

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: P302982

Luminaire Tested: **CTW-F-0100-20L940-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-20L940-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

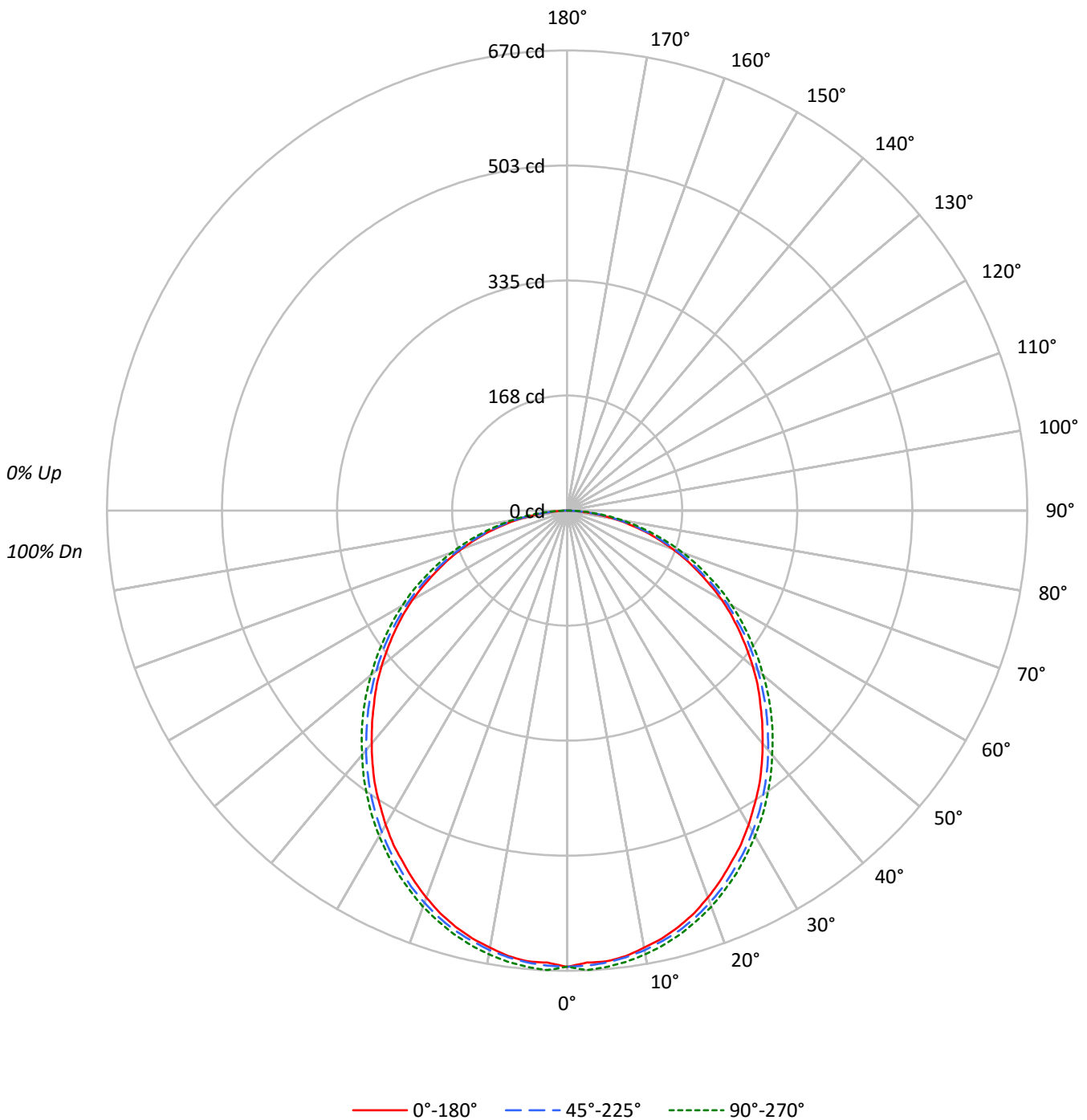
Lumens per Lamp: N/A  
Luminaire Lumens: 1791.5 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.8  
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	80	71	65	88	78	70	64	75	68	63		72	67	62		70	65	61	59
4	83	71	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	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	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	30	55	43	35	29	42	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°	14299	14299	14299
5°	14237	14276	14412
10°	14126	14205	14342
15°	13981	14101	14221
20°	13732	13917	14062
25°	13425	13682	13853
30°	13133	13423	13602
35°	12820	13127	13340
40°	12444	12798	13051
45°	12111	12467	12796
50°	11816	12147	12479
55°	11485	11857	12194
60°	11199	11509	11935
65°	10728	11049	11599
70°	10310	10593	11273
75°	9657	10031	10780
80°	8591	9149	10153
85°	6002	7114	9114



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.7	3.5
10°-20°	177.8	9.9
20°-30°	264.0	14.7
30°-40°	310.4	17.3
40°-50°	314.8	17.6
50°-60°	281.7	15.7
60°-70°	216.0	12.1
70°-80°	128.7	7.2
80°-90°	35.4	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°	504.5	28.2
0°-40°	814.8	45.5
0°-60°	1411.4	78.8
0°-90°	1791.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1791.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	664	664	664	664	664	
5°	659	659	661	659	667	62
15°	627	629	633	630	638	177
25°	565	567	576	575	583	261
35°	488	488	500	500	508	305
45°	398	400	410	414	420	307
55°	306	308	316	321	325	274
65°	211	212	217	222	228	209
75°	116	117	121	126	130	123
85°	24	26	29	35	37	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	664.2	664.2	664.2	664.2	664.2
2.5°	658.8	662.4	663.3	661.5	669.6
5°	658.8	658.8	660.6	658.8	666.9
7.5°	654.3	654.3	656.1	654.3	662.4
10°	646.2	647.1	649.8	648.0	656.1
12.5°	638.1	638.1	641.7	639.9	648.0
15°	627.3	629.1	632.7	630.0	638.1
17.5°	614.7	616.5	621.0	619.2	626.4
20°	599.4	601.2	607.5	605.7	613.8
22.5°	583.2	584.1	593.1	590.4	598.5
25°	565.2	567.0	576.0	575.1	583.2
27.5°	548.1	549.0	558.9	557.1	565.2
30°	528.3	530.1	540.0	540.0	547.2
32.5°	507.6	509.4	520.2	520.2	528.3
35°	487.8	487.8	499.5	499.5	507.6
37.5°	465.3	466.2	477.9	478.8	486.9
40°	442.8	444.6	455.4	458.1	464.4
42.5°	420.3	423.0	432.0	436.5	442.8
45°	397.8	399.6	409.5	414.0	420.3
47.5°	376.2	377.1	386.1	390.6	396.9
50°	352.8	353.7	362.7	367.2	372.6
52.5°	329.4	331.2	339.3	344.7	349.2
55°	306.0	307.8	315.9	321.3	324.9
57.5°	283.5	284.4	290.7	297.0	301.5
60°	260.1	261.0	267.3	273.6	277.2
62.5°	234.9	236.7	243.0	249.3	253.8
65°	210.6	211.5	216.9	222.3	227.7
67.5°	187.2	188.1	192.6	198.9	203.4
70°	163.8	164.7	168.3	173.7	179.1
72.5°	139.5	140.4	144.0	150.3	153.9
75°	116.1	117.0	120.6	126.0	129.6
77.5°	92.7	94.5	97.2	103.5	105.3
80°	69.3	71.1	73.8	80.1	81.9
82.5°	45.9	47.7	52.2	56.7	58.5
85°	24.3	26.1	28.8	35.1	36.9
87.5°	6.3	6.3	9.0	14.4	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)