

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: P634812

Luminaire Tested: GWS-SA3C-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634812  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

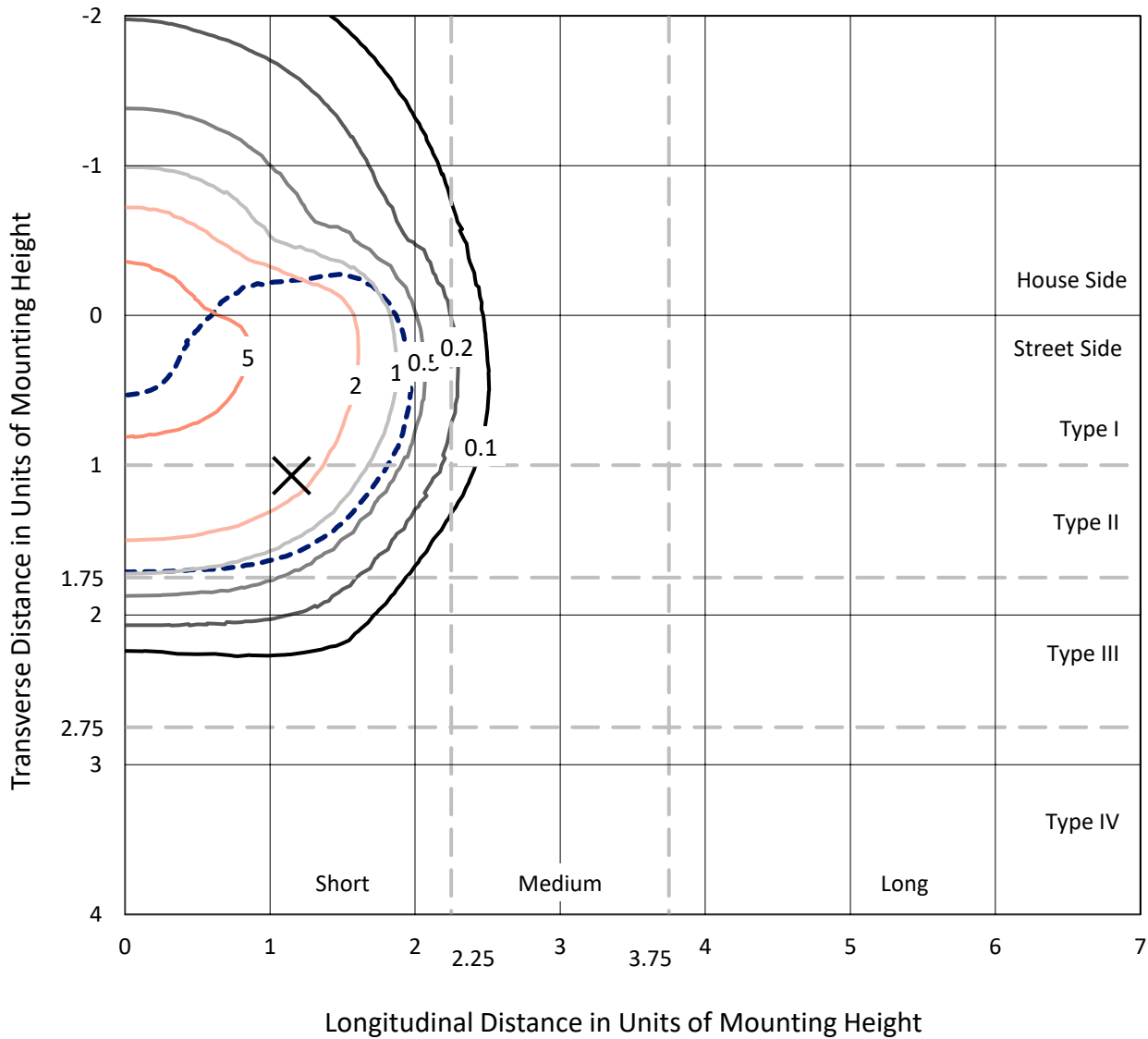
Lumens per Lamp: N/A  
Luminaire Lumens: 11906.1 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

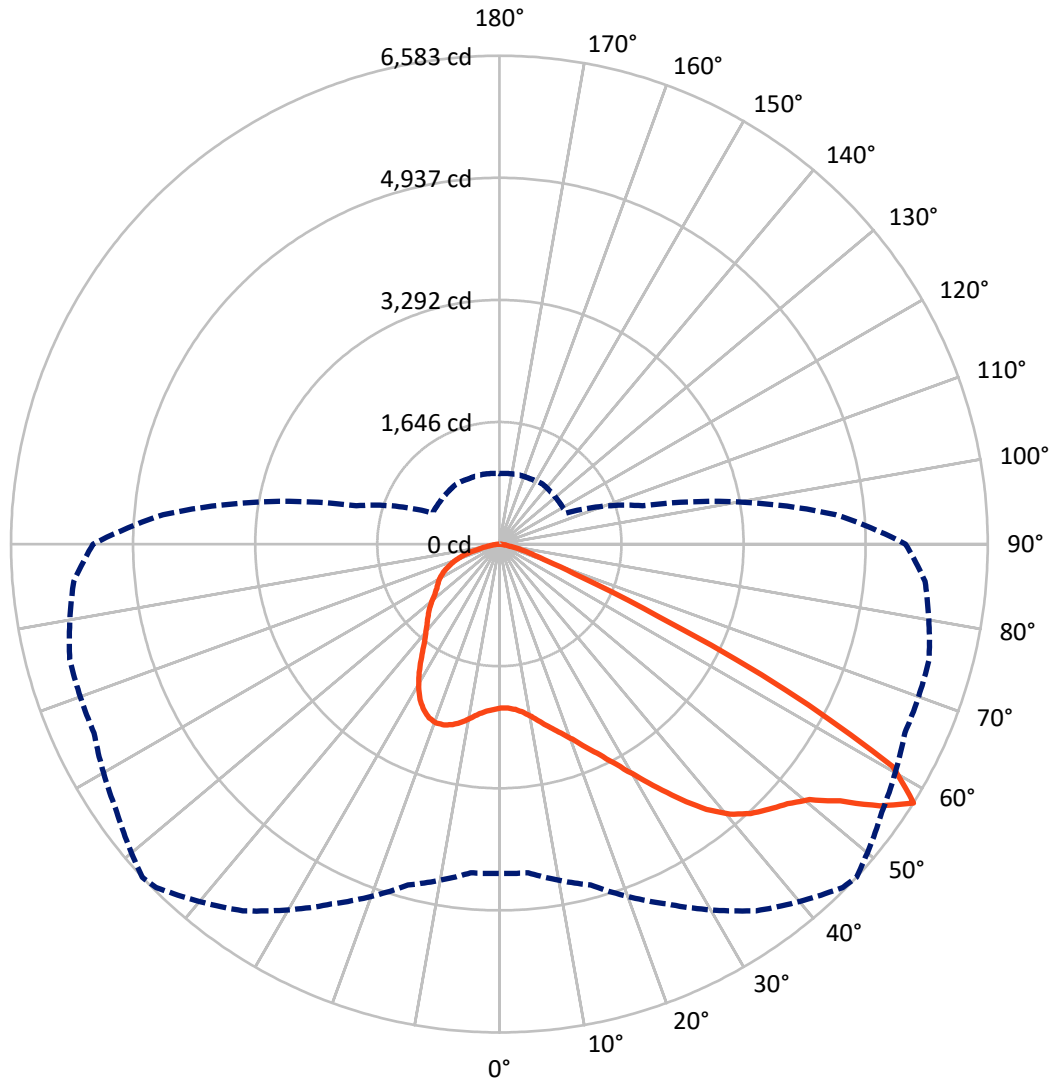
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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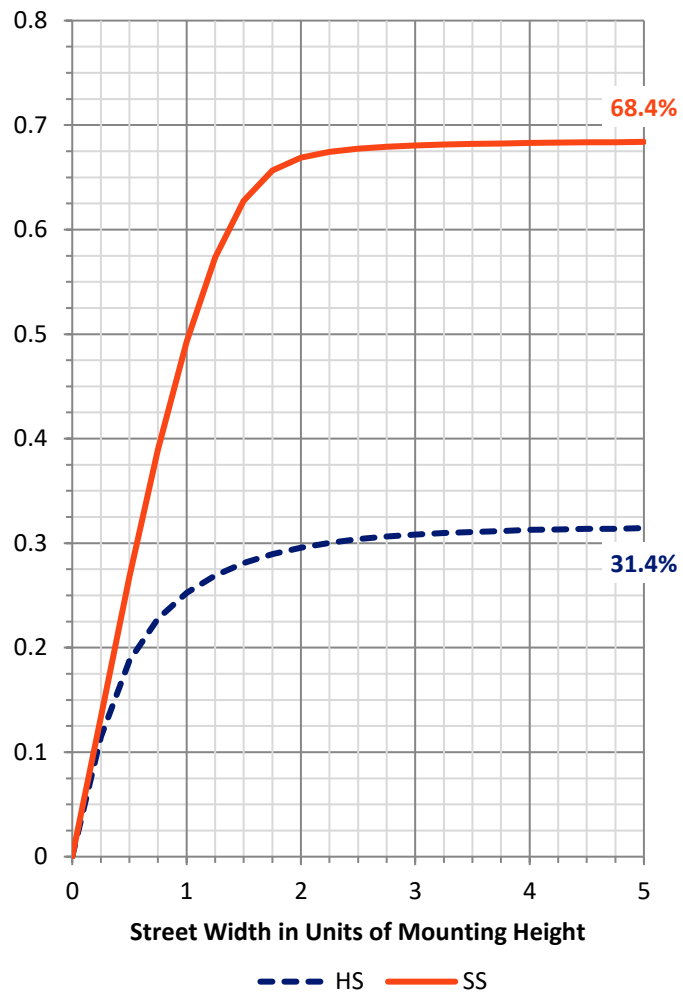
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3768.2	0.0	3768.2
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	8137.8	0.0	8137.8
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	11906.1	0.0	11906.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.8	1.8
10°-20°	716.3	6.0
20°-30°	1289.7	10.8
30°-40°	1948.0	16.4
40°-50°	2623.2	22.0
50°-60°	3152.2	26.5
60°-70°	1535.2	12.9
70°-80°	378.2	3.2
80°-90°	45.5	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°	11906.1	100.0
0°-180°	11906.1	100.0

**Coefficient of Utilization**



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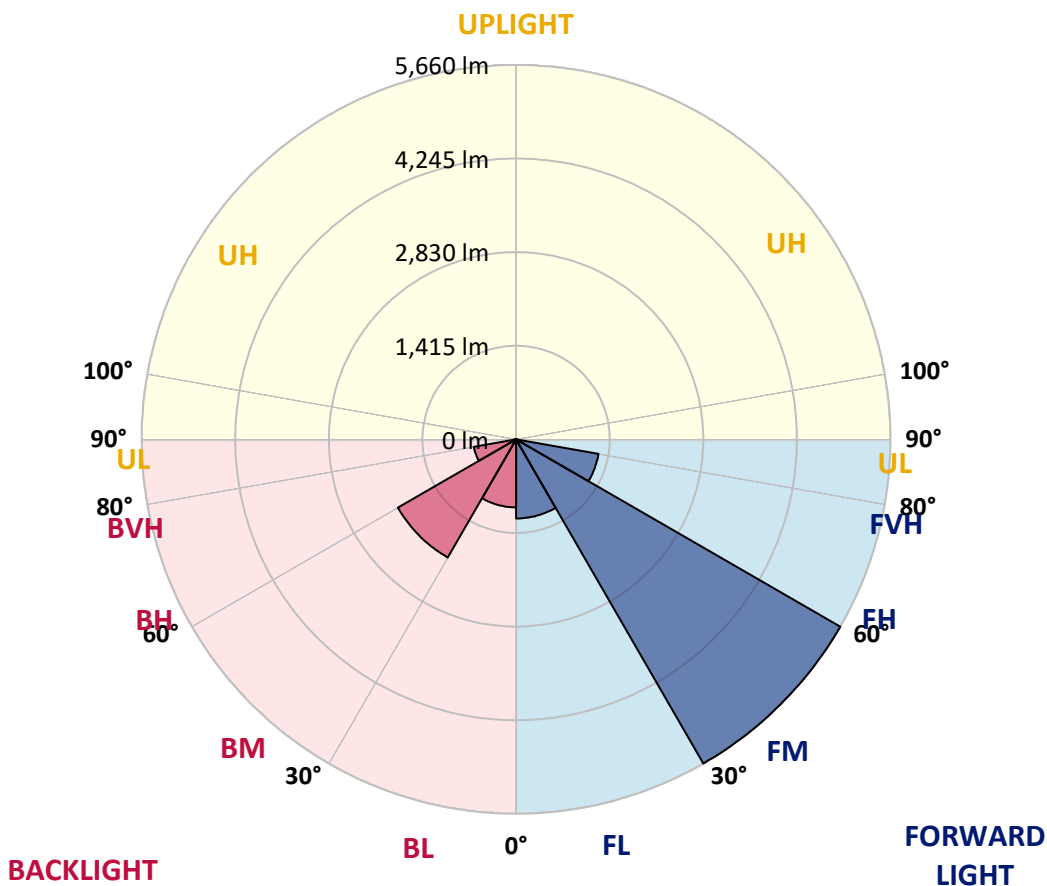
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1195.9	10.0			
FM (30°-60°)	5659.6	47.5			
FH (60°-80°)	1265.3	10.6			G1/1800
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	1027.9	8.6	B3/2500		
BM (30°-60°)	2063.9	17.3	B2/2500		
BH (60°-80°)	648.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	28.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208
2.5°	2204	2203	2203	2209	2209	2211	2214	2217	2218	2213	2202
5°	2228	2228	2228	2233	2233	2235	2239	2240	2239	2231	2220
7.5°	2266	2266	2267	2273	2278	2281	2288	2287	2284	2271	2257
10°	2328	2331	2334	2341	2351	2358	2363	2363	2359	2339	2321
12.5°	2416	2420	2423	2429	2437	2449	2460	2460	2455	2430	2403
15°	2519	2523	2522	2524	2539	2556	2565	2571	2573	2538	2496
17.5°	2637	2641	2637	2631	2633	2660	2676	2698	2711	2664	2597
20°	2744	2740	2740	2744	2750	2783	2807	2843	2859	2802	2698
22.5°	2857	2866	2862	2862	2886	2941	2970	3017	3034	2960	2820
25°	3003	3011	3009	3011	3039	3117	3146	3233	3250	3144	2955
27.5°	3163	3176	3182	3180	3225	3327	3363	3484	3515	3350	3099
30°	3371	3385	3390	3388	3441	3580	3621	3759	3803	3594	3282
32.5°	3612	3626	3641	3647	3715	3857	3916	4059	4122	3876	3503
35°	3851	3863	3892	3939	4032	4177	4229	4370	4431	4169	3770
37.5°	4115	4123	4148	4213	4347	4485	4537	4672	4679	4452	4072
40°	4404	4404	4399	4463	4603	4742	4787	4865	4824	4670	4366
42.5°	4649	4645	4649	4709	4813	4926	4965	4950	4898	4837	4632
45°	4870	4873	4909	4955	5009	5076	5099	5014	4967	4971	4845
47.5°	5020	5023	5107	5184	5217	5238	5228	5110	5086	5131	5009
50°	5040	5056	5201	5359	5441	5444	5416	5272	5265	5316	5097
52.5°	5044	5060	5241	5526	5739	5784	5752	5602	5529	5478	5205
55°	5029	5047	5247	5638	6046	6226	6229	6017	5784	5750	5513
57.5°	4440	4447	4757	5353	6034	6544	6583	6295	6029	5997	5760
60°	3093	3121	3458	4245	5069	5968	6094	6010	5832	5599	4942
62.5°	1549	1573	1911	2655	3496	4206	4341	4430	4472	4222	3365
65°	667	685	895	1387	1979	2322	2369	2476	2738	2443	1813
67.5°	446	458	565	846	1166	1188	1181	1204	1261	1041	819
70°	342	352	424	620	838	717	679	616	669	682	664
72.5°	248	256	310	423	525	458	452	484	556	576	565
75°	160	164	197	232	271	294	306	364	437	452	439
77.5°	107	110	129	149	154	155	159	185	235	263	260
80°	56	56	63	63	72	86	90	107	130	144	145
82.5°	22	23	27	30	36	44	47	56	68	78	87
85°	9	10	11	13	16	20	21	24	32	40	45
87.5°	0	0	1	1	2	3	3	4	5	9	12
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°	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208
2.5°	2215	2202	2215	2219	2230	2234	2227	2226	2226	2216	2213
5°	2230	2218	2231	2237	2253	2263	2265	2273	2278	2274	2273
7.5°	2267	2252	2266	2275	2296	2312	2319	2337	2350	2348	2347
10°	2332	2312	2328	2343	2366	2385	2386	2396	2409	2405	2403
12.5°	2407	2388	2406	2421	2448	2456	2443	2439	2441	2436	2432
15°	2499	2472	2488	2505	2520	2511	2483	2472	2471	2464	2460
17.5°	2591	2557	2569	2578	2571	2543	2508	2489	2480	2466	2462
20°	2682	2639	2637	2630	2598	2547	2500	2462	2439	2420	2413
22.5°	2786	2726	2696	2664	2594	2511	2440	2386	2349	2325	2317
25°	2898	2813	2751	2687	2554	2434	2335	2261	2217	2191	2182
27.5°	3009	2892	2799	2690	2474	2323	2190	2090	2046	2025	2018
30°	3159	2997	2856	2651	2369	2169	2003	1902	1873	1858	1852
32.5°	3332	3130	2932	2569	2235	1989	1814	1744	1724	1695	1694
35°	3560	3320	3004	2448	2066	1796	1669	1619	1583	1537	1533
37.5°	3826	3557	3043	2294	1869	1637	1561	1505	1447	1386	1378
40°	4101	3834	3046	2112	1676	1532	1468	1395	1323	1255	1246
42.5°	4390	4092	2993	1902	1518	1441	1376	1284	1203	1157	1152
45°	4648	4300	2873	1681	1401	1365	1282	1183	1140	1107	1100
47.5°	4851	4438	2711	1483	1306	1287	1179	1128	1095	1065	1058
50°	4951	4469	2500	1322	1218	1195	1121	1082	1060	1036	1030
52.5°	5075	4504	2318	1187	1132	1101	1073	1042	1026	1011	1006
55°	5360	4636	2222	1079	1050	1036	1032	1006	1001	991	982
57.5°	5476	4551	1995	991	985	987	997	973	968	956	950
60°	4404	3440	1351	915	931	944	954	930	923	921	913
62.5°	2822	2116	943	844	868	884	890	867	862	878	879
65°	1469	1153	765	768	788	812	824	816	814	831	832
67.5°	750	705	667	678	694	725	753	788	800	802	803
70°	639	619	600	607	624	641	668	685	665	660	658
72.5°	544	529	520	528	537	534	526	534	537	538	539
75°	423	412	405	406	406	395	380	371	361	353	353
77.5°	259	261	268	267	266	262	247	239	215	208	208
80°	148	151	158	160	160	155	140	131	120	115	114
82.5°	90	94	98	100	101	95	82	75	69	64	64
85°	47	49	53	54	51	45	38	35	29	28	28
87.5°	13	14	16	13	12	9	5	4	2	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)