

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: P634789

Luminaire Tested: GWS-SA3C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 11682 lumens
Efficiency: N/A
Efficacy: 125.6 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

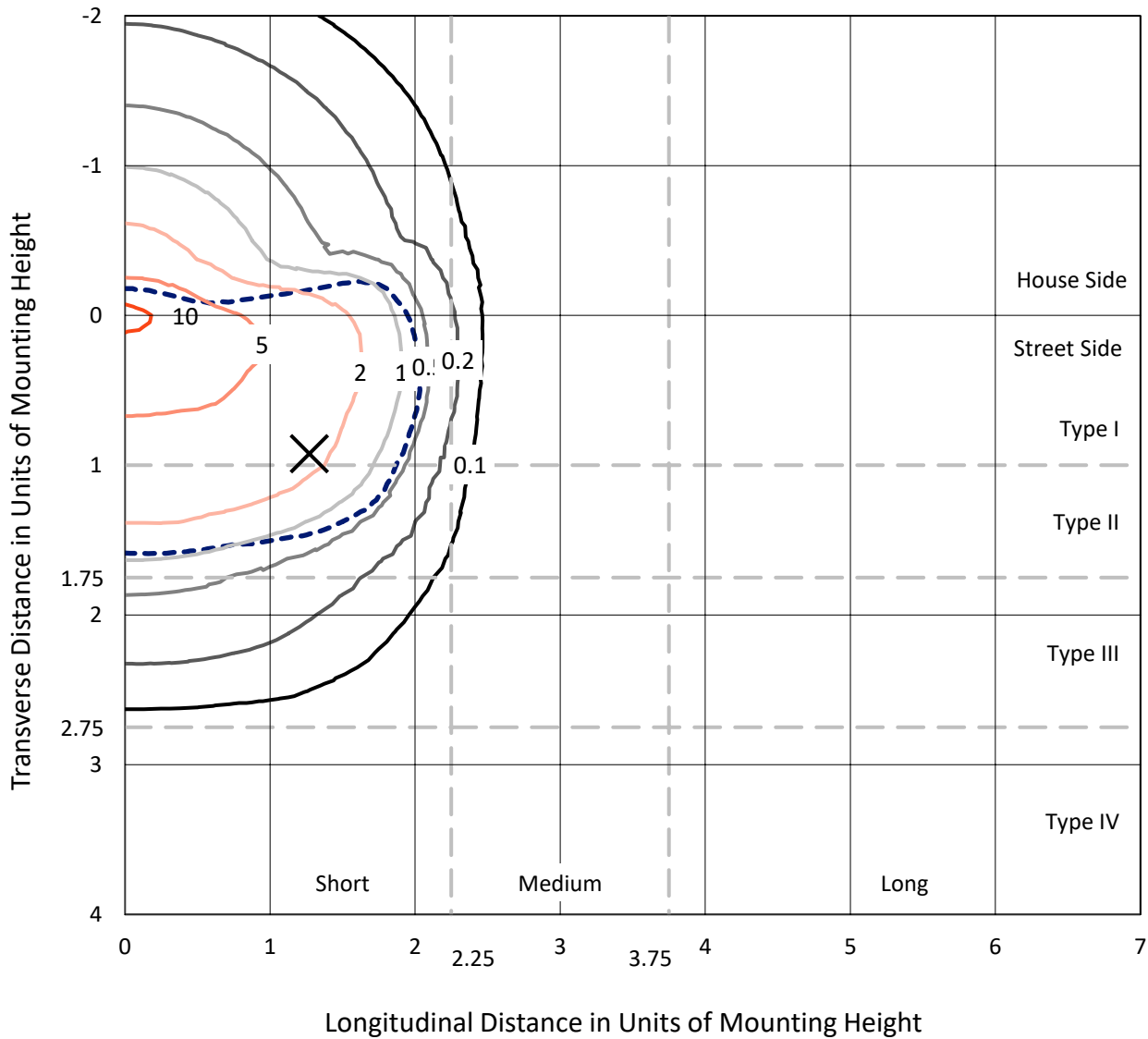
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

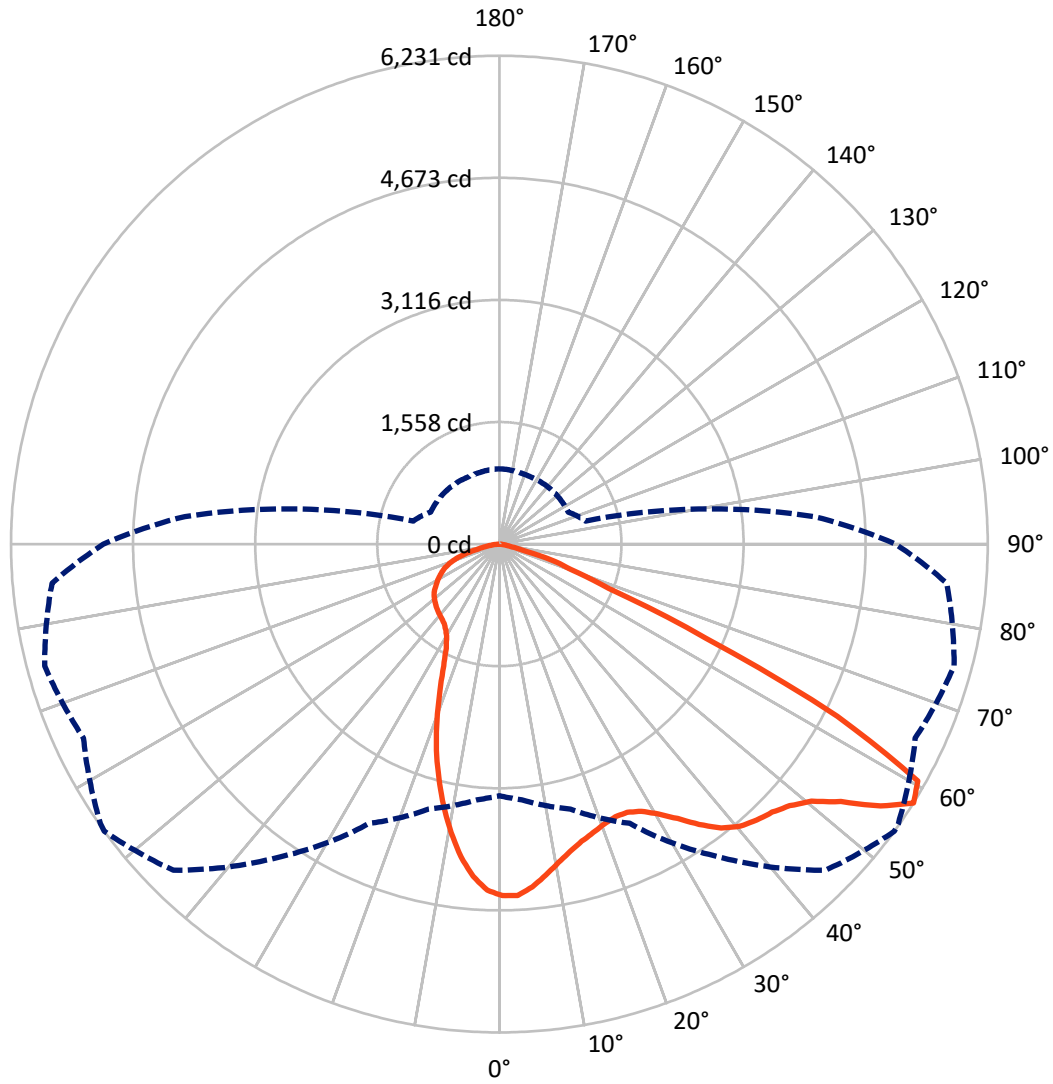
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3396.1	0.0	3396.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8285.9	0.0	8285.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	11682.0	0.0	11682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.2	3.4
10°-20°	940.7	8.1
20°-30°	1301.8	11.1
30°-40°	1808.8	15.5
40°-50°	2388.9	20.4
50°-60°	2838.8	24.3
60°-70°	1572.7	13.5
70°-80°	391.6	3.4
80°-90°	44.5	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°	11682.0	100.0
0°-180°	11682.0	100.0

Coefficient of Utilization



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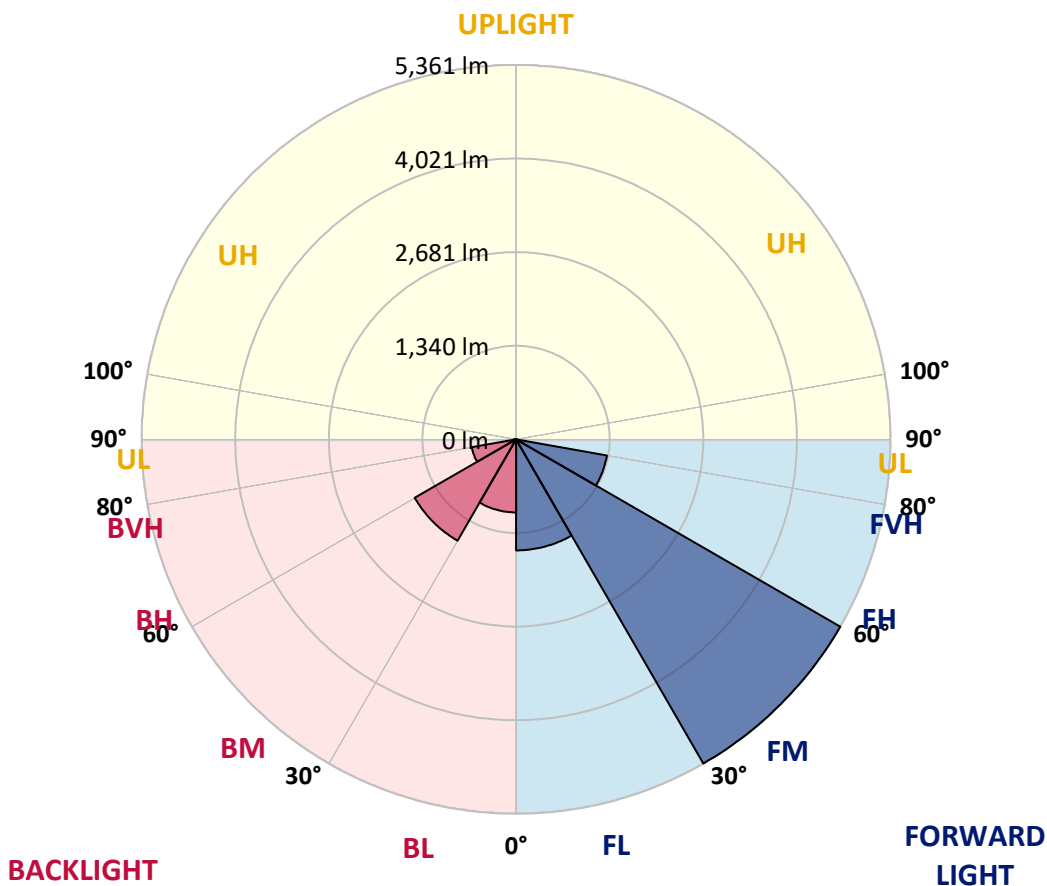
CATALOG NUMBER: GWS-SA3C-740-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1590.1	13.6			
FM (30°-60°)	5361.1	45.9			
FH (60°-80°)	1320.8	11.3			G1/1800
FVH (80°-90°)	13.9	0.1			G1/100
BL (0°-30°)	1046.5	9.0	B3/2500		
BM (30°-60°)	1675.4	14.3	B2/2500		
BH (60°-80°)	643.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	30.6	0.3			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°	54°	55°	65°	75°	85°
0°	4485	4485	4485	4485	4485	4485	4485	4485	4485	4485	4485
2.5°	4401	4410	4416	4437	4455	4471	4488	4488	4487	4484	4478
5°	4227	4237	4251	4280	4319	4347	4393	4397	4417	4425	4421
7.5°	4025	4028	4046	4084	4146	4196	4262	4270	4318	4346	4341
10°	3804	3794	3826	3882	3963	4047	4132	4139	4216	4269	4265
12.5°	3602	3603	3635	3703	3804	3908	4022	4038	4133	4201	4194
15°	3433	3437	3476	3553	3668	3792	3934	3949	4069	4159	4139
17.5°	3298	3302	3336	3424	3547	3697	3870	3885	4034	4141	4100
20°	3205	3203	3236	3320	3447	3610	3814	3836	4023	4148	4074
22.5°	3167	3166	3190	3259	3378	3543	3780	3810	4035	4179	4058
25°	3186	3182	3203	3254	3349	3517	3790	3822	4086	4243	4061
27.5°	3245	3240	3258	3304	3376	3544	3860	3897	4194	4360	4101
30°	3335	3332	3350	3394	3457	3634	3994	4036	4361	4542	4188
32.5°	3440	3435	3467	3518	3591	3798	4174	4229	4559	4776	4334
35°	3558	3554	3598	3672	3777	4026	4392	4452	4761	5041	4528
37.5°	3673	3673	3758	3868	4000	4274	4597	4635	4901	5276	4736
40°	3775	3781	3909	4074	4242	4498	4732	4764	4963	5438	4917
42.5°	3888	3893	4042	4258	4458	4679	4814	4830	4975	5519	5045
45°	3978	3985	4170	4401	4646	4815	4879	4893	4992	5563	5138
47.5°	4025	4035	4247	4516	4773	4937	4986	4992	5062	5640	5250
50°	4017	4037	4276	4573	4867	5060	5158	5168	5205	5753	5381
52.5°	4088	4097	4338	4641	5001	5287	5457	5471	5454	5838	5459
55°	3970	4013	4261	4631	5205	5638	5900	5893	5680	5933	5589
57.5°	3211	3274	3501	3931	4869	5884	6231	6214	5855	6006	5730
60°	2223	2233	2438	2743	3758	5198	6134	6171	5887	5914	5469
62.5°	1778	1775	1794	1802	2390	3654	4842	4977	4891	4608	3876
65°	1518	1529	1585	1556	1560	2058	2893	2912	2852	2750	2050
67.5°	1188	1207	1306	1419	1383	1325	1501	1492	1176	910	752
70°	744	756	862	1114	1204	1088	965	961	630	518	568
72.5°	434	436	466	621	799	744	710	684	405	413	453
75°	239	239	238	268	315	279	270	263	271	307	337
77.5°	50	51	54	71	92	112	141	142	177	205	229
80°	23	24	30	38	49	65	86	87	107	129	145
82.5°	12	13	16	20	26	34	48	48	64	76	86
85°	4	4	6	8	11	14	19	19	28	37	43
87.5°	0	0	0	0	1	2	4	4	5	6	10
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°	4485	4485	4485	4485	4485	4485	4485	4485	4485	4485	4485
2.5°	4465	4434	4435	4441	4422	4393	4374	4350	4335	4332	4343
5°	4401	4365	4340	4314	4260	4196	4146	4105	4078	4068	4056
7.5°	4313	4266	4203	4130	4032	3918	3838	3763	3711	3696	3689
10°	4225	4157	4045	3909	3746	3592	3447	3336	3248	3198	3214
12.5°	4134	4050	3875	3666	3439	3207	3017	2833	2691	2620	2599
15°	4054	3940	3696	3413	3111	2819	2544	2268	2088	1990	1963
17.5°	3986	3838	3507	3155	2794	2378	2040	1784	1661	1607	1603
20°	3919	3738	3320	2877	2428	1962	1660	1540	1496	1477	1476
22.5°	3859	3633	3123	2599	2064	1649	1483	1431	1419	1419	1417
25°	3808	3528	2921	2304	1735	1468	1391	1369	1374	1383	1384
27.5°	3787	3446	2726	2001	1508	1363	1328	1325	1339	1353	1355
30°	3809	3390	2526	1711	1372	1299	1283	1289	1306	1320	1320
32.5°	3877	3362	2322	1499	1293	1254	1249	1255	1268	1276	1277
35°	3992	3373	2111	1356	1242	1221	1220	1224	1229	1234	1235
37.5°	4137	3422	1885	1273	1209	1197	1195	1194	1195	1195	1196
40°	4279	3496	1683	1224	1186	1176	1171	1164	1163	1161	1160
42.5°	4384	3553	1522	1189	1165	1153	1147	1136	1135	1134	1133
45°	4463	3601	1388	1155	1143	1132	1119	1109	1111	1113	1113
47.5°	4552	3643	1290	1123	1116	1105	1089	1082	1089	1096	1096
50°	4660	3702	1210	1091	1088	1075	1061	1058	1066	1076	1076
52.5°	4739	3753	1153	1059	1059	1042	1030	1029	1038	1048	1049
55°	4887	3872	1133	1022	1018	1005	996	989	1000	1009	1009
57.5°	5054	4030	1138	969	964	960	953	945	948	958	959
60°	4700	3724	1083	916	913	911	902	888	892	900	901
62.5°	3283	2475	876	850	860	859	847	831	832	843	843
65°	1704	1339	769	790	805	799	779	765	763	777	774
67.5°	735	731	700	727	743	730	709	686	688	693	689
70°	592	610	623	652	665	641	618	605	594	593	586
72.5°	473	498	527	557	561	537	508	496	479	478	471
75°	356	377	400	424	424	401	382	376	356	350	344
77.5°	243	256	274	280	286	277	258	248	225	219	211
80°	153	162	173	177	183	172	157	146	130	125	121
82.5°	92	98	105	107	112	104	90	82	73	69	66
85°	47	50	54	55	54	46	41	37	31	30	28
87.5°	12	14	15	14	13	10	7	5	2	2	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)