

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: P302998

Luminaire Tested: **CTW-F-0100-30L935-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302998
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-0100-30L935-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
0% UPLIGHT, 100% DOWNLIGHT, 3000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2589.1 lumens
Efficiency: N/A
Efficacy: 94.8 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

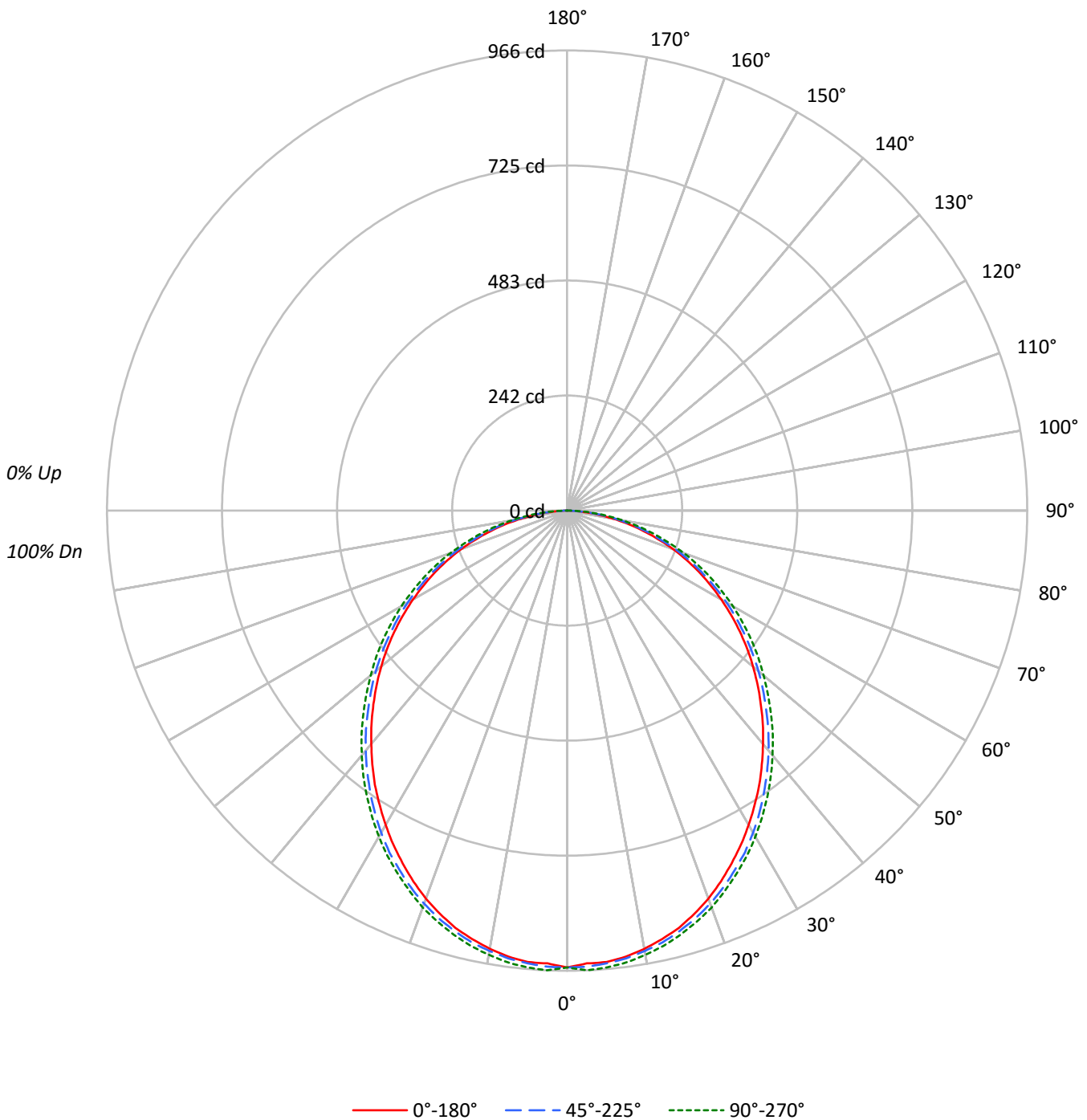
Input Watts (W): 27.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20649	20649	20649
5°	20560	20616	20802
10°	20422	20516	20704
15°	20206	20359	20533
20°	19862	20119	20316
25°	19409	19777	19981
30°	18942	19412	19648
35°	18486	18940	19256
40°	17977	18486	18848
45°	17509	17981	18428
50°	17071	17560	18022
55°	16612	17096	17678
60°	16090	16645	17313
65°	15572	16097	16886
70°	14905	15553	16365
75°	13824	14606	15612
80°	12174	13451	14629
85°	8719	10201	13190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.5
10°-20°	256.9	9.9
20°-30°	381.3	14.7
30°-40°	448.2	17.3
40°-50°	454.6	17.6
50°-60°	406.9	15.7
60°-70°	313.6	12.1
70°-80°	186.3	7.2
80°-90°	50.8	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°	728.7	28.1
0°-40°	1176.9	45.5
0°-60°	2038.4	78.7
0°-90°	2589.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2589.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	951	951	954	951	963	90
15°	907	908	914	910	921	255
25°	817	818	833	830	841	376
35°	703	705	721	722	733	440
45°	575	578	591	598	605	444
55°	443	444	456	463	471	395
65°	306	308	316	325	332	302
75°	166	170	176	182	188	176
85°	35	36	41	51	53	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	959.2	959.2	959.2	959.2	959.2
2.5°	951.4	955.7	958.3	955.7	966.0
5°	951.4	951.4	954.0	951.4	962.6
7.5°	944.5	944.5	948.0	945.4	956.6
10°	934.2	935.0	938.5	935.9	947.1
12.5°	921.3	922.1	928.2	923.9	935.9
15°	906.6	908.4	913.5	910.1	921.3
17.5°	887.7	890.3	897.2	892.9	904.9
20°	867.0	867.9	878.2	874.8	886.8
22.5°	842.9	842.9	856.7	853.3	864.4
25°	817.1	818.0	832.6	830.0	841.2
27.5°	790.4	793.0	808.5	805.9	817.1
30°	762.0	764.6	780.9	779.2	790.4
32.5°	732.7	735.3	751.7	750.8	762.0
35°	703.4	705.2	720.7	721.5	732.7
37.5°	671.6	674.2	689.7	692.2	702.6
40°	639.7	643.2	657.8	661.2	670.7
42.5°	607.9	610.4	625.1	629.4	638.9
45°	575.1	577.7	590.6	597.5	605.3
47.5°	542.4	545.0	557.9	563.1	571.7
50°	509.7	511.4	524.3	531.2	538.1
52.5°	476.1	478.7	489.9	496.8	505.4
55°	442.6	444.3	455.5	463.2	471.0
57.5°	408.1	410.7	421.0	429.6	436.5
60°	373.7	376.3	386.6	394.3	402.1
62.5°	339.2	342.7	351.3	360.8	365.9
65°	305.7	308.2	316.0	324.6	331.5
67.5°	271.2	273.8	280.7	289.3	296.2
70°	236.8	239.4	247.1	254.0	260.0
72.5°	200.6	203.2	209.2	217.0	223.0
75°	166.2	169.6	175.6	181.7	187.7
77.5°	132.6	136.0	142.1	149.0	152.4
80°	98.2	101.6	108.5	114.5	118.0
82.5°	65.4	67.2	74.9	82.7	85.2
85°	35.3	36.2	41.3	50.8	53.4
87.5°	8.6	9.5	12.9	19.8	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)