

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: P634803

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8286.1 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

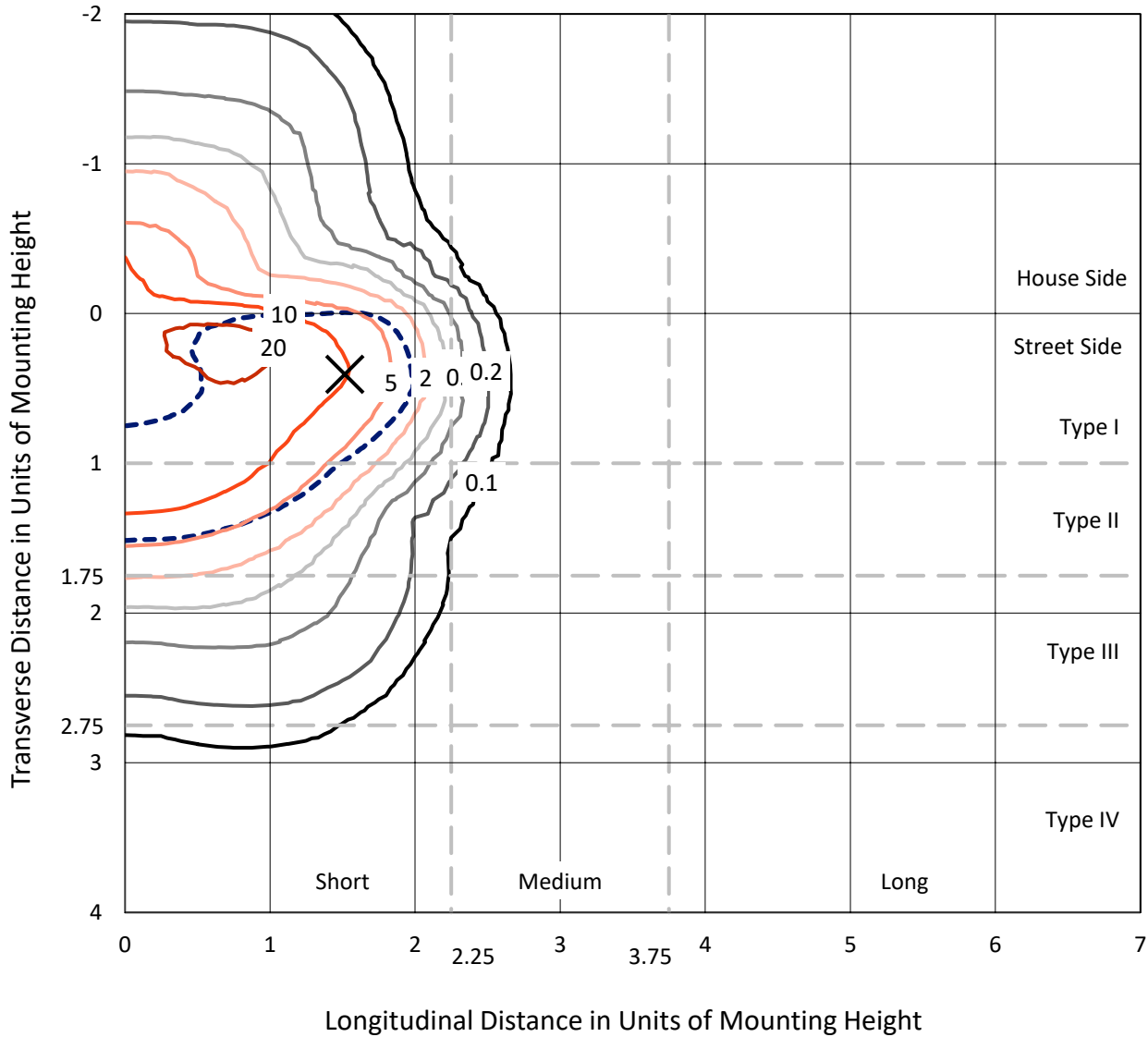
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

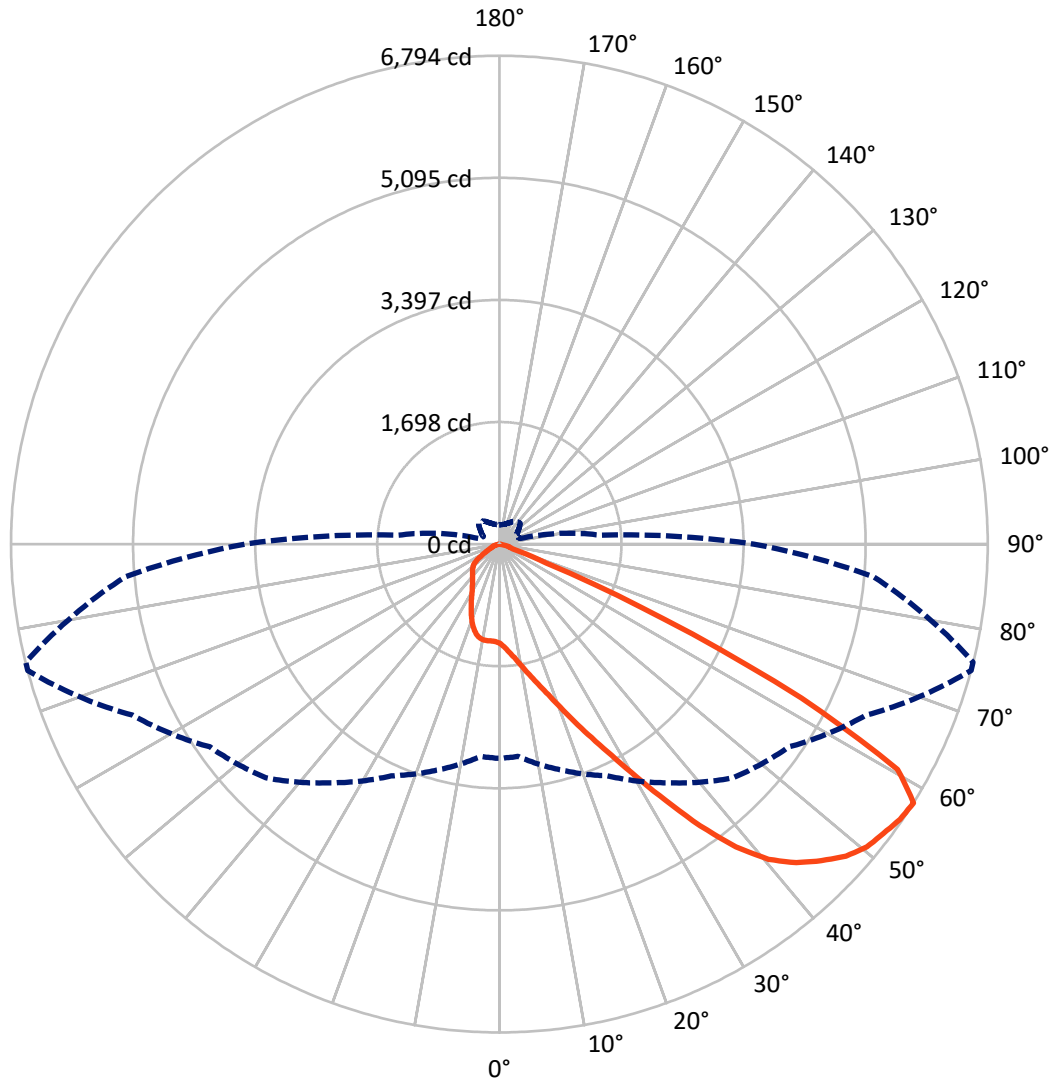
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 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	1353.5	0.0	1353.5
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	6932.5	0.0	6932.5
	% Fixture	83.7	0.0	83.7
Total	Lumens	8286.1	0.0	8286.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	1.7
10°-20°	456.8	5.5
20°-30°	836.6	10.1
30°-40°	1387.9	16.8
40°-50°	2119.7	25.6
50°-60°	2381.8	28.7
60°-70°	878.5	10.6
70°-80°	84.0	1.0
80°-90°	0.1	0.0
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°	8286.1	100.0
0°-180°	8286.1	100.0

Coefficient of Utilization



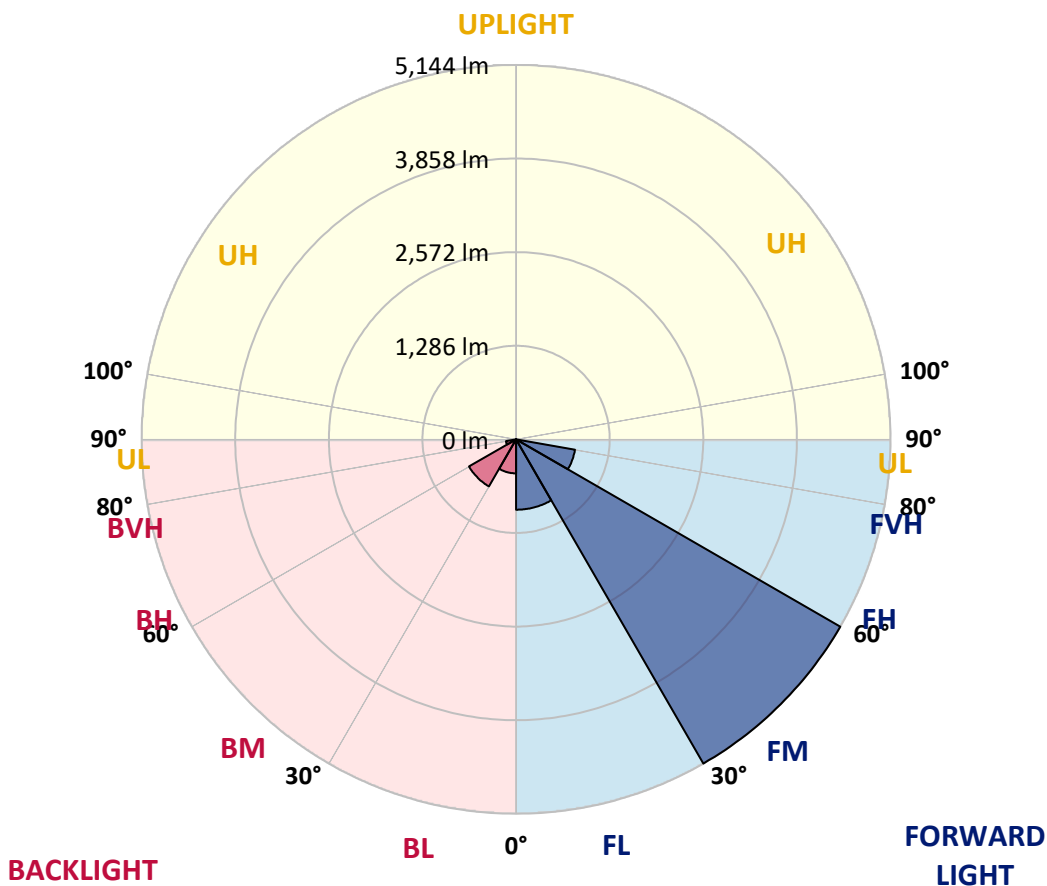
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.0	11.7			
FM (30°-60°)	5143.6	62.1			
FH (60°-80°)	821.9	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	467.0	5.6	B1/500		
BM (30°-60°)	745.9	9.0	B1/1000		
BH (60°-80°)	140.6	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1382	1382	1382	1382	1382	1382	1382	1382	1382	1382	1382
2.5°	1544	1560	1555	1545	1539	1518	1505	1467	1440	1437	1412
5°	1739	1736	1732	1720	1710	1677	1638	1574	1517	1510	1457
7.5°	1846	1848	1850	1848	1841	1816	1773	1698	1611	1605	1521
10°	1890	1894	1904	1923	1940	1938	1913	1836	1729	1719	1606
12.5°	1911	1916	1932	1968	2014	2050	2054	1985	1867	1851	1707
15°	1940	1945	1965	2012	2079	2150	2196	2152	2020	2003	1818
17.5°	1953	1960	1989	2051	2138	2247	2351	2347	2201	2188	1947
20°	1978	1983	2009	2076	2181	2338	2513	2576	2422	2403	2103
22.5°	2057	2059	2071	2113	2211	2404	2678	2843	2683	2658	2278
25°	2186	2185	2190	2197	2269	2471	2837	3144	2982	2955	2476
27.5°	2350	2350	2362	2342	2371	2554	2994	3490	3330	3292	2693
30°	2543	2542	2570	2538	2547	2685	3163	3867	3750	3703	2943
32.5°	2805	2799	2831	2787	2757	2883	3369	4261	4253	4181	3257
35°	3136	3126	3136	3093	3039	3160	3639	4654	4811	4735	3631
37.5°	3465	3497	3508	3434	3390	3511	3964	5006	5344	5265	4020
40°	3853	3843	3881	3798	3770	3904	4282	5268	5766	5691	4366
42.5°	4139	4157	4204	4158	4136	4262	4549	5421	6059	5985	4613
45°	4482	4495	4513	4475	4452	4576	4742	5488	6282	6202	4779
47.5°	4853	4863	4863	4785	4711	4762	4871	5526	6487	6410	4902
50°	5119	5124	5168	5113	4952	4873	4930	5563	6623	6551	4942
52.5°	4883	4877	5022	5136	5179	5022	5032	5617	6689	6627	4974
55°	4112	4102	4306	4583	4962	5163	5155	5649	6762	6724	5090
57.5°	2981	2964	3248	3556	4053	4598	4918	5631	6794	6791	5225
60°	1792	1778	2046	2370	2754	3302	3833	5044	6366	6372	4874
62.5°	1103	1116	1358	1523	1666	1831	2138	3393	4716	4755	3425
65°	742	752	976	1184	1184	968	831	1622	2516	2450	1620
67.5°	498	509	686	929	964	675	337	484	701	680	401
70°	293	305	457	637	702	470	225	205	199	193	156
72.5°	131	136	233	324	296	198	159	164	155	152	127
75°	40	42	60	70	71	71	96	129	122	123	98
77.5°	10	10	16	15	8	7	18	29	30	27	20
80°	0	0	0	0	0	1	1	1	1	1	1
82.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
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°	1382	1382	1382	1382	1382	1382	1382	1382	1382	1382	1382
2.5°	1401	1375	1358	1334	1317	1299	1283	1270	1263	1261	1262
5°	1433	1392	1352	1306	1274	1244	1220	1201	1192	1189	1189
7.5°	1482	1425	1354	1282	1228	1181	1153	1132	1124	1122	1116
10°	1546	1468	1351	1239	1163	1114	1094	1088	1091	1092	1091
12.5°	1623	1513	1332	1176	1094	1064	1066	1082	1100	1109	1111
15°	1705	1554	1289	1101	1035	1034	1063	1100	1135	1150	1154
17.5°	1797	1587	1223	1021	984	1013	1065	1122	1169	1194	1199
20°	1898	1614	1139	946	939	991	1063	1133	1191	1219	1224
22.5°	2003	1633	1042	877	898	966	1044	1112	1167	1199	1203
25°	2123	1635	943	819	860	932	998	1054	1100	1128	1131
27.5°	2228	1611	855	772	825	890	934	965	997	1013	1014
30°	2349	1569	772	734	789	838	860	867	870	873	869
32.5°	2493	1518	710	697	748	781	787	773	756	732	726
35°	2670	1472	659	661	703	723	718	688	655	626	621
37.5°	2862	1433	620	626	654	668	653	620	605	580	581
40°	3032	1401	585	591	604	617	593	571	599	597	599
42.5°	3153	1374	555	552	561	570	552	541	588	575	582
45°	3224	1349	530	512	526	542	530	516	532	472	467
47.5°	3272	1335	508	473	498	526	501	467	444	392	388
50°	3277	1328	482	433	465	495	466	419	386	363	360
52.5°	3303	1342	446	382	417	465	445	398	353	333	329
55°	3419	1401	386	312	363	442	428	355	312	300	297
57.5°	3539	1413	304	247	316	409	391	327	285	271	268
60°	3236	1164	228	204	279	378	362	310	261	244	241
62.5°	2126	629	181	173	235	320	330	280	233	215	214
65°	980	292	139	137	184	255	284	245	197	181	181
67.5°	267	145	109	101	125	171	207	183	140	121	120
70°	133	117	98	87	90	106	122	102	71	58	57
72.5°	109	96	83	74	68	65	63	51	33	25	24
75°	81	69	59	48	41	38	34	25	14	8	7
77.5°	18	17	16	12	11	9	7	5	2	0	0
80°	1	1	1	1	1	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)