

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: P297871

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297871  
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-26L82765-LD5-UNV-14-T1-W2A-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2793.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 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

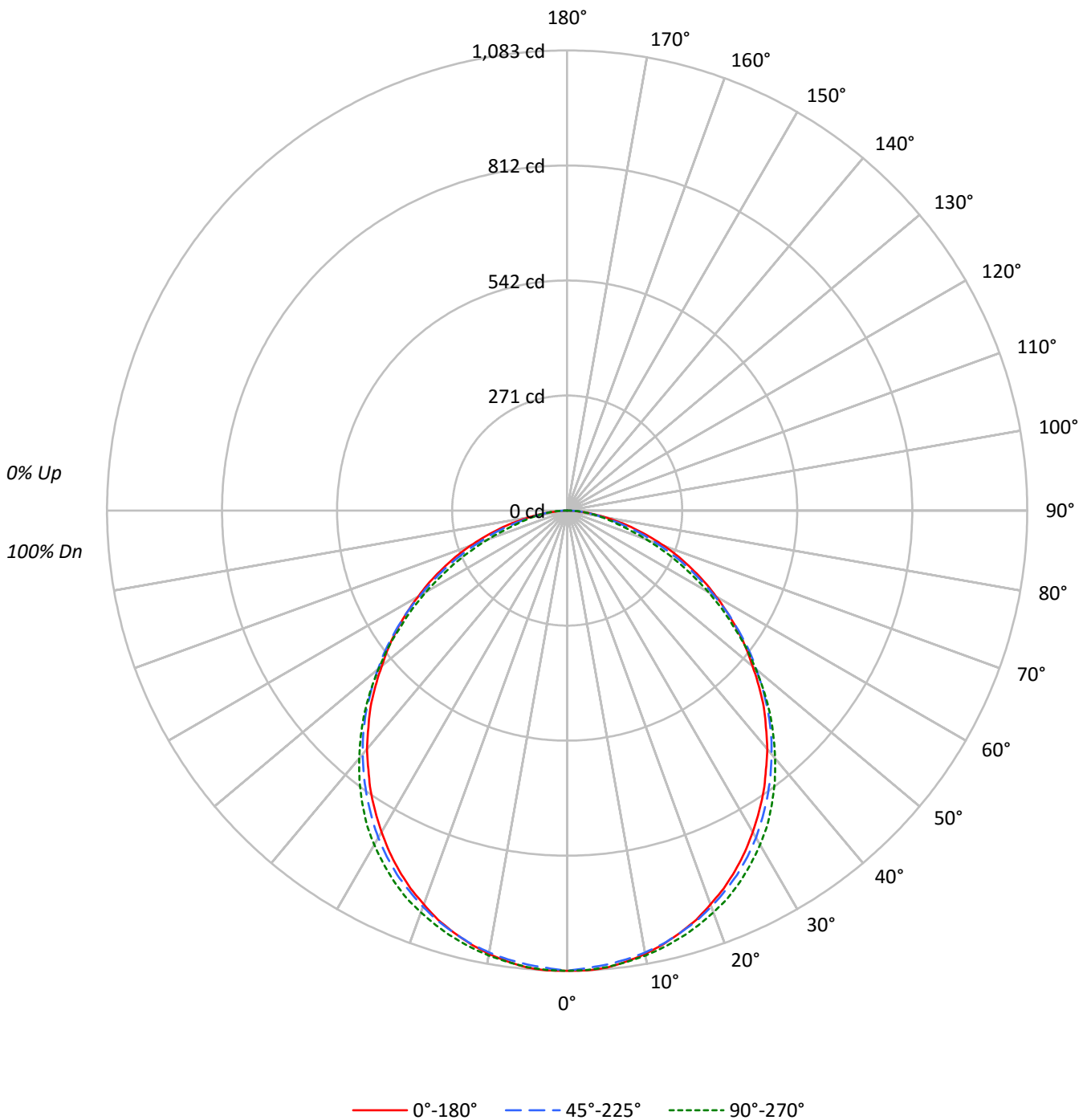
Input Watts (W): 24.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2915	2915	2915
5°	2917	2898	2914
10°	2895	2886	2905
15°	2866	2866	2896
20°	2824	2841	2882
25°	2777	2809	2861
30°	2715	2763	2822
35°	2649	2699	2761
40°	2575	2629	2674
45°	2492	2546	2568
50°	2384	2434	2424
55°	2294	2311	2250
60°	2179	2147	2065
65°	2058	1975	1840
70°	1910	1751	1555
75°	1699	1501	1280
80°	1413	1229	1193
85°	1025	1096	1096



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.2	3.7
10°-20°	291.2	10.4
20°-30°	436.5	15.6
30°-40°	514.2	18.4
40°-50°	512.9	18.4
50°-60°	436.3	15.6
60°-70°	304.5	10.9
70°-80°	154.8	5.5
80°-90°	40.4	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°	829.9	29.7
0°-40°	1344.2	48.1
0°-60°	2293.3	82.1
0°-90°	2793.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2793.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	1080	1077	1073	1079	1079	102
15°	1029	1029	1029	1038	1040	290
25°	935	936	946	960	964	430
35°	806	807	822	838	841	504
45°	655	657	669	674	675	504
55°	489	489	492	485	480	437
65°	323	318	310	294	289	321
75°	163	158	144	127	123	174
85°	33	34	36	36	36	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1083.3	1083.3	1083.3	1083.3	1083.3
2.5°	1083.3	1082.1	1077.4	1082.1	1082.1
5°	1079.8	1077.4	1072.7	1078.6	1078.6
7.5°	1070.3	1069.1	1065.5	1071.5	1071.5
10°	1059.6	1058.4	1056.1	1063.2	1063.2
12.5°	1045.4	1045.4	1044.2	1051.3	1052.5
15°	1028.8	1028.8	1028.8	1038.3	1039.5
17.5°	1009.9	1008.7	1012.3	1022.9	1024.1
20°	986.2	987.4	992.1	1004.0	1006.4
22.5°	962.5	963.7	969.6	983.9	987.4
25°	935.3	936.5	946.0	960.2	963.7
27.5°	905.7	908.1	918.7	934.1	936.5
30°	873.7	876.1	889.1	904.5	908.1
32.5°	840.6	844.2	856.0	872.6	877.3
35°	806.3	807.4	821.7	838.2	840.6
37.5°	768.4	771.9	786.1	800.3	802.7
40°	732.9	735.2	748.3	760.1	761.3
42.5°	692.6	696.2	710.4	718.7	718.7
45°	654.7	657.1	668.9	673.7	674.8
47.5°	612.1	614.5	625.1	627.5	627.5
50°	569.5	575.4	581.3	581.3	578.9
52.5°	530.4	531.6	538.7	534.0	531.6
55°	489.0	489.0	492.5	485.4	479.5
57.5°	447.5	447.5	447.5	438.1	433.3
60°	404.9	403.7	399.0	387.1	383.6
62.5°	364.7	361.1	354.0	342.2	335.1
65°	323.2	318.5	310.2	293.6	288.9
67.5°	284.1	275.9	266.4	251.0	242.7
70°	242.7	235.6	222.6	204.8	197.7
72.5°	202.5	195.4	184.7	166.9	156.3
75°	163.4	157.5	144.4	126.7	123.1
77.5°	125.5	121.9	108.9	100.6	99.5
80°	91.2	90.0	79.3	77.0	77.0
82.5°	60.4	59.2	55.6	55.6	54.5
85°	33.2	34.3	35.5	35.5	35.5
87.5°	11.8	14.2	16.6	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)