

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: P297349

Luminaire Tested: **D3X-WO-45L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297349  
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-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4539.0 lumens  
Efficiency: N/A  
Efficacy: 142.3 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

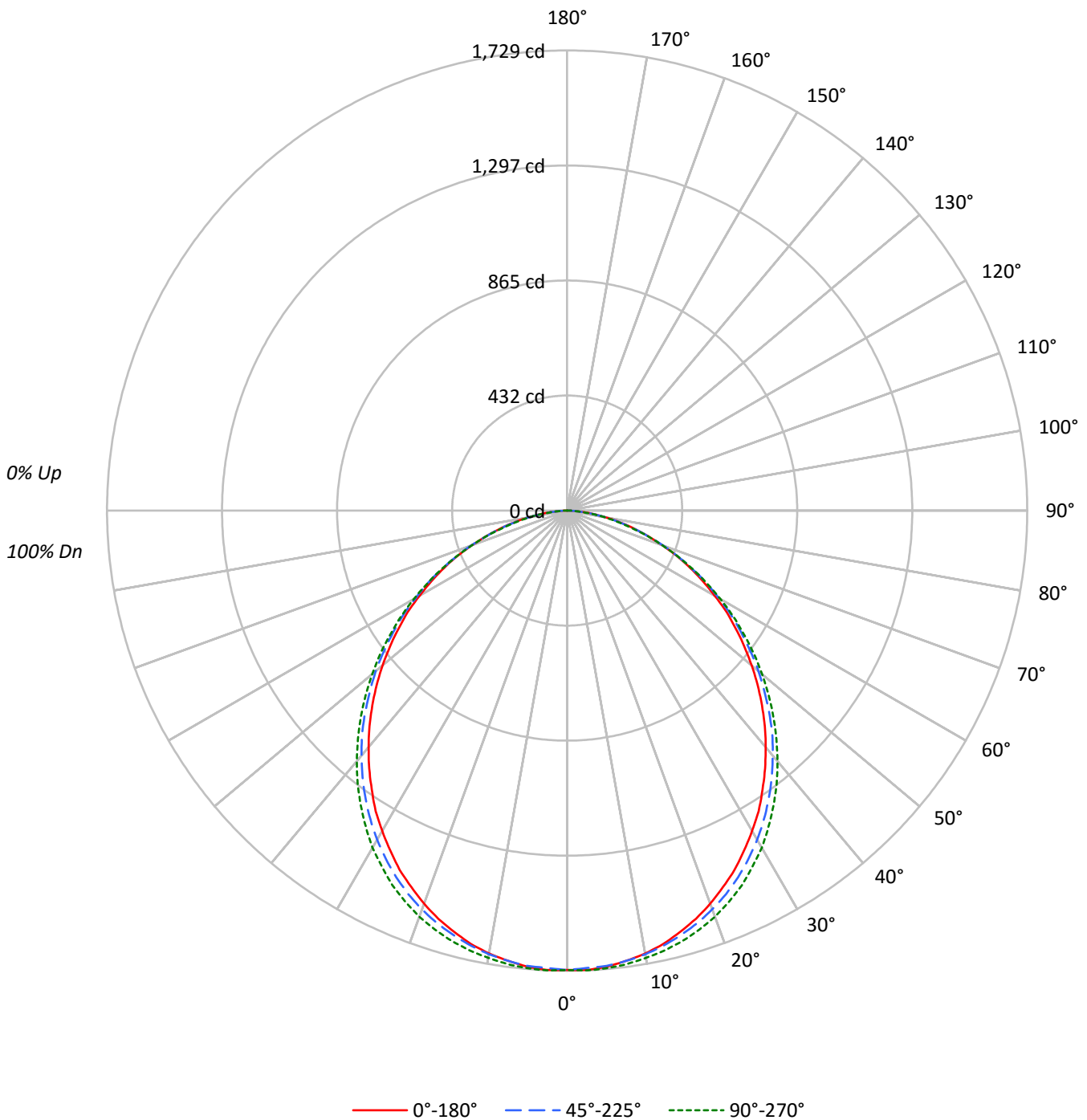
Input Watts (W): 31.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2323	2323	2323
5°	2323	2319	2332
10°	2308	2313	2331
15°	2283	2300	2332
20°	2251	2283	2325
25°	2211	2256	2306
30°	2159	2219	2273
35°	2102	2170	2220
40°	2038	2111	2159
45°	1970	2042	2086
50°	1895	1965	2000
55°	1815	1872	1901
60°	1724	1769	1790
65°	1626	1650	1660
70°	1492	1510	1492
75°	1343	1336	1295
80°	1137	1126	1090
85°	849	826	732



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.4	3.6
10°-20°	466.9	10.3
20°-30°	700.0	15.4
30°-40°	824.4	18.2
40°-50°	824.5	18.2
50°-60°	711.4	15.7
60°-70°	511.9	11.3
70°-80°	271.5	6.0
80°-90°	64.7	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°	1330.4	29.3
0°-40°	2154.8	47.5
0°-60°	3690.8	81.3
0°-90°	4539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4539.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1720	1719	1717	1723	1726	163
15°	1639	1644	1651	1668	1674	462
25°	1489	1498	1520	1546	1554	685
35°	1280	1295	1321	1344	1352	801
45°	1035	1049	1073	1092	1096	799
55°	774	781	798	812	810	692
65°	511	512	518	521	521	505
75°	258	255	257	251	249	275
85°	55	55	54	49	47	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1726.3	1726.3	1726.3	1726.3	1726.3
2.5°	1727.8	1724.7	1720.1	1726.3	1729.3
5°	1720.1	1718.6	1717.1	1723.2	1726.3
7.5°	1706.4	1707.9	1706.4	1715.6	1718.6
10°	1689.6	1691.1	1692.6	1703.3	1706.4
12.5°	1668.2	1669.7	1674.3	1688.0	1692.6
15°	1639.1	1643.7	1651.3	1668.2	1674.3
17.5°	1608.5	1614.6	1625.4	1645.2	1651.3
20°	1571.8	1579.5	1594.8	1616.2	1623.8
22.5°	1530.6	1538.2	1559.6	1582.5	1590.2
25°	1489.3	1498.4	1519.8	1545.8	1553.5
27.5°	1440.3	1452.6	1475.5	1501.5	1507.6
30°	1389.9	1400.6	1428.1	1452.6	1463.3
32.5°	1339.4	1350.1	1376.1	1400.6	1408.2
35°	1279.8	1295.1	1321.1	1344.0	1351.7
37.5°	1221.7	1235.4	1263.0	1285.9	1293.6
40°	1160.5	1172.8	1201.8	1223.2	1229.3
42.5°	1099.4	1111.6	1140.7	1157.5	1163.6
45°	1035.1	1048.9	1073.4	1091.7	1096.3
47.5°	970.9	981.6	1004.6	1021.4	1027.5
50°	905.2	915.9	938.8	952.6	955.6
52.5°	839.4	847.1	868.5	880.7	885.3
55°	773.7	781.3	798.1	811.9	810.4
57.5°	711.0	714.1	730.9	740.0	740.0
60°	640.7	643.7	657.5	663.6	665.1
62.5°	574.9	579.5	590.2	591.7	591.7
65°	510.7	512.2	518.3	521.4	521.4
67.5°	446.5	444.9	451.1	451.1	449.5
70°	379.2	382.3	383.8	380.7	379.2
72.5°	318.0	316.5	316.5	315.0	315.0
75°	258.4	255.3	256.9	250.8	249.2
77.5°	203.4	198.8	197.2	194.2	191.1
80°	146.8	146.8	145.3	142.2	140.7
82.5°	97.9	97.9	96.3	93.3	90.2
85°	55.0	55.0	53.5	48.9	47.4
87.5°	18.3	18.3	18.3	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)