

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: P296947

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4600.0 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

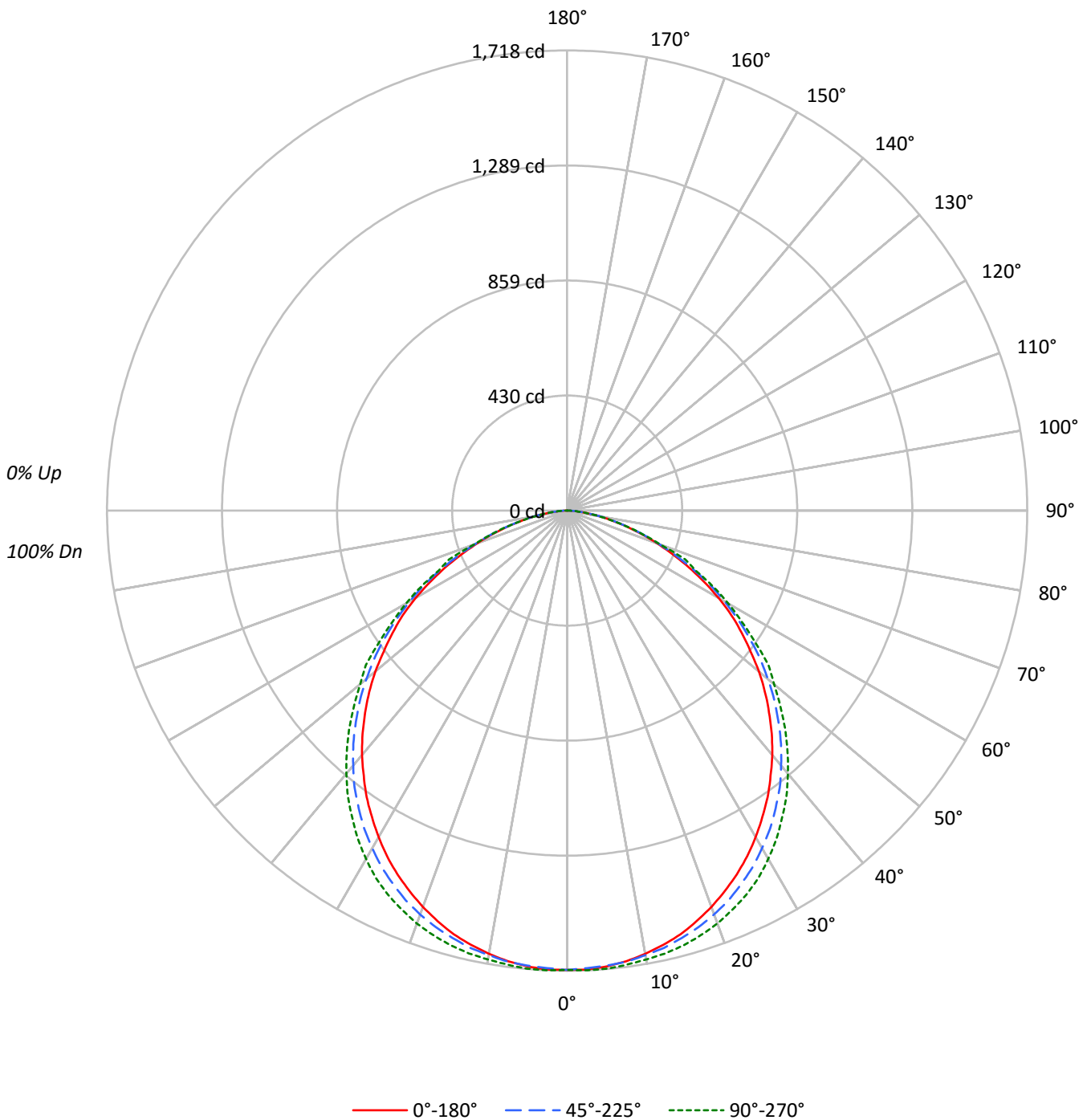
Input Watts (W): 38.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P296947

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P296947

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K

**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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	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°	2307	2307	2307
5°	2307	2303	2318
10°	2296	2302	2325
15°	2281	2301	2340
20°	2255	2297	2349
25°	2225	2284	2350
30°	2187	2262	2333
35°	2144	2228	2299
40°	2093	2183	2252
45°	2029	2123	2189
50°	1955	2049	2111
55°	1866	1951	2009
60°	1759	1825	1870
65°	1597	1650	1682
70°	1402	1435	1454
75°	1184	1201	1210
80°	946	959	934
85°	638	662	638



TEST NUMBER: P296947

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.5	3.5
10°-20°	467.4	10.2
20°-30°	709.1	15.4
30°-40°	846.6	18.4
40°-50°	857.1	18.6
50°-60°	740.8	16.1
60°-70°	513.5	11.2
70°-80°	248.4	5.4
80°-90°	54.6	1.2
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°	1339.0	29.1
0°-40°	2185.6	47.5
0°-60°	3783.5	82.2
0°-90°	4600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1708	1707	1705	1713	1716	162
15°	1637	1641	1652	1672	1680	461
25°	1499	1508	1538	1570	1583	690
35°	1306	1317	1357	1391	1400	816
45°	1066	1081	1116	1144	1150	822
55°	796	804	832	866	857	711
65°	502	507	518	526	528	497
75°	228	229	231	229	233	244
85°	41	45	43	41	41	53
90°	0	0	0	0	0	



TEST NUMBER: P296947

CATALOG NUMBER: D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1714.8	1714.8	1714.8	1714.8	1714.8
2.5°	1714.8	1713.2	1709.9	1714.8	1718.1
5°	1708.2	1706.6	1704.9	1713.2	1716.5
7.5°	1696.7	1696.7	1698.3	1706.6	1709.9
10°	1680.2	1681.8	1685.1	1698.3	1701.6
12.5°	1660.4	1663.7	1671.9	1686.8	1693.4
15°	1637.3	1640.6	1652.1	1671.9	1680.2
17.5°	1607.6	1614.2	1630.7	1653.8	1662.0
20°	1574.6	1582.8	1604.3	1630.7	1640.6
22.5°	1538.2	1546.5	1574.6	1602.6	1612.5
25°	1498.6	1508.5	1538.2	1569.6	1582.8
27.5°	1455.7	1467.3	1500.3	1533.3	1546.5
30°	1407.9	1421.1	1455.7	1490.4	1501.9
32.5°	1356.7	1369.9	1409.5	1442.5	1454.1
35°	1305.5	1317.1	1356.7	1391.4	1399.6
37.5°	1247.8	1261.0	1303.9	1333.6	1345.1
40°	1191.6	1204.8	1242.8	1272.5	1282.4
42.5°	1130.6	1143.8	1181.7	1209.8	1218.1
45°	1066.2	1081.1	1115.7	1143.8	1150.4
47.5°	1001.8	1013.4	1049.7	1074.5	1079.4
50°	934.2	945.7	978.7	1003.5	1008.4
52.5°	863.2	881.4	907.8	925.9	947.4
55°	795.5	803.8	831.8	866.5	856.6
57.5°	727.9	732.8	755.9	770.8	774.1
60°	653.6	660.2	678.3	686.6	694.9
62.5°	576.0	581.0	602.4	610.7	614.0
65°	501.7	506.7	518.3	526.5	528.2
67.5°	425.8	430.8	440.7	447.3	477.0
70°	356.5	359.8	364.8	378.0	369.7
72.5°	290.5	292.1	297.1	297.1	298.7
75°	227.8	229.4	231.1	229.4	232.7
77.5°	170.0	173.3	175.0	173.3	171.6
80°	122.1	125.4	123.8	120.5	120.5
82.5°	79.2	80.9	79.2	77.6	77.6
85°	41.3	44.6	42.9	41.3	41.3
87.5°	14.9	16.5	18.2	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)