

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: G2-1709-282-1

Luminaire Tested: **CTA-F-7525-30L835-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: 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-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (336) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3044.9 lumens  
Efficiency: N/A  
Efficacy: 133.0 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

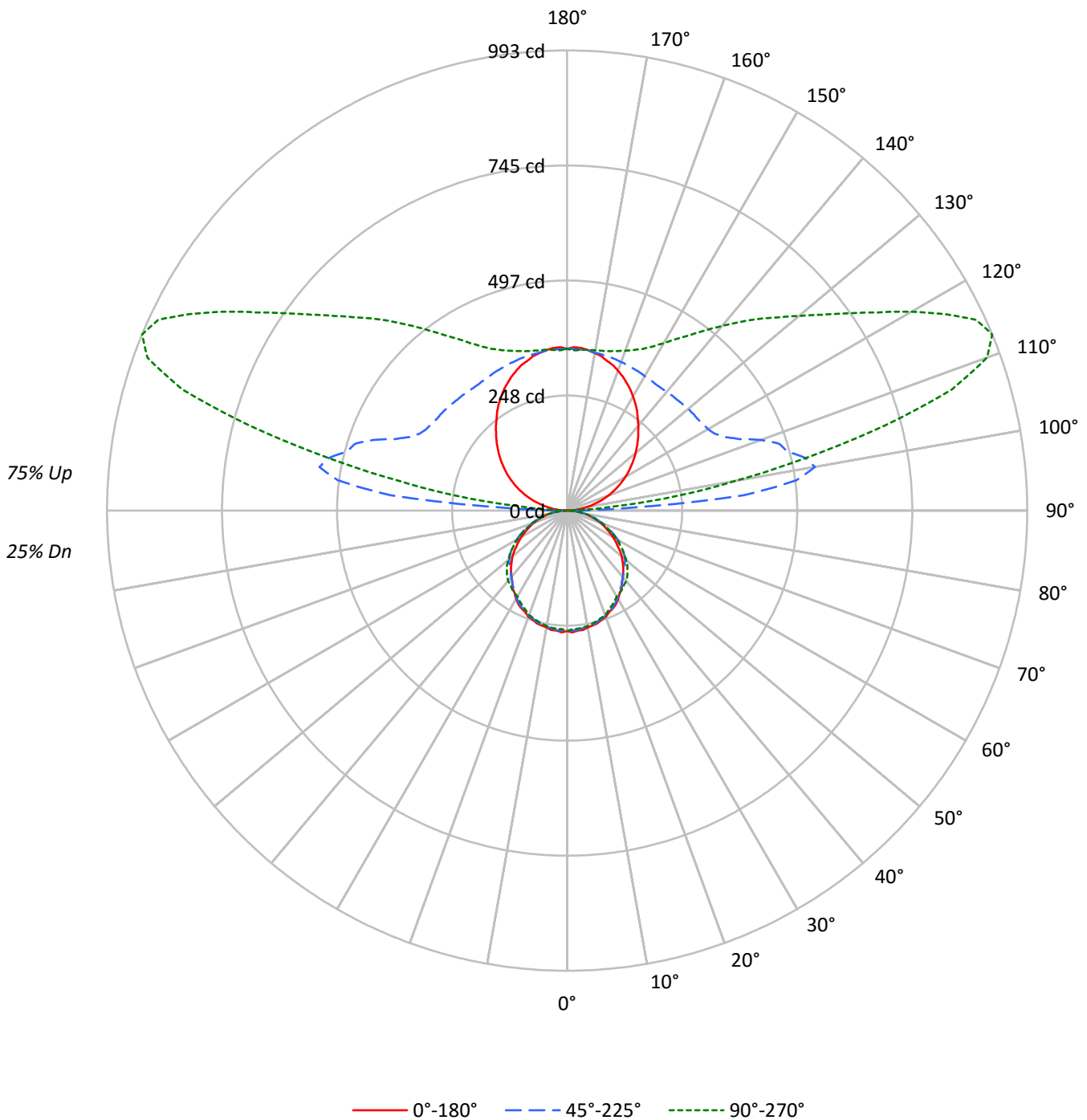
Input Watts (W): 22.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.5	0.8
10°-20°	70.1	2.3
20°-30°	105.9	3.5
30°-40°	127.3	4.2
40°-50°	135.9	4.5
50°-60°	126.3	4.1
60°-70°	99.8	3.3
70°-80°	62.3	2.0
80°-90°	20.4	0.7
90°-100°	176.1	5.8
100°-110°	467.1	15.3
110°-120°	471.2	15.5
120°-130°	364.2	12.0
130°-140°	286.6	9.4
140°-150°	218.9	7.2
150°-160°	157.6	5.2
160°-170°	97.4	3.2
170°-180°	33.2	1.1
0°-30°	200.5	6.6
0°-40°	327.8	10.8
0°-60°	590.0	19.4
0°-90°	772.4	25.4
90°-120°	1114.5	36.6
90°-150°	1984.2	65.2
90°-180°	2272.0	74.6
0°-180°	3044.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	260	260	260	260	260	
5°	260	258	259	257	256	25
15°	252	248	249	247	247	71
25°	233	230	231	228	227	107
35°	205	201	202	204	207	127
45°	171	169	176	182	184	132
55°	133	134	146	145	145	120
65°	94	100	104	102	101	94
75°	56	60	59	59	59	59
85°	17	18	19	18	17	18
90°	1	2	2	2	2	3
95°	19	65	383	158	105	21
105°	68	118	492	823	711	72
115°	120	151	375	834	974	118
125°	169	195	344	619	742	151
135°	216	236	337	505	585	167
145°	263	275	333	419	462	164
155°	304	308	338	369	385	140
165°	334	334	344	353	356	94
175°	352	347	348	348	348	33
180°	349	349	349	349	349	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	260	260	260	260	260
2.5°	263	258	259	258	256
5°	260	258	259	257	256
7.5°	260	257	256	255	255
10°	256	254	255	253	253
12.5°	254	251	253	251	250
15°	252	248	249	247	247
17.5°	247	245	245	243	243
20°	244	242	242	239	240
22.5°	237	236	237	233	233
25°	233	230	231	228	227
27.5°	228	224	225	222	221
30°	220	218	218	215	214
32.5°	211	209	209	207	211
35°	205	201	202	204	207
37.5°	194	194	195	200	202
40°	187	187	187	194	198
42.5°	179	178	181	189	192
45°	171	169	176	182	184
47.5°	162	161	169	175	176
50°	154	153	163	166	166
52.5°	144	144	155	156	156
55°	133	134	146	145	145
57.5°	124	125	137	135	134
60°	114	117	126	124	123
62.5°	104	108	115	113	113
65°	94	100	104	102	101
67.5°	85	91	92	91	90
70°	76	81	81	80	81
72.5°	66	71	70	70	70
75°	56	60	59	59	59
77.5°	47	49	49	48	48
80°	37	38	38	38	38
82.5°	27	28	28	28	27
85°	17	18	19	18	17
87.5°	9	10	10	9	8
90°	1	2	2	2	2
92.5°	10	40	136	32	23
95°	19	65	383	158	105
97.5°	31	80	499	317	236
100°	43	104	543	475	369
102.5°	56	116	526	658	531
105°	68	118	492	823	711
107.5°	81	120	480	906	871
110°	94	128	445	925	964



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	107	139	403	894	993
115°	120	151	375	834	974
117.5°	132	162	359	767	918
120°	145	174	351	709	858
122.5°	157	185	347	659	796
125°	169	195	344	619	742
127.5°	181	205	343	586	694
130°	193	215	341	557	653
132.5°	204	226	339	530	617
135°	216	236	337	505	585
137.5°	227	245	336	480	552
140°	239	256	334	457	520
142.5°	250	267	333	437	490
145°	263	275	333	419	462
147.5°	274	284	334	402	439
150°	284	293	335	388	417
152.5°	295	300	337	377	399
155°	304	308	338	369	385
157.5°	313	316	340	363	375
160°	321	322	341	358	367
162.5°	329	328	343	356	361
165°	334	334	344	353	356
167.5°	341	338	345	351	353
170°	345	342	346	350	351
172.5°	349	345	348	349	350
175°	352	347	348	348	348
177.5°	353	349	349	348	346
180°	349	349	349	349	349

(END OF REPORT)