

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: P297589

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297589  
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-26L82765-LD5-UNV-14-T1-W2A-5500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2638.0 lumens  
Efficiency: N/A  
Efficacy: 107.7 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

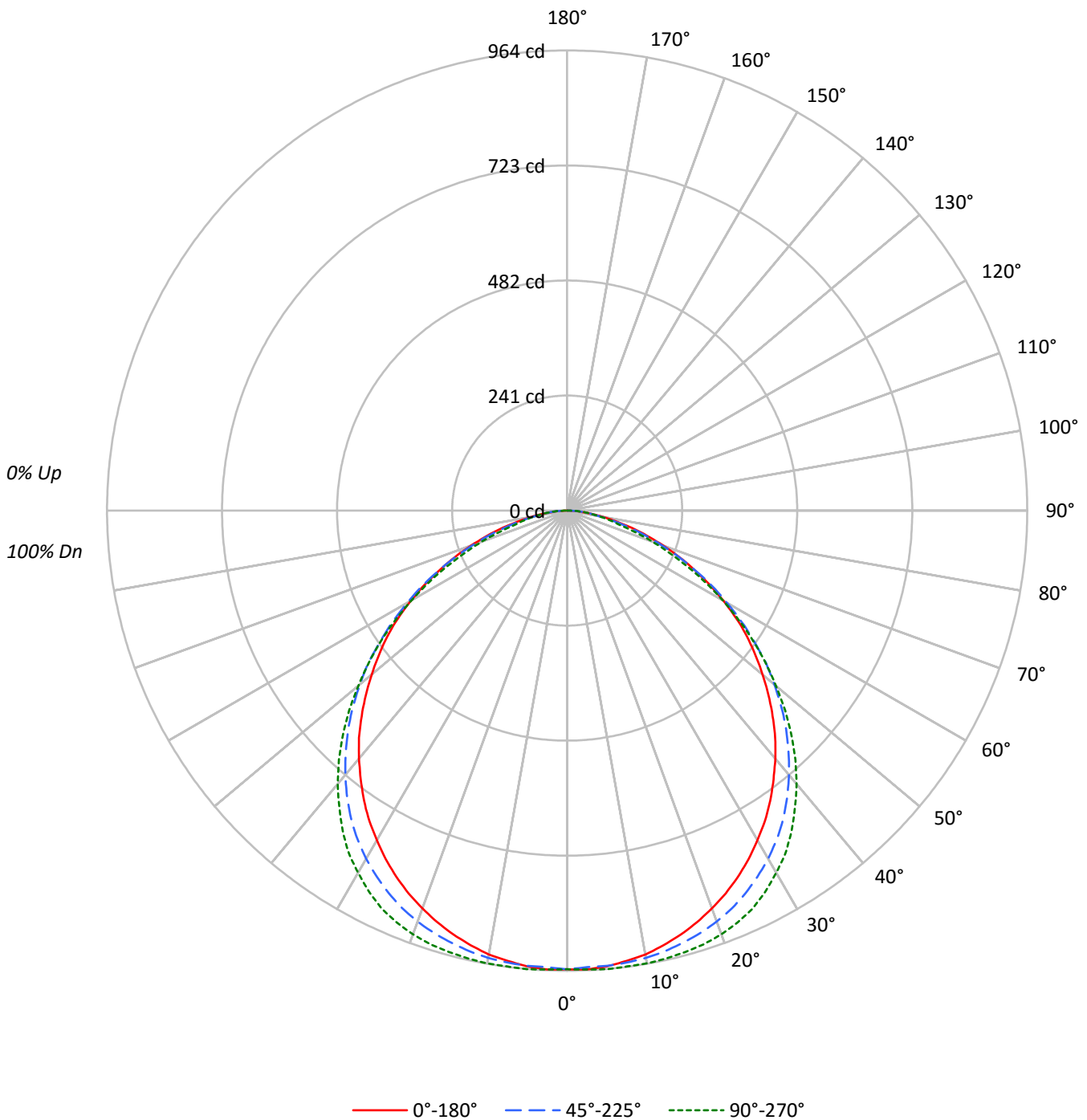
Input Watts (W): 24.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2586	2586	2586
5°	2589	2586	2605
10°	2581	2600	2632
15°	2562	2611	2667
20°	2539	2623	2704
25°	2514	2626	2731
30°	2477	2616	2722
35°	2437	2592	2692
40°	2383	2540	2627
45°	2317	2469	2527
50°	2238	2371	2391
55°	2160	2243	2232
60°	2034	2079	2028
65°	1875	1882	1777
70°	1677	1640	1492
75°	1457	1359	1151
80°	1168	1058	1058
85°	837	982	1019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.4	3.5
10°-20°	265.2	10.1
20°-30°	407.3	15.4
30°-40°	490.5	18.6
40°-50°	495.7	18.8
50°-60°	422.8	16.0
60°-70°	289.4	11.0
70°-80°	139.7	5.3
80°-90°	36.0	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°	763.9	29.0
0°-40°	1254.4	47.6
0°-60°	2172.9	82.4
0°-90°	2638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	961	961	961	961	961	
5°	958	958	957	963	964	91
15°	920	927	937	954	957	259
25°	847	860	884	910	920	390
35°	742	758	789	814	820	464
45°	609	625	649	664	664	469
55°	460	469	478	480	476	410
65°	294	298	296	285	279	292
75°	140	140	131	115	111	149
85°	27	29	32	33	33	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	960.9	960.9	960.9	960.9	960.9
2.5°	962.1	960.9	957.3	962.1	962.1
5°	958.5	958.5	957.3	963.2	964.4
7.5°	951.5	953.8	955.0	962.1	963.2
10°	944.4	946.8	951.5	960.9	963.2
12.5°	932.6	937.3	945.6	958.5	960.9
15°	919.7	926.7	937.3	953.8	957.3
17.5°	904.4	913.8	927.9	946.8	952.6
20°	886.7	897.3	916.1	937.3	944.4
22.5°	867.9	879.6	902.0	926.7	933.8
25°	846.7	859.6	884.3	910.2	919.7
27.5°	823.1	837.2	864.3	891.4	899.6
30°	797.2	812.5	841.9	869.0	876.1
32.5°	771.3	786.6	817.2	843.1	851.4
35°	741.9	758.3	789.0	813.7	819.6
37.5°	710.1	726.5	757.2	781.9	784.2
40°	678.3	694.8	723.0	745.4	747.7
42.5°	645.3	660.6	686.5	705.4	707.7
45°	608.8	625.3	648.8	664.1	664.1
47.5°	572.3	588.8	608.8	619.4	619.4
50°	534.6	549.9	566.4	572.3	571.1
52.5°	496.9	511.1	525.2	526.4	524.0
55°	460.4	468.7	478.1	480.4	475.7
57.5°	420.4	427.5	433.3	429.8	426.3
60°	378.0	385.1	386.2	380.3	376.8
62.5°	336.8	342.7	342.7	333.2	327.4
65°	294.4	297.9	295.6	285.0	279.1
67.5°	254.4	256.7	252.0	241.4	232.0
70°	213.1	214.3	208.4	195.5	189.6
72.5°	175.5	176.6	169.6	154.3	147.2
75°	140.1	140.1	130.7	115.4	110.7
77.5°	104.8	108.3	97.7	89.5	89.5
80°	75.4	78.9	68.3	69.5	68.3
82.5°	49.5	53.0	49.5	49.5	49.5
85°	27.1	29.4	31.8	33.0	33.0
87.5°	8.2	14.1	15.3	16.5	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)