

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: P297351

Luminaire Tested: **D3X-WO-45L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297351  
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-45L82765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4682.0 lumens  
Efficiency: N/A  
Efficacy: 145.0 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

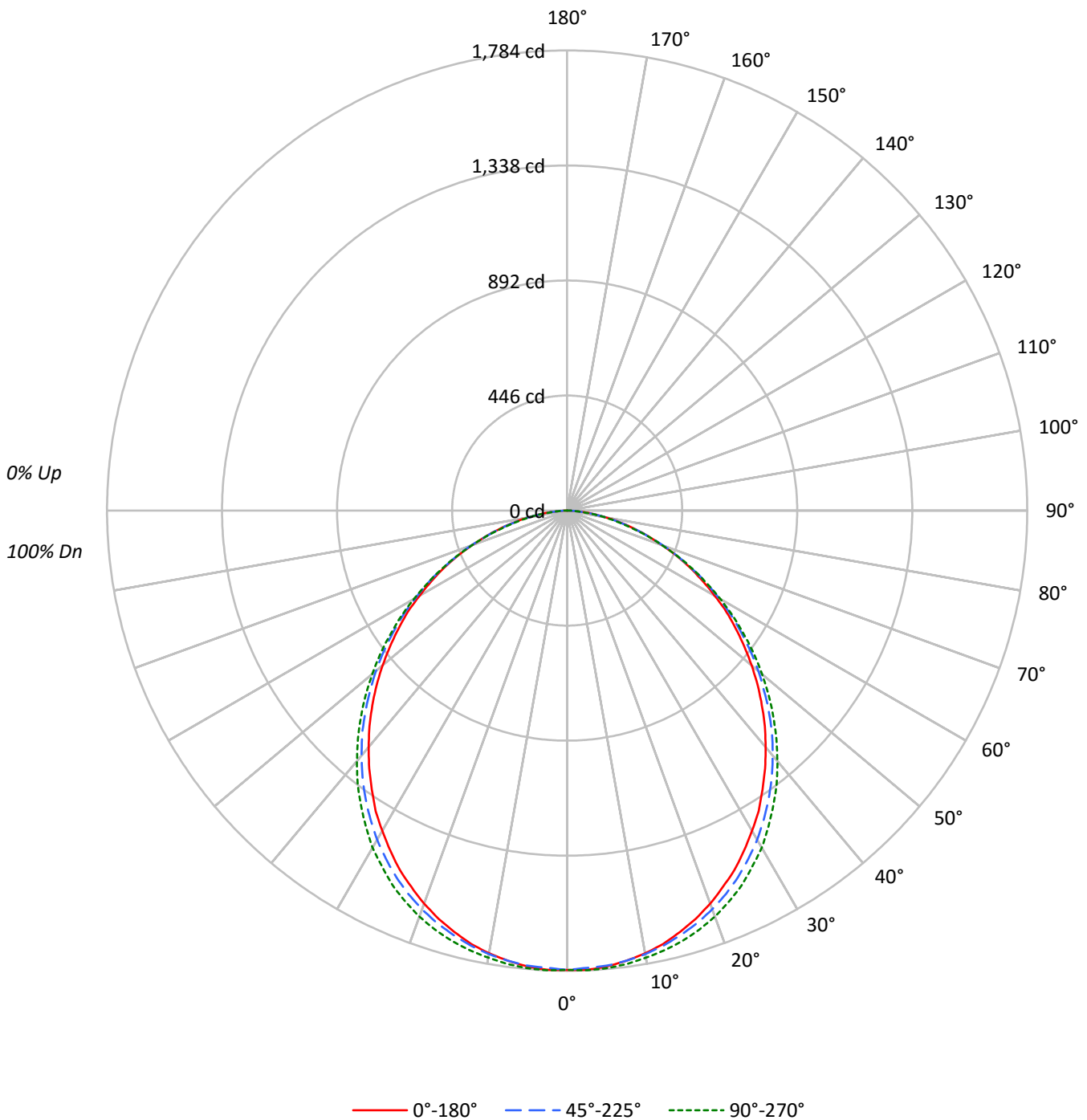
Input Watts (W): 32.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297351

CATALOG NUMBER: D3X-WO-45L82765-LD5-UNV-24-T1-W2A-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P297351

CATALOG NUMBER: D3X-WO-45L82765-LD5-UNV-24-T1-W2A-5000K

**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°	2396	2396	2396
5°	2396	2392	2405
10°	2381	2385	2405
15°	2355	2373	2406
20°	2322	2355	2398
25°	2281	2327	2379
30°	2227	2289	2345
35°	2168	2238	2290
40°	2103	2177	2227
45°	2032	2107	2152
50°	1954	2027	2063
55°	1872	1931	1961
60°	1778	1825	1846
65°	1677	1702	1712
70°	1539	1557	1539
75°	1385	1378	1337
80°	1173	1161	1124
85°	877	852	755



TEST NUMBER: P297351

CATALOG NUMBER: D3X-WO-45L82765-LD5-UNV-24-T1-W2A-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.6	3.6
10°-20°	481.6	10.3
20°-30°	722.1	15.4
30°-40°	850.4	18.2
40°-50°	850.5	18.2
50°-60°	733.9	15.7
60°-70°	528.1	11.3
70°-80°	280.1	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°	1372.3	29.3
0°-40°	2222.7	47.5
0°-60°	3807.1	81.3
0°-90°	4682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4682.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1781	1781	1781	1781	1781	
5°	1774	1773	1771	1778	1781	168
15°	1691	1696	1703	1721	1727	477
25°	1536	1546	1568	1594	1602	707
35°	1320	1336	1363	1386	1394	826
45°	1068	1082	1107	1126	1131	824
55°	798	806	823	838	836	714
65°	527	528	535	538	538	521
75°	266	263	265	259	257	284
85°	57	57	55	50	49	69
90°	0	0	0	0	0	



TEST NUMBER: P297351

CATALOG NUMBER: D3X-WO-45L82765-LD5-UNV-24-T1-W2A-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1780.7	1780.7	1780.7	1780.7	1780.7
2.5°	1782.2	1779.1	1774.3	1780.7	1783.8
5°	1774.3	1772.8	1771.2	1777.5	1780.7
7.5°	1760.1	1761.7	1760.1	1769.6	1772.8
10°	1742.8	1744.4	1746.0	1757.0	1760.1
12.5°	1720.7	1722.3	1727.0	1741.2	1746.0
15°	1690.8	1695.5	1703.4	1720.7	1727.0
17.5°	1659.2	1665.5	1676.6	1697.1	1703.4
20°	1621.4	1629.2	1645.0	1667.1	1675.0
22.5°	1578.8	1586.7	1608.7	1632.4	1640.3
25°	1536.2	1545.6	1567.7	1594.5	1602.4
27.5°	1485.7	1498.3	1522.0	1548.8	1555.1
30°	1433.7	1444.7	1473.1	1498.3	1509.4
32.5°	1381.6	1392.7	1419.5	1444.7	1452.6
35°	1320.1	1335.9	1362.7	1386.4	1394.2
37.5°	1260.2	1274.4	1302.8	1326.4	1334.3
40°	1197.1	1209.7	1239.7	1261.8	1268.1
42.5°	1134.0	1146.6	1176.6	1193.9	1200.2
45°	1067.8	1082.0	1107.2	1126.1	1130.8
47.5°	1001.5	1012.6	1036.2	1053.6	1059.9
50°	933.7	944.7	968.4	982.6	985.7
52.5°	865.9	873.8	895.8	908.5	913.2
55°	798.1	805.9	823.3	837.5	835.9
57.5°	733.4	736.5	753.9	763.4	763.4
60°	660.8	664.0	678.2	684.5	686.1
62.5°	593.0	597.8	608.8	610.4	610.4
65°	526.8	528.4	534.7	537.8	537.8
67.5°	460.5	459.0	465.3	465.3	463.7
70°	391.1	394.3	395.9	392.7	391.1
72.5°	328.1	326.5	326.5	324.9	324.9
75°	266.5	263.4	265.0	258.7	257.1
77.5°	209.8	205.0	203.5	200.3	197.1
80°	151.4	151.4	149.8	146.7	145.1
82.5°	100.9	100.9	99.4	96.2	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)