

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: G2-1903-181-15

Luminaire Tested: **CTW-F-0100-20L835-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1903-181-15
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-20L835-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 2000 LUMEN PACKAGE
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

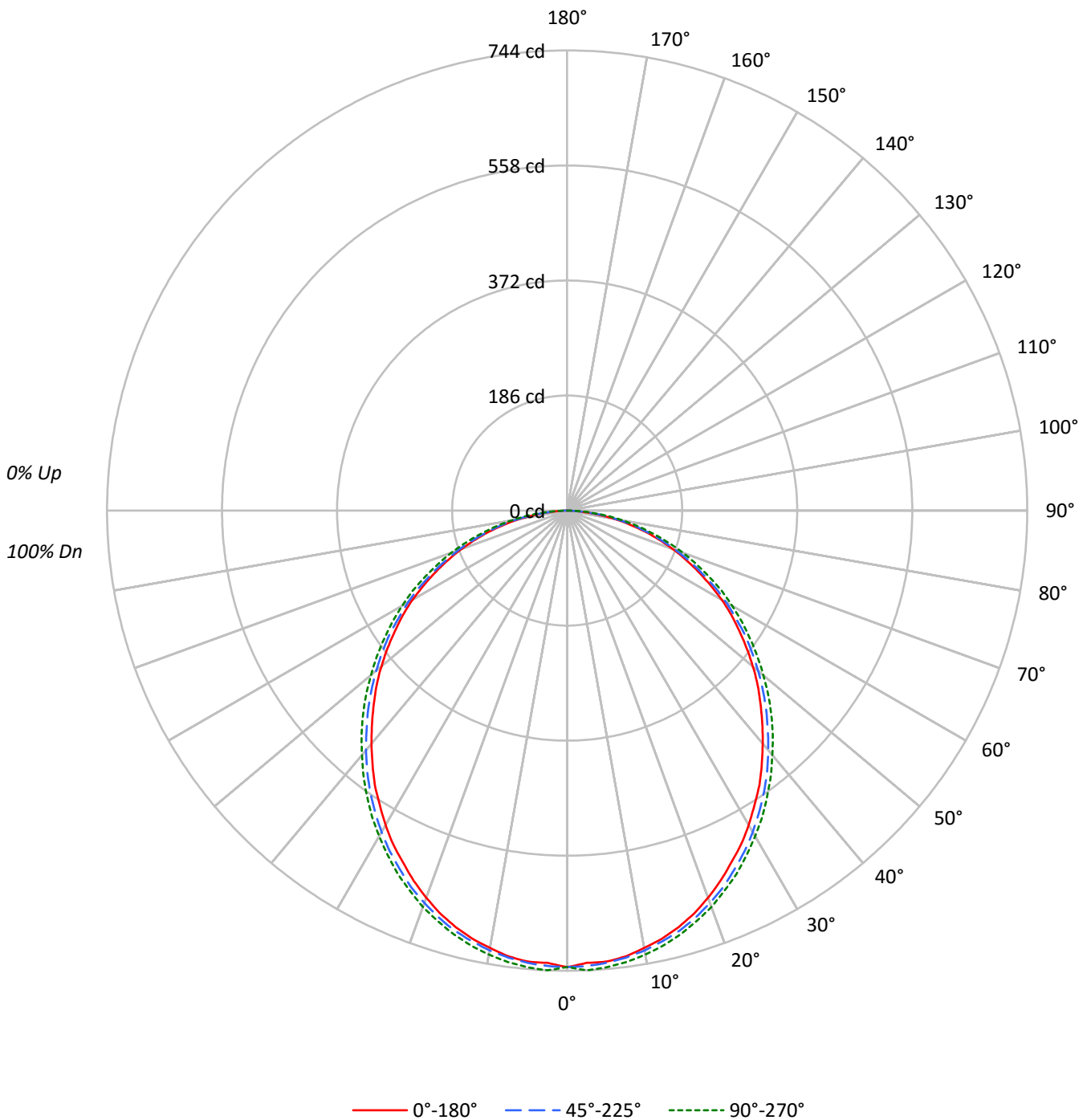
Lumens per Lamp: N/A
Luminaire Lumens: 1990.5 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	15888	15888	15888
5°	15819	15862	16013
10°	15695	15783	15936
15°	15534	15668	15802
20°	15258	15464	15624
25°	14917	15202	15392
30°	14592	14915	15114
35°	14244	14586	14822
40°	13826	14220	14501
45°	13457	13852	14218
50°	13129	13497	13865
55°	12761	13174	13549
60°	12443	12788	13261
65°	11920	12276	12888
70°	11456	11770	12526
75°	10730	11146	11978
80°	9546	10166	11282
85°	6669	7904	10127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	3.5
10°-20°	197.6	9.9
20°-30°	293.3	14.7
30°-40°	344.8	17.3
40°-50°	349.8	17.6
50°-60°	313.0	15.7
60°-70°	240.0	12.1
70°-80°	143.0	7.2
80°-90°	39.3	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°	560.5	28.2
0°-40°	905.4	45.5
0°-60°	1568.2	78.8
0°-90°	1990.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	732	732	734	732	741	69
15°	697	699	703	700	709	196
25°	628	630	640	639	648	290
35°	542	542	555	555	564	338
45°	442	444	455	460	467	341
55°	340	342	351	357	361	304
65°	234	235	241	247	253	232
75°	129	130	134	140	144	136
85°	27	29	32	39	41	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738	738	738	738	738
2.5°	732	736	737	735	744
5°	732	732	734	732	741
7.5°	727	727	729	727	736
10°	718	719	722	720	729
12.5°	709	709	713	711	720
15°	697	699	703	700	709
17.5°	683	685	690	688	696
20°	666	668	675	673	682
22.5°	648	649	659	656	665
25°	628	630	640	639	648
27.5°	609	610	621	619	628
30°	587	589	600	600	608
32.5°	564	566	578	578	587
35°	542	542	555	555	564
37.5°	517	518	531	532	541
40°	492	494	506	509	516
42.5°	467	470	480	485	492
45°	442	444	455	460	467
47.5°	418	419	429	434	441
50°	392	393	403	408	414
52.5°	366	368	377	383	388
55°	340	342	351	357	361
57.5°	315	316	323	330	335
60°	289	290	297	304	308
62.5°	261	263	270	277	282
65°	234	235	241	247	253
67.5°	208	209	214	221	226
70°	182	183	187	193	199
72.5°	155	156	160	167	171
75°	129	130	134	140	144
77.5°	103	105	108	115	117
80°	77	79	82	89	91
82.5°	51	53	58	63	65
85°	27	29	32	39	41
87.5°	7	7	10	16	18
90°	0	0	0	0	0

(END OF REPORT)