

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: P634805

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10449 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

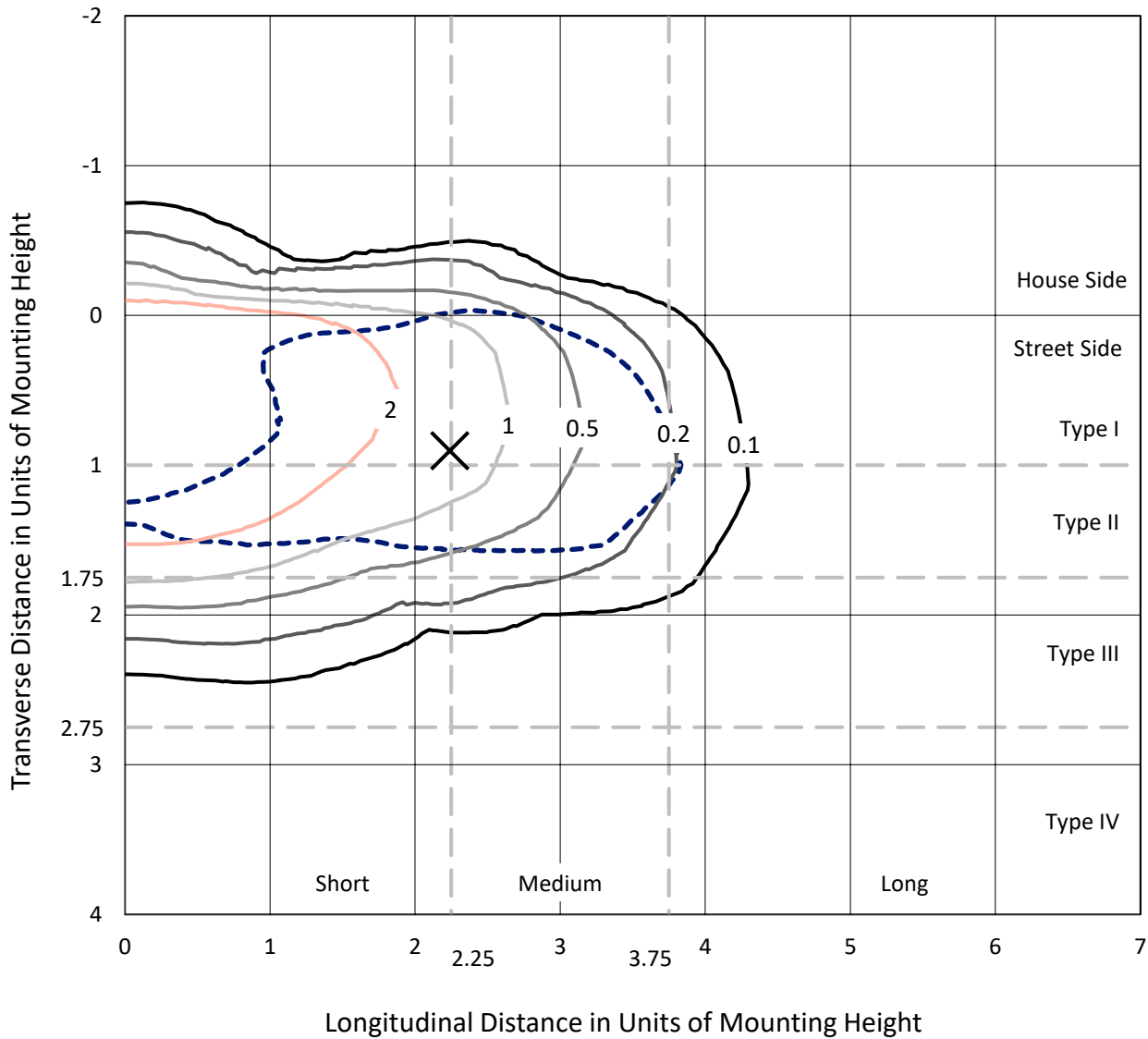
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

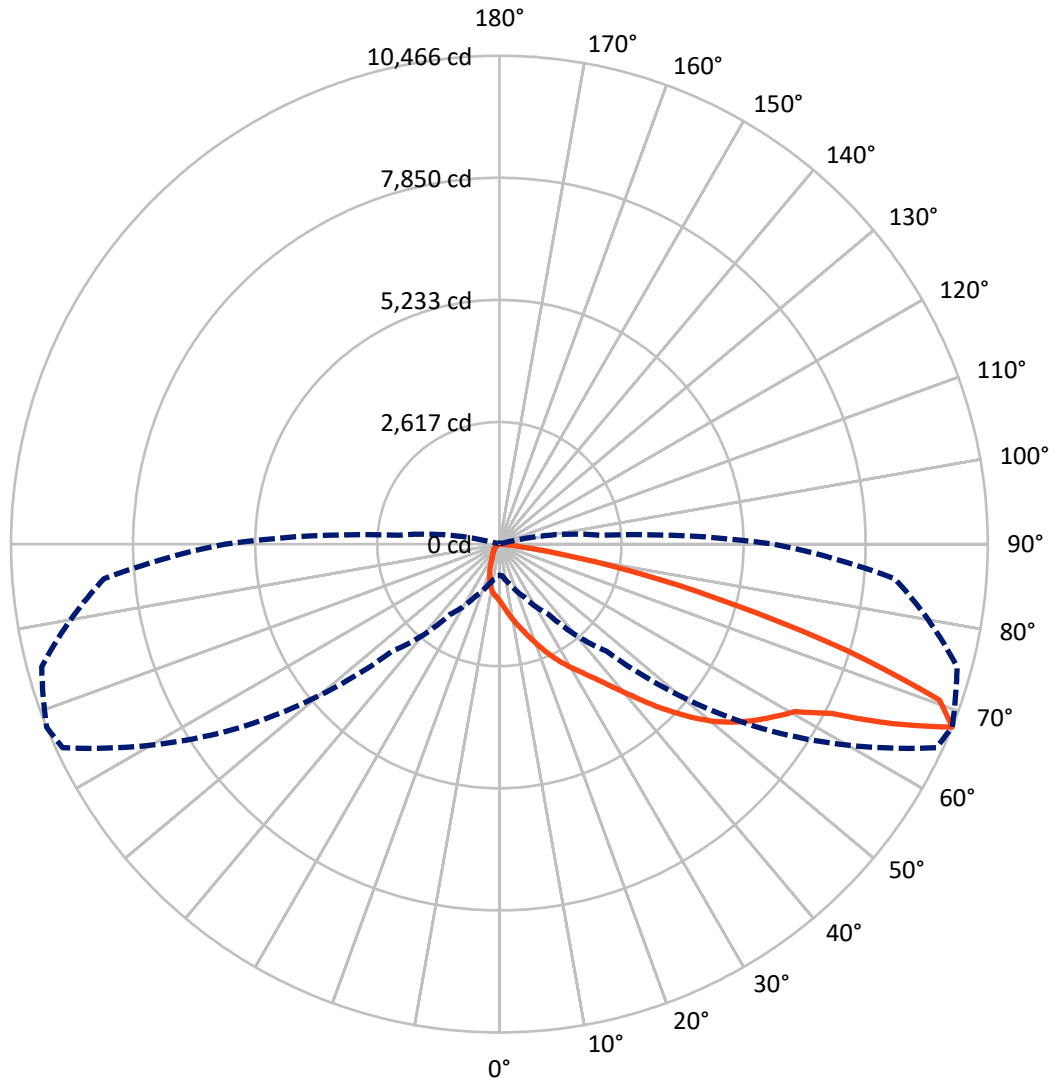
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.5	0.0	754.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	9694.5	0.0	9694.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	10449.0	0.0	10449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	1.1
10°-20°	340.6	3.3
20°-30°	585.3	5.6
30°-40°	1017.6	9.7
40°-50°	1775.6	17.0
50°-60°	2678.0	25.6
60°-70°	2685.4	25.7
70°-80°	1184.8	11.3
80°-90°	63.3	0.6
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°	10449.0	100.0
0°-180°	10449.0	100.0

Coefficient of Utilization

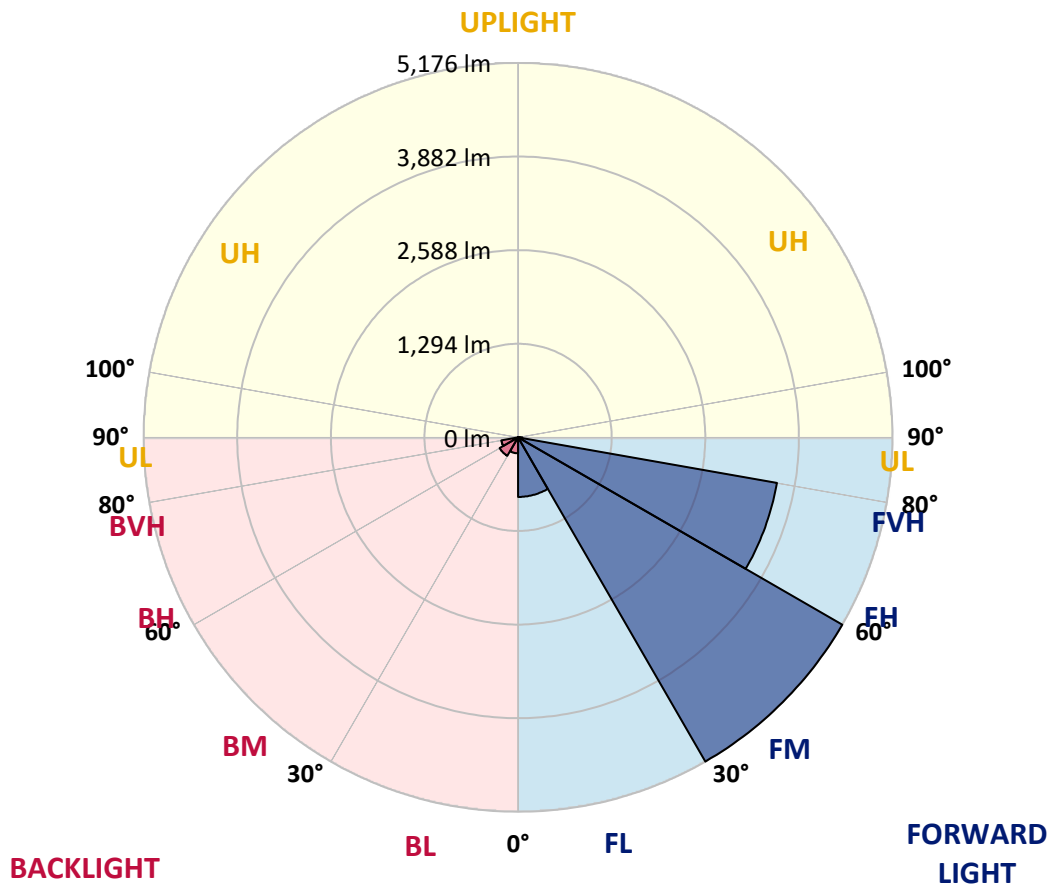


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	823.7	7.9			
FM (30°-60°)	5176.4	49.5			
FH (60°-80°)	3634.6	34.8			G2/5000
FVH (80°-90°)	59.7	0.6			G1/100
BL (0°-30°)	220.7	2.1	B1/500		
BM (30°-60°)	294.7	2.8	B1/1000		
BH (60°-80°)	235.5	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216
2.5°	1416	1425	1416	1418	1392	1380	1354	1318	1309	1286	1251
5°	1589	1597	1588	1586	1556	1534	1491	1429	1411	1366	1297
7.5°	1683	1688	1691	1696	1685	1667	1628	1551	1532	1459	1362
10°	1693	1697	1712	1742	1764	1775	1753	1682	1652	1581	1442
12.5°	1665	1671	1695	1745	1806	1862	1876	1814	1787	1696	1536
15°	1628	1633	1666	1734	1826	1929	1987	1960	1930	1835	1640
17.5°	1571	1578	1624	1716	1835	1982	2107	2116	2095	1992	1755
20°	1539	1544	1585	1680	1829	2021	2219	2304	2281	2173	1887
22.5°	1566	1570	1597	1671	1809	2043	2323	2492	2479	2367	2026
25°	1708	1721	1705	1718	1818	2055	2407	2680	2683	2570	2170
27.5°	1996	1979	1941	1876	1888	2087	2479	2857	2883	2768	2298
30°	2289	2279	2256	2155	2071	2158	2540	3038	3079	2963	2412
32.5°	2618	2628	2587	2466	2323	2302	2603	3210	3287	3184	2546
35°	3011	3014	2933	2799	2637	2540	2716	3400	3542	3466	2725
37.5°	3394	3412	3368	3157	3013	2836	2903	3644	3844	3814	2950
40°	3733	3761	3747	3543	3354	3205	3193	3930	4209	4243	3247
42.5°	4003	4021	4032	3887	3720	3636	3551	4262	4640	4779	3611
45°	4288	4294	4317	4219	4073	4080	3974	4665	5094	5373	4029
47.5°	4651	4671	4660	4557	4425	4504	4411	5080	5542	6007	4457
50°	5093	5114	5104	4984	4837	4870	4812	5483	5974	6605	4813
52.5°	5321	5338	5462	5516	5439	5229	5154	5926	6339	7097	5140
55°	5211	5223	5493	5721	6003	5793	5498	6268	6661	7481	5383
57.5°	4755	4820	5187	5573	6166	6350	6056	6640	6971	7748	5622
60°	3820	3817	4343	5036	5848	6503	6844	7143	7282	7953	5942
62.5°	2111	2130	2830	3743	4964	6107	7435	8012	7991	8311	6443
65°	1051	1089	1469	2144	3303	5047	7537	9338	9278	9154	7478
67.5°	667	682	892	1246	1836	3244	6902	10327	10466	10154	8505
70°	432	457	620	852	1108	1672	5056	9686	10005	10044	7865
72.5°	235	253	396	608	800	836	2840	7269	7782	8520	6153
75°	134	147	217	413	587	509	1259	4866	5193	6089	4409
77.5°	81	92	122	201	368	340	476	2962	3170	3633	2314
80°	37	44	77	111	201	161	182	1381	1426	1491	766
82.5°	17	20	35	66	114	93	70	319	449	425	195
85°	2	2	13	27	32	24	29	72	91	128	56
87.5°	0	0	1	1	2	3	6	9	13	21	14
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°	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216	1216
2.5°	1235	1207	1182	1145	1120	1092	1073	1050	1041	1034	1024
5°	1263	1218	1157	1089	1033	980	931	899	871	867	853
7.5°	1309	1242	1139	1028	933	845	776	720	692	683	667
10°	1370	1278	1112	942	805	700	622	559	515	499	487
12.5°	1438	1311	1069	836	680	560	461	394	366	356	347
15°	1516	1342	1001	730	558	412	342	313	301	298	295
17.5°	1591	1362	920	620	429	320	287	276	273	270	268
20°	1676	1376	825	516	333	271	255	247	241	235	234
22.5°	1763	1376	722	414	279	243	225	210	199	193	191
25°	1846	1357	620	331	246	216	193	176	161	154	152
27.5°	1905	1308	531	280	223	192	164	145	133	126	125
30°	1942	1235	449	250	203	167	139	123	114	109	107
32.5°	1970	1145	376	229	184	145	121	108	100	96	95
35°	2026	1060	322	210	164	127	106	96	90	85	84
37.5°	2104	989	279	193	145	113	96	87	82	77	76
40°	2219	944	247	176	128	102	88	80	73	68	67
42.5°	2396	923	226	159	113	92	81	71	64	59	58
45°	2607	934	208	142	103	85	72	62	55	50	49
47.5°	2833	973	193	126	93	78	64	53	47	42	41
50°	3069	1037	180	111	85	70	55	46	40	36	35
52.5°	3274	1124	167	100	78	62	48	40	34	30	29
55°	3470	1206	157	90	70	54	42	34	29	25	24
57.5°	3683	1293	145	81	63	48	37	29	25	21	20
60°	3993	1422	127	74	55	42	32	26	22	17	16
62.5°	4440	1657	107	64	47	36	27	22	18	14	12
65°	5276	2057	88	53	38	30	23	18	14	10	9
67.5°	5878	2161	71	43	31	23	19	14	10	7	6
70°	5139	1552	55	35	26	18	15	11	7	5	4
72.5°	3872	1014	41	27	20	15	11	9	6	4	3
75°	2729	586	30	20	14	11	9	7	5	3	3
77.5°	1399	242	21	14	10	7	6	4	4	3	2
80°	425	80	12	9	7	5	3	3	3	2	1
82.5°	97	26	7	7	5	4	3	1	1	0	0
85°	25	8	6	5	5	4	2	1	0	0	0
87.5°	9	5	5	5	4	3	2	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)