

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: P297658

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297658  
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-26L92765-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: 2345.0 lumens  
Efficiency: N/A  
Efficacy: 96.1 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

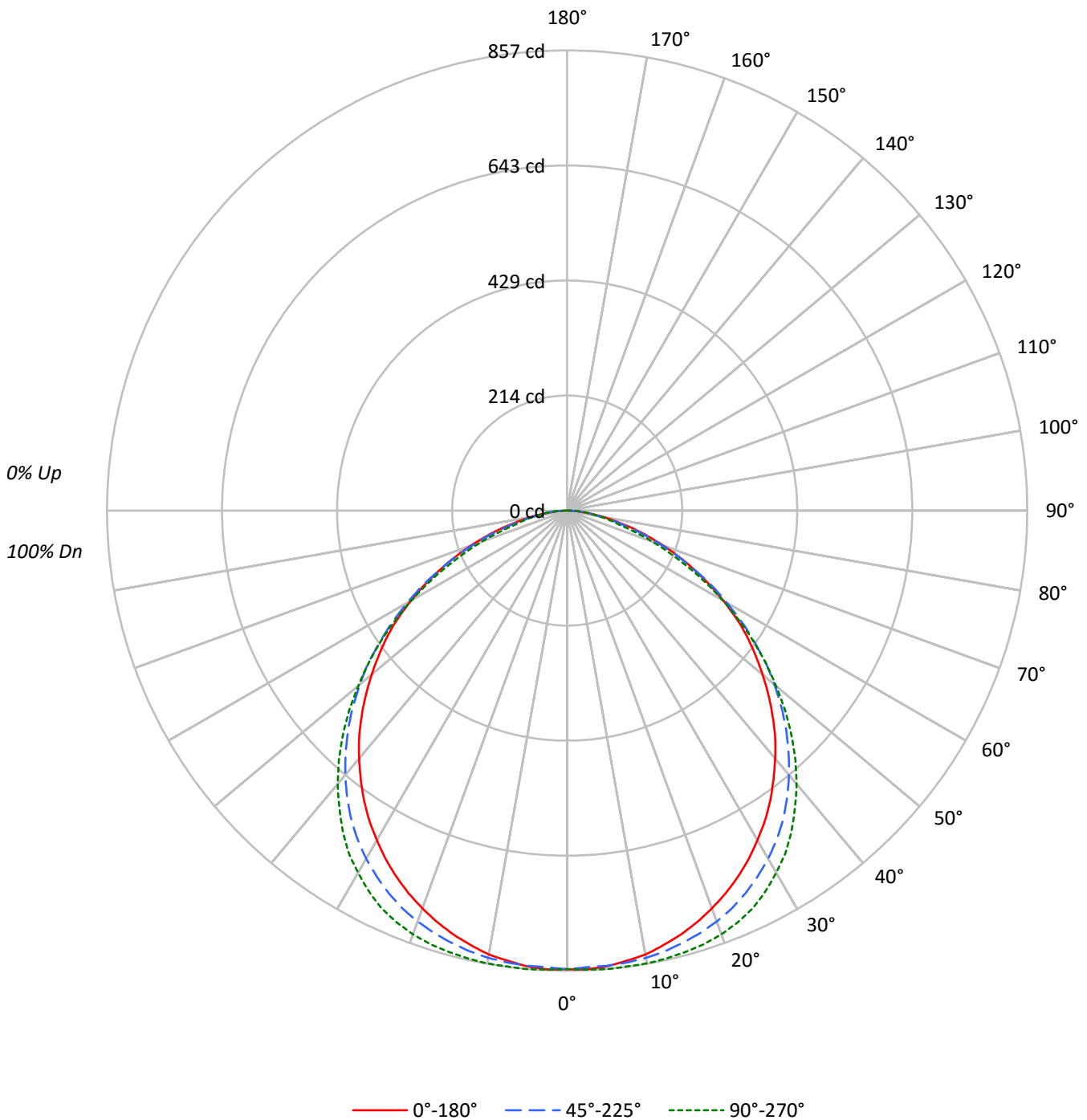
Input Watts (W): 24.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2299	2299	2299
5°	2302	2299	2316
10°	2294	2311	2340
15°	2277	2321	2371
20°	2257	2332	2404
25°	2235	2334	2427
30°	2202	2325	2420
35°	2167	2304	2393
40°	2118	2258	2335
45°	2060	2195	2247
50°	1989	2108	2125
55°	1920	1994	1984
60°	1808	1848	1803
65°	1666	1673	1580
70°	1491	1458	1326
75°	1295	1208	1023
80°	1038	941	941
85°	744	874	905



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.3	3.5
10°-20°	235.8	10.1
20°-30°	362.0	15.4
30°-40°	436.0	18.6
40°-50°	440.6	18.8
50°-60°	375.8	16.0
60°-70°	257.3	11.0
70°-80°	124.2	5.3
80°-90°	32.0	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°	679.1	29.0
0°-40°	1115.1	47.6
0°-60°	1931.6	82.4
0°-90°	2345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	852	852	851	856	857	81
15°	818	824	833	848	851	231
25°	753	764	786	809	818	347
35°	660	674	701	723	728	412
45°	541	556	577	590	590	417
55°	409	417	425	427	423	364
65°	262	265	263	253	248	260
75°	125	125	116	103	98	132
85°	24	26	28	29	29	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	854.2	854.2	854.2	854.2	854.2
2.5°	855.2	854.2	851.0	855.2	855.2
5°	852.1	852.1	851.0	856.3	857.3
7.5°	845.8	847.9	848.9	855.2	856.3
10°	839.5	841.6	845.8	854.2	856.3
12.5°	829.0	833.2	840.5	852.1	854.2
15°	817.5	823.8	833.2	847.9	851.0
17.5°	803.9	812.3	824.8	841.6	846.8
20°	788.2	797.6	814.4	833.2	839.5
22.5°	771.5	781.9	801.8	823.8	830.1
25°	752.6	764.1	786.1	809.1	817.5
27.5°	731.7	744.2	768.3	792.4	799.7
30°	708.7	722.3	748.4	772.5	778.8
32.5°	685.6	699.2	726.5	749.5	756.8
35°	659.5	674.1	701.3	723.3	728.5
37.5°	631.2	645.9	673.1	695.0	697.1
40°	602.9	617.6	642.7	662.6	664.7
42.5°	573.6	587.2	610.3	627.0	629.1
45°	541.2	555.8	576.8	590.4	590.4
47.5°	508.7	523.4	541.2	550.6	550.6
50°	475.2	488.8	503.5	508.7	507.7
52.5°	441.7	454.3	466.9	467.9	465.8
55°	409.3	416.6	425.0	427.1	422.9
57.5°	373.7	380.0	385.2	382.1	378.9
60°	336.0	342.3	343.3	338.1	335.0
62.5°	299.4	304.6	304.6	296.2	291.0
65°	261.7	264.8	262.7	253.3	248.1
67.5°	226.1	228.2	224.0	214.6	206.2
70°	189.5	190.5	185.3	173.8	168.5
72.5°	156.0	157.0	150.7	137.1	130.8
75°	124.6	124.6	116.2	102.6	98.4
77.5°	93.2	96.3	86.9	79.6	79.6
80°	67.0	70.1	60.7	61.8	60.7
82.5°	44.0	47.1	44.0	44.0	44.0
85°	24.1	26.2	28.3	29.3	29.3
87.5°	7.3	12.6	13.6	14.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)