

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: P298472

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298472  
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-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4162.0 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

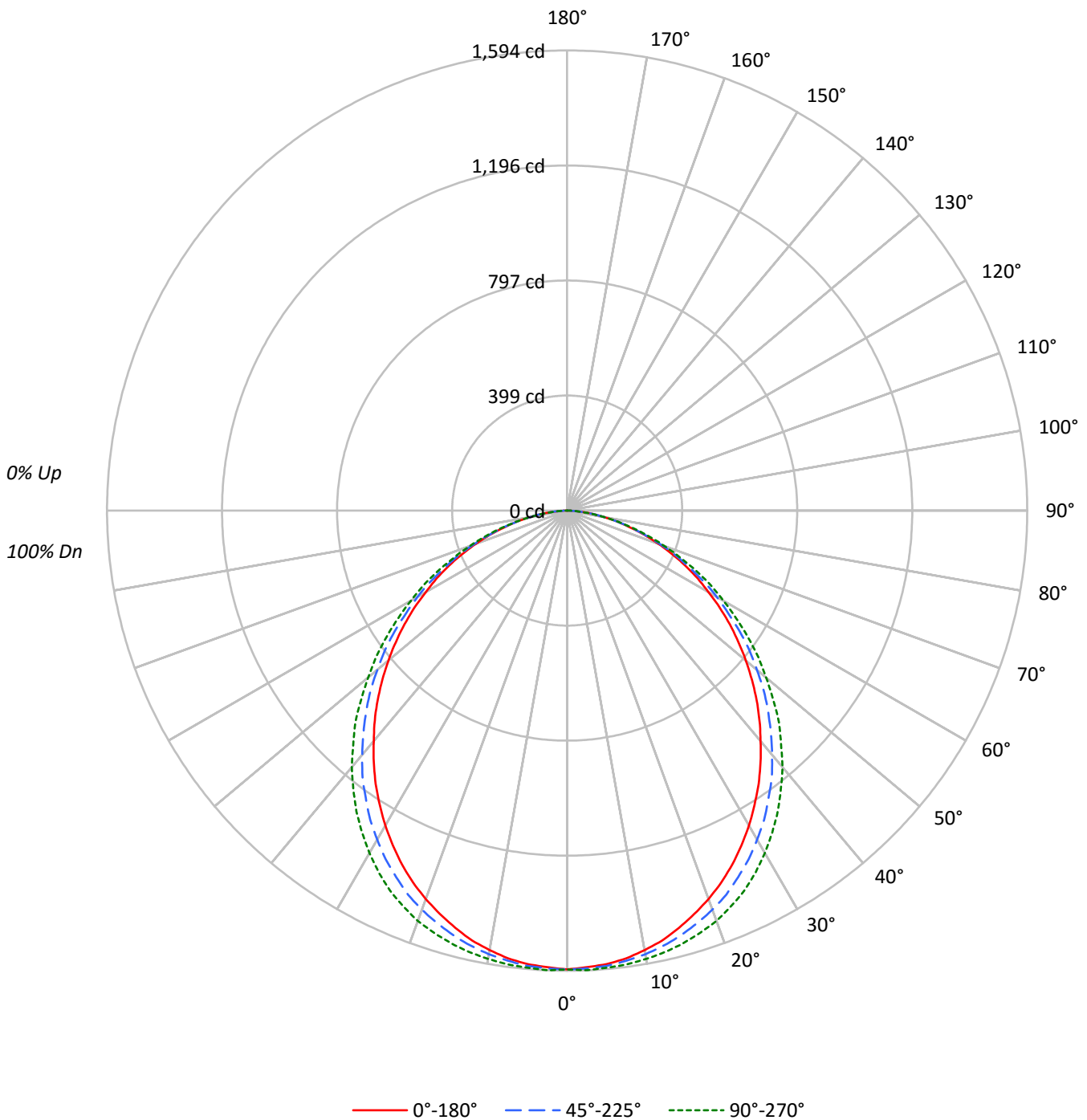
Input Watts (W): 37.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	4277	4277	4277
5°	4260	4277	4293
10°	4224	4264	4309
15°	4168	4243	4324
20°	4101	4213	4332
25°	4018	4160	4313
30°	3915	4089	4256
35°	3799	3996	4180
40°	3662	3880	4077
45°	3533	3746	3951
50°	3383	3592	3765
55°	3228	3422	3588
60°	3045	3223	3368
65°	2877	2982	3127
70°	2641	2723	2821
75°	2349	2413	2478
80°	2024	1991	1991
85°	1535	1408	1278



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.4	3.6
10°-20°	429.8	10.3
20°-30°	645.2	15.5
30°-40°	759.4	18.2
40°-50°	757.5	18.2
50°-60°	650.0	15.6
60°-70°	465.5	11.2
70°-80°	246.6	5.9
80°-90°	57.7	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°	1225.4	29.4
0°-40°	1984.8	47.7
0°-60°	3392.3	81.5
0°-90°	4162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4162.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1577	1577	1583	1587	1589	150
15°	1496	1502	1523	1544	1552	422
25°	1353	1366	1401	1436	1453	623
35°	1156	1171	1216	1258	1272	722
45°	928	943	984	1020	1038	716
55°	688	698	729	754	765	615
65°	452	454	468	487	491	446
75°	226	226	232	236	238	242
85°	50	48	46	41	41	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1583.2	1583.2	1587.4	1591.5	1593.6
5°	1577.0	1577.0	1583.2	1587.4	1589.4
7.5°	1564.6	1564.6	1572.9	1581.1	1585.3
10°	1545.9	1550.1	1560.4	1572.9	1577.0
12.5°	1525.2	1529.3	1543.8	1560.4	1566.6
15°	1496.2	1502.4	1523.1	1543.8	1552.1
17.5°	1465.1	1473.4	1498.3	1523.1	1533.5
20°	1431.9	1440.2	1471.3	1500.3	1512.8
22.5°	1394.6	1405.0	1440.2	1471.3	1483.7
25°	1353.2	1365.6	1400.9	1436.1	1452.7
27.5°	1307.6	1322.1	1361.5	1398.8	1413.3
30°	1259.9	1276.5	1315.9	1355.3	1369.8
32.5°	1208.1	1222.6	1270.3	1307.6	1322.1
35°	1156.3	1170.8	1216.4	1257.9	1272.4
37.5°	1100.4	1119.0	1164.6	1201.9	1216.4
40°	1042.4	1061.0	1104.5	1148.0	1160.5
42.5°	986.4	1003.0	1044.4	1083.8	1096.2
45°	928.4	942.9	984.3	1019.6	1038.2
47.5°	868.3	882.8	924.2	957.4	967.7
50°	808.2	822.7	857.9	886.9	899.4
52.5°	748.1	762.6	795.8	822.7	835.1
55°	688.0	698.4	729.4	754.3	764.7
57.5°	627.9	636.2	661.1	688.0	694.2
60°	565.7	576.1	598.9	617.5	625.8
62.5°	509.8	513.9	534.6	551.2	561.6
65°	451.8	453.8	468.3	487.0	491.1
67.5°	391.7	393.7	408.2	418.6	422.7
70°	335.7	335.7	346.1	354.4	358.5
72.5°	281.8	279.8	286.0	294.3	298.4
75°	225.9	225.9	232.1	236.2	238.3
77.5°	178.2	174.1	178.2	182.4	182.4
80°	130.6	128.5	128.5	130.6	128.5
82.5°	89.1	87.0	89.1	85.0	82.9
85°	49.7	47.7	45.6	41.4	41.4
87.5°	16.6	14.5	14.5	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)