

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: P234666

Luminaire Tested: **CTA-F-7525-60L835-UNV-12**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-7525-60L835-UNV-12  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (1008) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

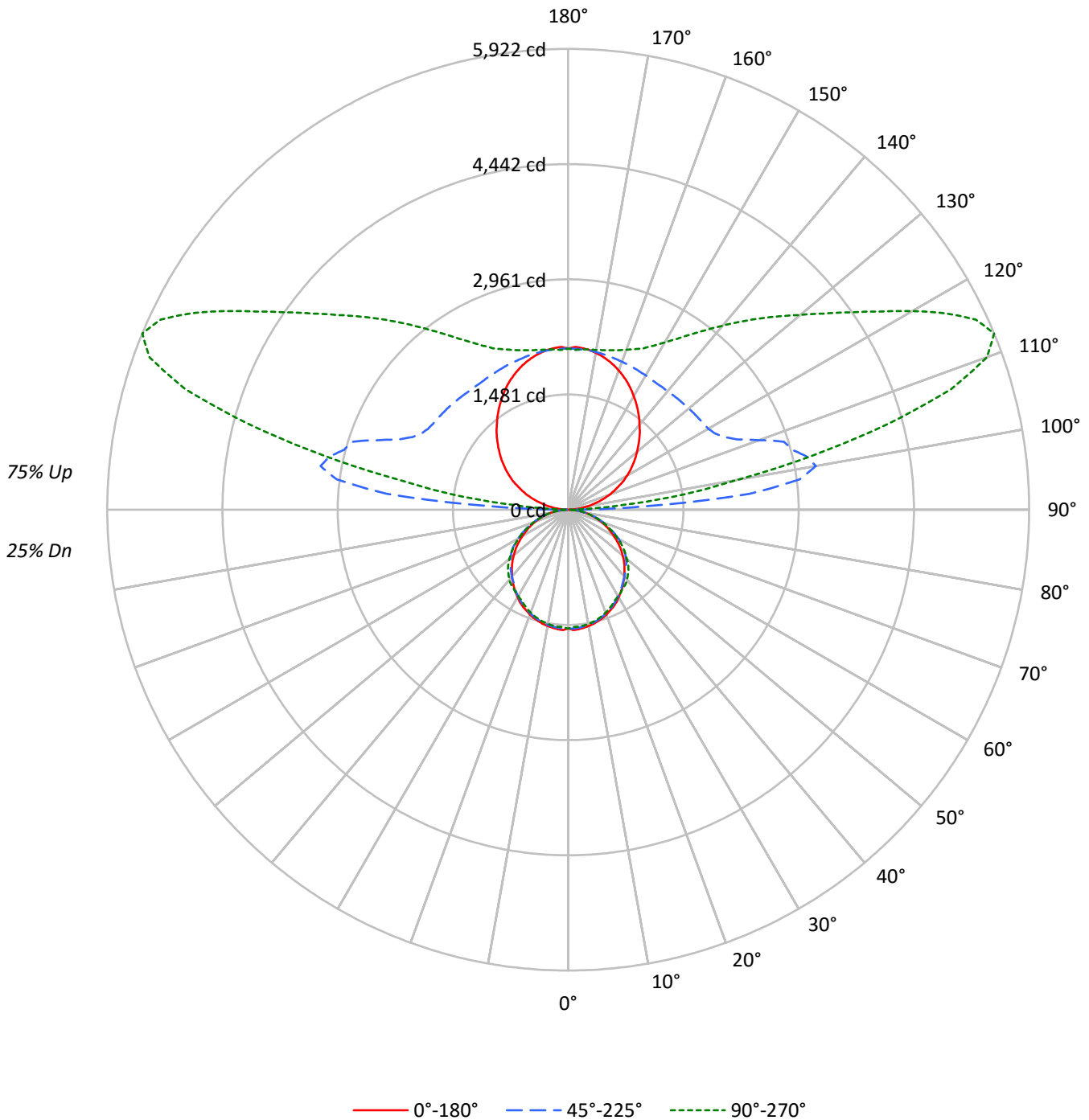
Lumens per Lamp: N/A  
Luminaire Lumens: 18158.0 lumens  
Efficiency: N/A  
Efficacy: 138.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 130.7  
Input Voltage (V): 120  
Input Current (Ain): 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	33	33	33	25
1	92	88	84	81	82	78	75	72	60	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	69	59	51	46	62	53	46	41	41	36	33	30	27	25	20	18	17	12
5	64	52	44	39	56	47	40	35	36	32	28	27	24	21	18	16	14	10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3287	3287	3287
5°	3332	3293	3261
10°	3318	3285	3259
15°	3303	3269	3249
20°	3285	3251	3223
25°	3263	3221	3192
30°	3229	3199	3184
35°	3193	3161	3232
40°	3153	3161	3305
45°	3114	3187	3333
50°	3064	3245	3295
55°	3006	3265	3243
60°	2919	3203	3139
65°	2873	3102	3056
70°	2813	3021	2964
75°	2770	2919	2844
80°	2678	2826	2715
85°	2519	2742	2593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.7	0.8
10°-20°	413.9	2.3
20°-30°	625.1	3.4
30°-40°	759.3	4.2
40°-50°	810.6	4.5
50°-60°	751.4	4.1
60°-70°	588.8	3.2
70°-80°	367.1	2.0
80°-90°	123.1	0.7
90°-100°	1099.6	6.1
100°-110°	2785.8	15.3
110°-120°	2799.2	15.4
120°-130°	2170.3	12.0
130°-140°	1706.7	9.4
140°-150°	1300.5	7.2
150°-160°	936.2	5.2
160°-170°	578.7	3.2
170°-180°	197.1	1.1
0°-30°	1183.7	6.5
0°-40°	1943.0	10.7
0°-60°	3505.0	19.3
0°-90°	4584.0	25.2
90°-120°	6684.6	36.8
90°-150°	11862.0	65.3
90°-180°	13574.0	74.8
0°-180°	18158.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1527	1527	1527	1527	1527	
5°	1542	1524	1524	1518	1509	146
15°	1482	1467	1467	1464	1458	418
25°	1374	1359	1356	1350	1344	633
35°	1215	1200	1203	1221	1230	759
45°	1023	1014	1047	1086	1095	788
55°	801	801	870	864	864	714
65°	564	588	609	600	600	558
75°	333	354	351	348	342	351
85°	102	114	111	111	105	108
90°	9	12	15	12	9	18
95°	117	405	2343	1104	714	124
105°	408	675	2979	4851	4251	431
115°	717	906	2208	4959	5778	712
125°	1017	1170	2046	3687	4422	909
135°	1293	1413	2004	3000	3474	998
145°	1560	1635	1980	2481	2748	976
155°	1803	1830	2007	2190	2289	830
165°	1986	1980	2043	2097	2121	560
175°	2085	2061	2067	2067	2067	198
180°	2070	2070	2070	2070	2070	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1527	1527	1527	1527	1527
2.5°	1548	1530	1530	1524	1509
5°	1542	1524	1524	1518	1509
7.5°	1530	1515	1515	1512	1503
10°	1518	1503	1503	1497	1491
12.5°	1503	1485	1488	1482	1476
15°	1482	1467	1467	1464	1458
17.5°	1461	1443	1446	1443	1434
20°	1434	1419	1419	1413	1407
22.5°	1404	1389	1389	1383	1377
25°	1374	1359	1356	1350	1344
27.5°	1341	1323	1323	1317	1308
30°	1299	1287	1287	1278	1281
32.5°	1257	1245	1248	1248	1257
35°	1215	1200	1203	1221	1230
37.5°	1167	1155	1161	1191	1209
40°	1122	1110	1125	1164	1176
42.5°	1071	1065	1086	1125	1134
45°	1023	1014	1047	1086	1095
47.5°	969	963	1011	1038	1044
50°	915	912	969	987	984
52.5°	858	858	921	927	927
55°	801	801	870	864	864
57.5°	738	747	813	801	801
60°	678	687	744	729	729
62.5°	621	639	675	666	666
65°	564	588	609	600	600
67.5°	507	534	543	537	537
70°	447	477	480	474	471
72.5°	393	417	414	411	408
75°	333	354	351	348	342
77.5°	273	291	288	285	279
80°	216	228	228	225	219
82.5°	162	168	168	165	162
85°	102	114	111	111	105
87.5°	51	63	60	60	51
90°	9	12	15	12	9
92.5°	60	261	975	231	156
95°	117	405	2343	1104	714
97.5°	183	486	3000	1977	1494
100°	255	633	3231	2907	2193
102.5°	330	666	3141	3987	3213
105°	408	675	2979	4851	4251
107.5°	486	687	2907	5373	5160
110°	564	753	2610	5505	5724



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	642	834	2355	5319	5922
115°	717	906	2208	4959	5778
117.5°	798	975	2124	4563	5466
120°	873	1041	2079	4218	5103
122.5°	945	1107	2058	3930	4737
125°	1017	1170	2046	3687	4422
127.5°	1086	1230	2034	3489	4140
130°	1155	1290	2025	3309	3894
132.5°	1224	1353	2013	3147	3678
135°	1293	1413	2004	3000	3474
137.5°	1362	1473	1995	2856	3276
140°	1425	1527	1986	2715	3087
142.5°	1494	1584	1986	2595	2910
145°	1560	1635	1980	2481	2748
147.5°	1623	1686	1986	2388	2604
150°	1686	1737	1992	2310	2481
152.5°	1746	1785	1998	2241	2376
155°	1803	1830	2007	2190	2289
157.5°	1854	1872	2016	2157	2232
160°	1902	1914	2022	2130	2187
162.5°	1947	1950	2031	2112	2148
165°	1986	1980	2043	2097	2121
167.5°	2019	2010	2049	2082	2100
170°	2046	2034	2058	2076	2085
172.5°	2070	2049	2064	2070	2076
175°	2085	2061	2067	2067	2067
177.5°	2094	2070	2070	2070	2055
180°	2070	2070	2070	2070	2070

(END OF REPORT)