

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: P302995

Luminaire Tested: **CTW-F-0100-30L830-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-0100-30L830-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

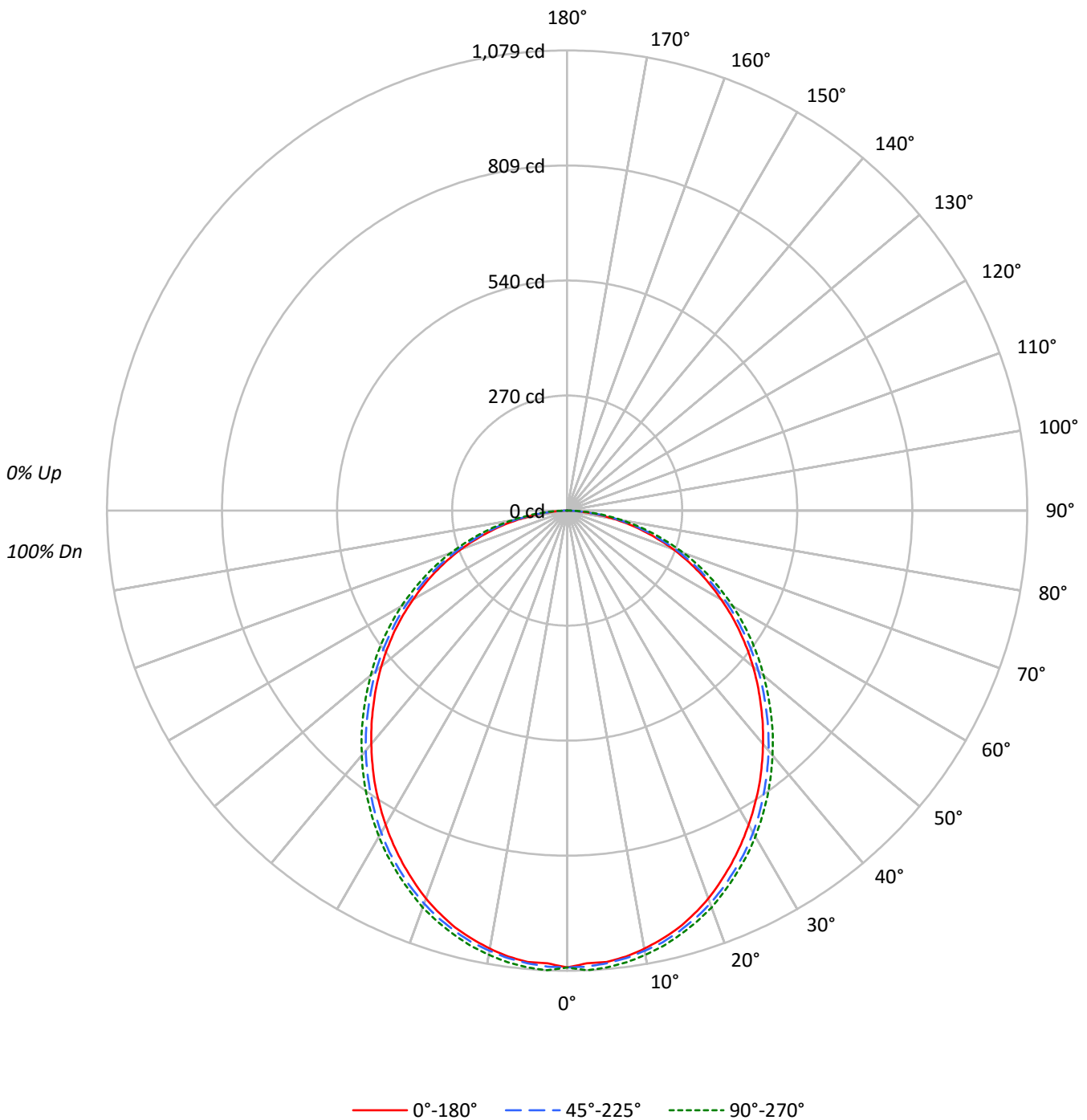
Lumens per Lamp: N/A
Luminaire Lumens: 2891.4 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.32
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Direct

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°	23061	23061	23061
5°	22961	23023	23231
10°	22806	22911	23121
15°	22566	22737	22929
20°	22183	22470	22690
25°	21675	22086	22314
30°	21154	21679	21942
35°	20646	21151	21505
40°	20076	20644	21049
45°	19555	20081	20581
50°	19063	19613	20128
55°	18549	19093	19742
60°	17967	18587	19332
65°	17386	17976	18858
70°	16642	17372	18279
75°	15438	16319	17434
80°	13588	15026	16327
85°	9732	11412	14721



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.1	3.5
10°-20°	286.8	9.9
20°-30°	425.8	14.7
30°-40°	500.5	17.3
40°-50°	507.7	17.6
50°-60°	454.4	15.7
60°-70°	350.2	12.1
70°-80°	208.0	7.2
80°-90°	56.7	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°	813.7	28.1
0°-40°	1314.3	45.5
0°-60°	2276.4	78.7
0°-90°	2891.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2891.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1062	1062	1065	1062	1075	101
15°	1012	1014	1020	1016	1029	285
25°	912	914	930	927	939	420
35°	786	788	805	806	818	491
45°	642	645	660	667	676	496
55°	494	496	509	517	526	442
65°	341	344	353	362	370	337
75°	186	189	196	203	210	196
85°	39	40	46	57	60	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1071.2	1071.2	1071.2	1071.2	1071.2
2.5°	1062.5	1067.3	1070.2	1067.3	1078.8
5°	1062.5	1062.5	1065.4	1062.5	1075.0
7.5°	1054.8	1054.8	1058.7	1055.8	1068.3
10°	1043.3	1044.2	1048.1	1045.2	1057.7
12.5°	1028.8	1029.8	1036.5	1031.7	1045.2
15°	1012.5	1014.4	1020.2	1016.3	1028.8
17.5°	991.3	994.2	1001.9	997.1	1010.6
20°	968.3	969.2	980.8	976.9	990.4
22.5°	941.3	941.3	956.7	952.9	965.4
25°	912.5	913.5	929.8	926.9	939.4
27.5°	882.7	885.6	902.9	900.0	912.5
30°	851.0	853.8	872.1	870.2	882.7
32.5°	818.3	821.2	839.4	838.5	851.0
35°	785.6	787.5	804.8	805.8	818.3
37.5°	750.0	752.9	770.2	773.1	784.6
40°	714.4	718.3	734.6	738.5	749.0
42.5°	678.8	681.7	698.1	702.9	713.5
45°	642.3	645.2	659.6	667.3	676.0
47.5°	605.8	608.7	623.1	628.8	638.5
50°	569.2	571.2	585.6	593.3	601.0
52.5°	531.7	534.6	547.1	554.8	564.4
55°	494.2	496.2	508.7	517.3	526.0
57.5°	455.8	458.7	470.2	479.8	487.5
60°	417.3	420.2	431.7	440.4	449.0
62.5°	378.8	382.7	392.3	402.9	408.7
65°	341.3	344.2	352.9	362.5	370.2
67.5°	302.9	305.8	313.5	323.1	330.8
70°	264.4	267.3	276.0	283.7	290.4
72.5°	224.0	226.9	233.7	242.3	249.0
75°	185.6	189.4	196.2	202.9	209.6
77.5°	148.1	151.9	158.7	166.3	170.2
80°	109.6	113.5	121.2	127.9	131.7
82.5°	73.1	75.0	83.7	92.3	95.2
85°	39.4	40.4	46.2	56.7	59.6
87.5°	9.6	10.6	14.4	22.1	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)