

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: P297667

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2739.0 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

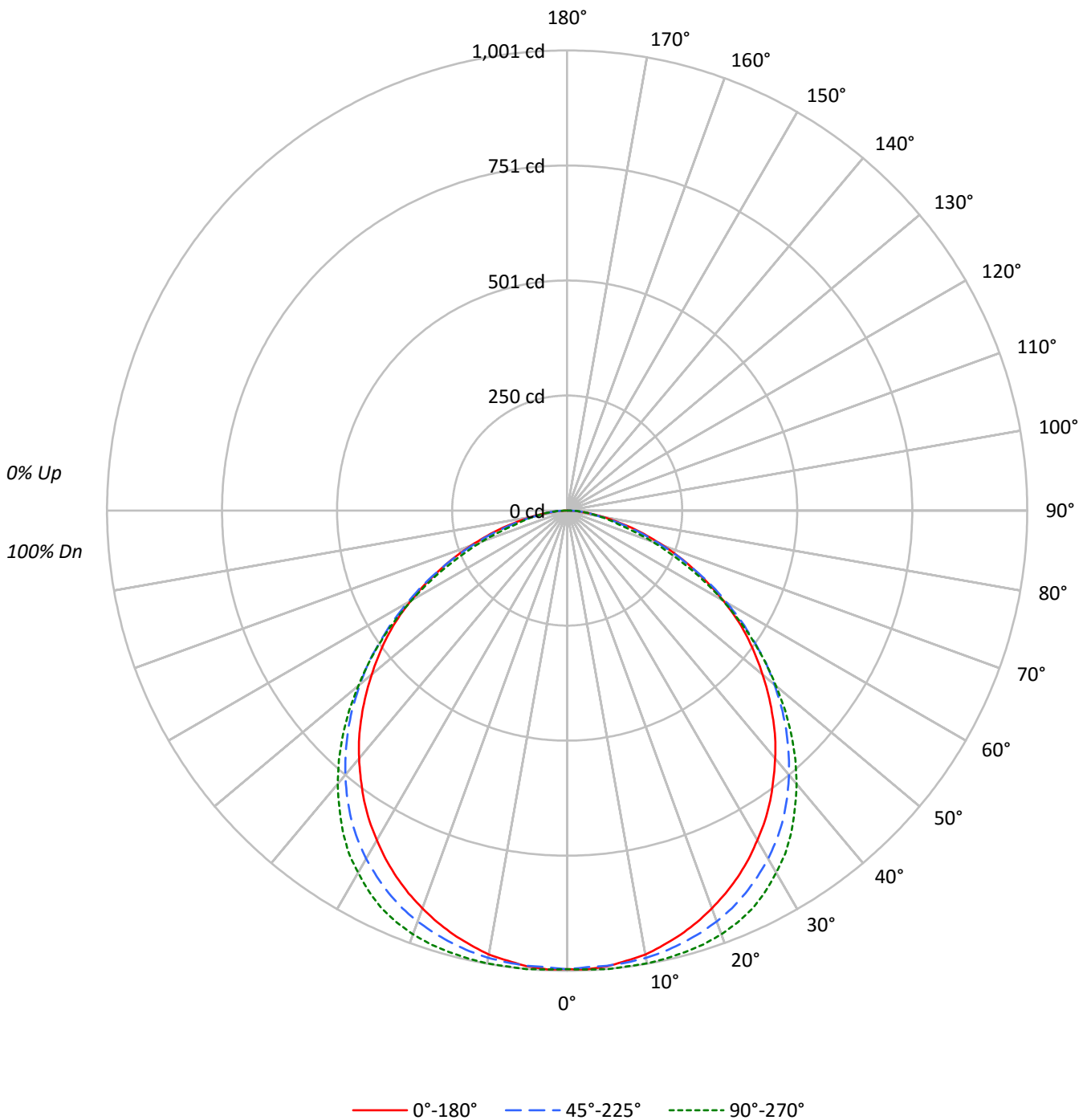
Input Watts (W): 28.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2685	2685	2685
5°	2688	2685	2705
10°	2679	2699	2733
15°	2660	2711	2769
20°	2636	2724	2808
25°	2610	2726	2835
30°	2572	2716	2826
35°	2530	2691	2796
40°	2474	2637	2727
45°	2406	2564	2624
50°	2324	2462	2483
55°	2243	2329	2317
60°	2112	2158	2105
65°	1947	1954	1845
70°	1741	1703	1548
75°	1513	1411	1195
80°	1212	1099	1099
85°	868	1019	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	3.5
10°-20°	275.4	10.1
20°-30°	422.9	15.4
30°-40°	509.3	18.6
40°-50°	514.7	18.8
50°-60°	439.0	16.0
60°-70°	300.5	11.0
70°-80°	145.0	5.3
80°-90°	37.4	1.4
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°	793.2	29.0
0°-40°	1302.4	47.6
0°-60°	2256.1	82.4
0°-90°	2739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2739.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	995	995	994	1000	1001	94
15°	955	962	973	990	994	269
25°	879	892	918	945	955	405
35°	770	787	819	845	851	481
45°	632	649	674	690	690	487
55°	478	487	496	499	494	426
65°	306	309	307	296	290	303
75°	146	146	136	120	115	154
85°	28	31	33	34	34	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.7	997.7	997.7	997.7	997.7
2.5°	998.9	997.7	994.0	998.9	998.9
5°	995.2	995.2	994.0	1000.1	1001.3
7.5°	987.9	990.3	991.6	998.9	1000.1
10°	980.6	983.0	987.9	997.7	1000.1
12.5°	968.3	973.2	981.8	995.2	997.7
15°	954.9	962.2	973.2	990.3	994.0
17.5°	939.0	948.8	963.4	983.0	989.1
20°	920.6	931.6	951.2	973.2	980.6
22.5°	901.1	913.3	936.5	962.2	969.6
25°	879.1	892.5	918.2	945.1	954.9
27.5°	854.6	869.3	897.4	925.5	934.1
30°	827.7	843.6	874.2	902.3	909.6
32.5°	800.8	816.7	848.5	875.4	884.0
35°	770.3	787.4	819.2	844.8	851.0
37.5°	737.2	754.4	786.2	811.8	814.3
40°	704.2	721.4	750.7	773.9	776.4
42.5°	670.0	685.9	712.8	732.4	734.8
45°	632.1	649.2	673.7	689.6	689.6
47.5°	594.2	611.3	632.1	643.1	643.1
50°	555.1	571.0	588.1	594.2	593.0
52.5°	516.0	530.6	545.3	546.5	544.1
55°	478.1	486.6	496.4	498.8	493.9
57.5°	436.5	443.8	449.9	446.3	442.6
60°	392.5	399.8	401.0	394.9	391.2
62.5°	349.7	355.8	355.8	346.0	339.9
65°	305.7	309.3	306.9	295.9	289.8
67.5°	264.1	266.5	261.6	250.6	240.9
70°	221.3	222.5	216.4	203.0	196.8
72.5°	182.2	183.4	176.1	160.2	152.8
75°	145.5	145.5	135.7	119.8	114.9
77.5°	108.8	112.5	101.5	92.9	92.9
80°	78.2	81.9	70.9	72.1	70.9
82.5°	51.4	55.0	51.4	51.4	51.4
85°	28.1	30.6	33.0	34.2	34.2
87.5°	8.6	14.7	15.9	17.1	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)