

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: P234559

Luminaire Tested: **CTA-F-0100-50L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-18)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-0100-50L835-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
5000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT  
Light Source: (672) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10716.7 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: Direct

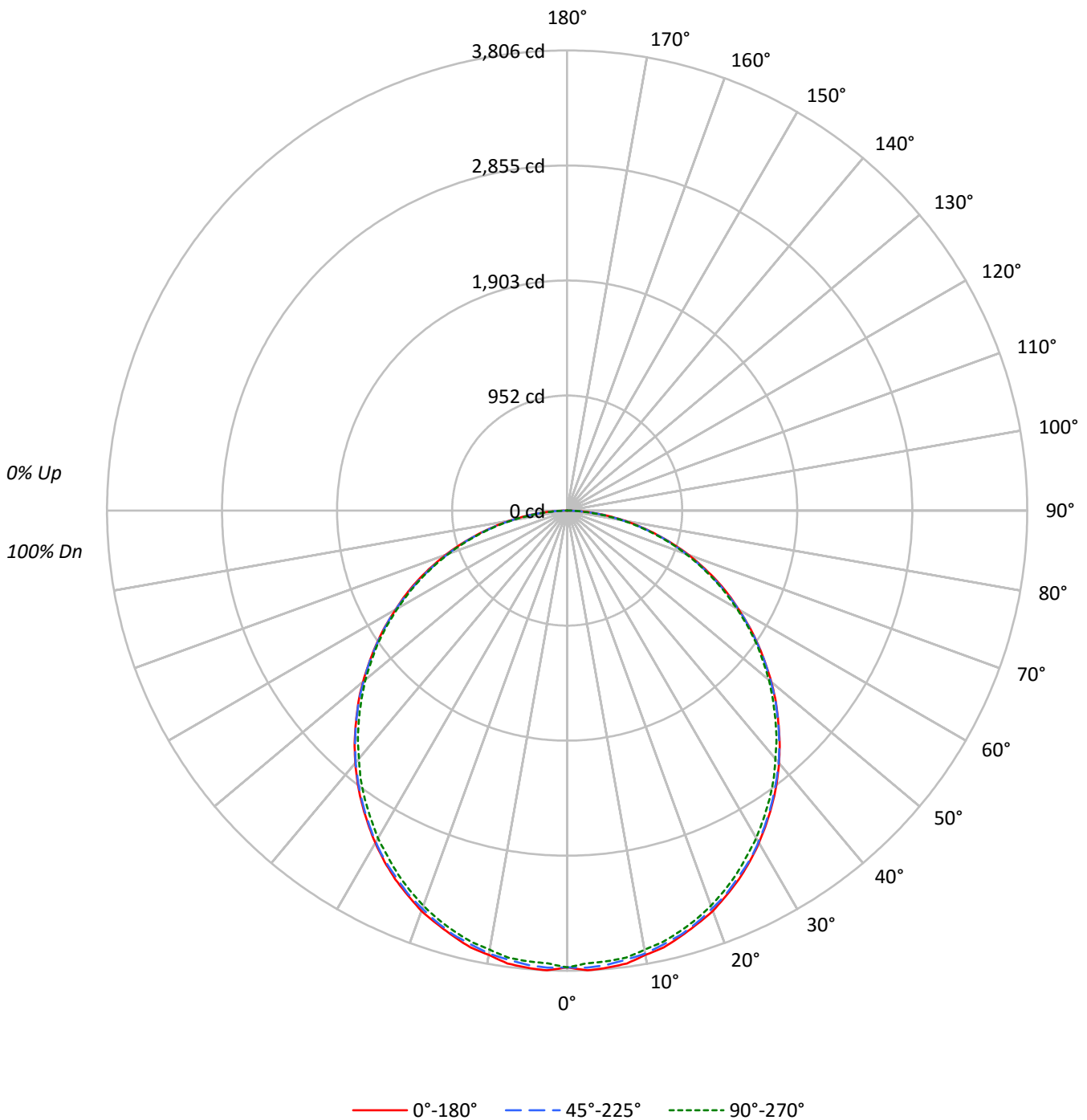
Input Watts (W): 111.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°	45°	90°
0°	12199	12199	12199
5°	12304	12226	12129
10°	12236	12197	12092
15°	12181	12141	12048
20°	12109	12040	11951
25°	11985	11928	11814
30°	11834	11804	11663
35°	11668	11636	11494
40°	11490	11473	11296
45°	11279	11270	11124
50°	11071	11041	10941
55°	10842	10809	10741
60°	10591	10565	10462
65°	10406	10253	10177
70°	10083	9913	9818
75°	9606	9506	9332
80°	8963	8777	8516
85°	7854	7335	6965



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.2	3.3
10°-20°	1020.1	9.5
20°-30°	1535.7	14.3
30°-40°	1836.5	17.1
40°-50°	1893.9	17.7
50°-60°	1712.6	16.0
60°-70°	1329.5	12.4
70°-80°	801.6	7.5
80°-90°	229.7	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2913.0	27.2
0°-40°	4749.5	44.3
0°-60°	8356.0	78.0
0°-90°	10716.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10716.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3778	3778	3778	3778	3778	
5°	3796	3744	3772	3754	3742	360
15°	3644	3596	3632	3618	3604	1028
25°	3364	3320	3348	3320	3316	1549
35°	2960	2928	2952	2922	2916	1851
45°	2470	2460	2468	2442	2436	1907
55°	1926	1926	1920	1906	1908	1721
65°	1362	1350	1342	1338	1332	1344
75°	770	766	762	754	748	814
85°	212	212	198	188	188	242
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3778	3778	3778	3778	3778
2.5°	3806	3754	3784	3772	3748
5°	3796	3744	3772	3754	3742
7.5°	3778	3718	3746	3736	3730
10°	3732	3688	3720	3700	3688
12.5°	3700	3642	3676	3662	3654
15°	3644	3596	3632	3618	3604
17.5°	3584	3538	3572	3558	3546
20°	3524	3474	3504	3488	3478
22.5°	3444	3400	3434	3406	3400
25°	3364	3320	3348	3320	3316
27.5°	3272	3234	3264	3236	3220
30°	3174	3138	3166	3132	3128
32.5°	3068	3038	3060	3036	3022
35°	2960	2928	2952	2922	2916
37.5°	2846	2818	2838	2810	2804
40°	2726	2702	2722	2690	2680
42.5°	2602	2584	2596	2566	2562
45°	2470	2460	2468	2442	2436
47.5°	2342	2328	2338	2308	2306
50°	2204	2198	2198	2178	2178
52.5°	2064	2060	2062	2040	2040
55°	1926	1926	1920	1906	1908
57.5°	1784	1780	1780	1764	1764
60°	1640	1640	1636	1622	1620
62.5°	1504	1498	1490	1480	1478
65°	1362	1350	1342	1338	1332
67.5°	1212	1204	1194	1190	1188
70°	1068	1056	1050	1042	1040
72.5°	918	910	904	898	896
75°	770	766	762	754	748
77.5°	624	620	612	608	602
80°	482	478	472	466	458
82.5°	344	342	332	324	316
85°	212	212	198	188	188
87.5°	94	88	76	66	64
90°	0	0	0	0	0

(END OF REPORT)