

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: P297964

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297964  
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-40L92765-LD5-UNV-14-T1-W2A-4500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3676.0 lumens  
Efficiency: N/A  
Efficacy: 91.4 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

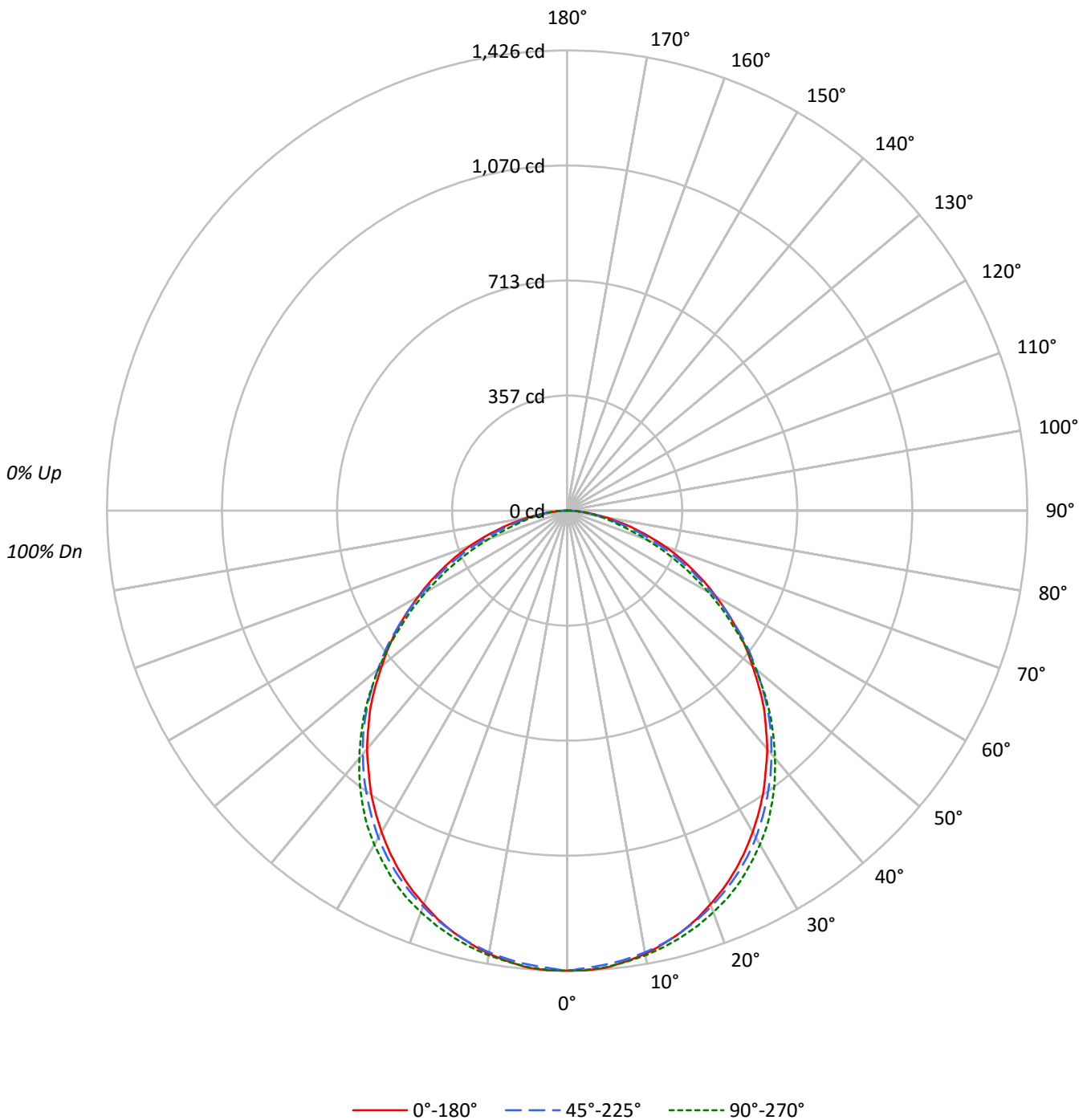
Input Watts (W): 40.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3837	3837	3837
5°	3839	3814	3835
10°	3811	3798	3824
15°	3772	3772	3811
20°	3717	3739	3793
25°	3655	3697	3766
30°	3573	3636	3714
35°	3486	3552	3635
40°	3388	3459	3520
45°	3279	3350	3380
50°	3138	3203	3190
55°	3019	3041	2961
60°	2868	2826	2717
65°	2709	2600	2421
70°	2513	2305	2047
75°	2235	1976	1685
80°	1860	1618	1570
85°	1346	1442	1442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.6	3.7
10°-20°	383.3	10.4
20°-30°	574.5	15.6
30°-40°	676.8	18.4
40°-50°	675.0	18.4
50°-60°	574.2	15.6
60°-70°	400.7	10.9
70°-80°	203.7	5.5
80°-90°	53.2	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°	1092.3	29.7
0°-40°	1769.1	48.1
0°-60°	3018.4	82.1
0°-90°	3676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3676.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1421	1418	1412	1420	1420	135
15°	1354	1354	1354	1367	1368	382
25°	1231	1233	1245	1264	1268	567
35°	1061	1063	1081	1103	1106	663
45°	862	865	880	887	888	663
55°	644	644	648	639	631	575
65°	425	419	408	386	380	422
75°	215	207	190	167	162	228
85°	44	45	47	47	47	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1425.8	1425.8	1425.8	1425.8	1425.8
2.5°	1425.8	1424.2	1418.0	1424.2	1424.2
5°	1421.1	1418.0	1411.8	1419.6	1419.6
7.5°	1408.7	1407.1	1402.4	1410.2	1410.2
10°	1394.6	1393.1	1390.0	1399.3	1399.3
12.5°	1375.9	1375.9	1374.4	1383.7	1385.3
15°	1354.1	1354.1	1354.1	1366.6	1368.1
17.5°	1329.2	1327.6	1332.3	1346.3	1347.9
20°	1298.0	1299.6	1305.8	1321.4	1324.5
22.5°	1266.9	1268.4	1276.2	1294.9	1299.6
25°	1231.0	1232.6	1245.0	1263.7	1268.4
27.5°	1192.1	1195.2	1209.2	1229.5	1232.6
30°	1150.0	1153.1	1170.2	1190.5	1195.2
32.5°	1106.4	1111.0	1126.6	1148.4	1154.7
35°	1061.2	1062.7	1081.4	1103.2	1106.4
37.5°	1011.3	1016.0	1034.7	1053.4	1056.5
40°	964.6	967.7	984.8	1000.4	1002.0
42.5°	911.6	916.2	934.9	945.9	945.9
45°	861.7	864.8	880.4	886.6	888.2
47.5°	805.6	808.7	822.8	825.9	825.9
50°	749.5	757.3	765.1	765.1	762.0
52.5°	698.1	699.7	709.0	702.8	699.7
55°	643.6	643.6	648.2	638.9	631.1
57.5°	589.0	589.0	589.0	576.6	570.3
60°	532.9	531.4	525.1	509.5	504.9
62.5°	479.9	475.3	465.9	450.3	441.0
65°	425.4	419.2	408.3	386.4	380.2
67.5°	374.0	363.1	350.6	330.3	319.4
70°	319.4	310.1	292.9	269.6	260.2
72.5°	266.5	257.1	243.1	219.7	205.7
75°	215.0	207.2	190.1	166.7	162.1
77.5°	165.2	160.5	143.4	132.5	130.9
80°	120.0	118.4	104.4	101.3	101.3
82.5°	79.5	77.9	73.2	73.2	71.7
85°	43.6	45.2	46.7	46.7	46.7
87.5°	15.6	18.7	21.8	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)