

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: P297501

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-50L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4685.0 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

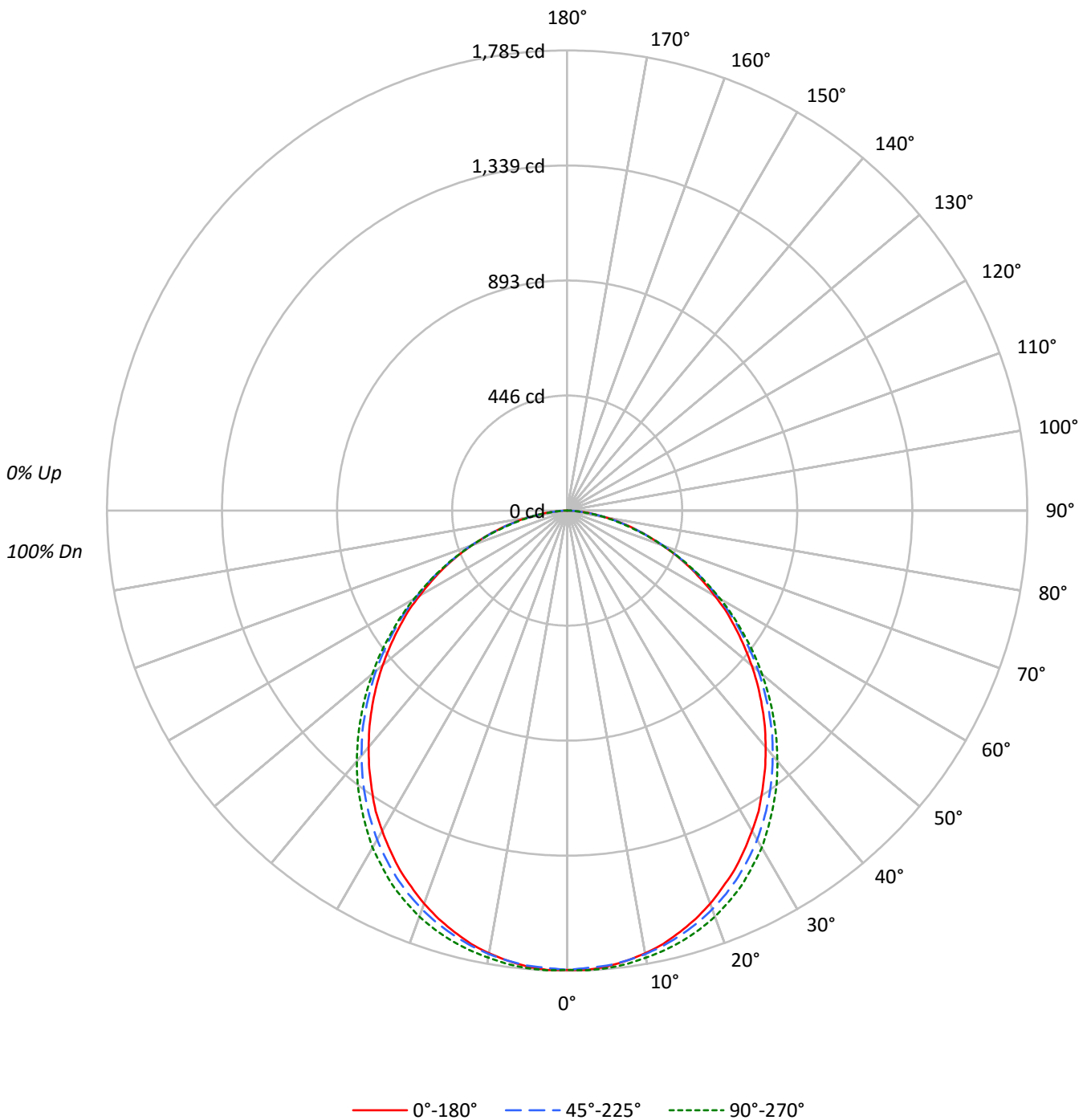
Input Watts (W): 36  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2397	2397	2397
5°	2398	2394	2407
10°	2383	2387	2406
15°	2357	2374	2407
20°	2323	2357	2400
25°	2282	2329	2381
30°	2229	2290	2346
35°	2170	2240	2292
40°	2104	2179	2229
45°	2033	2108	2153
50°	1956	2028	2065
55°	1873	1932	1962
60°	1780	1826	1847
65°	1678	1703	1713
70°	1540	1558	1540
75°	1386	1378	1337
80°	1174	1161	1125
85°	877	852	755



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.7	3.6
10°-20°	481.9	10.3
20°-30°	722.6	15.4
30°-40°	850.9	18.2
40°-50°	851.1	18.2
50°-60°	734.3	15.7
60°-70°	528.4	11.3
70°-80°	280.3	6.0
80°-90°	66.8	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°	1373.2	29.3
0°-40°	2224.1	47.5
0°-60°	3809.5	81.3
0°-90°	4685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1776	1774	1772	1779	1782	168
15°	1692	1697	1704	1722	1728	477
25°	1537	1547	1569	1596	1604	707
35°	1321	1337	1364	1387	1395	826
45°	1068	1083	1108	1127	1132	824
55°	799	806	824	838	836	715
65°	527	529	535	538	538	521
75°	267	264	265	259	257	284
85°	57	57	55	50	49	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1781.8	1781.8	1781.8	1781.8	1781.8
2.5°	1783.4	1780.2	1775.5	1781.8	1784.9
5°	1775.5	1773.9	1772.3	1778.6	1781.8
7.5°	1761.3	1762.9	1761.3	1770.7	1773.9
10°	1743.9	1745.5	1747.1	1758.1	1761.3
12.5°	1721.8	1723.4	1728.1	1742.3	1747.1
15°	1691.8	1696.6	1704.5	1721.8	1728.1
17.5°	1660.3	1666.6	1677.6	1698.1	1704.5
20°	1622.4	1630.3	1646.1	1668.2	1676.1
22.5°	1579.8	1587.7	1609.8	1633.4	1641.3
25°	1537.2	1546.6	1568.7	1595.6	1603.5
27.5°	1486.7	1499.3	1523.0	1549.8	1556.1
30°	1434.6	1445.6	1474.0	1499.3	1510.3
32.5°	1382.5	1393.6	1420.4	1445.6	1453.5
35°	1321.0	1336.7	1363.6	1387.2	1395.1
37.5°	1261.0	1275.2	1303.6	1327.3	1335.2
40°	1197.9	1210.5	1240.5	1262.6	1268.9
42.5°	1134.7	1147.4	1177.3	1194.7	1201.0
45°	1068.4	1082.6	1107.9	1126.8	1131.6
47.5°	1002.2	1013.2	1036.9	1054.2	1060.6
50°	934.3	945.3	969.0	983.2	986.4
52.5°	866.4	874.3	896.4	909.0	913.8
55°	798.6	806.5	823.8	838.0	836.4
57.5°	733.9	737.0	754.4	763.9	763.9
60°	661.3	664.4	678.6	684.9	686.5
62.5°	593.4	598.1	609.2	610.8	610.8
65°	527.1	528.7	535.0	538.2	538.2
67.5°	460.8	459.3	465.6	465.6	464.0
70°	391.4	394.6	396.1	393.0	391.4
72.5°	328.3	326.7	326.7	325.1	325.1
75°	266.7	263.6	265.1	258.8	257.2
77.5°	209.9	205.2	203.6	200.4	197.3
80°	151.5	151.5	149.9	146.8	145.2
82.5°	101.0	101.0	99.4	96.3	93.1
85°	56.8	56.8	55.2	50.5	48.9
87.5°	18.9	18.9	18.9	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)