

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: P234586

Luminaire Tested: **CTA-F-2575-50L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-13)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-50L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
5000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15089.8 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

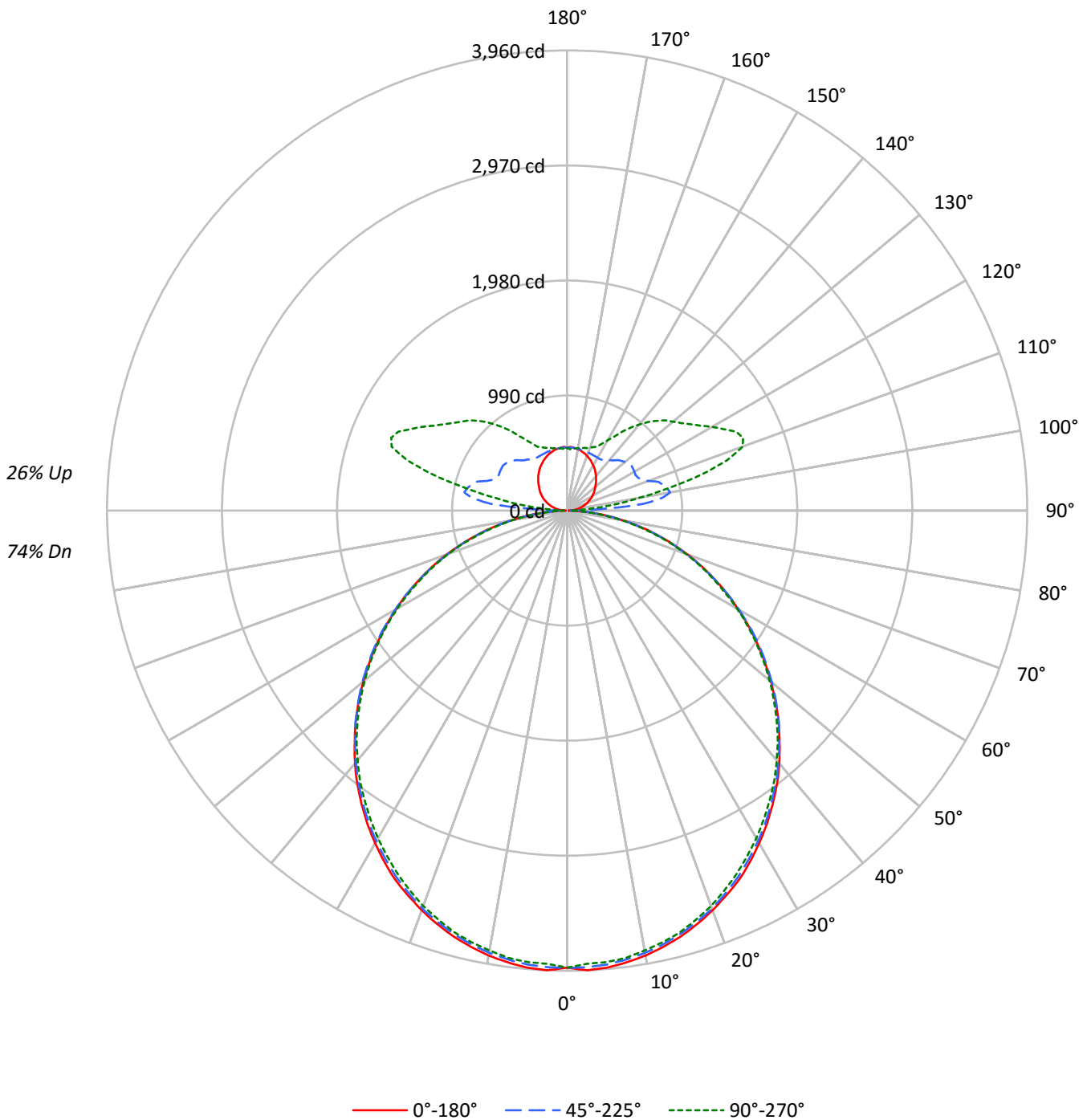
Input Watts (W): 140.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	103	98	94	90	97	93	90	86	84	82	79	76	74	72	69	67	65	62
2	93	85	79	73	88	81	75	70	74	69	65	67	63	60	60	57	55	51
3	85	75	67	61	80	71	64	59	65	59	54	59	54	50	53	49	46	43
4	78	66	58	51	73	63	56	50	57	51	46	52	47	43	47	43	40	37
5	71	59	50	44	67	56	48	43	51	45	40	47	41	37	42	38	34	32
6	66	53	44	38	62	51	43	37	46	40	35	42	37	32	38	34	30	28
7	61	48	39	34	58	46	38	33	42	35	31	38	33	29	35	30	27	24
8	57	44	35	30	54	42	34	29	38	32	27	35	30	26	32	27	24	22
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	30	25	22	20
10	49	37	29	24	47	35	28	23	33	26	22	30	25	21	28	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8466	8466	8466
5°	8531	8473	8427
10°	8498	8446	8400
15°	8451	8404	8370
20°	8384	8350	8295
25°	8323	8265	8194
30°	8217	8165	8091
35°	8104	8057	7986
40°	7983	7950	7882
45°	7836	7836	7763
50°	7666	7706	7615
55°	7498	7555	7453
60°	7323	7362	7272
65°	7136	7136	7044
70°	6929	6873	6816
75°	6612	6562	6412
80°	6099	6099	5876
85°	5409	5187	4742



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	2.5
10°-20°	1062.4	7.0
20°-30°	1598.2	10.6
30°-40°	1913.2	12.7
40°-50°	1976.4	13.1
50°-60°	1786.9	11.8
60°-70°	1383.5	9.2
70°-80°	831.5	5.5
80°-90°	243.2	1.6
90°-100°	326.4	2.2
100°-110°	797.2	5.3
110°-120°	810.7	5.4
120°-130°	653.6	4.3
130°-140°	515.6	3.4
140°-150°	367.3	2.4
150°-160°	248.3	1.6
160°-170°	152.0	1.0
170°-180°	51.6	0.3
0°-30°	3032.6	20.1
0°-40°	4945.8	32.8
0°-60°	8709.0	57.7
0°-90°	11167.2	74.0
90°-120°	1934.2	12.8
90°-150°	3470.7	23.0
90°-180°	3923.0	26.0
0°-180°	15089.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3933	3933	3933	3933	3933	
5°	3948	3909	3921	3912	3900	375
15°	3792	3756	3771	3768	3756	1069
25°	3504	3465	3480	3459	3450	1613
35°	3084	3054	3066	3051	3039	1930
45°	2574	2559	2574	2559	2550	1984
55°	1998	1995	2013	1995	1986	1787
65°	1401	1407	1401	1389	1383	1388
75°	795	795	789	783	771	840
85°	219	222	210	198	192	235
90°	12	30	30	30	27	21
95°	51	144	657	327	222	53
105°	138	243	855	1356	1194	145
115°	213	312	672	1383	1605	212
125°	285	339	675	1107	1296	254
135°	351	384	615	948	1092	271
145°	420	438	531	726	831	262
155°	477	483	528	582	606	220
165°	519	519	534	555	558	147
175°	546	540	543	543	537	52
180°	540	540	540	540	540	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3933	3933	3933	3933	3933
2.5°	3960	3921	3933	3927	3903
5°	3948	3909	3921	3912	3900
7.5°	3921	3885	3897	3891	3882
10°	3888	3852	3864	3855	3843
12.5°	3843	3807	3822	3813	3804
15°	3792	3756	3771	3768	3756
17.5°	3729	3696	3711	3705	3690
20°	3660	3627	3645	3630	3621
22.5°	3582	3546	3564	3546	3537
25°	3504	3465	3480	3459	3450
27.5°	3408	3369	3384	3363	3354
30°	3306	3270	3285	3264	3255
32.5°	3198	3165	3180	3159	3150
35°	3084	3054	3066	3051	3039
37.5°	2967	2937	2952	2934	2928
40°	2841	2817	2829	2811	2805
42.5°	2706	2688	2703	2688	2682
45°	2574	2559	2574	2559	2550
47.5°	2433	2421	2439	2421	2412
50°	2289	2286	2301	2286	2274
52.5°	2145	2142	2157	2142	2130
55°	1998	1995	2013	1995	1986
57.5°	1851	1851	1863	1845	1839
60°	1701	1704	1710	1695	1689
62.5°	1554	1554	1557	1548	1533
65°	1401	1407	1401	1389	1383
67.5°	1251	1254	1245	1239	1236
70°	1101	1101	1092	1089	1083
72.5°	948	951	939	933	930
75°	795	795	789	783	771
77.5°	645	642	639	624	621
80°	492	498	492	477	474
82.5°	354	357	348	333	330
85°	219	222	210	198	192
87.5°	93	96	81	72	69
90°	12	30	30	30	27
92.5°	36	99	291	96	72
95°	51	144	657	327	222
97.5°	78	171	822	552	426
100°	99	216	900	801	630
102.5°	117	231	882	1098	891
105°	138	243	855	1356	1194
107.5°	156	258	822	1497	1443
110°	177	282	744	1527	1608



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	195	300	693	1476	1638
115°	213	312	672	1383	1605
117.5°	234	321	663	1290	1518
120°	249	324	669	1206	1440
122.5°	267	330	672	1152	1359
125°	285	339	675	1107	1296
127.5°	300	342	666	1071	1236
130°	315	354	651	1041	1191
132.5°	333	366	633	996	1149
135°	351	384	615	948	1092
137.5°	369	399	585	897	1035
140°	387	411	567	843	966
142.5°	402	426	555	789	900
145°	420	438	531	726	831
147.5°	435	450	525	669	756
150°	450	462	525	636	699
152.5°	462	471	525	594	648
155°	477	483	528	582	606
157.5°	489	492	528	570	591
160°	501	504	531	564	576
162.5°	513	513	534	555	564
165°	519	519	534	555	558
167.5°	531	525	537	546	549
170°	537	531	540	546	546
172.5°	540	540	540	543	540
175°	546	540	543	543	537
177.5°	549	540	543	543	528
180°	540	540	540	540	540

(END OF REPORT)