

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: P634788

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 8159 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

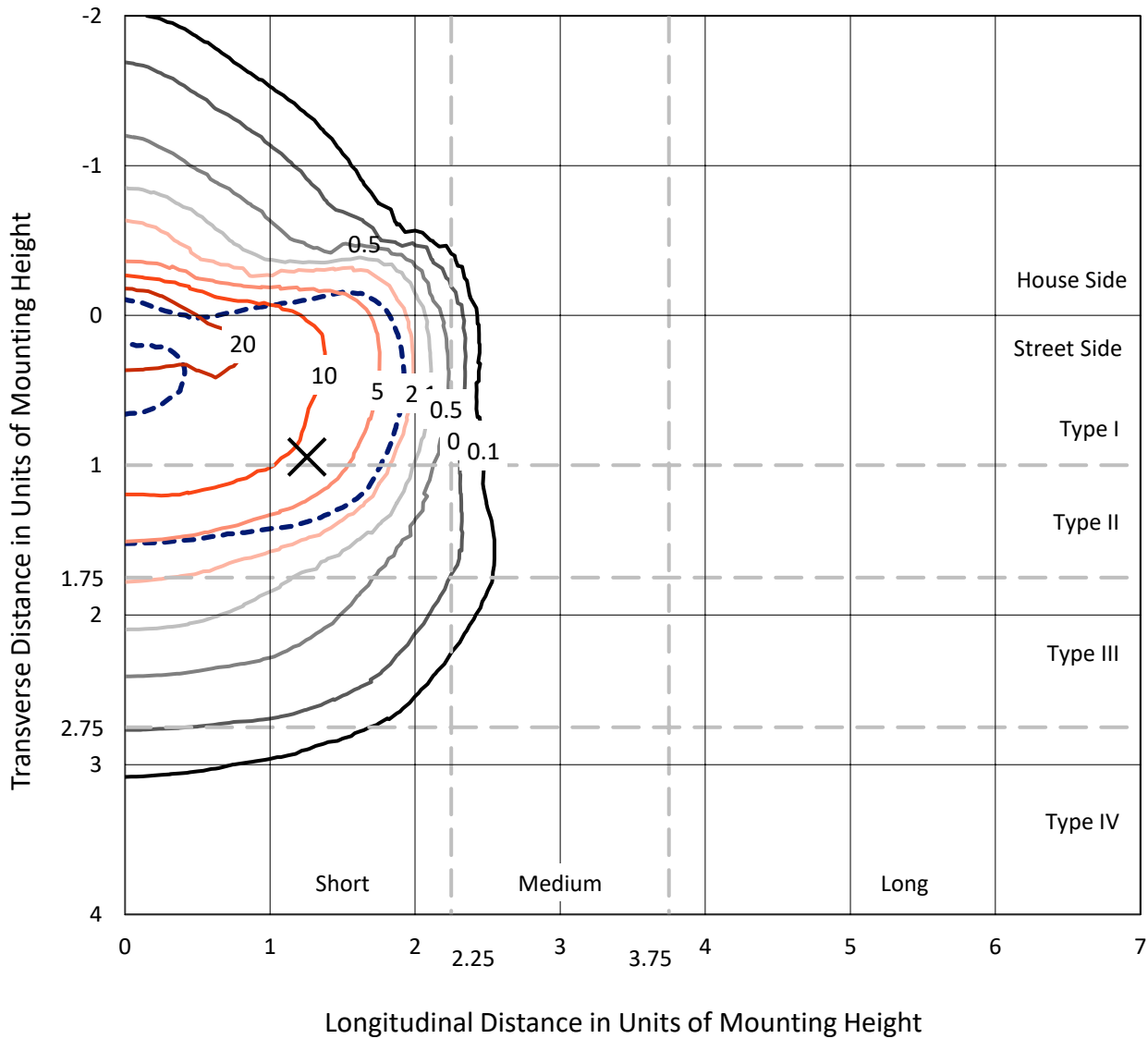
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

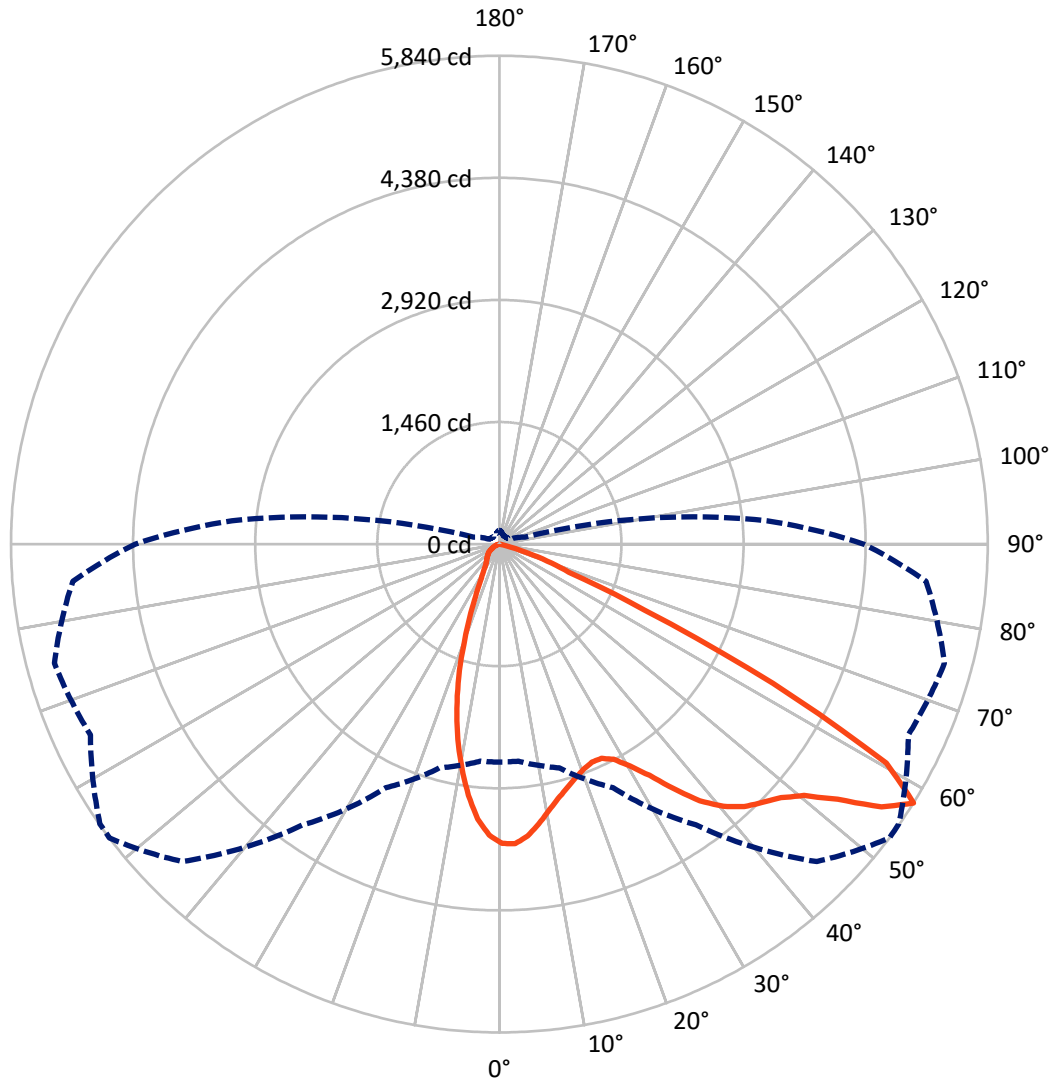
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.8	0.0	1347.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6811.2	0.0	6811.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	8159.0	0.0	8159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	3.8
10°-20°	672.2	8.2
20°-30°	875.8	10.7
30°-40°	1270.3	15.6
40°-50°	1833.0	22.5
50°-60°	2216.8	27.2
60°-70°	903.5	11.1
70°-80°	81.2	1.0
80°-90°	0.0	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°	8159.0	100.0
0°-180°	8159.0	100.0

Coefficient of Utilization



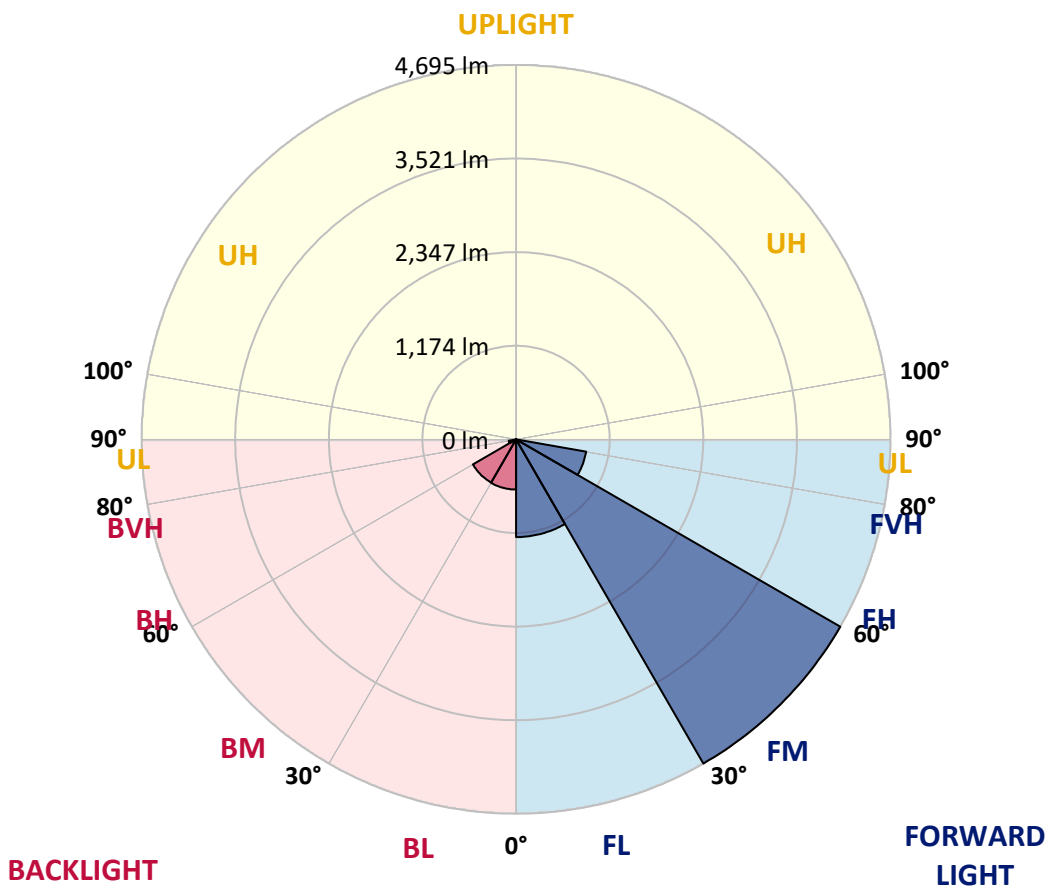
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1225.2	15.0			
FM (30°-60°)	4694.5	57.5			
FH (60°-80°)	891.5	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	629.0	7.7	B2/1000		
BM (30°-60°)	625.6	7.7	B1/1000		
BH (60°-80°)	93.2	1.1	B0/110		G0/110
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: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3579	3579	3579	3579	3579	3579	3579	3579	3579	3579	3579
2.5°	3529	3537	3551	3569	3581	3587	3587	3604	3593	3584	3574
5°	3378	3386	3405	3434	3463	3484	3508	3526	3533	3533	3516
7.5°	3165	3176	3188	3228	3291	3338	3379	3405	3443	3455	3431
10°	2936	2947	2974	3029	3101	3171	3241	3274	3339	3373	3346
12.5°	2742	2747	2783	2849	2941	3037	3122	3156	3248	3299	3267
15°	2582	2585	2621	2694	2800	2918	3025	3060	3173	3250	3202
17.5°	2461	2462	2493	2572	2683	2814	2941	2984	3130	3223	3151
20°	2400	2397	2419	2488	2593	2724	2874	2927	3106	3219	3112
22.5°	2401	2394	2403	2452	2541	2664	2832	2892	3108	3236	3079
25°	2458	2448	2450	2476	2539	2651	2838	2902	3148	3293	3067
27.5°	2554	2543	2543	2556	2590	2692	2913	2986	3255	3404	3092
30°	2678	2667	2663	2676	2704	2798	3080	3156	3438	3586	3172
32.5°	2820	2807	2814	2832	2859	2989	3295	3396	3667	3831	3316
35°	2970	2959	2991	3030	3072	3254	3592	3680	3948	4136	3536
37.5°	3113	3108	3175	3257	3344	3572	3894	3962	4189	4468	3805
40°	3256	3255	3370	3514	3653	3889	4123	4179	4336	4726	4063
42.5°	3416	3416	3575	3767	3952	4157	4291	4316	4402	4875	4257
45°	3569	3578	3762	3985	4204	4366	4407	4409	4429	4963	4418
47.5°	3690	3698	3918	4175	4411	4525	4531	4522	4500	5047	4542
50°	3788	3800	4030	4302	4553	4678	4724	4715	4659	5137	4629
52.5°	3836	3853	4069	4365	4711	4940	5068	5089	4897	5187	4712
55°	3452	3477	3676	4081	4799	5345	5546	5542	5155	5336	4914
57.5°	2607	2605	2770	3213	4099	5368	5840	5832	5396	5509	5121
60°	1775	1763	1807	2021	2866	4373	5315	5423	5225	5089	4348
62.5°	1461	1450	1436	1377	1646	2724	3672	3836	3810	3537	2727
65°	1196	1205	1244	1219	1145	1397	1906	2003	1831	1541	953
67.5°	882	886	937	1069	1029	930	897	913	535	246	159
70°	521	524	571	748	835	714	606	597	212	66	72
72.5°	295	289	298	356	455	379	312	284	64	37	37
75°	140	136	117	110	100	64	40	34	16	15	15
77.5°	1	3	2	3	3	2	1	1	3	3	4
80°	0	0	0	0	0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3579	3579	3579	3579	3579	3579	3579	3579	3579	3579	3579
2.5°	3556	3526	3519	3517	3489	3459	3428	3416	3398	3387	3396
5°	3489	3446	3408	3373	3311	3243	3184	3146	3110	3086	3092
7.5°	3394	3338	3251	3162	3048	2946	2832	2762	2697	2661	2678
10°	3293	3219	3080	2929	2750	2590	2427	2294	2217	2144	2152
12.5°	3194	3096	2888	2659	2433	2197	1951	1767	1641	1550	1536
15°	3102	2976	2701	2399	2091	1777	1463	1200	1054	964	958
17.5°	3020	2864	2507	2127	1741	1339	978	781	697	658	654
20°	2941	2751	2309	1851	1359	940	675	584	557	541	543
22.5°	2865	2628	2101	1545	1019	660	523	488	485	487	488
25°	2801	2515	1887	1250	727	503	437	427	436	449	451
27.5°	2768	2423	1678	953	526	409	379	383	399	413	415
30°	2777	2354	1462	691	405	345	335	343	359	372	374
32.5°	2841	2319	1241	503	333	301	297	303	317	327	328
35°	2968	2327	1031	385	286	268	267	271	278	285	286
37.5°	3155	2392	824	320	259	246	242	242	247	250	252
40°	3356	2490	660	283	240	226	218	215	219	223	224
42.5°	3522	2588	536	257	225	206	196	194	199	206	208
45°	3649	2664	447	236	208	187	176	176	185	197	199
47.5°	3765	2725	381	217	192	170	159	161	176	192	195
50°	3844	2774	332	200	179	156	146	150	168	187	190
52.5°	3929	2834	300	185	167	145	136	139	159	180	184
55°	4164	3035	299	165	146	130	126	127	147	171	176
57.5°	4356	3212	319	139	122	114	112	113	131	158	164
60°	3604	2496	264	115	102	100	97	99	116	140	145
62.5°	2133	1427	126	88	87	85	82	86	102	123	126
65°	729	423	80	72	74	71	68	72	86	98	99
67.5°	140	112	64	60	61	55	54	58	66	68	67
70°	73	65	49	49	47	39	39	43	43	40	39
72.5°	38	36	32	36	30	24	24	26	24	20	20
75°	15	15	14	18	13	11	10	12	9	7	7
77.5°	4	4	4	5	3	3	2	2	1	0	0
80°	0	1	0	1	0	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)