

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: P297585

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297585  
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-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2478.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

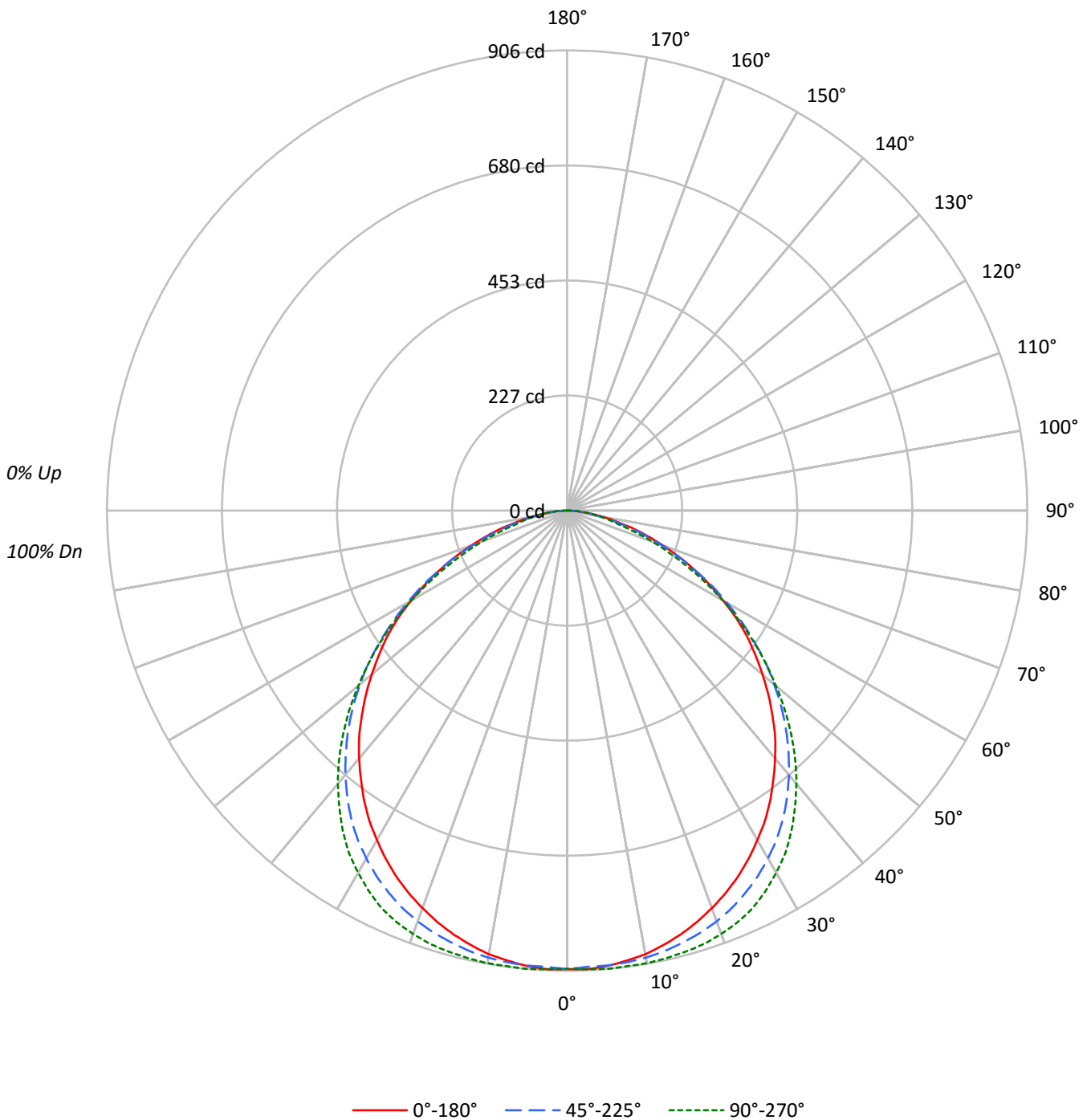
Input Watts (W): 23.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2429	2429	2429
5°	2432	2429	2447
10°	2424	2442	2472
15°	2407	2453	2505
20°	2385	2464	2540
25°	2361	2466	2565
30°	2327	2458	2557
35°	2289	2435	2529
40°	2238	2386	2467
45°	2176	2320	2374
50°	2102	2227	2246
55°	2029	2107	2097
60°	1911	1953	1905
65°	1761	1768	1670
70°	1575	1541	1401
75°	1368	1277	1081
80°	1097	995	995
85°	784	923	957



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.9	3.5
10°-20°	249.2	10.1
20°-30°	382.6	15.4
30°-40°	460.8	18.6
40°-50°	465.6	18.8
50°-60°	397.2	16.0
60°-70°	271.9	11.0
70°-80°	131.2	5.3
80°-90°	33.8	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°	717.6	29.0
0°-40°	1178.3	47.6
0°-60°	2041.1	82.4
0°-90°	2478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	903	903	903	903	903	
5°	900	900	899	905	906	85
15°	864	870	880	896	899	244
25°	795	808	831	855	864	366
35°	697	712	741	764	770	435
45°	572	587	610	624	624	441
55°	432	440	449	451	447	385
65°	276	280	278	268	262	274
75°	132	132	123	108	104	140
85°	25	28	30	31	31	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	902.6	902.6	902.6	902.6	902.6
2.5°	903.7	902.6	899.3	903.7	903.7
5°	900.4	900.4	899.3	904.8	905.9
7.5°	893.8	896.0	897.1	903.7	904.8
10°	887.1	889.3	893.8	902.6	904.8
12.5°	876.1	880.5	888.2	900.4	902.6
15°	863.9	870.5	880.5	896.0	899.3
17.5°	849.5	858.4	871.6	889.3	894.9
20°	832.9	842.9	860.6	880.5	887.1
22.5°	815.2	826.3	847.3	870.5	877.2
25°	795.3	807.5	830.7	855.0	863.9
27.5°	773.2	786.5	811.9	837.3	845.1
30°	748.9	763.2	790.9	816.3	823.0
32.5°	724.5	738.9	767.7	792.0	799.7
35°	696.9	712.3	741.1	764.3	769.9
37.5°	667.0	682.5	711.2	734.5	736.7
40°	637.1	652.6	679.2	700.2	702.4
42.5°	606.2	620.5	644.9	662.6	664.8
45°	571.9	587.4	609.5	623.9	623.9
47.5°	537.6	553.1	571.9	581.8	581.8
50°	502.2	516.6	532.0	537.6	536.5
52.5°	466.8	480.1	493.3	494.4	492.2
55°	432.5	440.2	449.1	451.3	446.9
57.5°	394.9	401.5	407.1	403.7	400.4
60°	355.1	361.7	362.8	357.3	354.0
62.5°	316.4	321.9	321.9	313.0	307.5
65°	276.5	279.9	277.6	267.7	262.2
67.5°	238.9	241.1	236.7	226.8	217.9
70°	200.2	201.3	195.8	183.6	178.1
72.5°	164.8	165.9	159.3	144.9	138.3
75°	131.6	131.6	122.8	108.4	104.0
77.5°	98.4	101.8	91.8	84.1	84.1
80°	70.8	74.1	64.2	65.3	64.2
82.5°	46.5	49.8	46.5	46.5	46.5
85°	25.4	27.7	29.9	31.0	31.0
87.5°	7.7	13.3	14.4	15.5	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)