

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: G2-1903-181-17

Luminaire Tested: **CTW-F-0100-40L835-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1903-181-17  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-40L835-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 4000 LUMEN PACKAGE  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

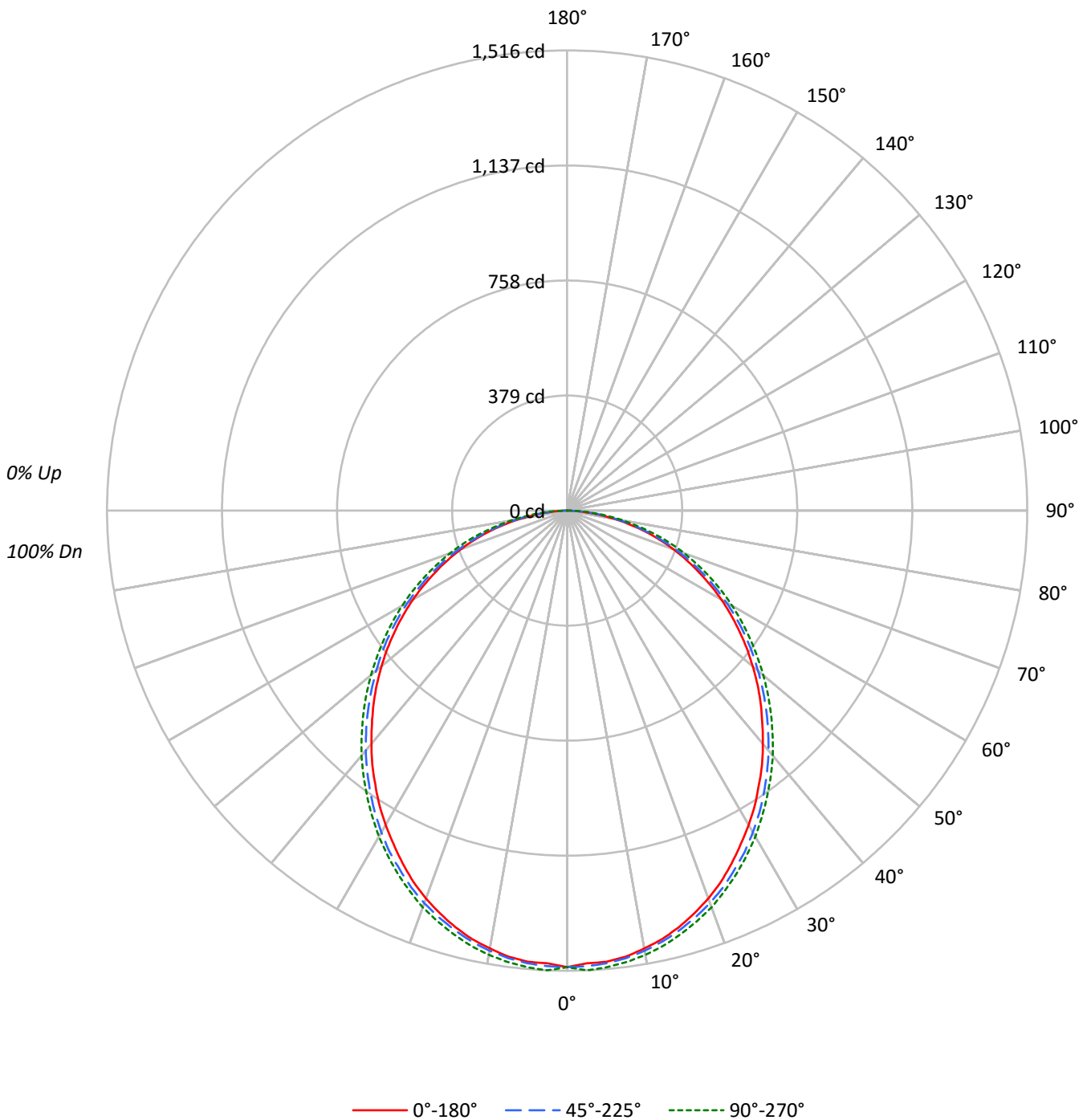
Lumens per Lamp: N/A  
Luminaire Lumens: 4062.2 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular w/ Sides (W: 4' x L: 0.12' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 37.2  
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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	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	83	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°	32378	32378	32378
5°	28874	29814	32513
10°	25929	27469	32247
15°	23334	25302	31849
20°	20977	23284	31391
25°	18777	21328	30757
30°	16799	19487	30100
35°	14978	17684	29340
40°	13303	15972	28620
45°	11769	14310	27766
50°	10323	12737	26929
55°	8956	11235	26037
60°	7637	9721	25219
65°	6309	8190	24269
70°	5035	6618	23156
75°	3688	4978	21451
80°	2273	3216	18752
85°	867	1366	14055



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.0	3.5
10°-20°	402.6	9.9
20°-30°	597.8	14.7
30°-40°	702.8	17.3
40°-50°	712.8	17.5
50°-60°	638.1	15.7
60°-70°	492.1	12.1
70°-80°	293.6	7.2
80°-90°	80.3	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°	1142.4	28.1
0°-40°	1845.2	45.4
0°-60°	3196.2	78.7
0°-90°	4062.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4062.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1492	1492	1497	1492	1510	142
15°	1421	1423	1431	1426	1445	400
25°	1282	1284	1305	1302	1320	591
35°	1102	1105	1131	1132	1149	690
45°	902	905	927	937	950	696
55°	693	698	715	728	735	620
65°	478	483	496	510	519	474
75°	265	267	277	287	298	280
85°	57	59	67	78	84	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1504	1504	1504	1504	1504
2.5°	1493	1499	1502	1498	1516
5°	1492	1492	1497	1492	1510
7.5°	1482	1482	1487	1482	1500
10°	1465	1466	1472	1468	1486
12.5°	1446	1445	1454	1449	1468
15°	1421	1423	1431	1426	1445
17.5°	1392	1395	1405	1400	1419
20°	1360	1361	1376	1370	1391
22.5°	1324	1323	1343	1338	1356
25°	1282	1284	1305	1302	1320
27.5°	1239	1242	1267	1262	1281
30°	1196	1198	1224	1220	1240
32.5°	1151	1153	1179	1178	1195
35°	1102	1105	1131	1132	1149
37.5°	1055	1056	1082	1085	1102
40°	1003	1007	1032	1037	1054
42.5°	952	956	980	987	1002
45°	902	905	927	937	950
47.5°	851	853	874	885	897
50°	798	802	821	832	844
52.5°	746	750	769	780	789
55°	693	698	715	728	735
57.5°	640	645	661	674	682
60°	587	592	606	620	628
62.5°	532	538	551	566	574
65°	478	483	496	510	519
67.5°	425	430	441	454	464
70°	373	376	386	399	410
72.5°	320	323	331	343	355
75°	265	267	277	287	298
77.5°	210	212	221	232	241
80°	157	160	169	179	187
82.5°	105	107	118	128	134
85°	57	59	67	78	84
87.5°	15	16	21	31	38
90°	0	0	0	0	0

(END OF REPORT)