

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: P634822

Luminaire Tested: GWS-SA3C-740-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

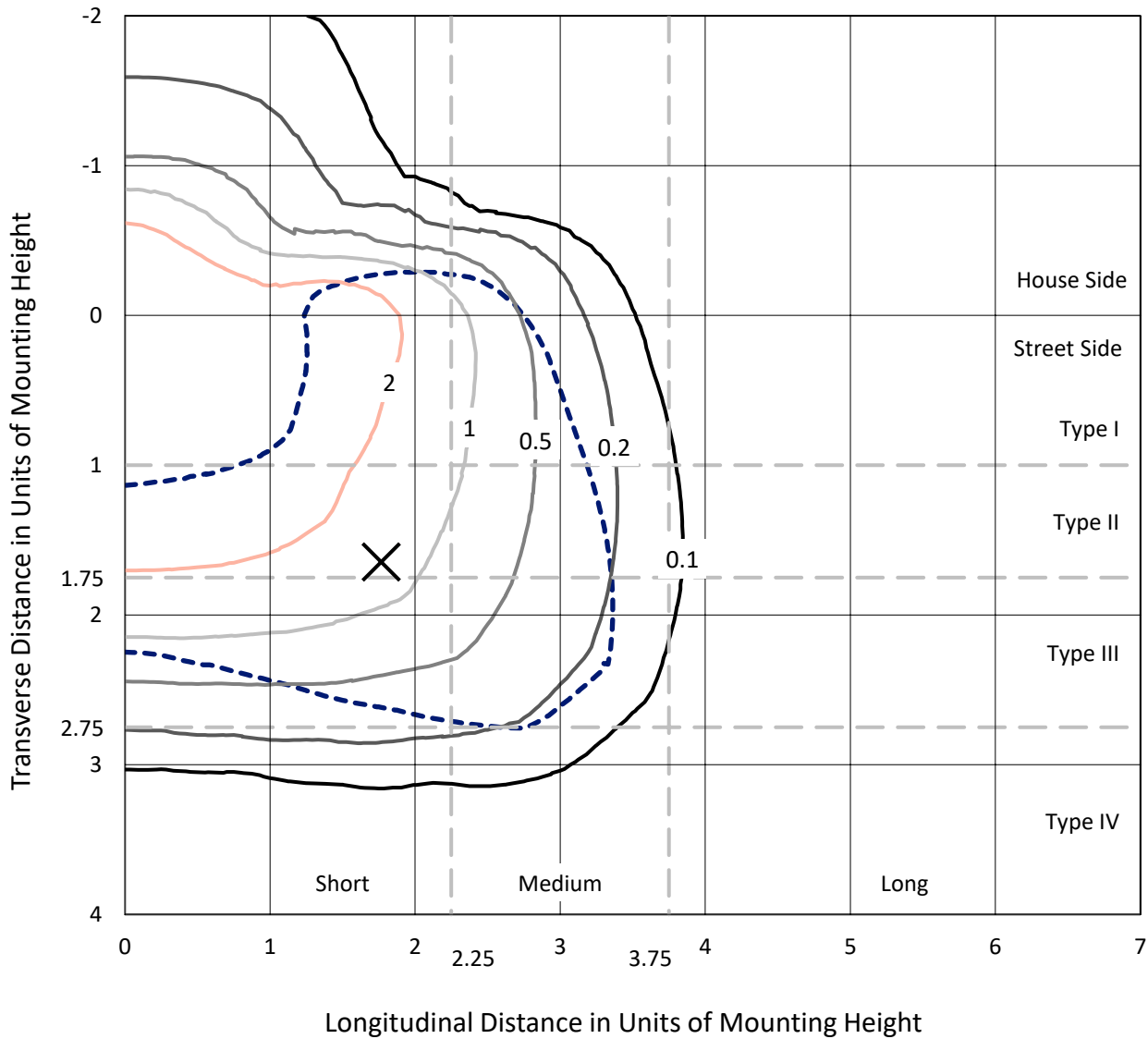
Lumens per Lamp: N/A  
Luminaire Lumens: 13830.1 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

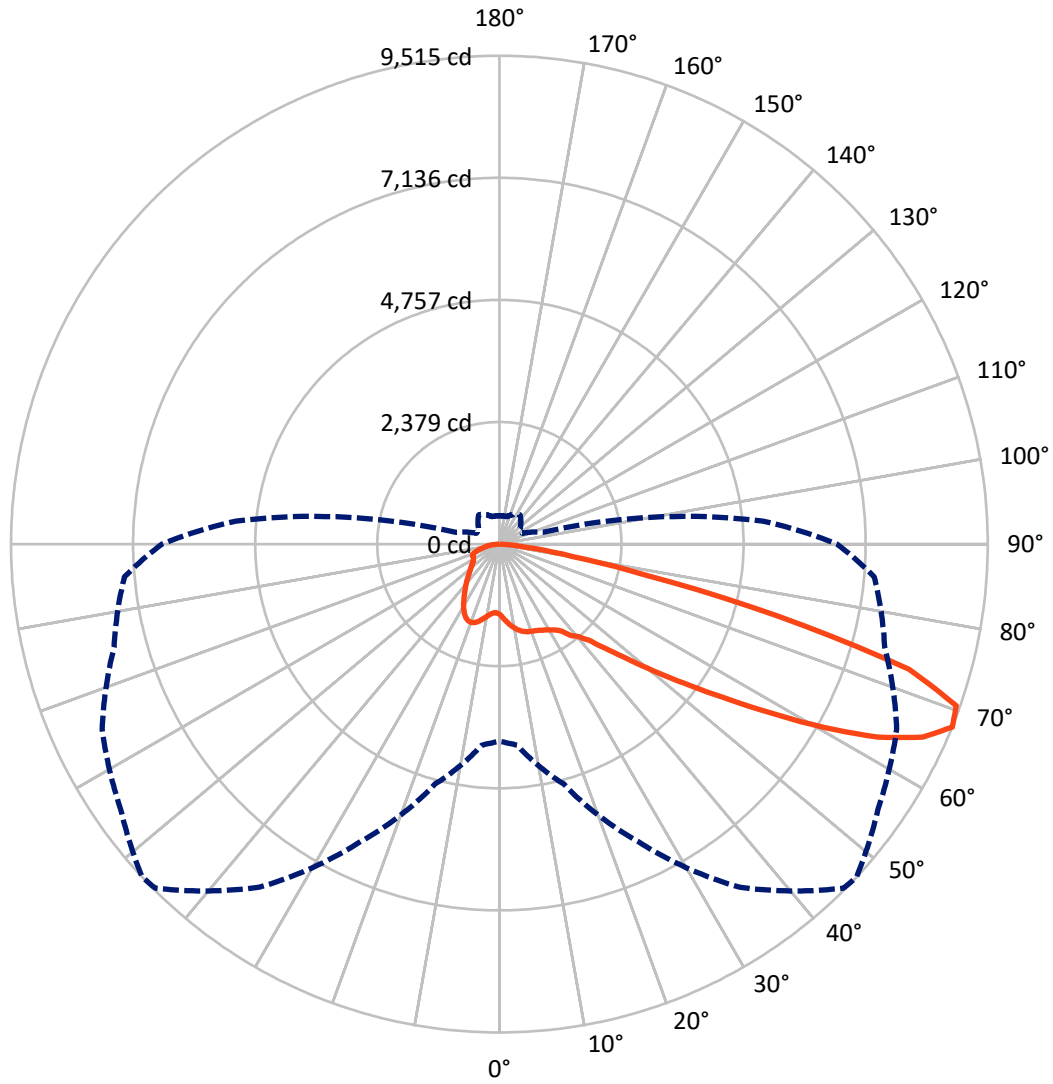
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3152.0	0.0	3152.0
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	10678.1	0.0	10678.1
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	13830.1	0.0	13830.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.1	1.0
10°-20°	466.8	3.4
20°-30°	793.5	5.7
30°-40°	1162.4	8.4
40°-50°	1771.0	12.8
50°-60°	3168.7	22.9
60°-70°	4228.2	30.6
70°-80°	1912.1	13.8
80°-90°	187.3	1.4
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°	13830.1	100.0
0°-180°	13830.1	100.0

**Coefficient of Utilization**



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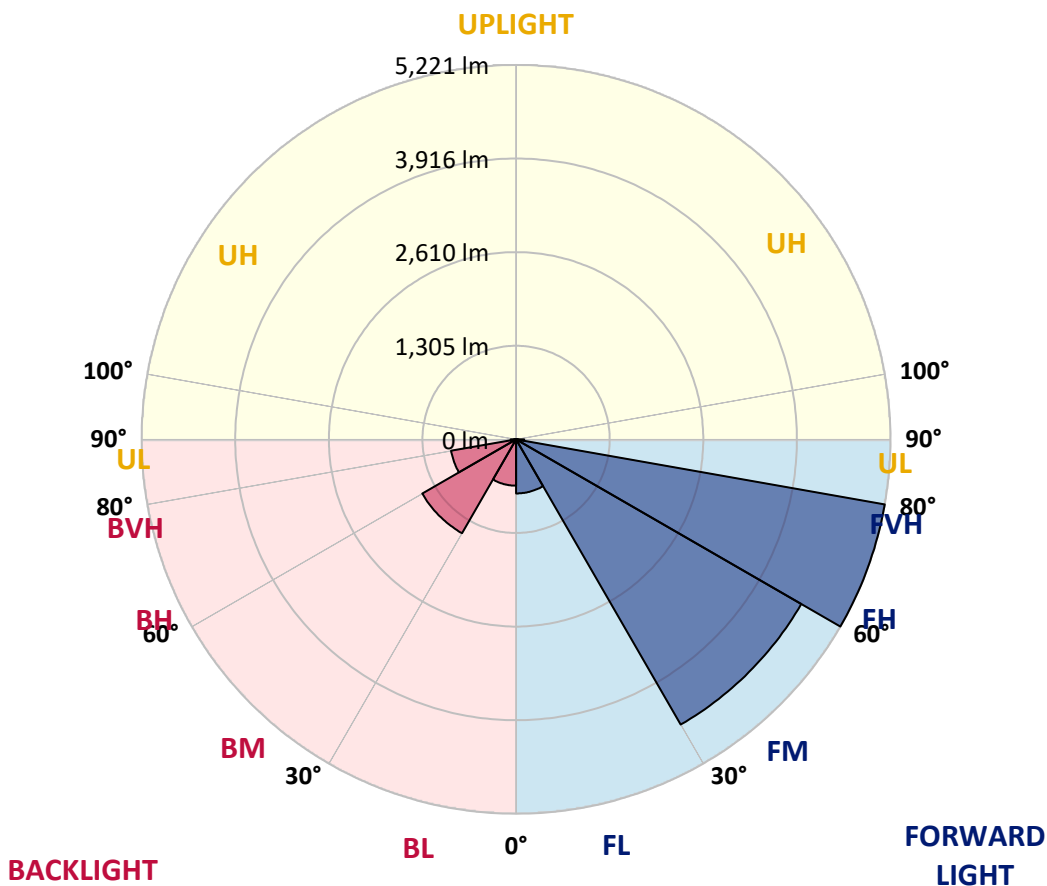
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.2	5.5			
FM (30°-60°)	4591.7	33.2			
FH (60°-80°)	5220.7	37.7			G3/7500
FVH (80°-90°)	111.4	0.8			G2/225
BL (0°-30°)	646.2	4.7	B2/1000		
BM (30°-60°)	1510.3	10.9	B2/2500		
BH (60°-80°)	919.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	75.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1371	1371	1371	1371	1371	1371	1371	1371	1371	1371	1371
2.5°	1462	1467	1466	1458	1453	1444	1445	1431	1410	1396	1380
5°	1591	1599	1589	1576	1556	1527	1524	1492	1452	1424	1395
7.5°	1703	1708	1696	1674	1645	1606	1599	1561	1511	1467	1425
10°	1790	1796	1780	1751	1713	1674	1669	1630	1577	1525	1472
12.5°	1864	1866	1849	1810	1769	1729	1724	1688	1639	1586	1528
15°	1907	1908	1887	1844	1805	1770	1767	1736	1691	1641	1579
17.5°	1904	1906	1891	1853	1819	1798	1795	1775	1740	1695	1633
20°	1867	1869	1859	1834	1816	1810	1811	1805	1784	1747	1684
22.5°	1838	1841	1832	1814	1812	1826	1829	1832	1822	1789	1728
25°	1852	1857	1843	1818	1822	1853	1859	1869	1861	1833	1780
27.5°	1949	1952	1916	1865	1853	1886	1895	1911	1905	1879	1838
30°	2174	2172	2095	1970	1920	1933	1940	1963	1965	1948	1909
32.5°	2491	2481	2362	2163	2018	1986	1994	2025	2048	2030	1977
35°	2826	2817	2686	2453	2199	2088	2079	2103	2138	2088	2012
37.5°	3145	3131	2997	2709	2422	2267	2254	2230	2209	2113	2055
40°	3499	3483	3366	3040	2668	2404	2371	2276	2257	2196	2167
42.5°	3877	3877	3780	3459	2965	2600	2557	2414	2434	2394	2360
45°	4255	4266	4189	3881	3362	2970	2901	2698	2746	2728	2711
47.5°	4577	4598	4583	4312	3848	3420	3315	3104	3207	3250	3298
50°	4924	4947	4932	4825	4417	3965	3871	3653	3830	3959	4116
52.5°	5439	5472	5347	5306	5108	4584	4500	4252	4573	4787	5137
55°	5874	5873	5829	5923	5850	5341	5248	5023	5433	5660	6172
57.5°	6076	6100	6251	6517	6663	6266	6177	5947	6356	6474	7027
60°	6180	6210	6502	7028	7421	7276	7241	6948	7178	7164	7748
62.5°	6034	6094	6563	7262	7962	8291	8280	7837	7877	7740	8195
65°	5364	5429	6165	7145	8271	9063	9066	8642	8414	8020	8120
67.5°	3836	3929	4839	6393	8162	9480	9515	9007	8540	7772	7332
70°	2091	2159	2872	4647	7180	9380	9445	8831	7984	6723	5644
72.5°	950	972	1336	2550	4905	8074	8346	7881	6557	4966	3589
75°	435	445	582	1220	2563	5403	5594	5870	4563	3136	1871
77.5°	273	276	331	558	1278	2697	2898	3495	2672	1552	782
80°	161	164	206	302	600	1234	1425	1382	1256	670	356
82.5°	81	84	119	172	327	491	578	581	468	363	201
85°	29	30	39	68	139	162	181	221	229	211	97
87.5°	0	0	1	2	4	16	17	32	67	75	39
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°	1371	1371	1371	1371	1371	1371	1371	1371	1371	1371	1371
2.5°	1375	1360	1355	1350	1342	1339	1333	1327	1327	1321	1318
5°	1382	1362	1349	1343	1338	1341	1341	1343	1350	1346	1348
7.5°	1407	1384	1366	1361	1361	1373	1381	1391	1404	1406	1406
10°	1451	1424	1405	1402	1407	1424	1436	1448	1464	1465	1467
12.5°	1499	1472	1453	1457	1462	1484	1497	1507	1523	1523	1522
15°	1549	1519	1503	1511	1526	1551	1553	1554	1562	1560	1559
17.5°	1601	1569	1557	1569	1585	1597	1587	1573	1570	1566	1564
20°	1652	1619	1614	1623	1628	1618	1587	1561	1549	1543	1541
22.5°	1696	1668	1665	1665	1640	1605	1559	1524	1508	1500	1498
25°	1748	1722	1717	1690	1626	1562	1500	1468	1455	1451	1452
27.5°	1809	1791	1775	1698	1586	1486	1416	1402	1397	1402	1405
30°	1884	1866	1830	1688	1522	1387	1320	1319	1334	1347	1349
32.5°	1945	1937	1878	1656	1432	1278	1221	1225	1252	1270	1273
35°	1993	2006	1918	1603	1325	1175	1130	1132	1147	1172	1173
37.5°	2061	2105	1954	1522	1202	1086	1045	1030	1028	1035	1037
40°	2198	2264	1980	1404	1083	1006	960	931	906	887	881
42.5°	2405	2481	1995	1261	977	927	875	838	794	754	740
45°	2785	2810	1995	1109	883	853	801	757	701	654	644
47.5°	3393	3313	1997	962	800	788	743	693	631	592	586
50°	4309	4028	2038	840	731	733	700	645	589	560	555
52.5°	5347	4909	2148	750	673	688	670	617	567	542	537
55°	6323	5719	2242	686	624	650	649	600	555	530	527
57.5°	7153	6274	2228	634	582	615	630	589	547	526	523
60°	7669	6568	2029	586	550	590	619	586	551	546	547
62.5°	7893	6514	1647	550	529	578	631	607	588	600	607
65°	7545	6050	1212	523	509	581	659	640	588	596	599
67.5°	6579	5150	876	496	484	590	699	635	554	554	548
70°	4741	3704	636	469	459	577	701	601	515	512	497
72.5°	2853	2185	496	439	421	512	657	561	477	452	434
75°	1482	1095	416	406	361	434	601	499	408	386	376
77.5°	635	512	357	362	300	365	485	432	362	334	325
80°	313	291	282	290	240	282	418	378	307	275	262
82.5°	179	170	203	206	171	236	353	320	254	219	198
85°	83	89	123	124	106	162	231	180	135	112	107
87.5°	33	39	54	53	31	30	20	11	9	8	7
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)