

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: P296939

Luminaire Tested: **D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296939  
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-50L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4245.0 lumens  
Efficiency: N/A  
Efficacy: 119.2 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

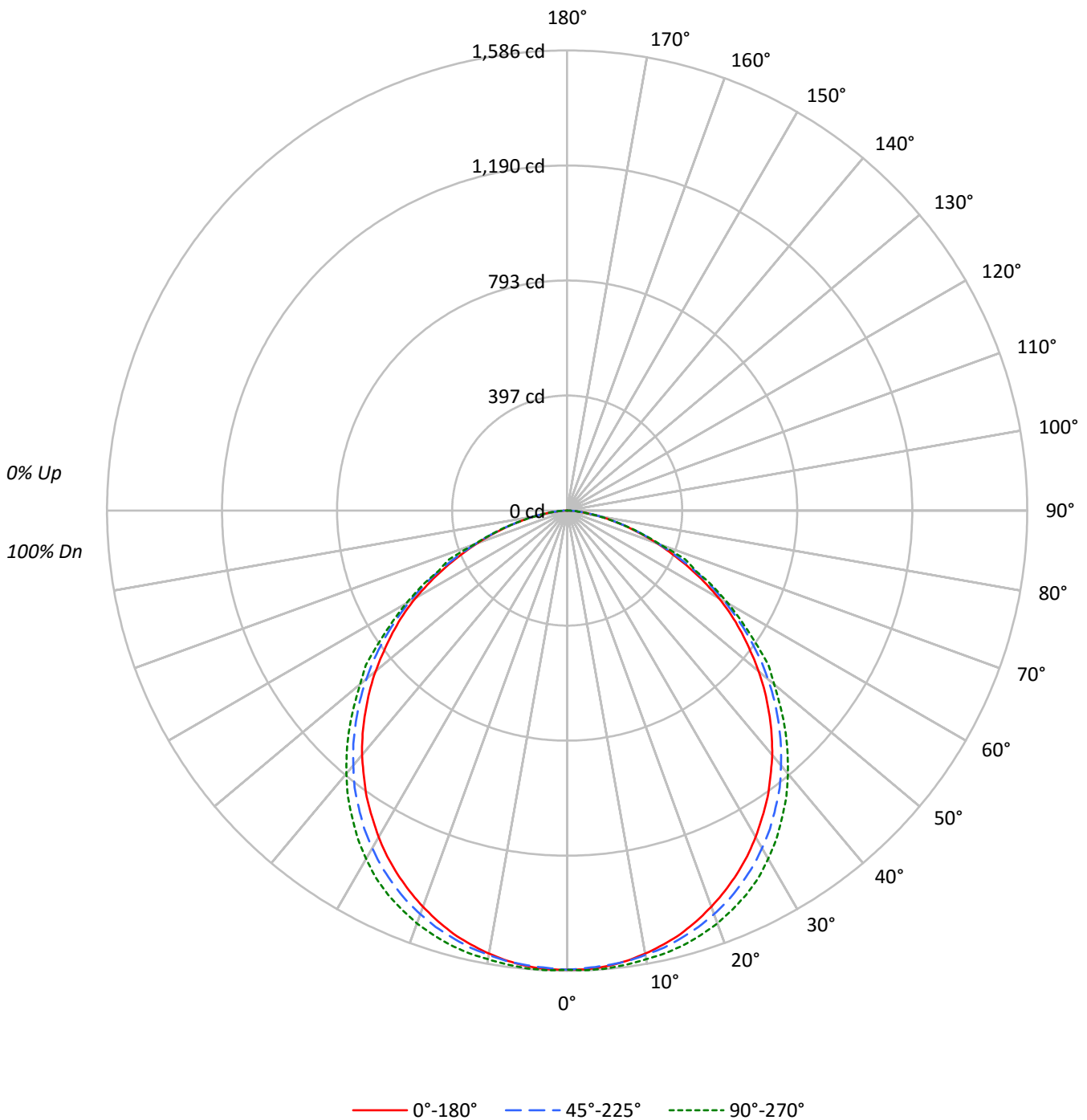
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P296939

CATALOG NUMBER: D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4500K

### Luminous Intensity Polar Plot





TEST NUMBER: P296939

CATALOG NUMBER: D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4500K

**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°	2129	2129	2129
5°	2129	2125	2139
10°	2118	2125	2145
15°	2105	2124	2160
20°	2080	2120	2168
25°	2053	2107	2169
30°	2018	2087	2153
35°	1979	2056	2122
40°	1932	2014	2079
45°	1872	1959	2020
50°	1805	1891	1948
55°	1722	1801	1854
60°	1623	1685	1725
65°	1474	1523	1552
70°	1294	1324	1342
75°	1093	1108	1117
80°	873	885	862
85°	588	611	588



TEST NUMBER: P296939

CATALOG NUMBER: D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	3.5
10°-20°	431.3	10.2
20°-30°	654.4	15.4
30°-40°	781.3	18.4
40°-50°	790.9	18.6
50°-60°	683.7	16.1
60°-70°	473.8	11.2
70°-80°	229.3	5.4
80°-90°	50.4	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°	1235.6	29.1
0°-40°	2016.9	47.5
0°-60°	3491.5	82.2
0°-90°	4245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4245.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1582	1582	1582	1582	1582	
5°	1576	1575	1573	1581	1584	150
15°	1511	1514	1525	1543	1550	426
25°	1383	1392	1420	1448	1461	637
35°	1205	1215	1252	1284	1292	753
45°	984	998	1030	1056	1062	759
55°	734	742	768	800	790	656
65°	463	468	478	486	487	458
75°	210	212	213	212	215	226
85°	38	41	40	38	38	49
90°	0	0	0	0	0	



TEST NUMBER: P296939

CATALOG NUMBER: D3X-WD-50L92765-LD5-UNV-24-T1-W2A-4500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1582.5	1582.5	1582.5	1582.5	1582.5
2.5°	1582.5	1581.0	1577.9	1582.5	1585.6
5°	1576.4	1574.9	1573.4	1581.0	1584.0
7.5°	1565.8	1565.8	1567.3	1574.9	1577.9
10°	1550.5	1552.0	1555.1	1567.3	1570.3
12.5°	1532.2	1535.3	1542.9	1556.6	1562.7
15°	1510.9	1514.0	1524.6	1542.9	1550.5
17.5°	1483.5	1489.6	1504.8	1526.2	1533.8
20°	1453.0	1460.7	1480.5	1504.8	1514.0
22.5°	1419.5	1427.1	1453.0	1478.9	1488.1
25°	1383.0	1392.1	1419.5	1448.5	1460.7
27.5°	1343.4	1354.0	1384.5	1415.0	1427.1
30°	1299.2	1311.4	1343.4	1375.4	1386.0
32.5°	1252.0	1264.2	1300.7	1331.2	1341.9
35°	1204.8	1215.4	1252.0	1284.0	1291.6
37.5°	1151.5	1163.7	1203.3	1230.7	1241.3
40°	1099.7	1111.9	1146.9	1174.3	1183.5
42.5°	1043.3	1055.5	1090.5	1116.4	1124.1
45°	983.9	997.6	1029.6	1055.5	1061.6
47.5°	924.5	935.2	968.7	991.5	996.1
50°	862.1	872.7	903.2	926.0	930.6
52.5°	796.6	813.3	837.7	854.5	874.3
55°	734.1	741.8	767.6	799.6	790.5
57.5°	671.7	676.3	697.6	711.3	714.3
60°	603.1	609.2	626.0	633.6	641.2
62.5°	531.6	536.1	555.9	563.5	566.6
65°	463.0	467.6	478.3	485.9	487.4
67.5°	393.0	397.5	406.7	412.8	440.2
70°	329.0	332.0	336.6	348.8	341.2
72.5°	268.1	269.6	274.2	274.2	275.7
75°	210.2	211.7	213.2	211.7	214.8
77.5°	156.9	159.9	161.4	159.9	158.4
80°	112.7	115.8	114.2	111.2	111.2
82.5°	73.1	74.6	73.1	71.6	71.6
85°	38.1	41.1	39.6	38.1	38.1
87.5°	13.7	15.2	16.8	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)