

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: P297948

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297948  
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-31L92765-LD5-UNV-14-T1-W2A-5500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2929.0 lumens  
Efficiency: N/A  
Efficacy: 100.7 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

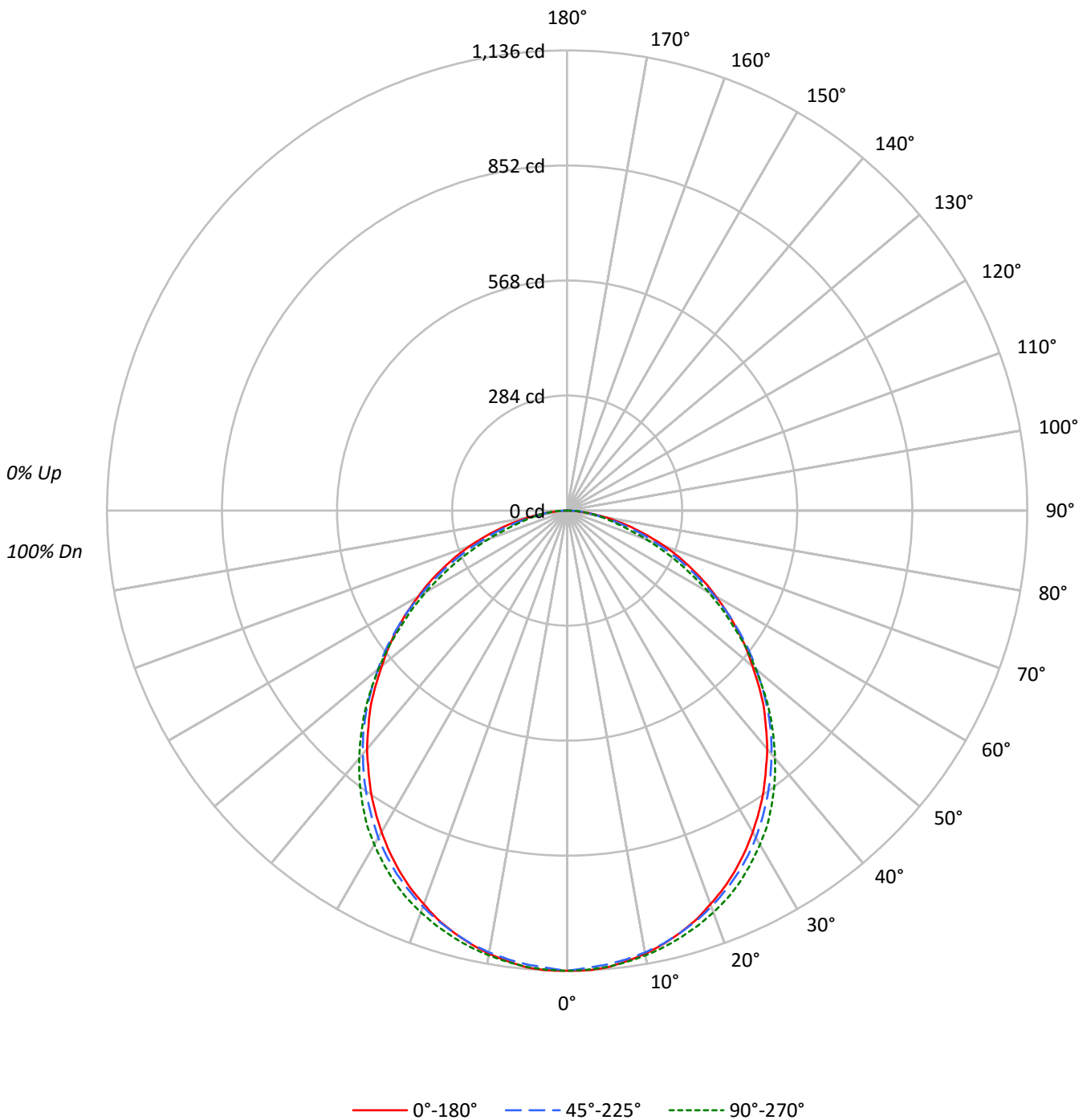
Input Watts (W): 29.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	30		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°	3057	3057	3057
5°	3059	3039	3055
10°	3036	3026	3047
15°	3006	3006	3037
20°	2962	2980	3022
25°	2912	2945	3001
30°	2847	2897	2959
35°	2778	2831	2896
40°	2700	2757	2804
45°	2613	2670	2693
50°	2500	2552	2542
55°	2406	2423	2359
60°	2285	2252	2165
65°	2159	2071	1929
70°	2002	1836	1631
75°	1781	1575	1342
80°	1481	1289	1251
85°	1074	1149	1149



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	3.7
10°-20°	305.4	10.4
20°-30°	457.7	15.6
30°-40°	539.3	18.4
40°-50°	537.9	18.4
50°-60°	457.5	15.6
60°-70°	319.3	10.9
70°-80°	162.3	5.5
80°-90°	42.4	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°	870.3	29.7
0°-40°	1409.6	48.1
0°-60°	2405.0	82.1
0°-90°	2929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1136	1136	1136	1136	1136	
5°	1132	1130	1125	1131	1131	107
15°	1079	1079	1079	1089	1090	304
25°	981	982	992	1007	1011	451
35°	846	847	862	879	882	528
45°	687	689	702	706	708	528
55°	513	513	516	509	503	458
65°	339	334	325	308	303	336
75°	171	165	152	133	129	182
85°	35	36	37	37	37	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1136.1	1136.1	1136.1	1136.1	1136.1
2.5°	1136.1	1134.8	1129.8	1134.8	1134.8
5°	1132.3	1129.8	1124.9	1131.1	1131.1
7.5°	1122.4	1121.2	1117.4	1123.6	1123.6
10°	1111.2	1110.0	1107.5	1115.0	1115.0
12.5°	1096.3	1096.3	1095.1	1102.5	1103.8
15°	1078.9	1078.9	1078.9	1088.9	1090.1
17.5°	1059.1	1057.8	1061.6	1072.7	1074.0
20°	1034.2	1035.5	1040.5	1052.9	1055.4
22.5°	1009.4	1010.7	1016.9	1031.8	1035.5
25°	980.9	982.1	992.0	1006.9	1010.7
27.5°	949.8	952.3	963.5	979.6	982.1
30°	916.3	918.8	932.4	948.6	952.3
32.5°	881.5	885.3	897.7	915.1	920.0
35°	845.5	846.8	861.7	879.0	881.5
37.5°	805.8	809.5	824.4	839.3	841.8
40°	768.5	771.0	784.7	797.1	798.3
42.5°	726.3	730.1	745.0	753.6	753.6
45°	686.6	689.1	701.5	706.5	707.7
47.5°	641.9	644.4	655.6	658.0	658.0
50°	597.2	603.4	609.6	609.6	607.1
52.5°	556.2	557.5	564.9	560.0	557.5
55°	512.8	512.8	516.5	509.1	502.8
57.5°	469.3	469.3	469.3	459.4	454.4
60°	424.6	423.4	418.4	406.0	402.3
62.5°	382.4	378.7	371.2	358.8	351.4
65°	339.0	334.0	325.3	307.9	302.9
67.5°	298.0	289.3	279.4	263.2	254.5
70°	254.5	247.1	233.4	214.8	207.3
72.5°	212.3	204.9	193.7	175.1	163.9
75°	171.3	165.1	151.5	132.9	129.1
77.5°	131.6	127.9	114.2	105.5	104.3
80°	95.6	94.4	83.2	80.7	80.7
82.5°	63.3	62.1	58.4	58.4	57.1
85°	34.8	36.0	37.2	37.2	37.2
87.5°	12.4	14.9	17.4	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)