

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: P634817

Luminaire Tested: GWS-SA3C-740-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10920.1 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

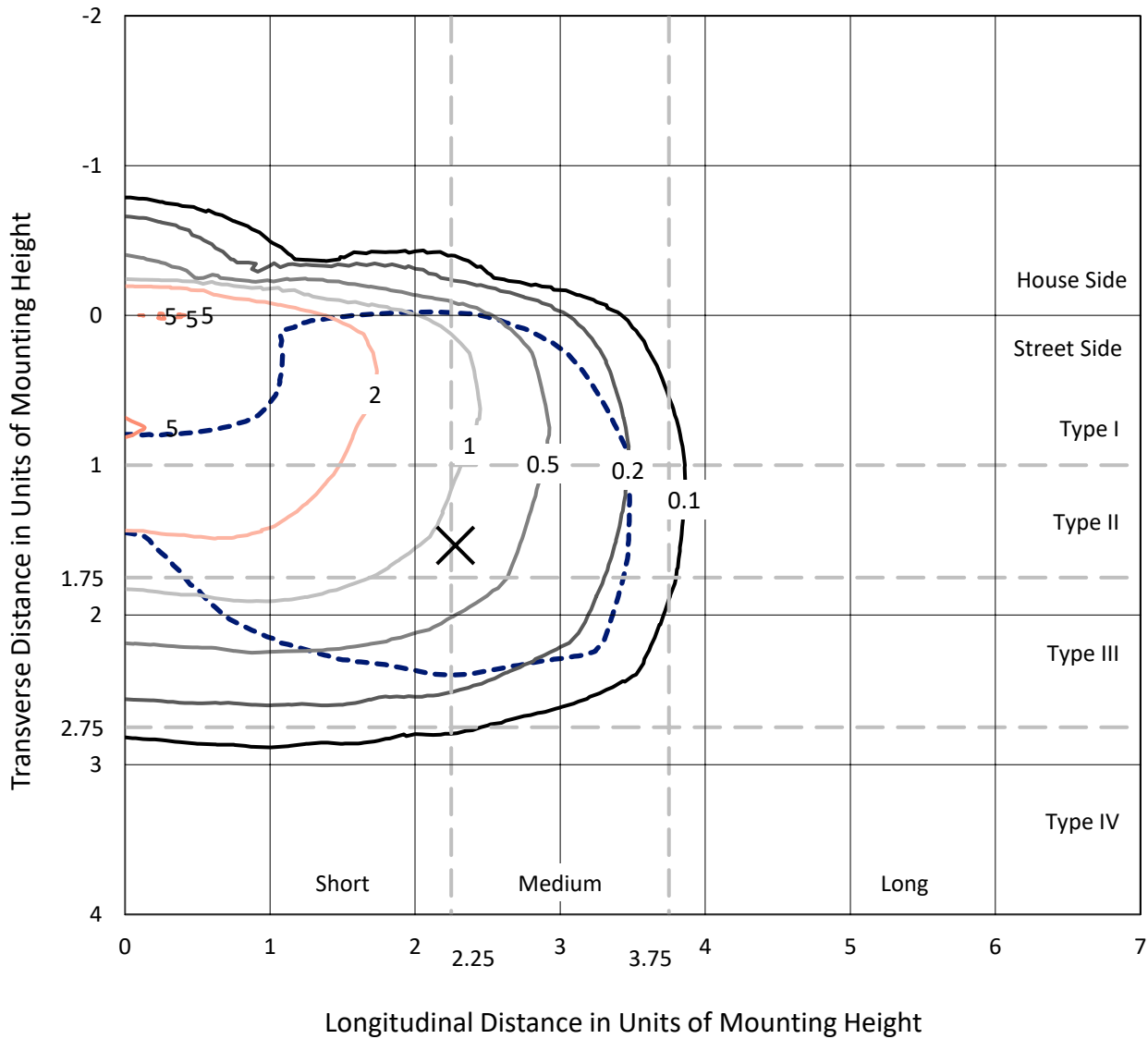
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

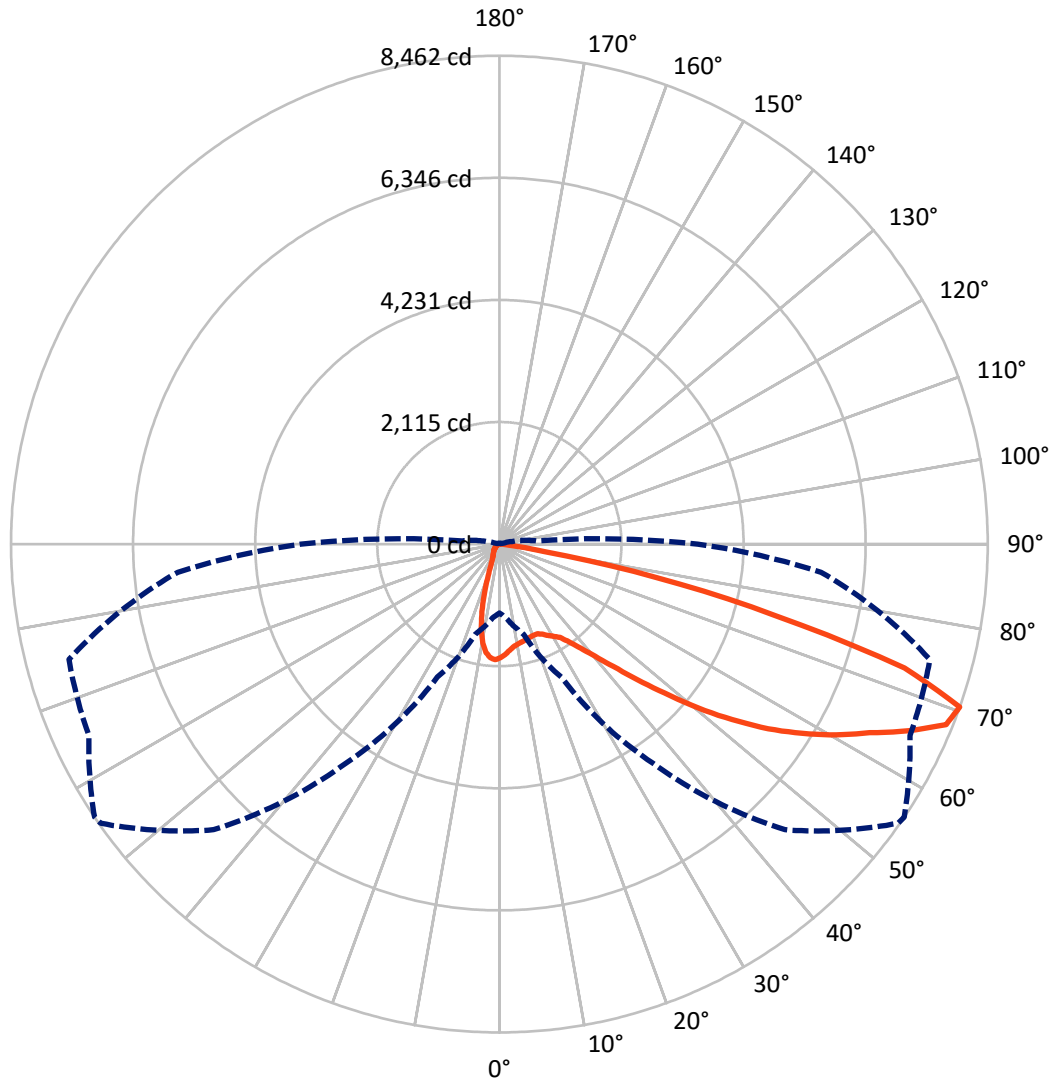
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.8	0.0	980.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	9939.2	0.0	9939.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	10920.1	0.0	10920.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	1.5
10°-20°	380.2	3.5
20°-30°	602.3	5.5
30°-40°	1038.6	9.5
40°-50°	1753.9	16.1
50°-60°	2577.0	23.6
60°-70°	3055.2	28.0
70°-80°	1302.9	11.9
80°-90°	40.9	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°	10920.1	100.0
0°-180°	10920.1	100.0

Coefficient of Utilization



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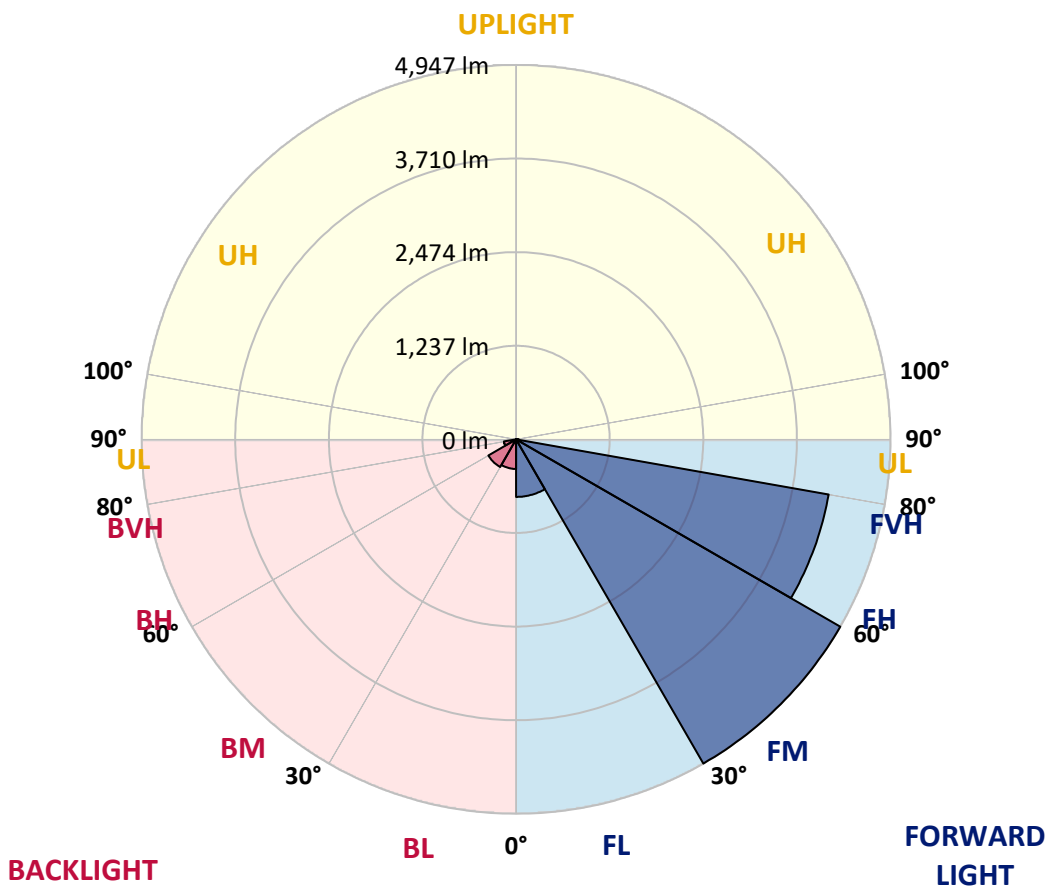
CATALOG NUMBER: GWS-SA3C-740-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.9	7.0			
FM (30°-60°)	4947.1	45.3			
FH (60°-80°)	4194.5	38.4			G2/5000
FVH (80°-90°)	36.8	0.3			G1/100
BL (0°-30°)	390.6	3.6	B1/500		
BM (30°-60°)	422.5	3.9	B1/1000		
BH (60°-80°)	163.6	1.5	B1/500		G1/500
BVH (80°-90°)	4.2	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
2.5°	1833	1830	1832	1847	1875	1888	1910	1914	1932	1955	1964
5°	1714	1704	1709	1730	1762	1798	1839	1850	1895	1946	1984
7.5°	1605	1594	1606	1639	1684	1723	1784	1791	1863	1953	2022
10°	1434	1437	1461	1519	1588	1669	1751	1761	1850	1976	2083
12.5°	1303	1296	1322	1388	1485	1603	1726	1739	1851	2011	2161
15°	1242	1240	1251	1299	1393	1532	1703	1720	1864	2043	2235
17.5°	1244	1241	1240	1268	1338	1479	1678	1700	1875	2078	2313
20°	1331	1317	1292	1279	1321	1445	1661	1686	1891	2115	2396
22.5°	1513	1518	1451	1381	1361	1449	1659	1688	1926	2173	2498
25°	1877	1869	1745	1588	1479	1495	1694	1729	1995	2256	2594
27.5°	2333	2340	2170	1920	1692	1590	1758	1793	2075	2308	2658
30°	2830	2823	2641	2364	1994	1748	1822	1853	2115	2336	2724
32.5°	3300	3284	3104	2814	2379	1997	1910	1928	2168	2397	2813
35°	3701	3700	3543	3234	2775	2309	2061	2076	2267	2494	2944
37.5°	4115	4101	3925	3643	3182	2651	2292	2286	2423	2637	3105
40°	4455	4446	4311	4040	3605	3029	2572	2554	2608	2835	3329
42.5°	4707	4708	4666	4501	4053	3466	2924	2896	2895	3134	3625
45°	4898	4911	4974	4949	4582	3975	3375	3346	3297	3522	3964
47.5°	4987	5004	5194	5294	5045	4480	3912	3851	3755	4038	4343
50°	4978	5008	5273	5577	5465	4992	4497	4468	4311	4584	4718
52.5°	4774	4838	5278	5749	5788	5464	5102	5048	4972	5154	5070
55°	4220	4298	5067	5804	6040	5876	5694	5650	5524	5692	5377
57.5°	3919	3986	4623	5777	6254	6257	6221	6185	6081	6224	5737
60°	3738	3805	4386	5678	6448	6659	6716	6712	6562	6829	6159
62.5°	3473	3565	4139	5421	6586	7055	7227	7200	7033	7459	6577
65°	2938	3018	3633	4997	6505	7383	7781	7795	7602	8052	6907
67.5°	2060	2119	2730	4107	5955	7491	8348	8347	8018	8356	6761
70°	1194	1275	1613	2539	4633	7000	8433	8462	7849	7721	5595
72.5°	462	529	914	1349	2416	5362	7254	7339	6569	5956	3894
75°	138	154	430	718	970	2590	4911	4935	4506	3715	1996
77.5°	103	114	188	363	340	785	2541	2775	2392	1327	550
80°	70	83	134	177	126	209	714	784	730	298	138
82.5°	31	40	95	89	46	60	220	234	151	90	48
85°	3	4	36	39	17	14	46	46	33	31	20
87.5°	0	0	1	2	2	3	4	5	6	8	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°	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969	1969
2.5°	1987	1975	1990	2002	2005	1983	1970	1951	1947	1948	1943
5°	2014	2008	2019	2006	1972	1908	1853	1792	1759	1740	1738
7.5°	2064	2061	2049	1990	1884	1742	1605	1471	1388	1358	1353
10°	2138	2132	2083	1943	1717	1444	1214	1022	905	871	829
12.5°	2223	2211	2104	1842	1465	1087	800	585	484	454	454
15°	2305	2279	2092	1675	1155	707	447	338	307	299	299
17.5°	2389	2339	2045	1447	798	418	298	277	273	274	275
20°	2468	2390	1962	1173	509	292	267	262	260	262	261
22.5°	2554	2437	1836	874	331	263	254	250	248	251	251
25°	2639	2471	1669	588	263	245	240	236	234	235	235
27.5°	2683	2458	1450	375	236	227	222	217	214	213	214
30°	2713	2418	1182	267	214	203	198	194	186	181	183
32.5°	2760	2378	891	224	196	179	171	161	150	145	145
35°	2816	2323	625	202	177	159	144	127	114	110	110
37.5°	2890	2271	416	187	161	142	121	101	87	85	84
40°	3001	2227	293	176	147	124	99	78	68	65	65
42.5°	3145	2182	232	165	135	107	79	62	54	52	51
45°	3323	2129	202	155	123	89	63	52	46	44	44
47.5°	3516	2057	188	142	109	72	53	45	42	41	40
50°	3706	1960	176	130	93	59	46	41	39	38	38
52.5°	3872	1847	161	116	76	51	41	38	36	34	33
55°	4014	1724	142	100	62	45	38	35	33	31	30
57.5°	4197	1654	114	81	51	40	35	32	30	27	27
60°	4400	1603	85	64	44	37	32	29	27	24	24
62.5°	4563	1527	67	52	38	33	29	26	24	21	21
65°	4625	1370	55	41	31	29	26	24	21	18	18
67.5°	4345	1056	46	33	26	25	23	22	18	16	15
70°	3441	644	38	27	22	21	21	19	16	15	14
72.5°	2358	332	31	22	19	19	18	17	15	14	14
75°	1225	111	24	17	15	16	16	15	14	14	13
77.5°	351	50	18	13	12	12	13	13	13	12	12
80°	91	29	13	10	10	10	10	11	12	11	11
82.5°	37	16	9	8	8	8	8	9	10	10	10
85°	23	8	7	7	7	6	6	7	7	8	8
87.5°	14	6	6	6	6	5	5	5	5	5	5
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)