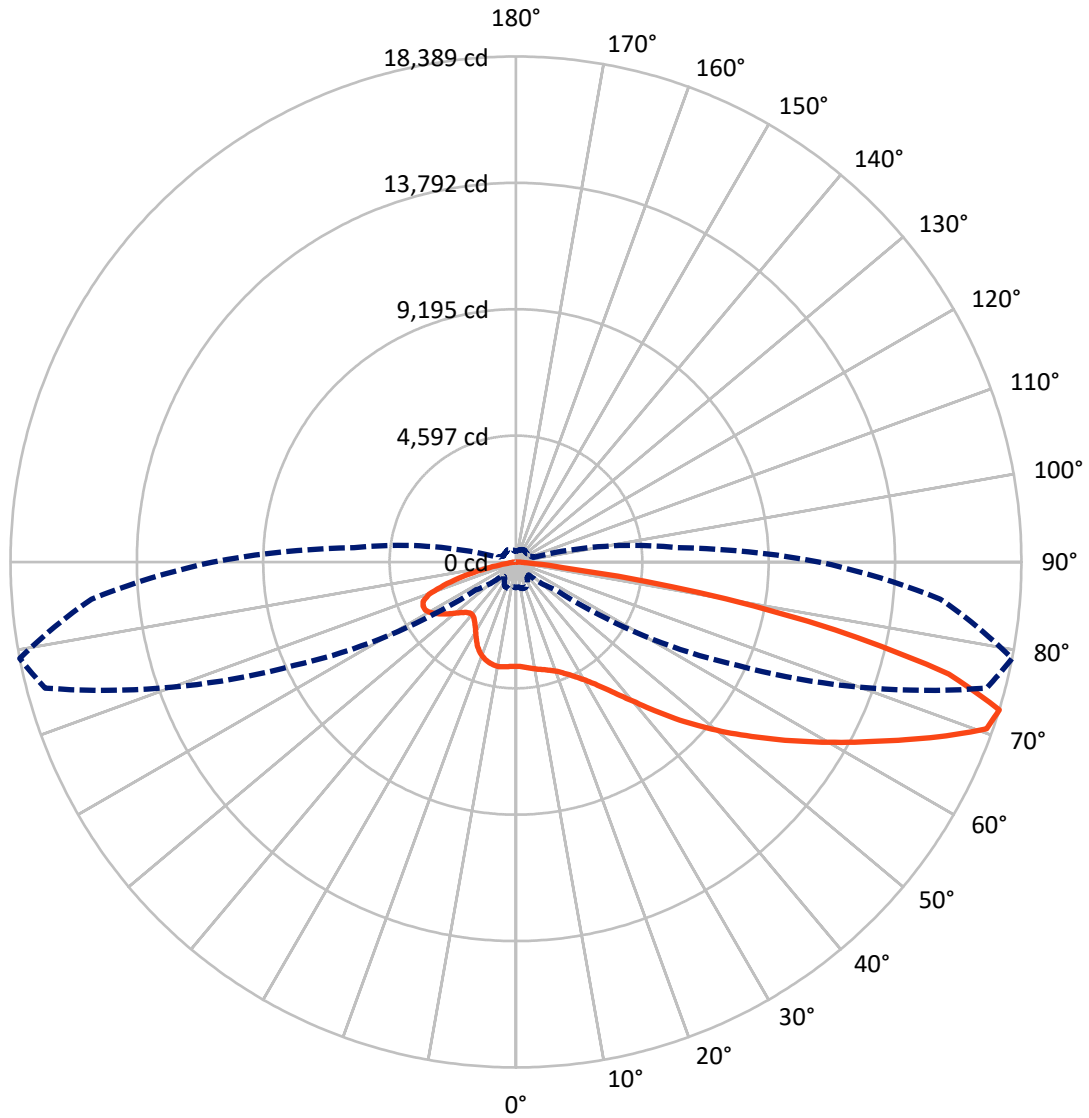
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P949225
CATALOG NUMBER: GALN-SB4A-750-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P949225
 CATALOG NUMBER: GALN-SB4A-750-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4160.1	0.0	4160.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	14744.9	0.0	14744.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	18905.0	0.0	18905.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	1.8
10°-20°	900.6	4.8
20°-30°	1453.3	7.7
30°-40°	2181.1	11.5
40°-50°	3094.1	16.4
50°-60°	3907.4	20.7
60°-70°	3968.5	21.0
70°-80°	2704.7	14.3
80°-90°	350.9	1.9
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°	18905.0	100.0
0°-180°	18905.0	100.0



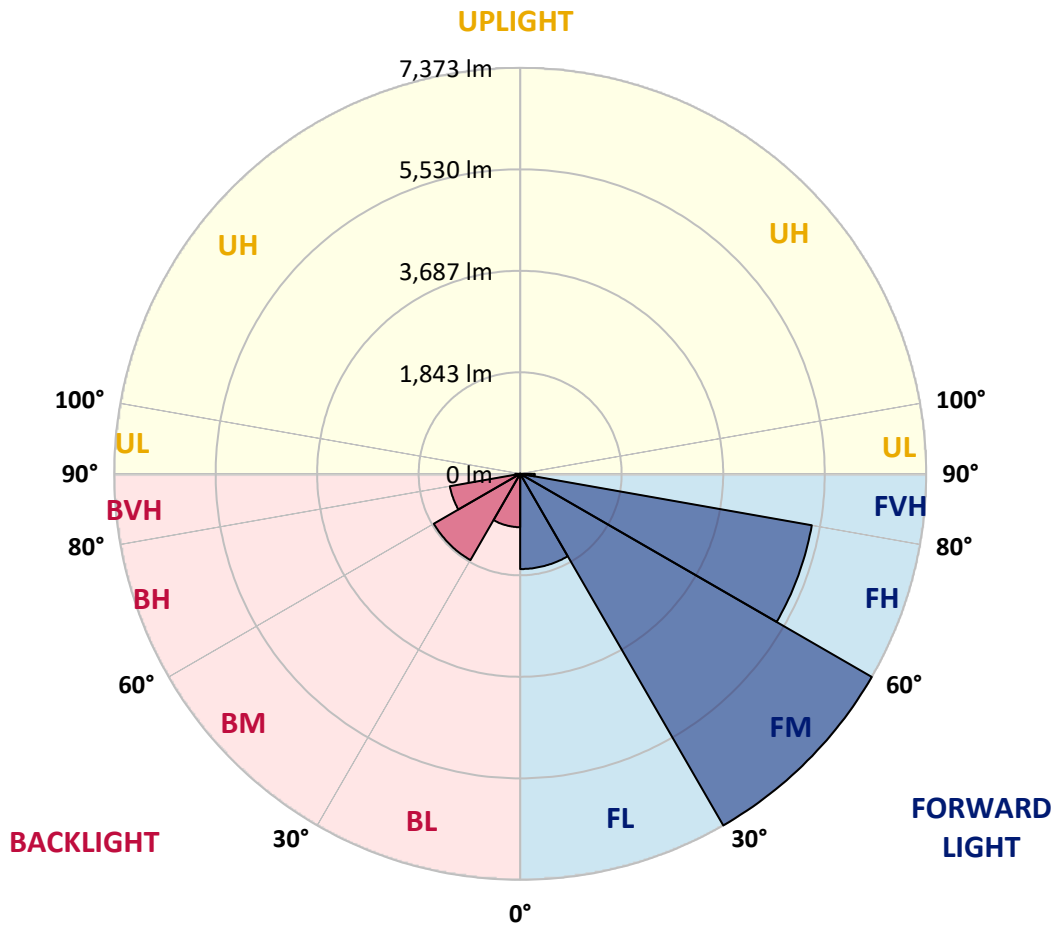
REPORT NUMBER: P949225
 CATALOG NUMBER: GALN-SB4A-750-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1729.3	9.1			
FM (30°-60°)	7373.3	39.0			
FH (60°-80°)	5377.8	28.4			G3/7500
FVH (80°-90°)	264.3	1.4			G3/500
BL (0°-30°)	969.0	5.1	B2/1000		
BM (30°-60°)	1809.2	9.6	B2/2500		
BH (60°-80°)	1295.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	86.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P949225

CATALOG NUMBER: GALN-SB4A-750-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3795	3795	3795	3795	3795	3795	3795	3795	3795	3795
2.5°	3797	3779	3790	3786	3791	3797	3799	3802	3812	3811
5°	3789	3771	3786	3781	3794	3808	3820	3831	3847	3854
7.5°	3772	3760	3775	3790	3814	3835	3852	3877	3900	3904
10°	3673	3664	3699	3738	3804	3861	3898	3927	3952	3956
12.5°	3570	3559	3598	3651	3758	3861	3939	3977	3999	4012
15°	3553	3544	3566	3612	3701	3834	3967	4037	4056	4071
17.5°	3635	3618	3627	3643	3695	3809	3989	4105	4134	4150
20°	3825	3801	3787	3755	3746	3813	3987	4187	4225	4245
22.5°	4078	4062	4032	3951	3863	3862	4025	4292	4363	4382
25°	4384	4360	4322	4212	4043	3959	4089	4426	4545	4550
27.5°	4736	4700	4648	4503	4275	4111	4187	4580	4754	4752
30°	5107	5071	5016	4840	4553	4316	4323	4746	5002	4991
32.5°	5378	5351	5340	5204	4873	4558	4479	4930	5308	5298
35°	5586	5551	5564	5495	5222	4829	4670	5149	5680	5679
37.5°	5792	5761	5772	5726	5545	5173	4903	5417	6141	6163
40°	5980	5947	5991	5948	5796	5539	5168	5720	6675	6717
42.5°	6093	6067	6140	6141	6014	5848	5459	6054	7293	7387
45°	6132	6123	6233	6256	6207	6027	5721	6418	7959	8127
47.5°	6090	6073	6225	6310	6349	6111	5938	6812	8639	8885
50°	5878	5845	6071	6250	6389	6166	6157	7267	9412	9681
52.5°	5497	5472	5729	6040	6301	6193	6403	7764	10146	10494
55°	5010	4977	5260	5666	6082	6184	6649	8320	11012	11365
57.5°	4238	4172	4530	5010	5725	6173	6905	8873	11892	12315
60°	3112	3014	3453	4022	5027	6066	7222	9493	12948	13329
62.5°	1812	1755	2042	2573	3789	5436	7400	10214	13986	14386
65°	1407	1391	1416	1457	2109	4070	6851	10917	15306	15586
67.5°	1287	1275	1286	1209	1070	2267	5420	11095	16720	16890
70°	1144	1130	1166	1100	842	1031	3502	10449	17845	18164
72.5°	932	916	1000	970	709	662	1759	8914	17727	18389
75°	716	707	807	832	578	521	844	6626	15600	16267
77.5°	556	549	600	691	466	404	519	4203	11756	11873
80°	417	397	444	535	363	295	352	2451	7431	6736
82.5°	261	251	290	357	256	203	229	1354	2978	1754
85°	149	145	158	204	139	117	131	598	544	374
87.5°	60	58	72	91	51	43	46	144	120	111
90°	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P949225
 CATALOG NUMBER: GALN-SB4A-750-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3795	0°	3795	3795	3795	3795	3795	3795	3795	3795	3795	3795
3810	2.5°	3806	3806	3792	3770	3745	3729	3703	3696	3669	3661
3844	5°	3852	3844	3801	3739	3654	3576	3490	3436	3360	3333
3911	7.5°	3910	3888	3814	3678	3500	3325	3143	3005	2873	2826
3966	10°	3963	3932	3806	3568	3260	2957	2667	2464	2310	2247
4027	12.5°	4016	3959	3753	3385	2919	2508	2199	2041	1946	1870
4077	15°	4066	3986	3671	3140	2545	2128	1900	1774	1698	1648
4150	17.5°	4124	4009	3548	2829	2189	1865	1679	1603	1588	1582
4250	20°	4205	4030	3386	2481	1927	1655	1559	1552	1551	1548
4370	22.5°	4292	4055	3172	2165	1704	1524	1507	1493	1484	1483
4515	25°	4395	4063	2904	1906	1514	1462	1442	1421	1415	1415
4680	27.5°	4495	4036	2592	1681	1407	1405	1379	1372	1371	1374
4868	30°	4595	3985	2282	1473	1345	1345	1336	1341	1345	1355
5126	32.5°	4730	3931	2023	1319	1291	1281	1290	1300	1304	1317
5465	35°	4928	3893	1817	1235	1235	1222	1227	1225	1216	1210
5875	37.5°	5190	3891	1647	1196	1188	1186	1187	1174	1139	1097
6371	40°	5505	3945	1516	1169	1163	1175	1169	1134	1038	965
6981	42.5°	5928	4099	1432	1136	1154	1169	1145	1024	959	910
7676	45°	6426	4349	1389	1101	1137	1155	1039	986	934	875
8434	47.5°	6990	4664	1379	1068	1099	1110	994	970	911	847
9196	50°	7604	5037	1406	1029	1044	1006	979	957	896	833
9977	52.5°	8239	5448	1460	976	989	947	973	954	887	802
10784	55°	8863	5862	1512	914	933	894	956	942	846	750
11645	57.5°	9497	6274	1563	859	879	843	929	910	800	702
12585	60°	10156	6674	1587	806	820	796	888	855	748	653
13509	62.5°	10773	7007	1548	753	762	752	834	790	696	598
14472	65°	11392	7205	1428	701	703	698	758	720	635	550
15315	67.5°	11953	7316	1237	645	640	638	687	644	576	502
15956	70°	12072	7034	945	579	579	574	609	565	511	451
15497	72.5°	11026	5917	671	504	512	502	531	494	445	405
13356	75°	8891	4339	488	427	441	424	451	425	383	382
9204	77.5°	6109	2683	354	352	362	340	371	357	319	302
4006	80°	2607	1070	258	272	272	252	288	292	259	251
773	82.5°	519	304	181	187	176	170	204	226	312	347
233	85°	156	112	109	102	90	91	120	227	280	160
77	87.5°	43	28	29	23	19	25	41	172	94	40
0	90°	0	0	0	0	0	0	0	0	0	0

(END O

<u>180°</u>
3795
3674
3353
2832
2261
1895
1657
1586
1558
1494
1421
1382
1362
1328
1224
1098
963
908
871
842
826
796
745
700
650
597
544
496
449
393
344
283
251
348
138
34
0

F REPORT)