

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: P634804

Luminaire Tested: GWS-SA3C-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11629.9 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

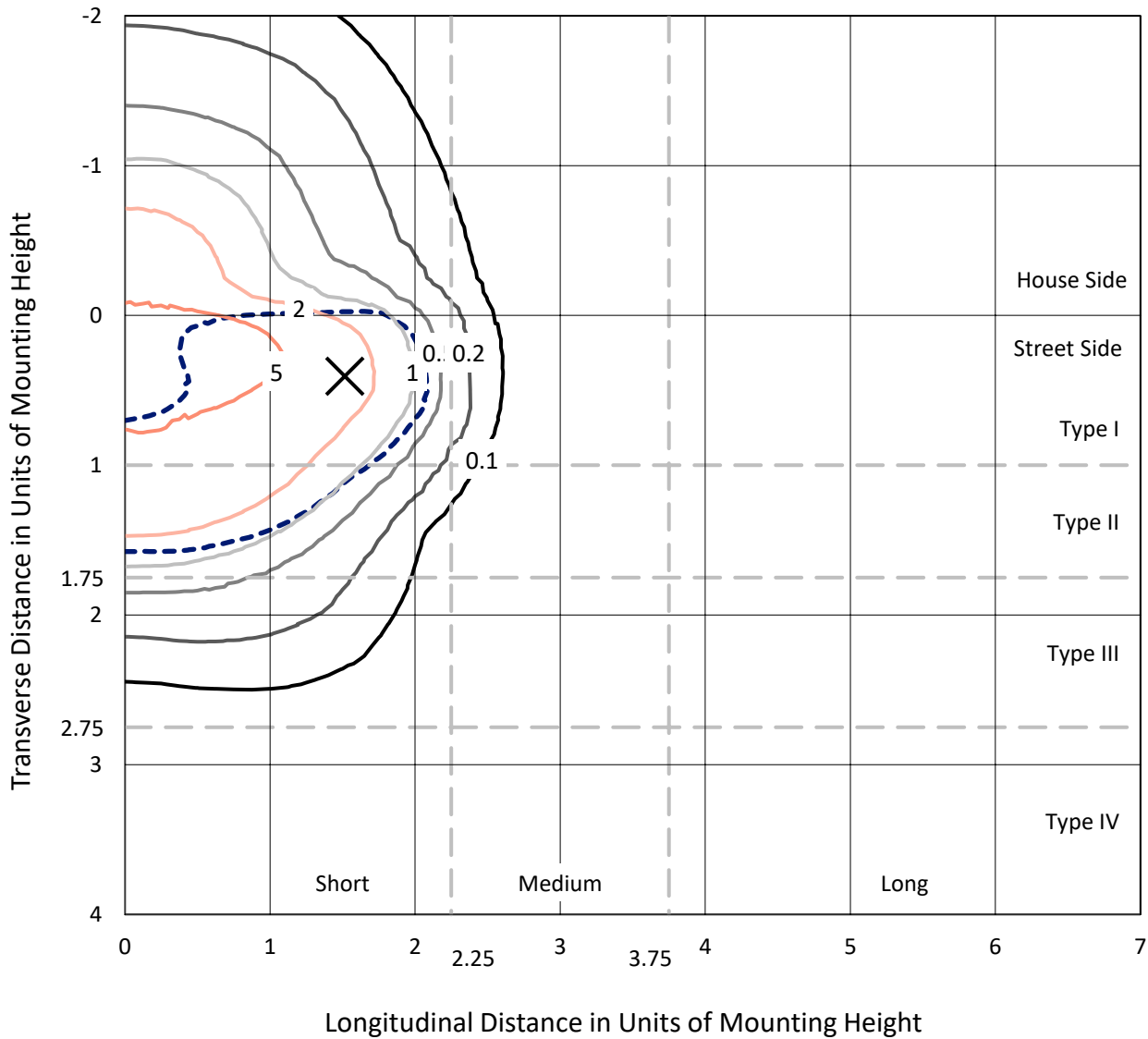
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

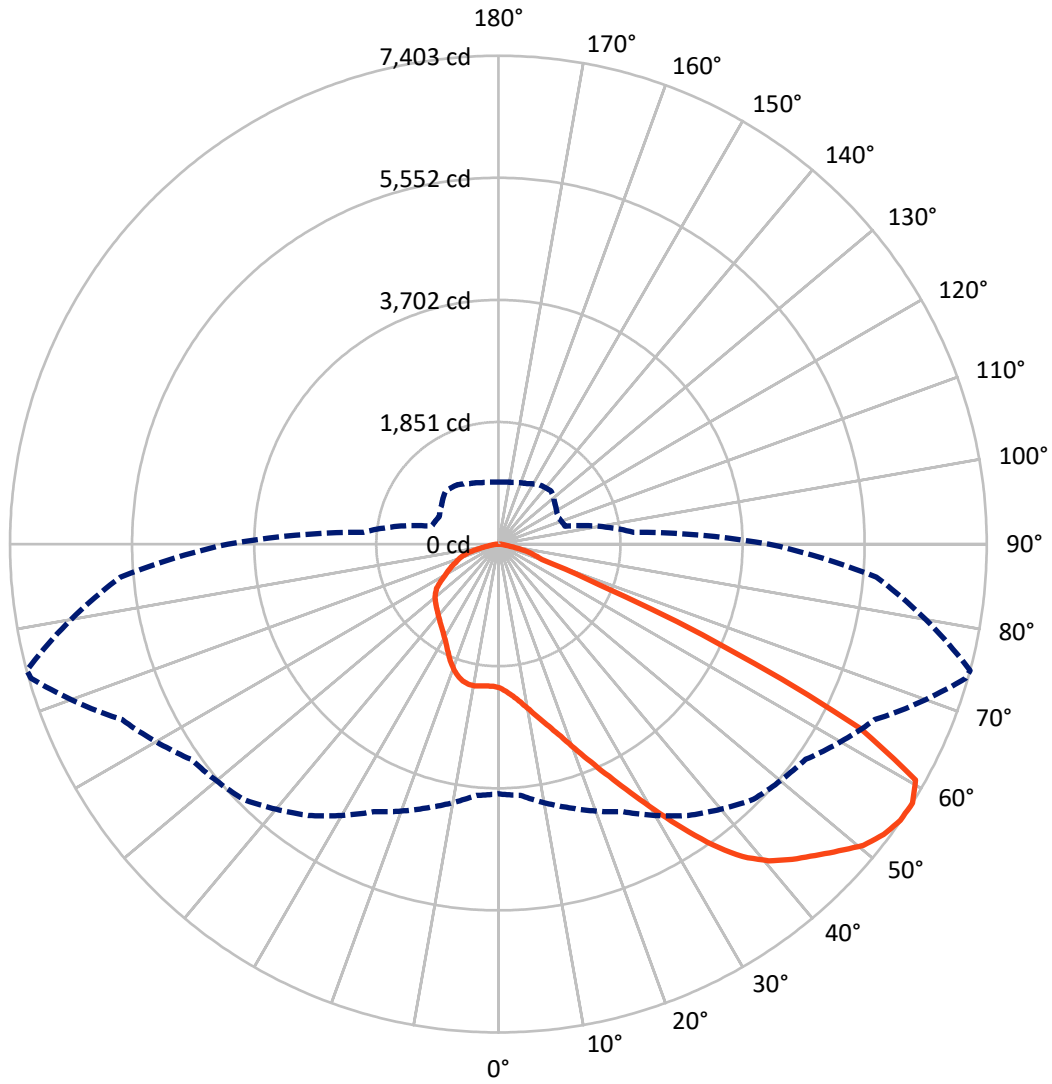
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3146.1	0.0	3146.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	8483.8	0.0	8483.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	11629.9	0.0	11629.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	1.9
10°-20°	693.9	6.0
20°-30°	1230.6	10.6
30°-40°	1883.9	16.2
40°-50°	2623.2	22.6
50°-60°	3005.7	25.8
60°-70°	1544.3	13.3
70°-80°	388.8	3.3
80°-90°	41.6	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°	11629.9	100.0
0°-180°	11629.9	100.0

Coefficient of Utilization



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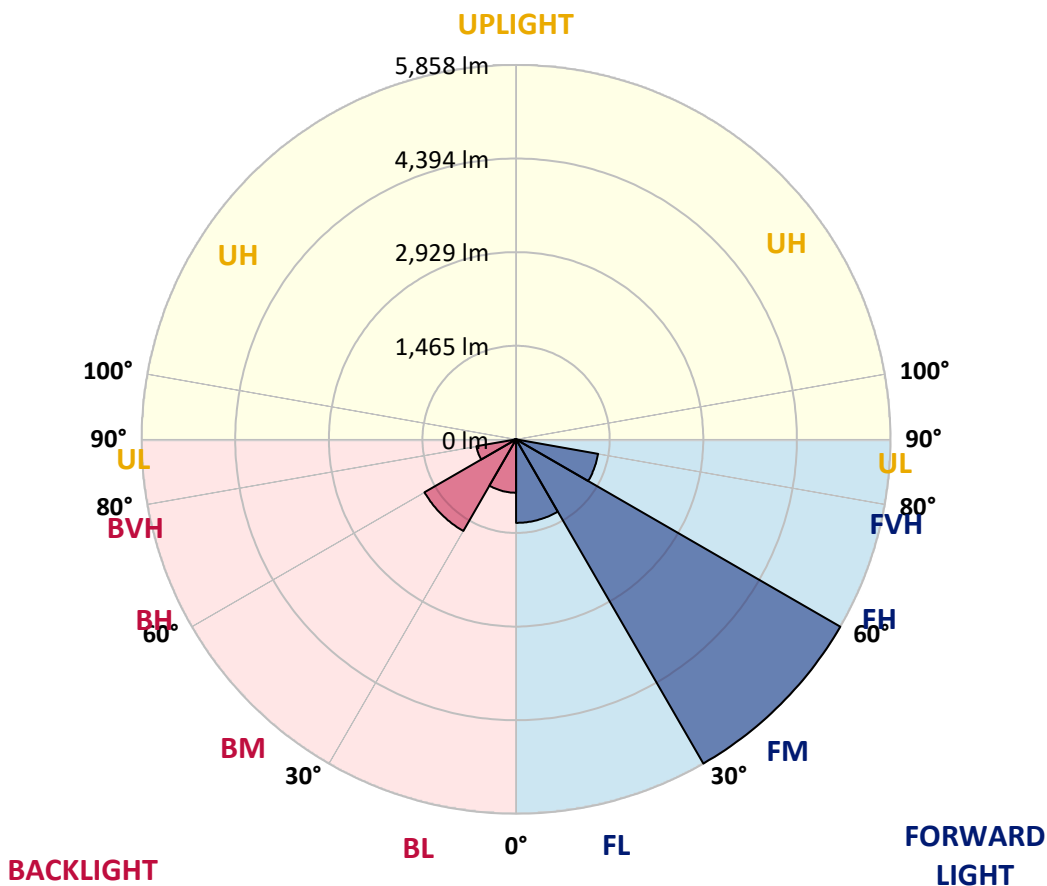
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1306.7	11.2			
FM (30°-60°)	5858.1	50.4			
FH (60°-80°)	1303.6	11.2			G1/1800
FVH (80°-90°)	15.4	0.1			G1/100
BL (0°-30°)	835.8	7.2	B2/1000		
BM (30°-60°)	1654.6	14.2	B2/2500		
BH (60°-80°)	629.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	26.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2178	2178	2178	2178	2178	2178	2178	2178	2178	2178	2178
2.5°	2340	2346	2340	2350	2330	2321	2299	2266	2240	2236	2207
5°	2522	2535	2527	2523	2496	2476	2443	2377	2323	2315	2258
7.5°	2639	2648	2648	2651	2641	2618	2583	2505	2429	2417	2331
10°	2678	2685	2698	2723	2743	2750	2727	2652	2559	2547	2427
12.5°	2687	2695	2715	2761	2816	2866	2870	2815	2711	2698	2538
15°	2704	2712	2739	2796	2877	2973	3032	2994	2879	2865	2664
17.5°	2702	2711	2751	2827	2936	3075	3189	3205	3086	3062	2807
20°	2697	2705	2748	2841	2976	3167	3373	3456	3328	3306	2974
22.5°	2737	2746	2779	2856	2997	3238	3543	3743	3615	3584	3166
25°	2827	2840	2860	2913	3035	3301	3717	4068	3937	3900	3375
27.5°	2966	2982	3010	3035	3120	3381	3890	4432	4301	4262	3596
30°	3136	3157	3193	3210	3268	3499	4078	4807	4731	4677	3845
32.5°	3371	3400	3434	3439	3474	3678	4264	5179	5178	5140	4128
35°	3677	3708	3715	3722	3739	3924	4489	5518	5649	5605	4436
37.5°	4011	4056	4067	4036	4060	4220	4742	5790	6059	6012	4734
40°	4368	4386	4416	4367	4397	4559	4990	5964	6365	6315	4969
42.5°	4624	4657	4702	4684	4701	4849	5164	6048	6583	6533	5138
45°	4902	4912	4941	4937	4947	5085	5289	6085	6778	6733	5282
47.5°	5144	5159	5178	5156	5134	5224	5391	6117	7003	6949	5433
50°	5377	5390	5413	5349	5267	5290	5441	6161	7214	7176	5552
52.5°	5420	5434	5542	5555	5450	5369	5529	6258	7338	7314	5595
55°	4879	4904	5119	5366	5625	5599	5670	6309	7387	7393	5672
57.5°	3787	3823	4137	4476	5021	5472	5688	6296	7370	7403	5751
60°	2484	2505	2877	3257	3822	4446	5091	6062	7219	7266	5731
62.5°	1500	1524	1823	2111	2444	2861	3453	4872	6051	6156	4590
65°	1047	1079	1341	1578	1693	1607	1749	2721	3770	3814	2805
67.5°	759	781	996	1278	1405	1135	865	1205	1642	1658	1157
70°	497	522	717	973	1147	920	647	652	691	699	672
72.5°	273	288	443	646	678	550	505	542	569	569	576
75°	141	154	181	213	257	301	364	419	448	450	447
77.5°	72	77	97	105	115	134	174	223	249	259	257
80°	34	36	41	48	59	75	94	112	128	130	141
82.5°	18	20	22	26	32	40	55	66	76	78	87
85°	7	8	9	10	14	17	23	31	38	38	45
87.5°	0	0	0	0	1	2	4	5	7	7	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°	2178	2178	2178	2178	2178	2178	2178	2178	2178	2178	2178
2.5°	2200	2171	2158	2137	2120	2101	2086	2075	2068	2064	2060
5°	2236	2192	2157	2115	2086	2058	2035	2019	2011	2005	2001
7.5°	2292	2233	2167	2102	2051	2006	1977	1960	1949	1945	1942
10°	2369	2287	2178	2075	1999	1950	1930	1922	1923	1921	1920
12.5°	2456	2344	2175	2027	1943	1914	1915	1928	1943	1947	1948
15°	2550	2400	2146	1965	1899	1902	1928	1959	1987	1998	2000
17.5°	2652	2447	2093	1897	1863	1895	1943	1994	2035	2053	2058
20°	2766	2487	2018	1830	1829	1882	1952	2019	2071	2095	2099
22.5°	2887	2512	1926	1768	1794	1865	1945	2015	2070	2094	2099
25°	3009	2520	1825	1711	1758	1838	1911	1967	2019	2040	2044
27.5°	3123	2497	1729	1662	1725	1798	1847	1877	1913	1929	1932
30°	3239	2451	1648	1623	1688	1743	1765	1767	1781	1781	1783
32.5°	3356	2383	1577	1585	1642	1678	1681	1658	1641	1613	1612
35°	3491	2314	1519	1542	1588	1610	1601	1557	1516	1470	1468
37.5°	3616	2243	1470	1498	1527	1543	1522	1469	1435	1388	1381
40°	3719	2179	1423	1452	1466	1480	1446	1403	1408	1382	1381
42.5°	3779	2117	1379	1401	1410	1420	1390	1358	1385	1365	1366
45°	3823	2063	1339	1347	1369	1384	1356	1320	1326	1249	1231
47.5°	3873	2033	1301	1293	1332	1358	1315	1263	1227	1151	1144
50°	3926	2022	1261	1239	1286	1311	1261	1196	1149	1108	1104
52.5°	3944	2021	1211	1174	1221	1256	1214	1148	1092	1052	1050
55°	4015	2050	1147	1085	1129	1201	1170	1075	1030	1012	1010
57.5°	4098	2055	1046	988	1049	1134	1095	1013	964	942	940
60°	4064	1932	938	914	981	1071	1035	964	907	886	884
62.5°	3097	1364	859	850	908	980	973	899	845	830	828
65°	1863	958	783	782	823	892	901	841	784	763	763
67.5°	921	733	697	692	718	767	805	756	708	688	685
70°	651	646	634	620	625	645	661	620	569	549	545
72.5°	563	564	556	545	541	527	513	483	452	431	433
75°	437	439	444	440	429	414	399	361	336	316	312
77.5°	255	265	281	277	279	258	252	215	192	178	175
80°	144	150	157	162	156	147	134	114	107	97	95
82.5°	87	93	96	100	98	86	76	63	57	52	51
85°	44	48	51	53	47	39	35	28	24	21	21
87.5°	11	12	14	12	11	5	4	1	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)