

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: P297837

Luminaire Tested: **D3X-WO-26L83050-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297837  
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-26L83050-LD5-UNV-14-T1-W2A-4500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2832.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 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

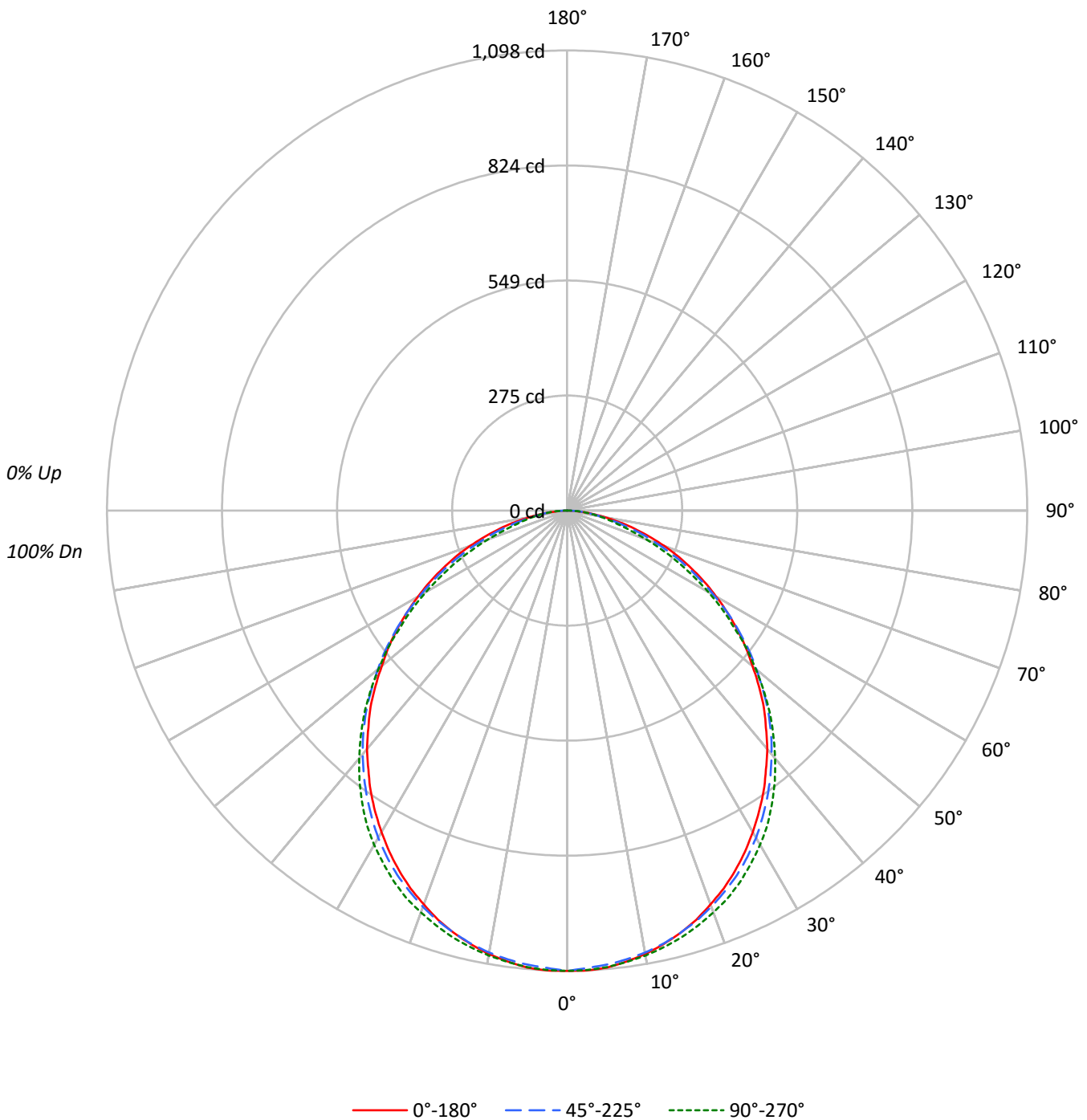
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	2956	2956	2956
5°	2957	2938	2954
10°	2936	2926	2946
15°	2906	2906	2936
20°	2864	2881	2922
25°	2816	2848	2901
30°	2753	2802	2861
35°	2686	2737	2800
40°	2610	2665	2712
45°	2527	2581	2604
50°	2417	2467	2457
55°	2326	2343	2281
60°	2210	2178	2094
65°	2087	2003	1865
70°	1936	1776	1578
75°	1723	1523	1298
80°	1432	1246	1209
85°	1037	1112	1112



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	3.7
10°-20°	295.3	10.4
20°-30°	442.6	15.6
30°-40°	521.4	18.4
40°-50°	520.1	18.4
50°-60°	442.4	15.6
60°-70°	308.7	10.9
70°-80°	156.9	5.5
80°-90°	41.0	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°	841.5	29.7
0°-40°	1362.9	48.1
0°-60°	2325.4	82.1
0°-90°	2832.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2832.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1095	1092	1088	1094	1094	104
15°	1043	1043	1043	1053	1054	294
25°	948	950	959	974	977	437
35°	818	819	833	850	852	511
45°	664	666	678	683	684	511
55°	496	496	499	492	486	443
65°	328	323	314	298	293	325
75°	166	160	146	128	125	176
85°	34	35	36	36	36	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1098.4	1098.4	1098.4	1098.4	1098.4
2.5°	1098.4	1097.2	1092.4	1097.2	1097.2
5°	1094.8	1092.4	1087.6	1093.6	1093.6
7.5°	1085.2	1084.0	1080.4	1086.4	1086.4
10°	1074.4	1073.2	1070.8	1078.0	1078.0
12.5°	1060.0	1060.0	1058.8	1066.0	1067.2
15°	1043.2	1043.2	1043.2	1052.8	1054.0
17.5°	1024.0	1022.8	1026.4	1037.2	1038.4
20°	1000.0	1001.2	1006.0	1018.0	1020.4
22.5°	976.0	977.2	983.2	997.6	1001.2
25°	948.4	949.6	959.2	973.6	977.2
27.5°	918.4	920.8	931.6	947.2	949.6
30°	886.0	888.4	901.6	917.2	920.8
32.5°	852.3	855.9	867.9	884.8	889.6
35°	817.5	818.7	833.1	849.9	852.3
37.5°	779.1	782.7	797.1	811.5	813.9
40°	743.1	745.5	758.7	770.7	771.9
42.5°	702.3	705.9	720.3	728.7	728.7
45°	663.9	666.3	678.3	683.1	684.3
47.5°	620.6	623.0	633.9	636.3	636.3
50°	577.4	583.4	589.4	589.4	587.0
52.5°	537.8	539.0	546.2	541.4	539.0
55°	495.8	495.8	499.4	492.2	486.2
57.5°	453.8	453.8	453.8	444.2	439.4
60°	410.6	409.4	404.6	392.6	389.0
62.5°	369.7	366.1	358.9	346.9	339.7
65°	327.7	322.9	314.5	297.7	292.9
67.5°	288.1	279.7	270.1	254.5	246.1
70°	246.1	238.9	225.7	207.7	200.5
72.5°	205.3	198.1	187.3	169.3	158.5
75°	165.7	159.7	146.5	128.5	124.8
77.5°	127.3	123.6	110.4	102.0	100.8
80°	92.4	91.2	80.4	78.0	78.0
82.5°	61.2	60.0	56.4	56.4	55.2
85°	33.6	34.8	36.0	36.0	36.0
87.5°	12.0	14.4	16.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)