

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: G2-1903-181-16

Luminaire Tested: **CTW-F-0100-30L835-UNV-STD-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1903-181-16  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTW-F-0100-30L835-UNV-STD-4  
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE  
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

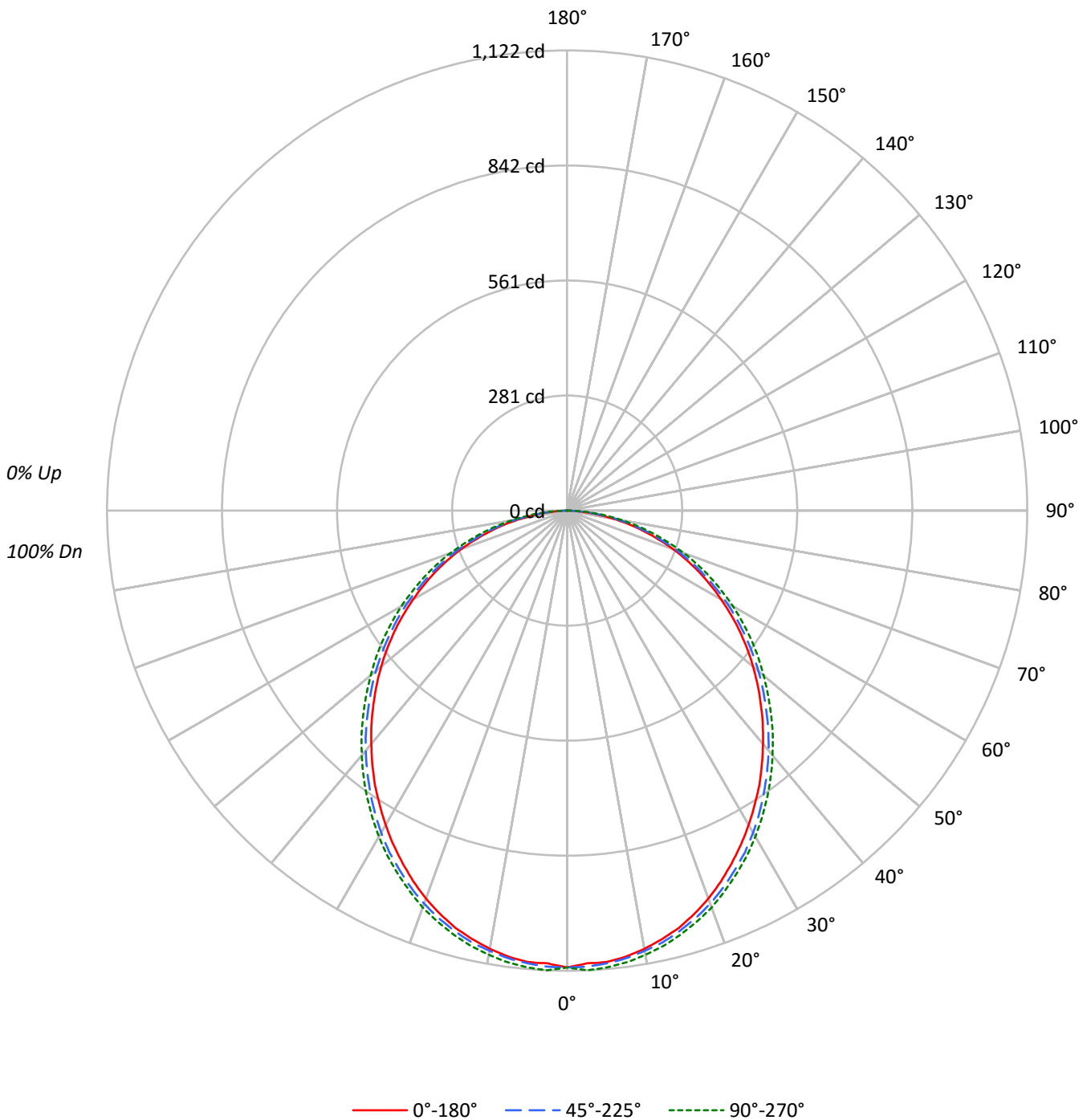
Lumens per Lamp: N/A  
Luminaire Lumens: 3007.1 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32  
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.3  
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	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	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°	23982	23982	23982
5°	23879	23944	24160
10°	23718	23827	24046
15°	23468	23647	23847
20°	23070	23368	23597
25°	22542	22969	23207
30°	22000	22546	22820
35°	21471	21997	22365
40°	20880	21470	21892
45°	20337	20885	21403
50°	19827	20396	20932
55°	19292	19855	20530
60°	18686	19332	20107
65°	18083	18695	19612
70°	17309	18065	19009
75°	16053	16968	18133
80°	14133	15621	16984
85°	10127	11856	15314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.1	3.5
10°-20°	298.3	9.9
20°-30°	442.9	14.7
30°-40°	520.5	17.3
40°-50°	528.0	17.6
50°-60°	472.6	15.7
60°-70°	364.2	12.1
70°-80°	216.4	7.2
80°-90°	59.0	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°	846.3	28.1
0°-40°	1366.8	45.5
0°-60°	2367.5	78.7
0°-90°	3007.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3007.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1105	1105	1108	1105	1118	105
15°	1053	1055	1061	1057	1070	297
25°	949	950	967	964	977	437
35°	817	819	837	838	851	511
45°	668	671	686	694	703	516
55°	514	516	529	538	547	459
65°	355	358	367	377	385	351
75°	193	197	204	211	218	204
85°	41	42	48	59	62	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1114	1114	1114	1114	1114
2.5°	1105	1110	1113	1110	1122
5°	1105	1105	1108	1105	1118
7.5°	1097	1097	1101	1098	1111
10°	1085	1086	1090	1087	1100
12.5°	1070	1071	1078	1073	1087
15°	1053	1055	1061	1057	1070
17.5°	1031	1034	1042	1037	1051
20°	1007	1008	1020	1016	1030
22.5°	979	979	995	991	1004
25°	949	950	967	964	977
27.5°	918	921	939	936	949
30°	885	888	907	905	918
32.5°	851	854	873	872	885
35°	817	819	837	838	851
37.5°	780	783	801	804	816
40°	743	747	764	768	779
42.5°	706	709	726	731	742
45°	668	671	686	694	703
47.5°	630	633	648	654	664
50°	592	594	609	617	625
52.5°	553	556	569	577	587
55°	514	516	529	538	547
57.5°	474	477	489	499	507
60°	434	437	449	458	467
62.5°	394	398	408	419	425
65°	355	358	367	377	385
67.5°	315	318	326	336	344
70°	275	278	287	295	302
72.5°	233	236	243	252	259
75°	193	197	204	211	218
77.5°	154	158	165	173	177
80°	114	118	126	133	137
82.5°	76	78	87	96	99
85°	41	42	48	59	62
87.5°	10	11	15	23	27
90°	0	0	0	0	0

(END OF REPORT)