

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634802

Luminaire Tested: GWS-SA3C-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13923.9 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

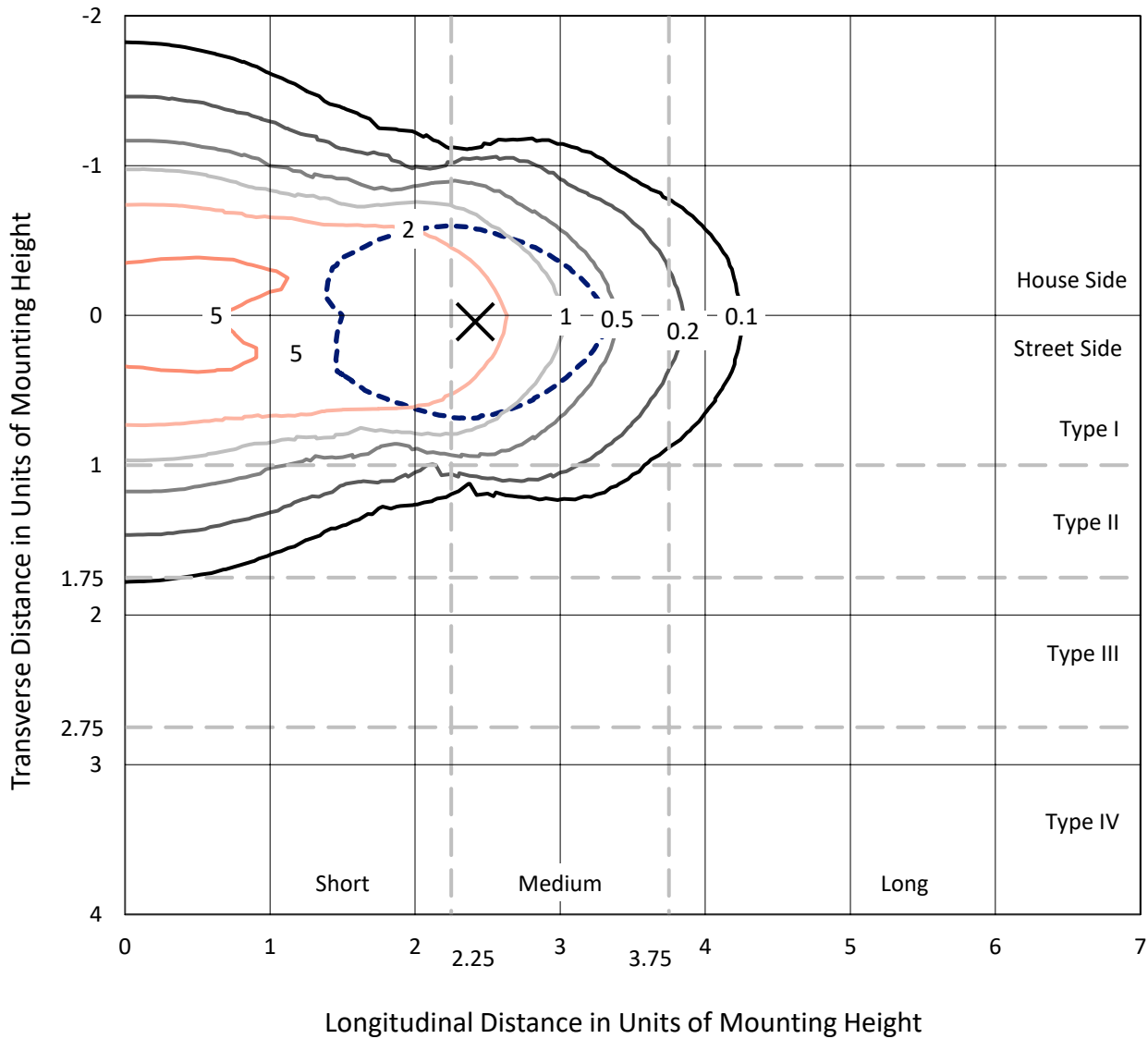
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

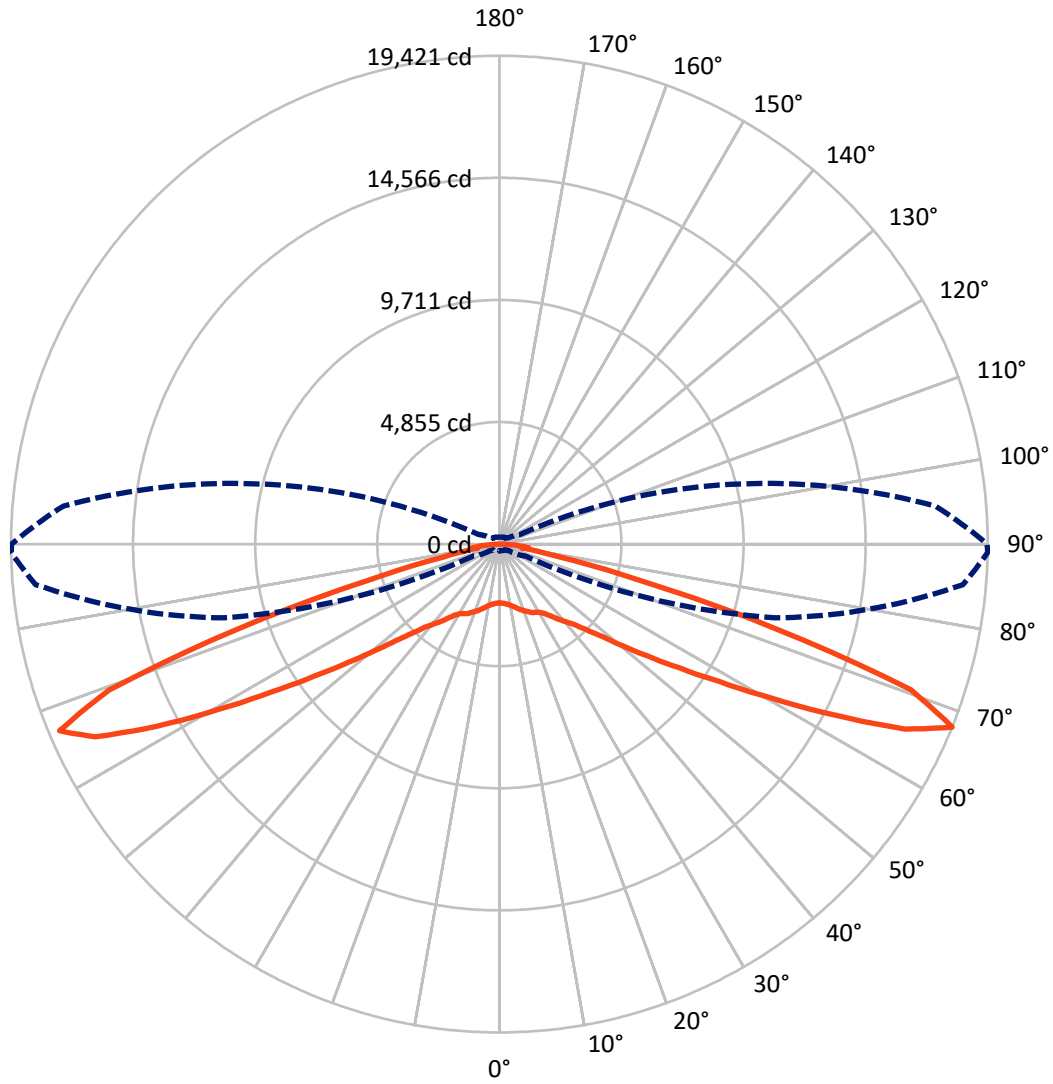
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6900.9	0.0	6900.9
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	7023.0	0.0	7023.0
	% Fixture	50.4	0.0	50.4
Total	Lumens	13923.9	0.0	13923.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	1.7
10°-20°	763.3	5.5
20°-30°	1290.3	9.3
30°-40°	1770.8	12.7
40°-50°	2258.2	16.2
50°-60°	2833.3	20.3
60°-70°	3417.2	24.5
70°-80°	1236.2	8.9
80°-90°	120.2	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°	13923.9	100.0
0°-180°	13923.9	100.0

Coefficient of Utilization



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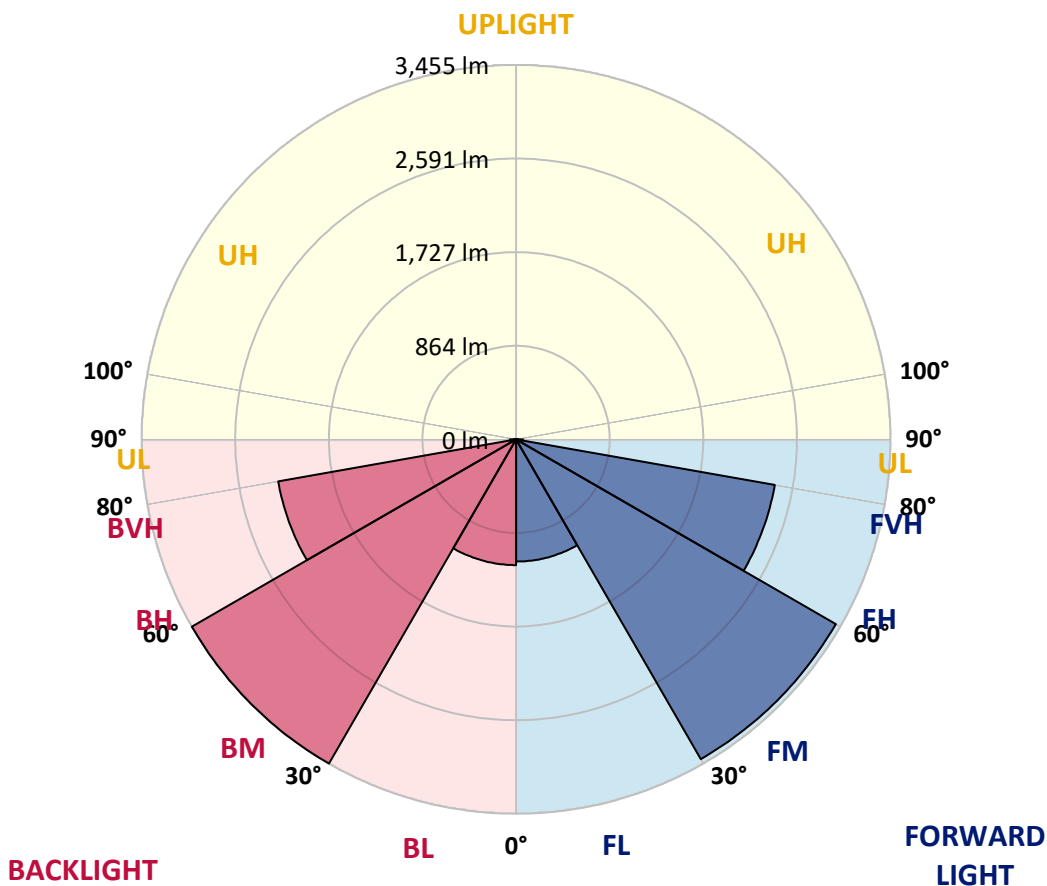
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.7	8.1			
FM (30°-60°)	3407.5	24.5			
FH (60°-80°)	2424.4	17.4			G2/5000
FVH (80°-90°)	63.4	0.5			G1/100
BL (0°-30°)	1160.3	8.3	B3/2500		
BM (30°-60°)	3454.8	24.8	B3/5000		
BH (60°-80°)	2229.0	16.0	B3/2500		G3/2500
BVH (80°-90°)	56.8	0.4			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 I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2337	2337	2337	2337	2337	2337	2337	2337	2337	2337	2337
2.5°	2344	2342	2337	2352	2349	2350	2356	2352	2345	2333	2350
5°	2410	2409	2398	2407	2397	2390	2389	2379	2371	2358	2376
7.5°	2474	2473	2464	2480	2472	2464	2455	2435	2416	2397	2417
10°	2523	2522	2520	2543	2545	2548	2544	2510	2477	2454	2474
12.5°	2551	2554	2559	2601	2622	2642	2647	2619	2564	2531	2555
15°	2532	2538	2563	2639	2697	2742	2761	2738	2667	2612	2639
17.5°	2441	2446	2495	2611	2739	2843	2874	2860	2781	2714	2740
20°	2315	2326	2379	2541	2732	2913	2996	2991	2905	2802	2833
22.5°	2201	2214	2270	2449	2685	2931	3119	3132	3018	2890	2915
25°	2073	2085	2157	2340	2604	2917	3224	3283	3146	2991	3014
27.5°	1942	1951	2022	2217	2498	2891	3307	3449	3272	3061	3077
30°	1827	1839	1904	2094	2382	2839	3375	3626	3417	3140	3153
32.5°	1716	1726	1797	1973	2259	2759	3436	3834	3632	3287	3287
35°	1576	1594	1674	1857	2143	2653	3480	4076	3926	3504	3505
37.5°	1447	1457	1541	1726	2021	2533	3484	4327	4298	3780	3782
40°	1300	1313	1403	1586	1881	2407	3446	4561	4688	4064	4053
42.5°	1151	1170	1256	1435	1730	2253	3345	4784	5183	4393	4366
45°	1007	1019	1105	1274	1557	2069	3183	4998	5771	4893	4854
47.5°	845	850	939	1101	1378	1864	2951	5189	6417	5555	5488
50°	701	708	778	917	1159	1621	2662	5301	7240	6458	6342
52.5°	567	574	630	741	958	1344	2304	5275	8075	7579	7410
55°	458	463	501	588	754	1069	1881	5042	9002	9043	8679
57.5°	387	389	415	468	589	824	1452	4492	9974	10911	10313
60°	346	347	359	392	465	629	1064	3616	10981	13248	12428
62.5°	320	320	330	349	386	484	782	2597	11704	15791	14976
65°	295	295	302	318	338	395	587	1675	12059	17917	17736
67.5°	263	264	269	286	304	330	445	1133	11322	18505	19421
70°	233	234	241	252	267	285	348	781	8241	15412	17365
72.5°	200	204	209	221	230	243	284	506	4795	9914	11479
75°	164	169	175	187	193	198	234	361	2307	5024	5721
77.5°	127	132	139	150	154	160	179	261	1105	2227	2401
80°	85	87	93	106	113	117	132	178	480	894	886
82.5°	52	53	55	63	66	70	86	109	229	1016	1165
85°	19	18	17	22	26	30	40	55	100	698	781
87.5°	0	0	0	1	2	2	4	8	24	261	179
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2337	2337	2337	2337	2337	2337	2337	2337	2337	2337	2337
2.5°	2345	2334	2348	2358	2380	2388	2390	2383	2383	2371	2373
5°	2372	2365	2388	2405	2437	2449	2457	2452	2455	2447	2449
7.5°	2413	2407	2447	2480	2513	2527	2534	2530	2531	2521	2524
10°	2470	2472	2520	2563	2607	2621	2624	2612	2602	2584	2585
12.5°	2548	2558	2626	2674	2719	2739	2717	2673	2632	2601	2597
15°	2633	2651	2749	2810	2859	2849	2784	2685	2604	2558	2549
17.5°	2735	2762	2885	2958	3000	2936	2800	2652	2539	2477	2465
20°	2831	2874	3029	3124	3129	2985	2793	2585	2443	2367	2351
22.5°	2919	2974	3180	3301	3236	3007	2750	2490	2327	2238	2224
25°	3015	3093	3356	3469	3343	2998	2660	2372	2187	2096	2086
27.5°	3081	3179	3533	3641	3431	2947	2544	2243	2059	1973	1959
30°	3157	3282	3728	3828	3485	2872	2420	2123	1940	1847	1837
32.5°	3295	3452	3970	4026	3502	2779	2301	2007	1816	1723	1709
35°	3517	3701	4310	4247	3489	2677	2188	1871	1689	1602	1588
37.5°	3797	4026	4689	4446	3453	2565	2054	1757	1575	1487	1479
40°	4058	4340	5114	4618	3380	2427	1925	1638	1452	1359	1341
42.5°	4385	4760	5606	4767	3260	2262	1780	1491	1298	1214	1192
45°	4882	5348	6178	4910	3081	2059	1598	1312	1129	1043	1026
47.5°	5502	6083	6798	4995	2809	1845	1392	1123	940	843	835
50°	6373	7152	7463	4980	2505	1591	1160	898	745	675	664
52.5°	7434	8494	8182	4800	2182	1302	904	705	591	541	532
55°	8765	10101	8939	4414	1774	997	710	556	478	448	444
57.5°	10413	12182	9668	3764	1334	761	547	459	422	404	403
60°	12588	14391	10301	2925	955	582	452	410	381	369	368
62.5°	15174	16397	10695	1992	718	464	398	372	355	348	347
65°	17832	17665	10507	1305	545	394	357	343	328	321	321
67.5°	19402	17397	9064	906	432	346	322	309	284	278	278
70°	17185	14097	5941	663	350	303	280	262	252	246	245
72.5°	11366	9173	3159	460	292	258	237	230	218	212	211
75°	5657	4818	1619	332	243	207	198	195	185	177	175
77.5°	2358	2145	755	241	185	167	159	159	148	139	135
80°	889	792	357	165	137	124	119	115	106	95	89
82.5°	1189	777	175	103	90	80	73	70	65	60	56
85°	770	552	79	53	45	34	30	28	25	22	20
87.5°	157	185	24	10	6	3	3	1	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)