

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: G2-1709-282-3D

Luminaire Tested: **CTA-F-7525-50L835-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
5000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (336) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

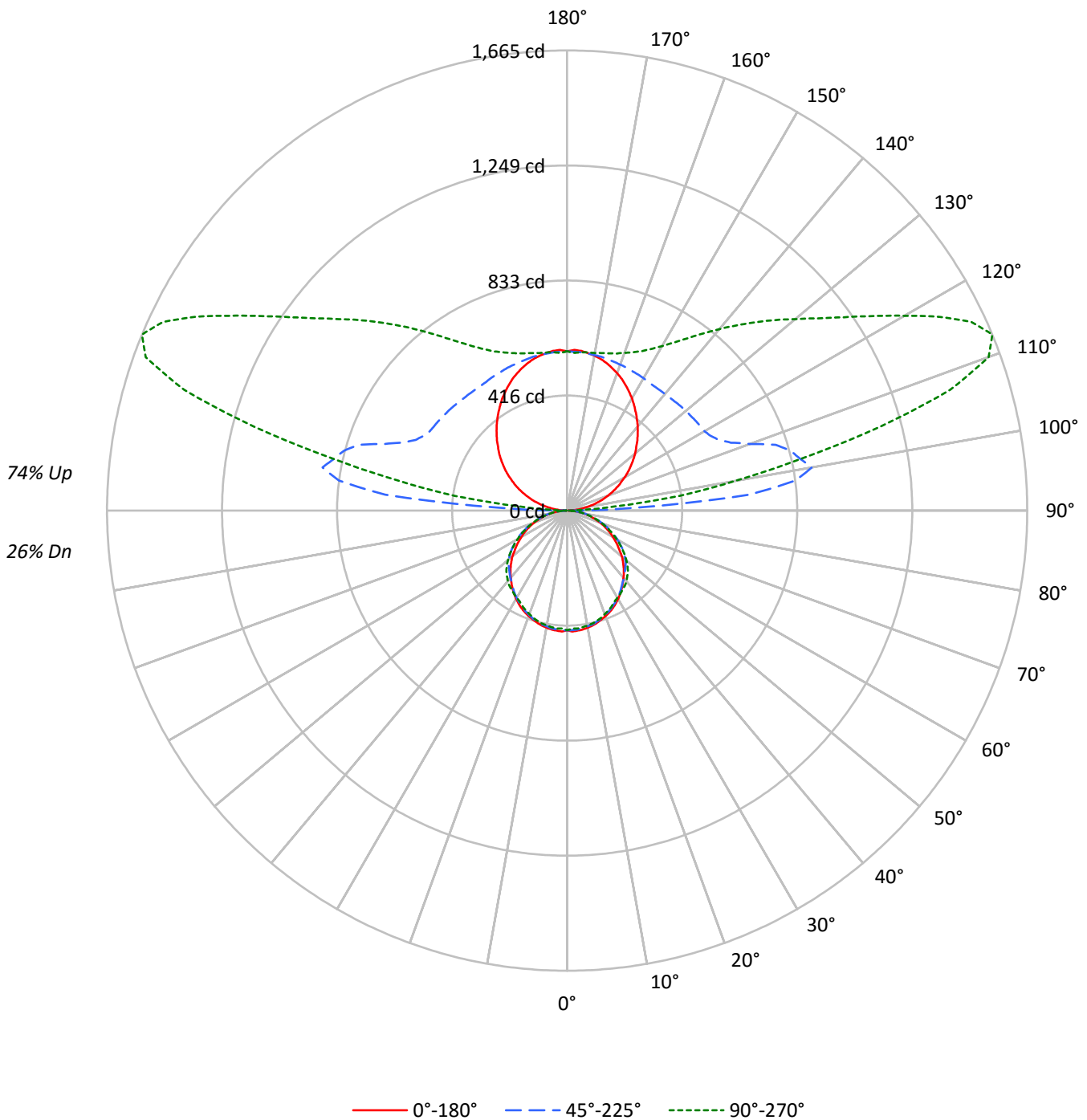
Lumens per Lamp: N/A
Luminaire Lumens: 5060.6 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 37.6
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	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°	41.0	0.8
10°-20°	117.3	2.3
20°-30°	177.2	3.5
30°-40°	215.4	4.3
40°-50°	229.9	4.5
50°-60°	212.0	4.2
60°-70°	167.3	3.3
70°-80°	104.4	2.1
80°-90°	35.3	0.7
90°-100°	302.5	6.0
100°-110°	775.0	15.3
110°-120°	774.7	15.3
120°-130°	599.4	11.8
130°-140°	473.1	9.3
140°-150°	360.7	7.1
150°-160°	260.0	5.1
160°-170°	160.7	3.2
170°-180°	54.8	1.1
0°-30°	335.5	6.6
0°-40°	550.9	10.9
0°-60°	992.8	19.6
0°-90°	1299.9	25.7
90°-120°	1852.1	36.6
90°-150°	3285.2	64.9
90°-180°	3761.0	74.3
0°-180°	5060.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	433	433	433	433	433	
5°	436	432	432	430	428	41
15°	420	415	416	415	413	118
25°	390	385	385	383	382	180
35°	344	340	342	346	349	215
45°	289	288	297	307	311	223
55°	224	225	245	243	243	201
65°	159	167	173	171	171	158
75°	93	100	100	100	98	99
85°	29	32	32	33	30	31
90°	3	3	3	3	2	5
95°	32	112	661	302	179	34
105°	114	182	836	1371	1174	120
115°	199	250	605	1366	1614	197
125°	281	324	567	1015	1219	251
135°	359	392	555	830	964	277
145°	433	454	549	687	762	271
155°	501	509	557	608	636	231
165°	552	551	567	582	589	156
175°	580	573	575	575	575	55
180°	576	576	576	576	576	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	433	433	433	433	433
2.5°	438	433	433	432	427
5°	436	432	432	430	428
7.5°	434	430	430	428	426
10°	430	425	425	424	422
12.5°	426	421	422	420	419
15°	420	415	416	415	413
17.5°	413	409	410	409	407
20°	406	401	402	401	399
22.5°	399	394	394	392	391
25°	390	385	385	383	382
27.5°	380	375	375	373	371
30°	369	364	365	362	364
32.5°	357	353	354	355	358
35°	344	340	342	346	349
37.5°	331	328	329	338	343
40°	317	315	319	330	334
42.5°	304	302	308	320	322
45°	289	288	297	307	311
47.5°	274	273	287	295	296
50°	259	258	275	279	280
52.5°	240	241	261	263	263
55°	224	225	245	243	243
57.5°	208	211	228	225	226
60°	192	196	210	208	207
62.5°	176	182	192	189	189
65°	159	167	173	171	171
67.5°	143	152	155	153	152
70°	126	136	136	135	134
72.5°	110	118	118	117	116
75°	93	100	100	100	98
77.5°	77	82	83	82	80
80°	62	65	65	64	63
82.5°	47	48	48	48	46
85°	29	32	32	33	30
87.5°	16	17	18	17	15
90°	3	3	3	3	2
92.5°	16	73	257	59	40
95°	32	112	661	302	179
97.5°	51	134	833	542	409
100°	71	172	899	797	612
102.5°	92	181	864	1111	868
105°	114	182	836	1371	1174
107.5°	136	189	791	1516	1453
110°	156	208	704	1547	1623



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	178	229	642	1476	1665
115°	199	250	605	1366	1614
117.5°	219	270	585	1256	1518
120°	240	289	574	1159	1410
122.5°	261	307	570	1079	1309
125°	281	324	567	1015	1219
127.5°	301	341	563	963	1142
130°	321	358	561	918	1078
132.5°	339	375	558	873	1020
135°	359	392	555	830	964
137.5°	378	408	552	790	909
140°	397	424	551	753	857
142.5°	415	440	550	719	807
145°	433	454	549	687	762
147.5°	451	469	550	661	721
150°	469	483	553	640	687
152.5°	485	496	555	621	659
155°	501	509	557	608	636
157.5°	516	521	560	598	620
160°	529	532	562	591	607
162.5°	541	542	564	586	596
165°	552	551	567	582	589
167.5°	562	558	570	578	584
170°	569	564	571	577	579
172.5°	575	569	573	575	577
175°	580	573	575	575	575
177.5°	582	575	575	575	571
180°	576	576	576	576	576

(END OF REPORT)