

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: P298468

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-44L92765-LD5-UNV-22-T1-W2A-4500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3973.0 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

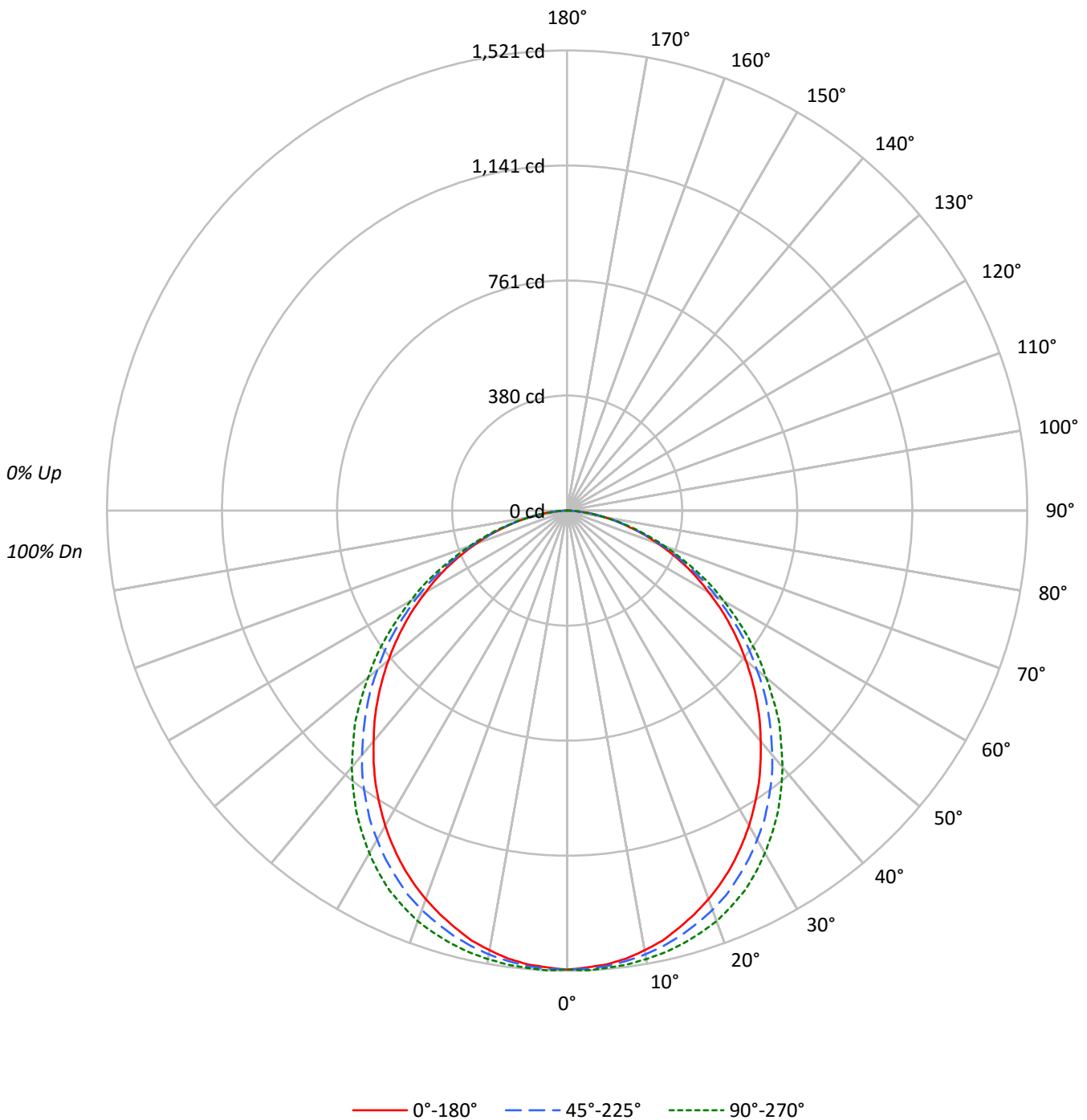
Input Watts (W): 36.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

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

	0°	45°	90°
0°	4083	4083	4083
5°	4066	4082	4099
10°	4032	4070	4113
15°	3979	4051	4128
20°	3914	4022	4135
25°	3835	3970	4117
30°	3737	3903	4063
35°	3626	3815	3990
40°	3495	3704	3892
45°	3373	3576	3772
50°	3230	3429	3594
55°	3081	3267	3424
60°	2906	3077	3215
65°	2746	2847	2985
70°	2522	2600	2692
75°	2242	2304	2365
80°	1931	1900	1900
85°	1467	1343	1223



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.5	3.6
10°-20°	410.2	10.3
20°-30°	615.9	15.5
30°-40°	724.9	18.2
40°-50°	723.1	18.2
50°-60°	620.5	15.6
60°-70°	444.4	11.2
70°-80°	235.4	5.9
80°-90°	55.0	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°	1169.7	29.4
0°-40°	1894.7	47.7
0°-60°	3238.2	81.5
0°-90°	3973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3973.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1505	1505	1511	1515	1517	143
15°	1428	1434	1454	1474	1482	403
25°	1292	1304	1337	1371	1387	594
35°	1104	1118	1161	1201	1215	689
45°	886	900	940	973	991	683
55°	657	667	696	720	730	587
65°	431	433	447	465	469	426
75°	216	216	222	226	228	231
85°	48	46	44	40	40	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1517.3	1517.3	1517.3	1517.3	1517.3
2.5°	1511.3	1511.3	1515.3	1519.2	1521.2
5°	1505.4	1505.4	1511.3	1515.3	1517.3
7.5°	1493.5	1493.5	1501.4	1509.3	1513.3
10°	1475.7	1479.7	1489.6	1501.4	1505.4
12.5°	1455.9	1459.9	1473.7	1489.6	1495.5
15°	1428.2	1434.2	1454.0	1473.7	1481.6
17.5°	1398.6	1406.5	1430.2	1454.0	1463.8
20°	1366.9	1374.8	1404.5	1432.2	1444.1
22.5°	1331.3	1341.2	1374.8	1404.5	1416.4
25°	1291.7	1303.6	1337.2	1370.9	1386.7
27.5°	1248.2	1262.1	1299.7	1335.3	1349.1
30°	1202.7	1218.5	1256.1	1293.7	1307.6
32.5°	1153.3	1167.1	1212.6	1248.2	1262.1
35°	1103.8	1117.7	1161.2	1200.7	1214.6
37.5°	1050.4	1068.2	1111.7	1147.3	1161.2
40°	995.0	1012.8	1054.4	1095.9	1107.8
42.5°	941.6	957.4	997.0	1034.6	1046.4
45°	886.2	900.1	939.6	973.3	991.1
47.5°	828.9	842.7	882.3	913.9	923.8
50°	771.5	785.3	819.0	846.7	858.5
52.5°	714.1	728.0	759.6	785.3	797.2
55°	656.8	666.6	696.3	720.1	729.9
57.5°	599.4	607.3	631.0	656.8	662.7
60°	540.0	549.9	571.7	589.5	597.4
62.5°	486.6	490.6	510.4	526.2	536.1
65°	431.2	433.2	447.1	464.9	468.8
67.5°	373.9	375.9	389.7	399.6	403.5
70°	320.5	320.5	330.4	338.3	342.2
72.5°	269.0	267.1	273.0	280.9	284.9
75°	215.6	215.6	221.6	225.5	227.5
77.5°	170.1	166.2	170.1	174.1	174.1
80°	124.6	122.6	122.6	124.6	122.6
82.5°	85.1	83.1	85.1	81.1	79.1
85°	47.5	45.5	43.5	39.6	39.6
87.5°	15.8	13.8	13.8	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)