

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: P234639

Luminaire Tested: **CTA-F-7525-30L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-7525-30L835-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (672) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6089.8 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

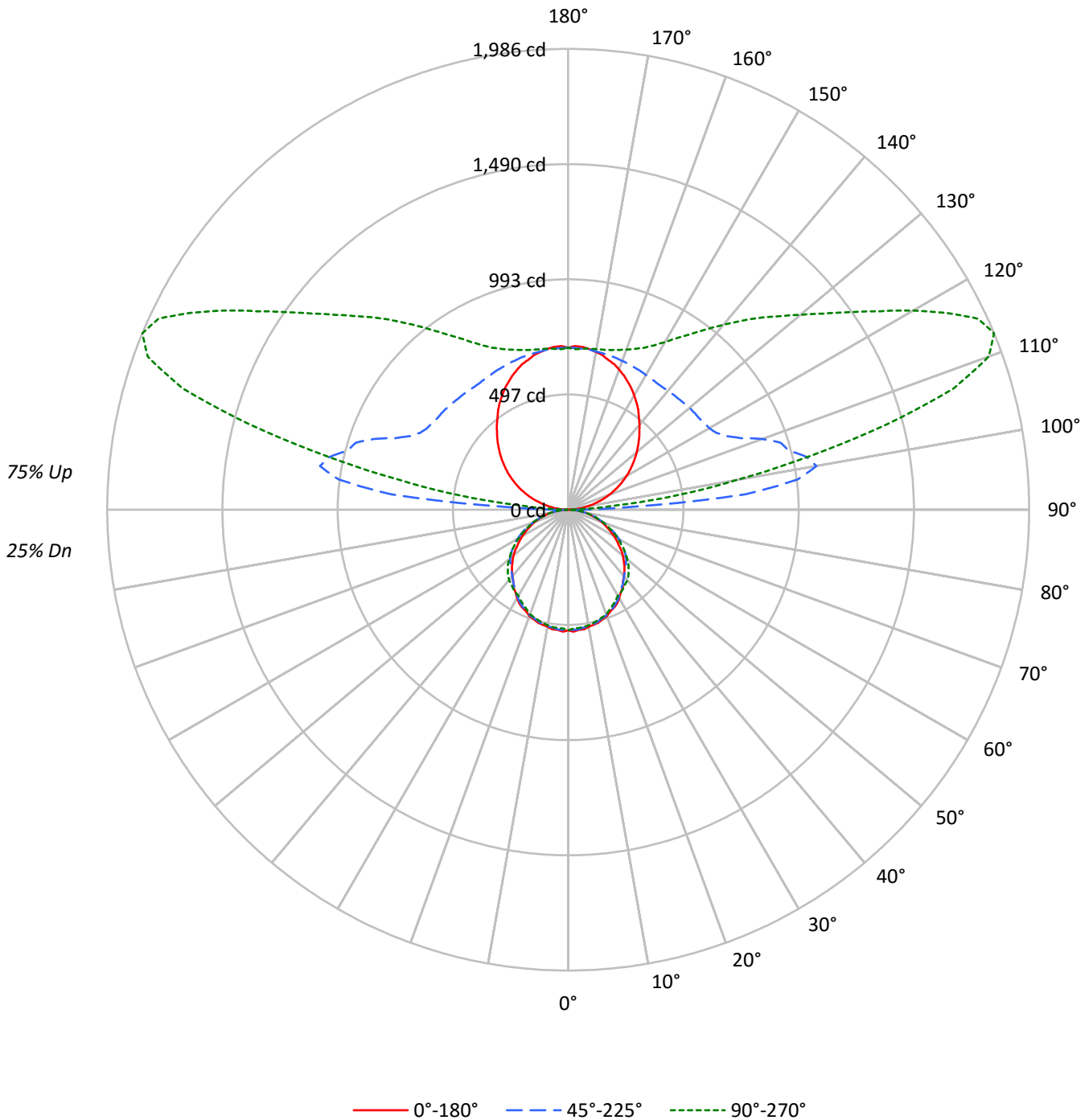
Input Watts (W): 47.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P234639

CATALOG NUMBER: CTA-F-7525-30L835-UNV-8

### Luminous Intensity Polar Plot





TEST NUMBER: P234639

CATALOG NUMBER: CTA-F-7525-30L835-UNV-8

**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	25
1	92	88	84	81	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	35	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	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	29	25	21	22	19	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	14	11	11	9	8	6

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

	0°	45°	90°
0°	1679	1679	1679
5°	1685	1679	1660
10°	1679	1672	1659
15°	1685	1665	1651
20°	1677	1663	1649
25°	1660	1646	1617
30°	1641	1626	1596
35°	1616	1592	1632
40°	1576	1576	1669
45°	1562	1607	1680
50°	1547	1638	1668
55°	1497	1644	1633
60°	1472	1627	1589
65°	1436	1589	1543
70°	1435	1529	1529
75°	1397	1472	1472
80°	1376	1413	1413
85°	1260	1408	1260



TEST NUMBER: P234639

CATALOG NUMBER: CTA-F-7525-30L835-UNV-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.0	0.8
10°-20°	140.3	2.3
20°-30°	211.8	3.5
30°-40°	254.6	4.2
40°-50°	271.7	4.5
50°-60°	252.6	4.1
60°-70°	199.6	3.3
70°-80°	124.5	2.0
80°-90°	40.8	0.7
90°-100°	352.3	5.8
100°-110°	934.3	15.3
110°-120°	942.4	15.5
120°-130°	728.5	12.0
130°-140°	573.3	9.4
140°-150°	437.7	7.2
150°-160°	315.3	5.2
160°-170°	194.9	3.2
170°-180°	66.4	1.1
0°-30°	401.1	6.6
0°-40°	655.7	10.8
0°-60°	1180.0	19.4
0°-90°	1544.9	25.4
90°-120°	2228.9	36.6
90°-150°	3968.4	65.2
90°-180°	4545.0	74.6
0°-180°	6089.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	520	520	520	520	520	
5°	520	516	518	514	512	50
15°	504	496	498	494	494	142
25°	466	460	462	456	454	215
35°	410	402	404	408	414	255
45°	342	338	352	364	368	264
55°	266	268	292	290	290	239
65°	188	200	208	204	202	187
75°	112	120	118	118	118	119
85°	34	36	38	36	34	36
90°	2	4	4	4	4	6
95°	38	130	766	316	210	42
105°	136	236	984	1646	1422	144
115°	240	302	750	1668	1948	237
125°	338	390	688	1238	1484	302
135°	432	472	674	1010	1170	333
145°	526	550	666	838	924	328
155°	608	616	676	738	770	280
165°	668	668	688	706	712	189
175°	704	694	696	696	696	67
180°	698	698	698	698	698	



TEST NUMBER: P234639

CATALOG NUMBER: CTA-F-7525-30L835-UNV-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	520	520	520	520	520
2.5°	526	516	518	516	512
5°	520	516	518	514	512
7.5°	520	514	512	510	510
10°	512	508	510	506	506
12.5°	508	502	506	502	500
15°	504	496	498	494	494
17.5°	494	490	490	486	486
20°	488	484	484	478	480
22.5°	474	472	474	466	466
25°	466	460	462	456	454
27.5°	456	448	450	444	442
30°	440	436	436	430	428
32.5°	422	418	418	414	422
35°	410	402	404	408	414
37.5°	388	388	390	400	404
40°	374	374	374	388	396
42.5°	358	356	362	378	384
45°	342	338	352	364	368
47.5°	324	322	338	350	352
50°	308	306	326	332	332
52.5°	288	288	310	312	312
55°	266	268	292	290	290
57.5°	248	250	274	270	268
60°	228	234	252	248	246
62.5°	208	216	230	226	226
65°	188	200	208	204	202
67.5°	170	182	184	182	180
70°	152	162	162	160	162
72.5°	132	142	140	140	140
75°	112	120	118	118	118
77.5°	94	98	98	96	96
80°	74	76	76	76	76
82.5°	54	56	56	56	54
85°	34	36	38	36	34
87.5°	18	20	20	18	16
90°	2	4	4	4	4
92.5°	20	80	272	64	46
95°	38	130	766	316	210
97.5°	62	160	998	634	472
100°	86	208	1086	950	738
102.5°	112	232	1052	1316	1062
105°	136	236	984	1646	1422
107.5°	162	240	960	1812	1742
110°	188	256	890	1850	1928



TEST NUMBER: P234639

CATALOG NUMBER: CTA-F-7525-30L835-UNV-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	214	278	806	1788	1986
115°	240	302	750	1668	1948
117.5°	264	324	718	1534	1836
120°	290	348	702	1418	1716
122.5°	314	370	694	1318	1592
125°	338	390	688	1238	1484
127.5°	362	410	686	1172	1388
130°	386	430	682	1114	1306
132.5°	408	452	678	1060	1234
135°	432	472	674	1010	1170
137.5°	454	490	672	960	1104
140°	478	512	668	914	1040
142.5°	500	534	666	874	980
145°	526	550	666	838	924
147.5°	548	568	668	804	878
150°	568	586	670	776	834
152.5°	590	600	674	754	798
155°	608	616	676	738	770
157.5°	626	632	680	726	750
160°	642	644	682	716	734
162.5°	658	656	686	712	722
165°	668	668	688	706	712
167.5°	682	676	690	702	706
170°	690	684	692	700	702
172.5°	698	690	696	698	700
175°	704	694	696	696	696
177.5°	706	698	698	696	692
180°	698	698	698	698	698

(END OF REPORT)