

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: P634811

Luminaire Tested: GWS-SA3C-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-740-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

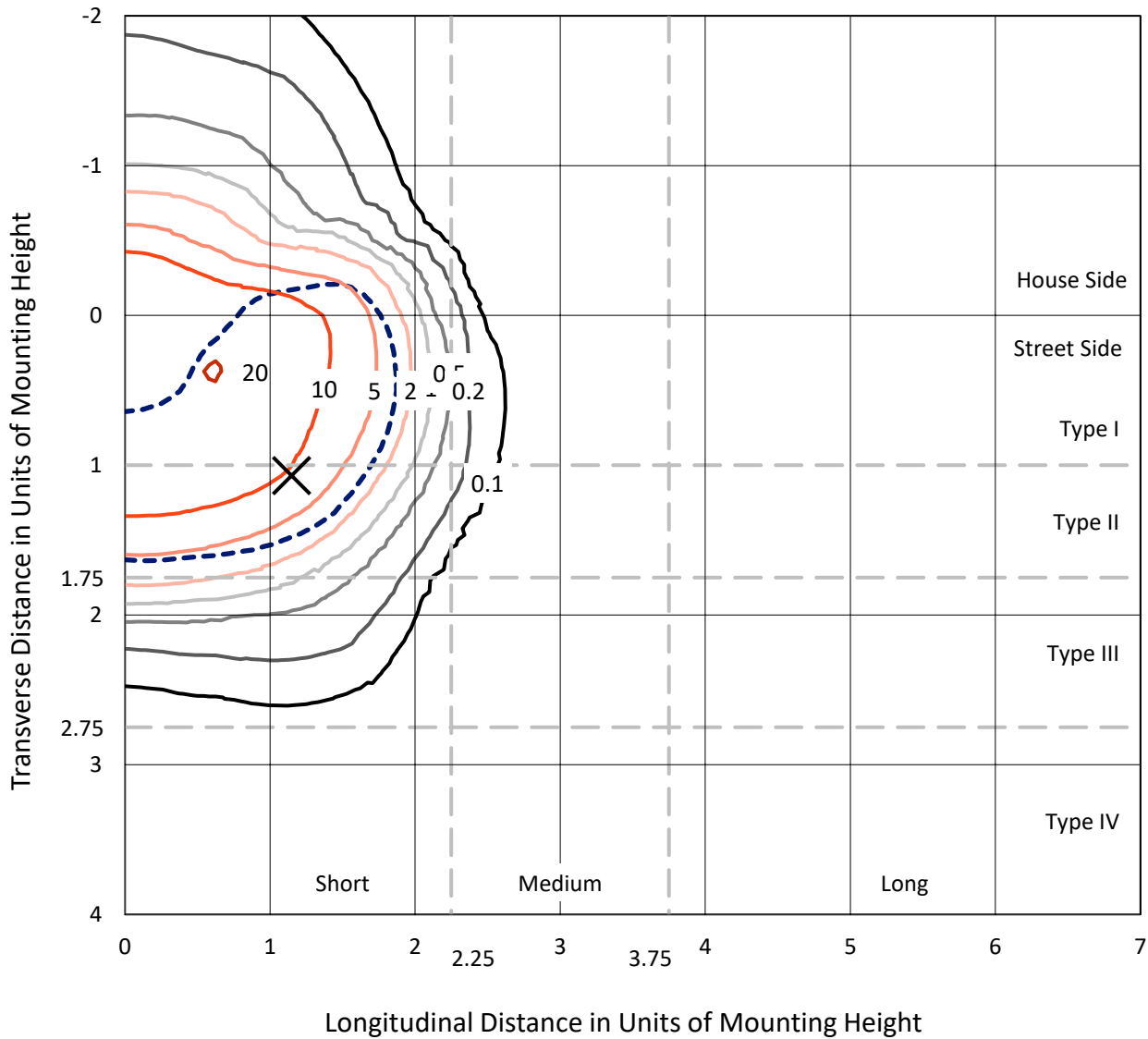
Lumens per Lamp: N/A  
Luminaire Lumens: 8614 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

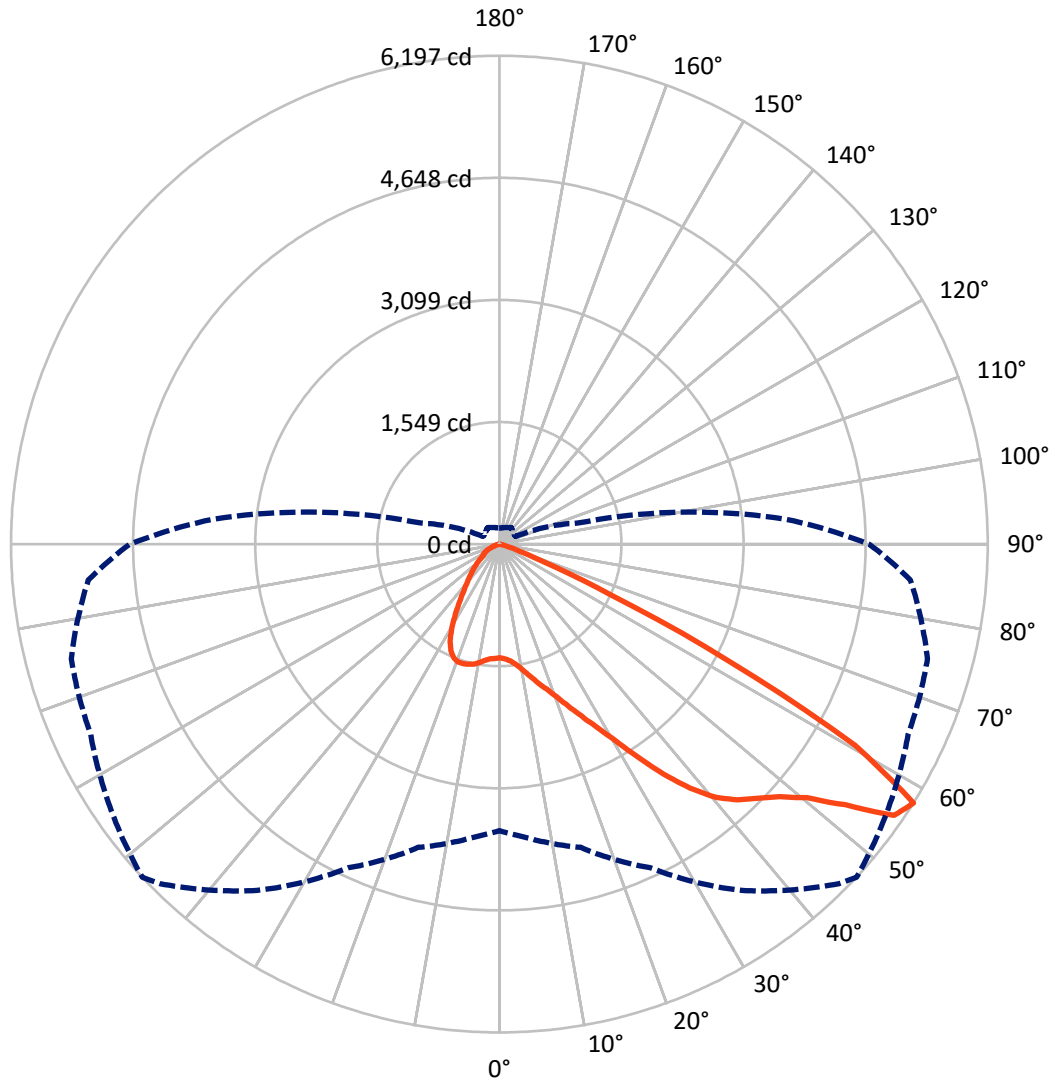
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1868.8	0.0	1868.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6745.2	0.0	6745.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8614.0	0.0	8614.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.5	1.7
10°-20°	484.1	5.6
20°-30°	898.8	10.4
30°-40°	1438.8	16.7
40°-50°	2103.2	24.4
50°-60°	2595.8	30.1
60°-70°	867.4	10.1
70°-80°	80.8	0.9
80°-90°	1.7	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°	8614.0	100.0
0°-180°	8614.0	100.0

**Coefficient of Utilization**



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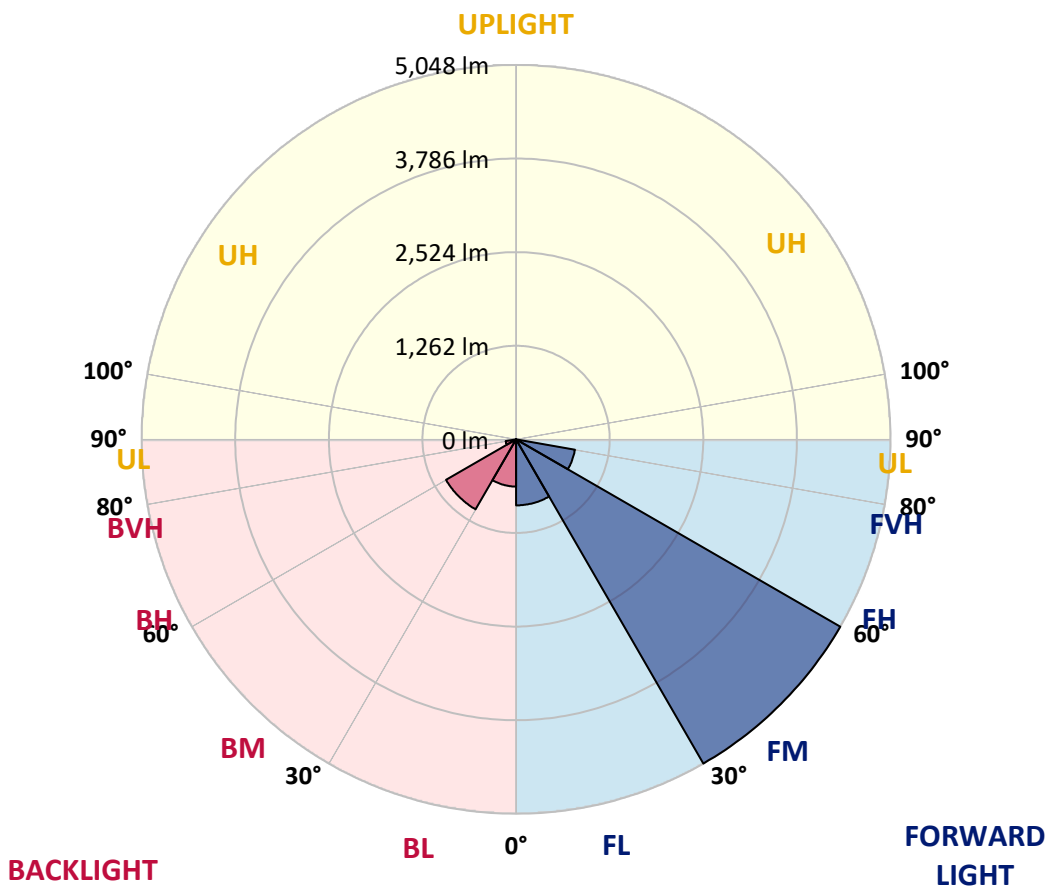
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	890.2	10.3			
FM (30°-60°)	5047.8	58.6			
FH (60°-80°)	806.1	9.4			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	636.1	7.4	B2/1000		
BM (30°-60°)	1090.1	12.7	B2/2500		
BH (60°-80°)	142.1	1.6	B1/500		G1/500
BVH (80°-90°)	0.5	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°	47°	55°	65°	75°	85°
0°	1442	1442	1442	1442	1442	1442	1442	1442	1442	1442	1442
2.5°	1457	1456	1455	1461	1459	1458	1460	1460	1460	1454	1442
5°	1492	1492	1491	1497	1492	1489	1490	1490	1486	1475	1460
7.5°	1547	1545	1543	1549	1544	1543	1545	1539	1532	1514	1493
10°	1626	1626	1623	1629	1625	1623	1623	1619	1606	1578	1547
12.5°	1735	1730	1723	1718	1716	1715	1716	1710	1696	1660	1617
15°	1854	1850	1839	1831	1820	1818	1824	1819	1805	1756	1695
17.5°	2004	2009	1981	1964	1932	1930	1932	1940	1930	1867	1778
20°	2132	2136	2115	2103	2074	2061	2065	2078	2067	1993	1869
22.5°	2269	2274	2252	2227	2214	2214	2229	2247	2232	2135	1973
25°	2433	2437	2419	2386	2363	2392	2414	2462	2437	2305	2096
27.5°	2621	2622	2596	2562	2550	2604	2626	2700	2690	2496	2226
30°	2822	2823	2817	2794	2783	2854	2884	2991	2984	2733	2403
32.5°	3031	3031	3042	3040	3053	3169	3217	3339	3332	3023	2623
35°	3241	3242	3261	3309	3363	3517	3580	3728	3712	3370	2904
37.5°	3480	3470	3496	3568	3688	3866	3926	4067	4049	3725	3271
40°	3768	3750	3750	3834	3970	4175	4226	4296	4235	4012	3631
42.5°	4086	4069	4047	4121	4235	4395	4437	4418	4368	4283	4041
45°	4408	4382	4397	4442	4508	4584	4600	4512	4489	4513	4380
47.5°	4653	4635	4672	4735	4789	4800	4789	4667	4665	4750	4615
50°	4735	4737	4839	4977	5064	5073	5058	4918	4899	4924	4742
52.5°	4743	4751	4900	5163	5400	5508	5496	5345	5159	5132	4934
55°	4550	4597	4805	5189	5693	6038	6078	5789	5513	5490	5347
57.5°	3637	3733	3984	4531	5366	6093	6197	5989	5722	5624	5236
60°	2174	2293	2534	3205	4084	5008	5187	5216	5093	4810	4017
62.5°	933	923	1220	1734	2429	3183	3264	3390	3497	3201	2438
65°	320	348	484	782	1216	1478	1550	1663	1815	1498	893
67.5°	198	210	279	462	656	646	614	596	580	397	245
70°	144	154	196	318	441	310	269	218	242	223	174
72.5°	97	105	135	193	226	151	140	159	192	183	142
75°	58	63	77	94	92	78	79	112	147	137	101
77.5°	40	42	51	61	45	24	22	31	50	50	34
80°	10	13	13	8	7	6	6	9	14	10	5
82.5°	1	1	1	1	1	1	1	2	2	2	2
85°	0	0	1	1	1	1	1	1	2	2	2
87.5°	0	0	1	1	1	1	1	1	1	2	2
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°	1442	1442	1442	1442	1442	1442	1442	1442	1442	1442	1442
2.5°	1449	1437	1445	1443	1449	1451	1442	1440	1441	1429	1425
5°	1463	1449	1453	1449	1456	1462	1459	1463	1468	1459	1455
7.5°	1493	1479	1478	1472	1482	1486	1485	1496	1506	1500	1494
10°	1545	1526	1524	1519	1522	1525	1514	1516	1525	1518	1515
12.5°	1609	1586	1581	1569	1569	1554	1530	1525	1532	1527	1522
15°	1678	1647	1639	1618	1598	1570	1545	1539	1544	1538	1534
17.5°	1755	1720	1694	1657	1613	1580	1552	1539	1531	1519	1518
20°	1831	1785	1741	1682	1624	1574	1528	1494	1465	1447	1440
22.5°	1919	1851	1780	1697	1614	1538	1457	1399	1349	1332	1324
25°	2013	1925	1819	1711	1580	1458	1348	1262	1196	1174	1165
27.5°	2117	1996	1859	1708	1510	1344	1198	1091	1026	1006	1013
30°	2249	2088	1909	1677	1405	1184	1013	923	874	855	856
32.5°	2425	2220	1982	1611	1270	1002	852	786	753	728	726
35°	2677	2421	2050	1505	1106	840	731	679	633	604	609
37.5°	2979	2674	2087	1362	922	714	640	587	535	492	497
40°	3337	3005	2084	1174	754	628	564	502	437	398	402
42.5°	3736	3318	2019	975	625	558	491	413	350	326	327
45°	4082	3572	1905	769	526	490	415	335	307	290	289
47.5°	4338	3758	1742	605	446	428	341	300	278	264	262
50°	4481	3823	1562	474	377	363	305	272	257	248	246
52.5°	4673	3901	1433	374	316	297	281	253	243	236	233
55°	4977	4052	1321	297	263	259	265	242	236	225	221
57.5°	4691	3640	1026	230	222	237	256	231	216	206	202
60°	3301	2420	516	185	198	222	241	209	194	196	194
62.5°	1820	1211	232	155	172	196	206	181	171	188	191
65°	595	412	134	120	136	160	178	172	170	190	196
67.5°	183	136	91	86	94	118	150	186	200	206	209
70°	137	107	78	73	77	90	127	155	146	147	145
72.5°	110	85	67	64	64	62	67	84	95	100	100
75°	77	60	51	47	37	30	27	27	24	23	22
77.5°	26	22	20	16	11	9	8	7	5	3	2
80°	4	3	2	2	2	1	1	1	0	0	0
82.5°	2	2	2	2	2	1	1	0	0	0	0
85°	2	2	2	2	2	1	1	0	0	0	0
87.5°	2	2	2	2	1	1	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)