

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: P297937

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297937
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-26L92765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2421.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

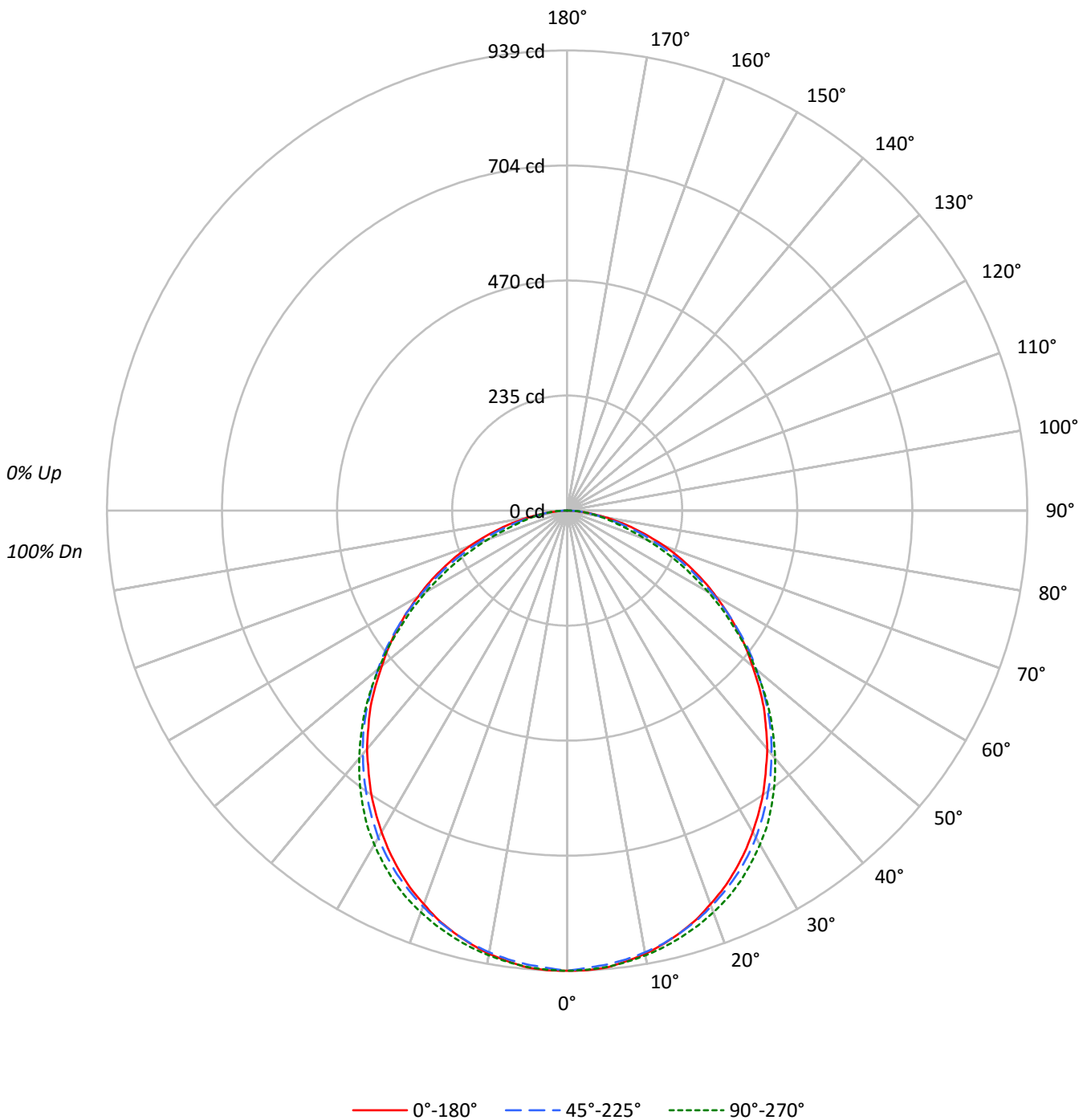
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	31	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°	2527	2527	2527
5°	2528	2512	2525
10°	2510	2501	2518
15°	2484	2484	2510
20°	2448	2463	2498
25°	2407	2435	2480
30°	2353	2395	2446
35°	2296	2340	2394
40°	2232	2278	2318
45°	2160	2206	2226
50°	2066	2110	2101
55°	1988	2003	1950
60°	1889	1861	1790
65°	1784	1712	1594
70°	1655	1518	1349
75°	1472	1302	1109
80°	1224	1066	1034
85°	886	951	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	3.7
10°-20°	252.4	10.4
20°-30°	378.3	15.6
30°-40°	445.7	18.4
40°-50°	444.6	18.4
50°-60°	378.1	15.6
60°-70°	263.9	10.9
70°-80°	134.1	5.5
80°-90°	35.0	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°	719.4	29.7
0°-40°	1165.1	48.1
0°-60°	1987.9	82.1
0°-90°	2421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	936	934	930	935	935	89
15°	892	892	892	900	901	251
25°	811	812	820	832	835	373
35°	699	700	712	727	729	437
45°	568	570	580	584	585	437
55°	424	424	427	421	416	379
65°	280	276	269	254	250	278
75°	142	136	125	110	107	150
85°	29	30	31	31	31	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	939.0	939.0	939.0	939.0	939.0
2.5°	939.0	938.0	933.9	938.0	938.0
5°	935.9	933.9	929.8	934.9	934.9
7.5°	927.7	926.7	923.6	928.8	928.8
10°	918.5	917.5	915.4	921.6	921.6
12.5°	906.2	906.2	905.2	911.3	912.3
15°	891.8	891.8	891.8	900.0	901.1
17.5°	875.4	874.4	877.4	886.7	887.7
20°	854.9	855.9	860.0	870.3	872.3
22.5°	834.3	835.4	840.5	852.8	855.9
25°	810.7	811.8	820.0	832.3	835.4
27.5°	785.1	787.1	796.4	809.7	811.8
30°	757.4	759.4	770.7	784.1	787.1
32.5°	728.6	731.7	742.0	756.3	760.5
35°	698.9	699.9	712.2	726.6	728.6
37.5°	666.0	669.1	681.4	693.7	695.8
40°	635.3	637.3	648.6	658.9	659.9
42.5°	600.4	603.4	615.8	622.9	622.9
45°	567.5	569.6	579.8	583.9	585.0
47.5°	530.6	532.6	541.9	543.9	543.9
50°	493.6	498.8	503.9	503.9	501.8
52.5°	459.8	460.8	466.9	462.8	460.8
55°	423.8	423.8	426.9	420.8	415.6
57.5°	387.9	387.9	387.9	379.7	375.6
60°	351.0	350.0	345.8	335.6	332.5
62.5°	316.1	313.0	306.8	296.6	290.4
65°	280.2	276.1	268.9	254.5	250.4
67.5°	246.3	239.1	230.9	217.6	210.4
70°	210.4	204.2	192.9	177.5	171.4
72.5°	175.5	169.3	160.1	144.7	135.5
75°	141.6	136.5	125.2	109.8	106.7
77.5°	108.8	105.7	94.4	87.2	86.2
80°	79.0	78.0	68.8	66.7	66.7
82.5°	52.3	51.3	48.2	48.2	47.2
85°	28.7	29.8	30.8	30.8	30.8
87.5°	10.3	12.3	14.4	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)