

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: P297864

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-26L82765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2523.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

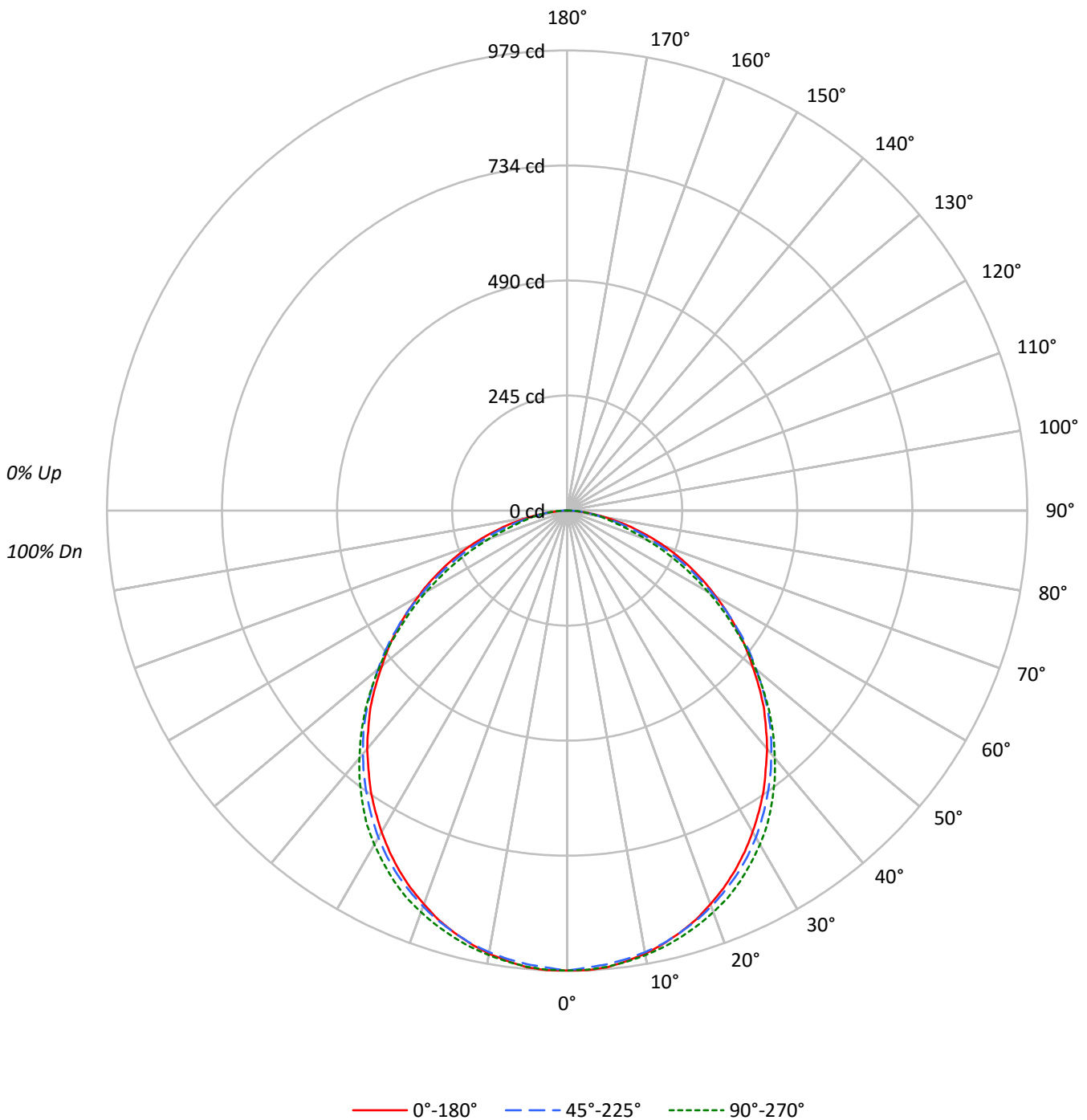
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2633	2633	2633
5°	2635	2618	2632
10°	2616	2607	2624
15°	2589	2589	2616
20°	2551	2566	2603
25°	2509	2537	2585
30°	2453	2496	2549
35°	2393	2438	2494
40°	2325	2374	2416
45°	2251	2300	2320
50°	2153	2198	2189
55°	2072	2087	2032
60°	1969	1940	1865
65°	1859	1784	1662
70°	1725	1582	1405
75°	1535	1357	1156
80°	1277	1111	1077
85°	923	991	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.7
10°-20°	263.1	10.4
20°-30°	394.3	15.6
30°-40°	464.5	18.4
40°-50°	463.3	18.4
50°-60°	394.1	15.6
60°-70°	275.0	10.9
70°-80°	139.8	5.5
80°-90°	36.5	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°	749.7	29.7
0°-40°	1214.2	48.1
0°-60°	2071.6	82.1
0°-90°	2523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	975	973	969	974	974	92
15°	929	929	929	938	939	262
25°	845	846	854	867	871	389
35°	728	729	742	757	759	455
45°	591	594	604	608	610	455
55°	442	442	445	438	433	395
65°	292	288	280	265	261	290
75°	148	142	130	114	111	157
85°	30	31	32	32	32	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.6	978.6	978.6	978.6	978.6
2.5°	978.6	977.5	973.2	977.5	977.5
5°	975.4	973.2	969.0	974.3	974.3
7.5°	966.8	965.8	962.5	967.9	967.9
10°	957.2	956.1	954.0	960.4	960.4
12.5°	944.4	944.4	943.3	949.7	950.8
15°	929.4	929.4	929.4	937.9	939.0
17.5°	912.3	911.2	914.4	924.0	925.1
20°	890.9	892.0	896.2	906.9	909.1
22.5°	869.5	870.6	875.9	888.7	892.0
25°	844.9	846.0	854.5	867.4	870.6
27.5°	818.2	820.3	829.9	843.8	846.0
30°	789.3	791.4	803.2	817.1	820.3
32.5°	759.3	762.5	773.2	788.2	792.5
35°	728.3	729.4	742.2	757.2	759.3
37.5°	694.1	697.3	710.1	723.0	725.1
40°	662.0	664.2	675.9	686.6	687.7
42.5°	625.7	628.9	641.7	649.2	649.2
45°	591.4	593.6	604.3	608.5	609.6
47.5°	552.9	555.1	564.7	566.8	566.8
50°	514.4	519.8	525.1	525.1	523.0
52.5°	479.1	480.2	486.6	482.3	480.2
55°	441.7	441.7	444.9	438.5	433.1
57.5°	404.3	404.3	404.3	395.7	391.4
60°	365.8	364.7	360.4	349.7	346.5
62.5°	329.4	326.2	319.8	309.1	302.7
65°	292.0	287.7	280.2	265.2	261.0
67.5°	256.7	249.2	240.6	226.7	219.2
70°	219.2	212.8	201.1	185.0	178.6
72.5°	182.9	176.5	166.8	150.8	141.2
75°	147.6	142.2	130.5	114.4	111.2
77.5°	113.4	110.2	98.4	90.9	89.8
80°	82.4	81.3	71.7	69.5	69.5
82.5°	54.5	53.5	50.3	50.3	49.2
85°	29.9	31.0	32.1	32.1	32.1
87.5°	10.7	12.8	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)