

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: P297941

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297941  
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-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2536.1 lumens  
Efficiency: N/A  
Efficacy: 101.9 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

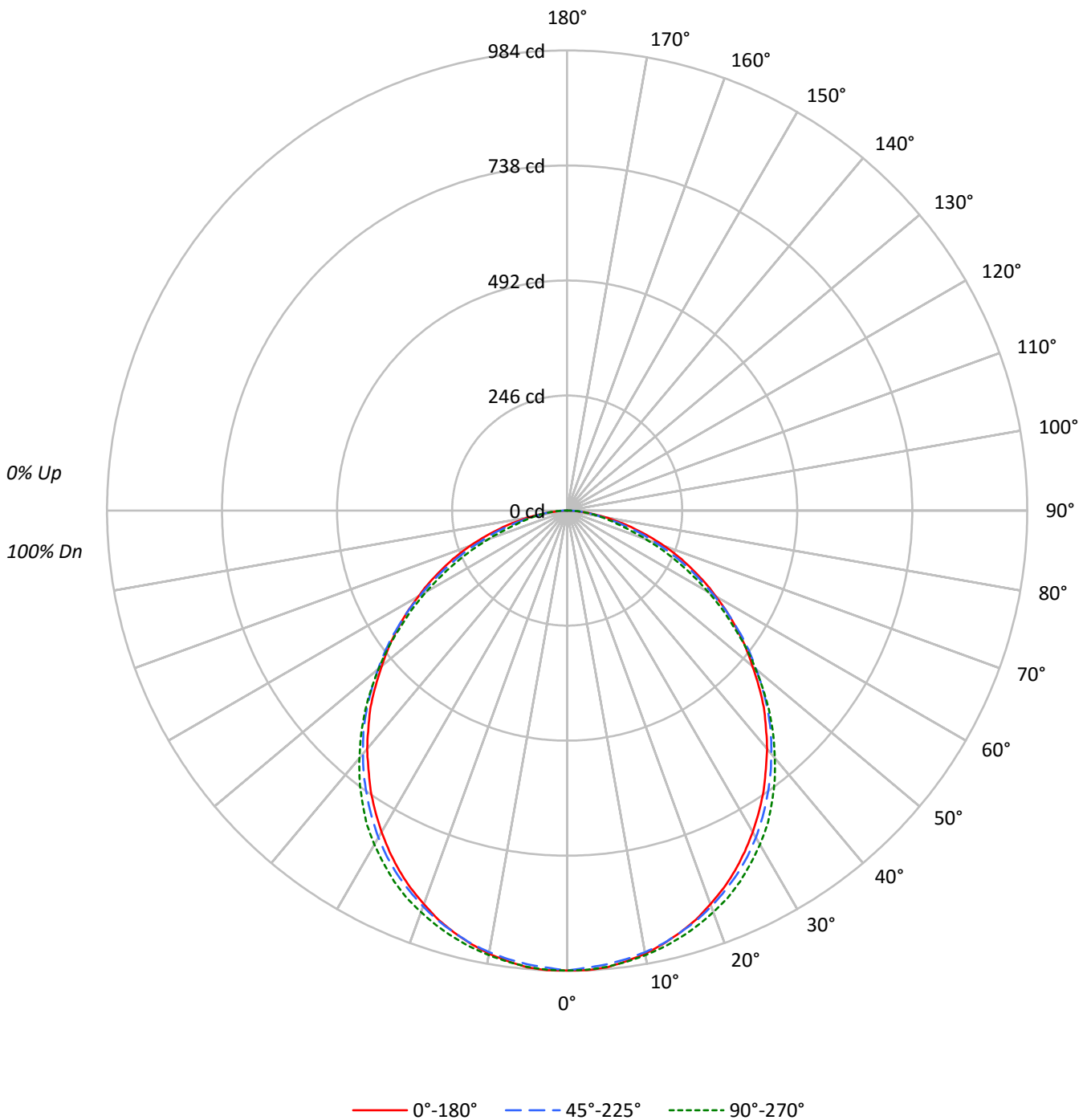
Input Watts (W): 24.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2647	2647	2647
5°	2648	2631	2645
10°	2629	2620	2638
15°	2603	2603	2630
20°	2564	2580	2617
25°	2522	2550	2598
30°	2465	2509	2562
35°	2405	2451	2508
40°	2337	2387	2428
45°	2262	2312	2332
50°	2165	2210	2201
55°	2083	2098	2043
60°	1979	1950	1875
65°	1869	1794	1670
70°	1734	1590	1412
75°	1543	1364	1162
80°	1283	1116	1083
85°	929	997	997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.7
10°-20°	264.4	10.4
20°-30°	396.3	15.6
30°-40°	466.9	18.4
40°-50°	465.7	18.4
50°-60°	396.1	15.6
60°-70°	276.5	10.9
70°-80°	140.5	5.5
80°-90°	36.7	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°	753.6	29.7
0°-40°	1220.5	48.1
0°-60°	2082.3	82.1
0°-90°	2536.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2536.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	980	978	974	979	979	93
15°	934	934	934	943	944	263
25°	849	850	859	872	875	391
35°	732	733	746	761	763	457
45°	594	597	607	612	613	457
55°	444	444	447	441	435	397
65°	294	289	282	267	262	291
75°	148	143	131	115	112	158
85°	30	31	32	32	32	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	983.6	983.6	983.6	983.6	983.6
2.5°	983.6	982.6	978.3	982.6	982.6
5°	980.4	978.3	974.0	979.3	979.3
7.5°	971.8	970.7	967.5	972.9	972.9
10°	962.1	961.1	958.9	965.4	965.4
12.5°	949.2	949.2	948.2	954.6	955.7
15°	934.2	934.2	934.2	942.8	943.9
17.5°	917.0	915.9	919.1	928.8	929.9
20°	895.5	896.6	900.9	911.6	913.8
22.5°	874.0	875.1	880.4	893.3	896.6
25°	849.3	850.3	858.9	871.8	875.1
27.5°	822.4	824.5	834.2	848.2	850.3
30°	793.4	795.5	807.3	821.3	824.5
32.5°	763.3	766.5	777.2	792.3	796.6
35°	732.1	733.2	746.1	761.1	763.3
37.5°	697.7	700.9	713.8	726.7	728.9
40°	665.4	667.6	679.4	690.2	691.2
42.5°	628.9	632.1	645.0	652.5	652.5
45°	594.5	596.6	607.4	611.7	612.8
47.5°	555.8	557.9	567.6	569.8	569.8
50°	517.1	522.5	527.8	527.8	525.7
52.5°	481.6	482.7	489.1	484.8	482.7
55°	444.0	444.0	447.2	440.8	435.4
57.5°	406.4	406.4	406.4	397.8	393.5
60°	367.7	366.6	362.3	351.5	348.3
62.5°	331.1	327.9	321.4	310.7	304.2
65°	293.5	289.2	281.7	266.6	262.3
67.5°	258.0	250.5	241.9	227.9	220.4
70°	220.4	213.9	202.1	186.0	179.5
72.5°	183.8	177.4	167.7	151.6	141.9
75°	148.4	143.0	131.2	115.0	111.8
77.5°	114.0	110.7	98.9	91.4	90.3
80°	82.8	81.7	72.0	69.9	69.9
82.5°	54.8	53.8	50.5	50.5	49.5
85°	30.1	31.2	32.3	32.3	32.3
87.5°	10.8	12.9	15.1	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)