

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: P297584

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297584  
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-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2395.0 lumens  
Efficiency: N/A  
Efficacy: 101.5 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

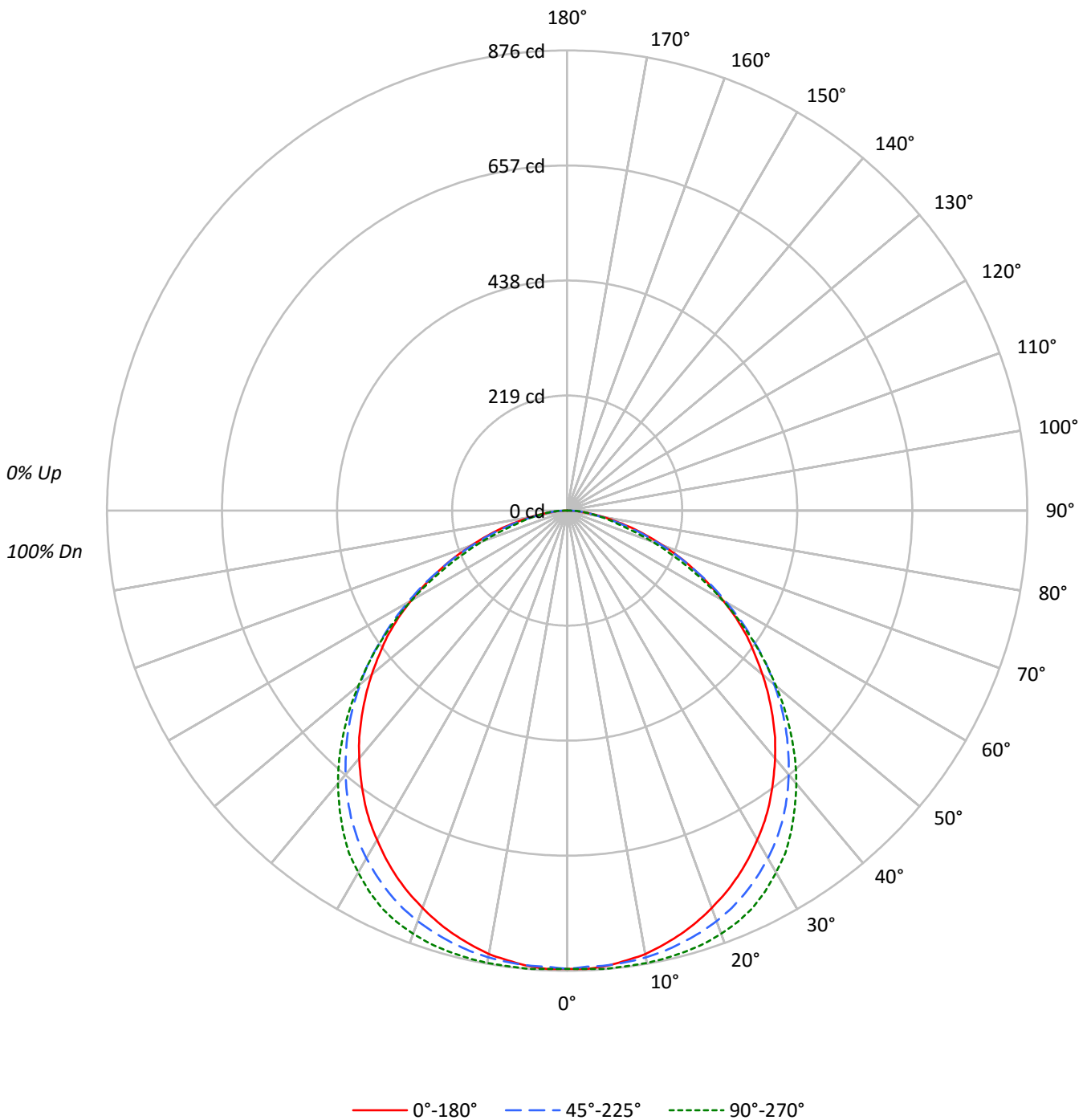
Input Watts (W): 23.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2348	2348	2348
5°	2351	2348	2365
10°	2343	2360	2390
15°	2326	2371	2422
20°	2305	2382	2455
25°	2282	2384	2479
30°	2249	2375	2472
35°	2213	2353	2444
40°	2163	2306	2385
45°	2103	2242	2295
50°	2032	2153	2171
55°	1961	2036	2026
60°	1847	1887	1841
65°	1702	1708	1613
70°	1522	1489	1354
75°	1323	1234	1045
80°	1060	961	961
85°	760	892	923



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.0	3.5
10°-20°	240.8	10.1
20°-30°	369.8	15.4
30°-40°	445.3	18.6
40°-50°	450.0	18.8
50°-60°	383.9	16.0
60°-70°	262.8	11.0
70°-80°	126.8	5.3
80°-90°	32.7	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°	693.6	29.0
0°-40°	1138.9	47.6
0°-60°	1972.8	82.4
0°-90°	2395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	870	870	869	874	876	83
15°	835	841	851	866	869	236
25°	769	780	803	826	835	354
35°	674	688	716	739	744	421
45°	553	568	589	603	603	426
55°	418	426	434	436	432	372
65°	267	270	268	259	253	265
75°	127	127	119	105	100	135
85°	25	27	29	30	30	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	872.4	872.4	872.4	872.4	872.4
2.5°	873.4	872.4	869.2	873.4	873.4
5°	870.2	870.2	869.2	874.5	875.6
7.5°	863.8	866.0	867.0	873.4	874.5
10°	857.4	859.5	863.8	872.4	874.5
12.5°	846.7	851.0	858.5	870.2	872.4
15°	835.0	841.4	851.0	866.0	869.2
17.5°	821.1	829.6	842.4	859.5	864.9
20°	805.0	814.6	831.7	851.0	857.4
22.5°	787.9	798.6	818.9	841.4	847.8
25°	768.7	780.4	802.9	826.4	835.0
27.5°	747.3	760.1	784.7	809.3	816.8
30°	723.8	737.7	764.4	789.0	795.4
32.5°	700.2	714.1	741.9	765.5	772.9
35°	673.5	688.5	716.3	738.7	744.1
37.5°	644.7	659.6	687.4	709.9	712.0
40°	615.8	630.8	656.4	676.7	678.9
42.5°	585.9	599.8	623.3	640.4	642.5
45°	552.7	567.7	589.1	603.0	603.0
47.5°	519.6	534.5	552.7	562.3	562.3
50°	485.4	499.3	514.2	519.6	518.5
52.5°	451.2	464.0	476.8	477.9	475.7
55°	418.0	425.5	434.0	436.2	431.9
57.5°	381.7	388.1	393.4	390.2	387.0
60°	343.2	349.6	350.7	345.3	342.1
62.5°	305.8	311.1	311.1	302.5	297.2
65°	267.3	270.5	268.3	258.7	253.4
67.5°	230.9	233.1	228.8	219.2	210.6
70°	193.5	194.6	189.2	177.5	172.1
72.5°	159.3	160.4	153.9	140.0	133.6
75°	127.2	127.2	118.7	104.8	100.5
77.5°	95.1	98.4	88.7	81.3	81.3
80°	68.4	71.6	62.0	63.1	62.0
82.5°	44.9	48.1	44.9	44.9	44.9
85°	24.6	26.7	28.9	29.9	29.9
87.5°	7.5	12.8	13.9	15.0	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)