

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: P298133

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298133  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3751.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

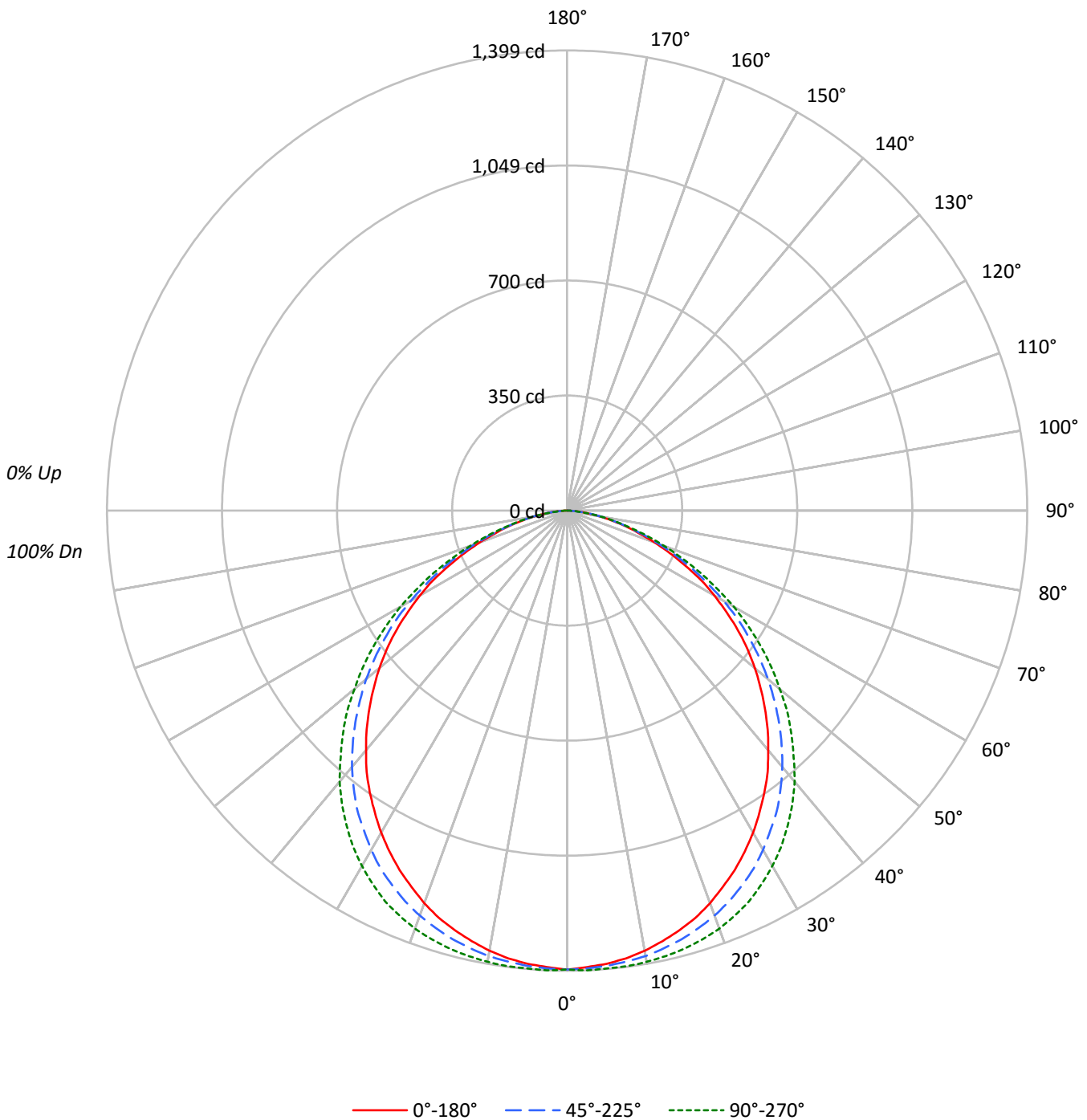
Input Watts (W): 36.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P298133

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P298133

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-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	101	97	107	103	99	96	98	95	93	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	3754	3754	3754
5°	3736	3752	3774
10°	3713	3757	3807
15°	3679	3757	3842
20°	3637	3753	3874
25°	3579	3735	3891
30°	3513	3701	3877
35°	3436	3655	3840
40°	3341	3575	3780
45°	3235	3465	3673
50°	3119	3339	3533
55°	2974	3173	3372
60°	2782	2956	3151
65°	2520	2674	2841
70°	2224	2335	2463
75°	1910	1953	2036
80°	1533	1565	1596
85°	1121	997	997



TEST NUMBER: P298133

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.2	3.5
10°-20°	380.9	10.2
20°-30°	579.3	15.4
30°-40°	693.1	18.5
40°-50°	700.7	18.7
50°-60°	603.0	16.1
60°-70°	416.3	11.1
70°-80°	201.9	5.4
80°-90°	43.8	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°	1092.4	29.1
0°-40°	1785.4	47.6
0°-60°	3089.1	82.4
0°-90°	3751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3751.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1383	1385	1389	1395	1397	131
15°	1320	1328	1349	1369	1379	372
25°	1205	1220	1258	1296	1310	555
35°	1046	1064	1112	1153	1169	654
45°	850	866	911	949	965	656
55°	634	644	676	707	719	565
65°	396	402	420	438	446	394
75°	184	180	188	194	196	195
85°	36	36	32	32	32	44
90°	0	0	0	0	0	



TEST NUMBER: P298133

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1395.2	1395.2	1395.2	1395.2	1395.2
2.5°	1389.1	1389.1	1393.1	1397.2	1399.2
5°	1383.0	1385.1	1389.1	1395.2	1397.2
7.5°	1372.9	1375.0	1383.0	1393.1	1397.2
10°	1358.8	1362.8	1375.0	1387.1	1393.1
12.5°	1340.6	1348.7	1362.8	1379.0	1387.1
15°	1320.4	1328.5	1348.7	1368.9	1379.0
17.5°	1298.2	1306.3	1330.5	1356.8	1366.9
20°	1270.0	1282.1	1310.4	1340.6	1352.8
22.5°	1237.7	1253.8	1286.1	1318.4	1332.6
25°	1205.4	1219.5	1257.9	1296.2	1310.4
27.5°	1169.0	1185.2	1227.6	1265.9	1280.1
30°	1130.7	1146.8	1191.2	1233.6	1247.8
32.5°	1088.3	1108.4	1150.8	1195.3	1211.4
35°	1045.9	1064.0	1112.5	1152.9	1169.0
37.5°	1001.4	1017.6	1066.0	1108.4	1124.6
40°	951.0	969.1	1017.6	1060.0	1076.1
42.5°	902.5	920.7	965.1	1005.5	1019.6
45°	850.0	866.2	910.6	948.9	965.1
47.5°	797.5	815.7	854.1	892.4	908.6
50°	745.0	759.2	797.5	833.9	844.0
52.5°	690.5	702.6	736.9	769.3	783.4
55°	634.0	644.1	676.4	706.7	718.8
57.5°	573.4	585.5	615.8	638.0	652.1
60°	516.9	522.9	549.2	571.4	585.5
62.5°	460.3	462.4	482.5	504.8	512.8
65°	395.7	401.8	420.0	438.1	446.2
67.5°	337.2	343.2	357.4	371.5	377.6
70°	282.7	282.7	296.8	306.9	313.0
72.5°	228.2	230.2	240.3	246.3	252.4
75°	183.7	179.7	187.8	193.8	195.8
77.5°	137.3	135.3	141.3	143.4	147.4
80°	98.9	98.9	101.0	103.0	103.0
82.5°	64.6	64.6	66.6	62.6	60.6
85°	36.3	36.3	32.3	32.3	32.3
87.5°	12.1	12.1	12.1	14.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)