

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: P303041

Luminaire Tested: **CTW-F-0100-50L835-UNV-STD-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P303041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-50L835-UNV-STD-8  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 5000 LUMEN PACKAGE  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

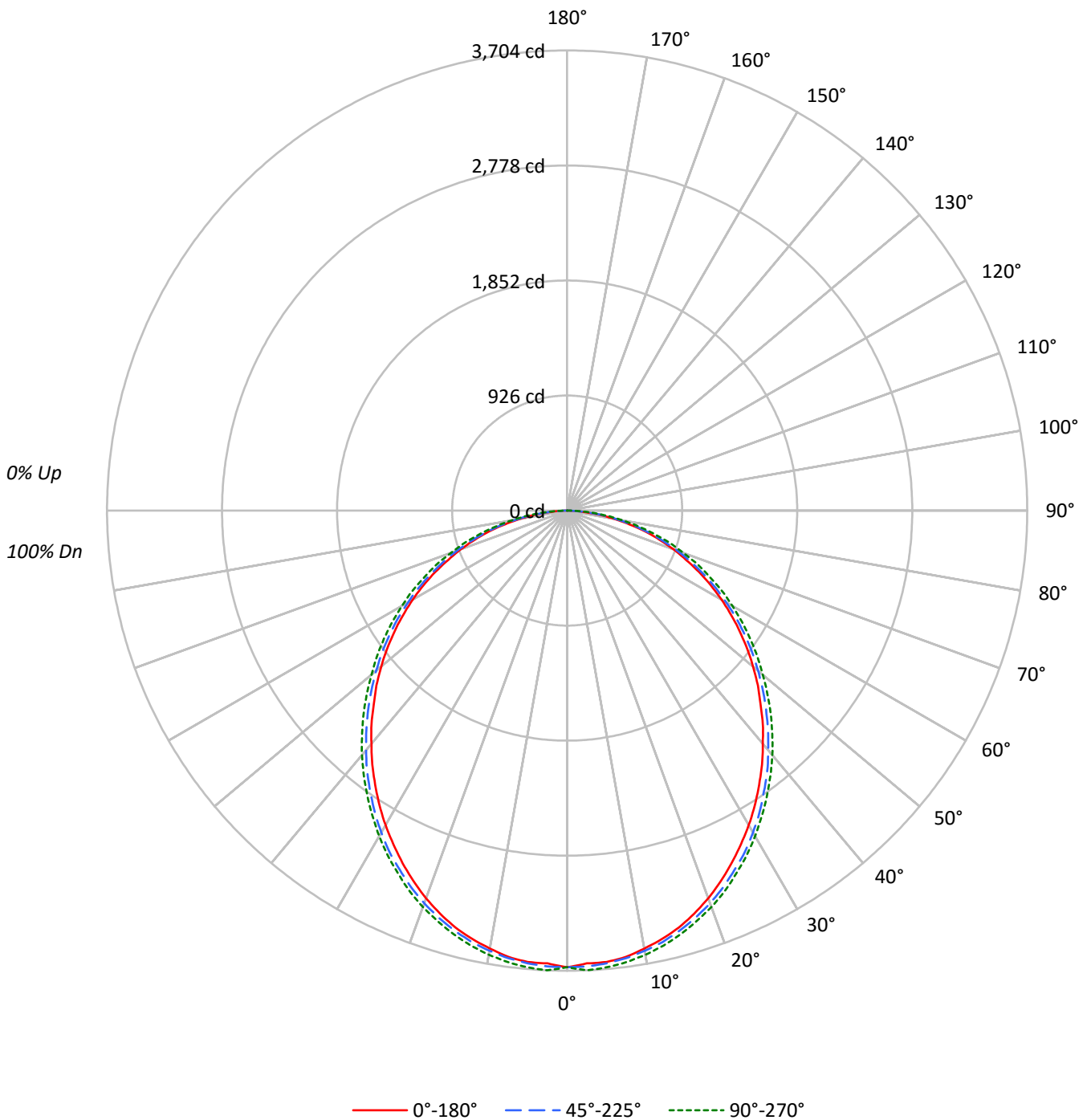
Lumens per Lamp: N/A  
Luminaire Lumens: 9933.7 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.32  
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 93.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	82	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

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

	0°	45°	90°
0°	39568	39568	39568
5°	39417	39525	39871
10°	39129	39326	39676
15°	38713	39003	39337
20°	38053	38534	38900
25°	37198	37887	38267
30°	36343	37188	37610
35°	35400	36294	36845
40°	34426	35381	36112
45°	33489	34464	35286
50°	32721	33592	34429
55°	31828	32766	33779
60°	30914	31861	33067
65°	29850	30869	32295
70°	28639	29583	31346
75°	27199	28031	30027
80°	24175	25663	28018
85°	17784	20254	24947



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.0	3.5
10°-20°	984.2	9.9
20°-30°	1461.6	14.7
30°-40°	1718.3	17.3
40°-50°	1742.1	17.5
50°-60°	1560.1	15.7
60°-70°	1203.4	12.1
70°-80°	719.0	7.2
80°-90°	198.0	2.0
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°	2792.8	28.1
0°-40°	4511.2	45.4
0°-60°	7813.4	78.7
0°-90°	9933.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9933.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3676	3676	3676	3676	3676	
5°	3648	3648	3658	3648	3690	346
15°	3474	3480	3500	3486	3530	978
25°	3132	3142	3190	3182	3222	1443
35°	2694	2704	2762	2770	2804	1686
45°	2200	2216	2264	2286	2318	1702
55°	1696	1704	1746	1778	1800	1517
65°	1172	1182	1212	1250	1268	1159
75°	654	658	674	706	722	685
85°	144	146	164	194	202	174
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3676	3676	3676	3676	3676
2.5°	3648	3664	3672	3662	3704
5°	3648	3648	3658	3648	3690
7.5°	3624	3622	3634	3624	3666
10°	3580	3582	3598	3588	3630
12.5°	3532	3534	3556	3542	3586
15°	3474	3480	3500	3486	3530
17.5°	3402	3412	3436	3424	3466
20°	3322	3326	3364	3352	3396
22.5°	3230	3236	3282	3270	3316
25°	3132	3142	3190	3182	3222
27.5°	3028	3040	3098	3088	3130
30°	2924	2934	2992	2986	3026
32.5°	2812	2822	2882	2880	2916
35°	2694	2704	2762	2770	2804
37.5°	2578	2586	2646	2656	2688
40°	2450	2466	2518	2532	2570
42.5°	2332	2342	2392	2412	2444
45°	2200	2216	2264	2286	2318
47.5°	2082	2090	2136	2164	2188
50°	1954	1962	2006	2036	2056
52.5°	1826	1834	1878	1908	1930
55°	1696	1704	1746	1778	1800
57.5°	1566	1576	1614	1652	1668
60°	1436	1446	1480	1518	1536
62.5°	1304	1314	1346	1384	1408
65°	1172	1182	1212	1250	1268
67.5°	1036	1050	1078	1114	1140
70°	910	918	940	974	996
72.5°	778	790	806	838	866
75°	654	658	674	706	722
77.5°	514	524	546	574	588
80°	390	394	414	442	452
82.5°	260	266	288	316	324
85°	144	146	164	194	202
87.5°	40	42	52	78	90
90°	0	0	0	0	0

(END OF REPORT)