

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P234658

Luminaire Tested: **CTA-F-7525-50L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-3D)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-50L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
5000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

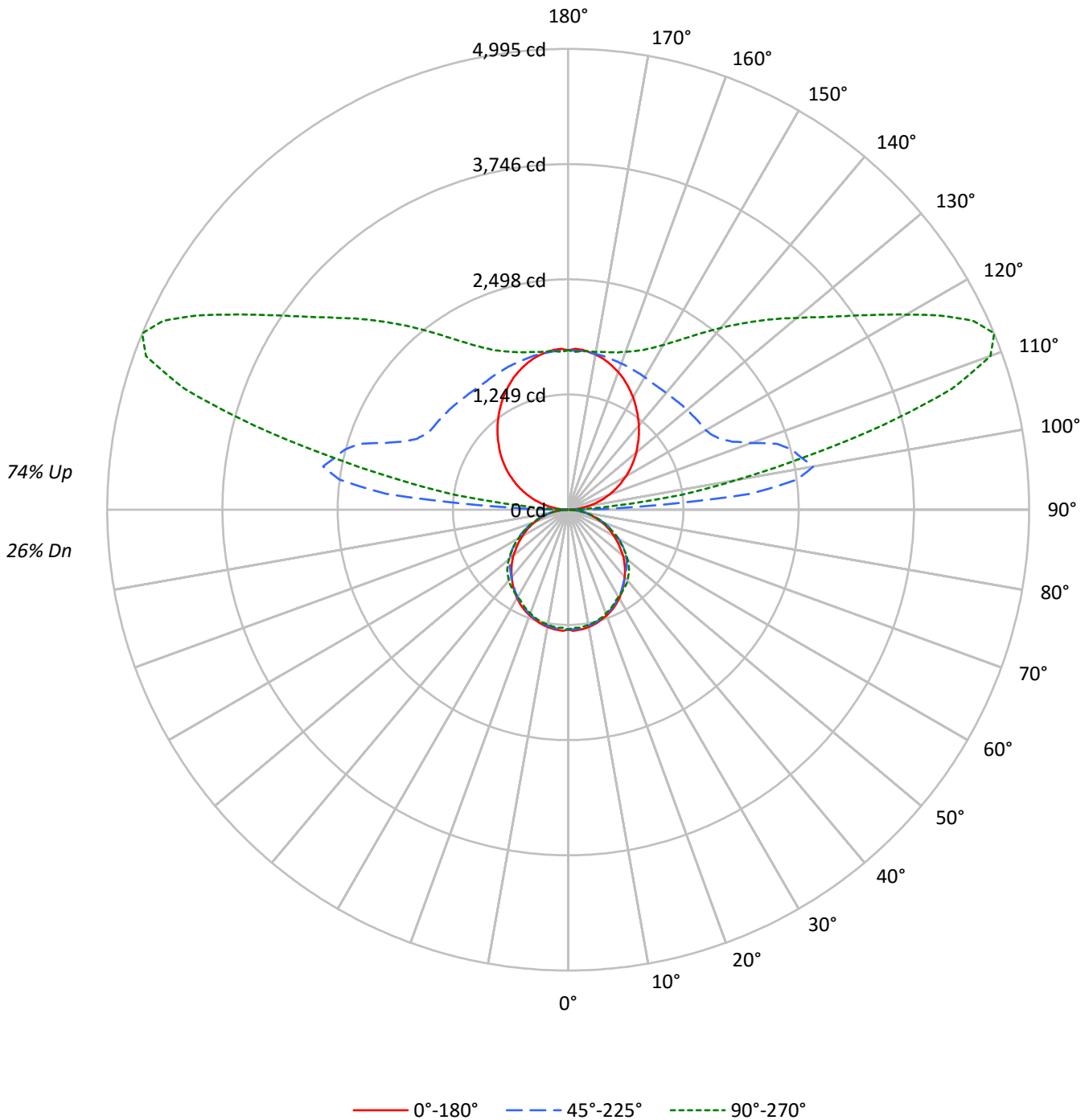
Lumens per Lamp: N/A
Luminaire Lumens: 15181.7 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 104.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	78	75	72	61	59	57	44	43	42	29	29	28	21
2	84	76	70	65	74	68	63	59	53	50	47	39	37	35	26	24	23	17
3	76	67	60	54	68	60	54	49	46	42	39	34	31	29	23	21	20	15
4	70	59	51	46	62	53	46	41	41	37	33	30	27	25	20	18	17	12
5	64	52	45	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	7
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2796	2796	2796
5°	2826	2800	2775
10°	2820	2787	2767
15°	2808	2781	2761
20°	2790	2763	2742
25°	2779	2743	2722
30°	2752	2722	2714
35°	2712	2696	2751
40°	2672	2689	2816
45°	2639	2712	2840
50°	2602	2763	2813
55°	2522	2758	2736
60°	2480	2712	2674
65°	2430	2644	2613
70°	2379	2568	2530
75°	2320	2495	2445
80°	2306	2417	2343
85°	2149	2371	2223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	0.8
10°-20°	351.9	2.3
20°-30°	531.7	3.5
30°-40°	646.2	4.3
40°-50°	689.6	4.5
50°-60°	636.1	4.2
60°-70°	502.0	3.3
70°-80°	313.3	2.1
80°-90°	105.8	0.7
90°-100°	907.4	6.0
100°-110°	2325.0	15.3
110°-120°	2324.0	15.3
120°-130°	1798.1	11.8
130°-140°	1419.2	9.3
140°-150°	1082.0	7.1
150°-160°	779.9	5.1
160°-170°	482.2	3.2
170°-180°	164.3	1.1
0°-30°	1006.6	6.6
0°-40°	1652.8	10.9
0°-60°	2978.5	19.6
0°-90°	3899.6	25.7
90°-120°	5556.4	36.6
90°-150°	9855.6	64.9
90°-180°	11282.0	74.3
0°-180°	15181.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1308	1296	1296	1290	1284	124
15°	1260	1245	1248	1245	1239	355
25°	1170	1155	1155	1149	1146	539
35°	1032	1020	1026	1038	1047	646
45°	867	864	891	921	933	669
55°	672	675	735	729	729	602
65°	477	501	519	513	513	473
75°	279	300	300	300	294	296
85°	87	96	96	99	90	94
90°	9	9	9	9	6	16
95°	96	336	1983	906	537	103
105°	342	546	2508	4113	3522	360
115°	597	750	1815	4098	4842	590
125°	843	972	1701	3045	3657	754
135°	1077	1176	1665	2490	2892	831
145°	1299	1362	1647	2061	2286	813
155°	1503	1527	1671	1824	1908	692
165°	1656	1653	1701	1746	1767	467
175°	1740	1719	1725	1725	1725	165
180°	1728	1728	1728	1728	1728	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299	1299	1299	1299	1299
2.5°	1314	1299	1299	1296	1281
5°	1308	1296	1296	1290	1284
7.5°	1302	1290	1290	1284	1278
10°	1290	1275	1275	1272	1266
12.5°	1278	1263	1266	1260	1257
15°	1260	1245	1248	1245	1239
17.5°	1239	1227	1230	1227	1221
20°	1218	1203	1206	1203	1197
22.5°	1197	1182	1182	1176	1173
25°	1170	1155	1155	1149	1146
27.5°	1140	1125	1125	1119	1113
30°	1107	1092	1095	1086	1092
32.5°	1071	1059	1062	1065	1074
35°	1032	1020	1026	1038	1047
37.5°	993	984	987	1014	1029
40°	951	945	957	990	1002
42.5°	912	906	924	960	966
45°	867	864	891	921	933
47.5°	822	819	861	885	888
50°	777	774	825	837	840
52.5°	720	723	783	789	789
55°	672	675	735	729	729
57.5°	624	633	684	675	678
60°	576	588	630	624	621
62.5°	528	546	576	567	567
65°	477	501	519	513	513
67.5°	429	456	465	459	456
70°	378	408	408	405	402
72.5°	330	354	354	351	348
75°	279	300	300	300	294
77.5°	231	246	249	246	240
80°	186	195	195	192	189
82.5°	141	144	144	144	138
85°	87	96	96	99	90
87.5°	48	51	54	51	45
90°	9	9	9	9	6
92.5°	48	219	771	177	120
95°	96	336	1983	906	537
97.5°	153	402	2499	1626	1227
100°	213	516	2697	2391	1836
102.5°	276	543	2592	3333	2604
105°	342	546	2508	4113	3522
107.5°	408	567	2373	4548	4359
110°	468	624	2112	4641	4869



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	534	687	1926	4428	4995
115°	597	750	1815	4098	4842
117.5°	657	810	1755	3768	4554
120°	720	867	1722	3477	4230
122.5°	783	921	1710	3237	3927
125°	843	972	1701	3045	3657
127.5°	903	1023	1689	2889	3426
130°	963	1074	1683	2754	3234
132.5°	1017	1125	1674	2619	3060
135°	1077	1176	1665	2490	2892
137.5°	1134	1224	1656	2370	2727
140°	1191	1272	1653	2259	2571
142.5°	1245	1320	1650	2157	2421
145°	1299	1362	1647	2061	2286
147.5°	1353	1407	1650	1983	2163
150°	1407	1449	1659	1920	2061
152.5°	1455	1488	1665	1863	1977
155°	1503	1527	1671	1824	1908
157.5°	1548	1563	1680	1794	1860
160°	1587	1596	1686	1773	1821
162.5°	1623	1626	1692	1758	1788
165°	1656	1653	1701	1746	1767
167.5°	1686	1674	1710	1734	1752
170°	1707	1692	1713	1731	1737
172.5°	1725	1707	1719	1725	1731
175°	1740	1719	1725	1725	1725
177.5°	1746	1725	1725	1725	1713
180°	1728	1728	1728	1728	1728

(END OF REPORT)