

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: P297472

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297472  
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-36L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3328.0 lumens  
Efficiency: N/A  
Efficacy: 129.5 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

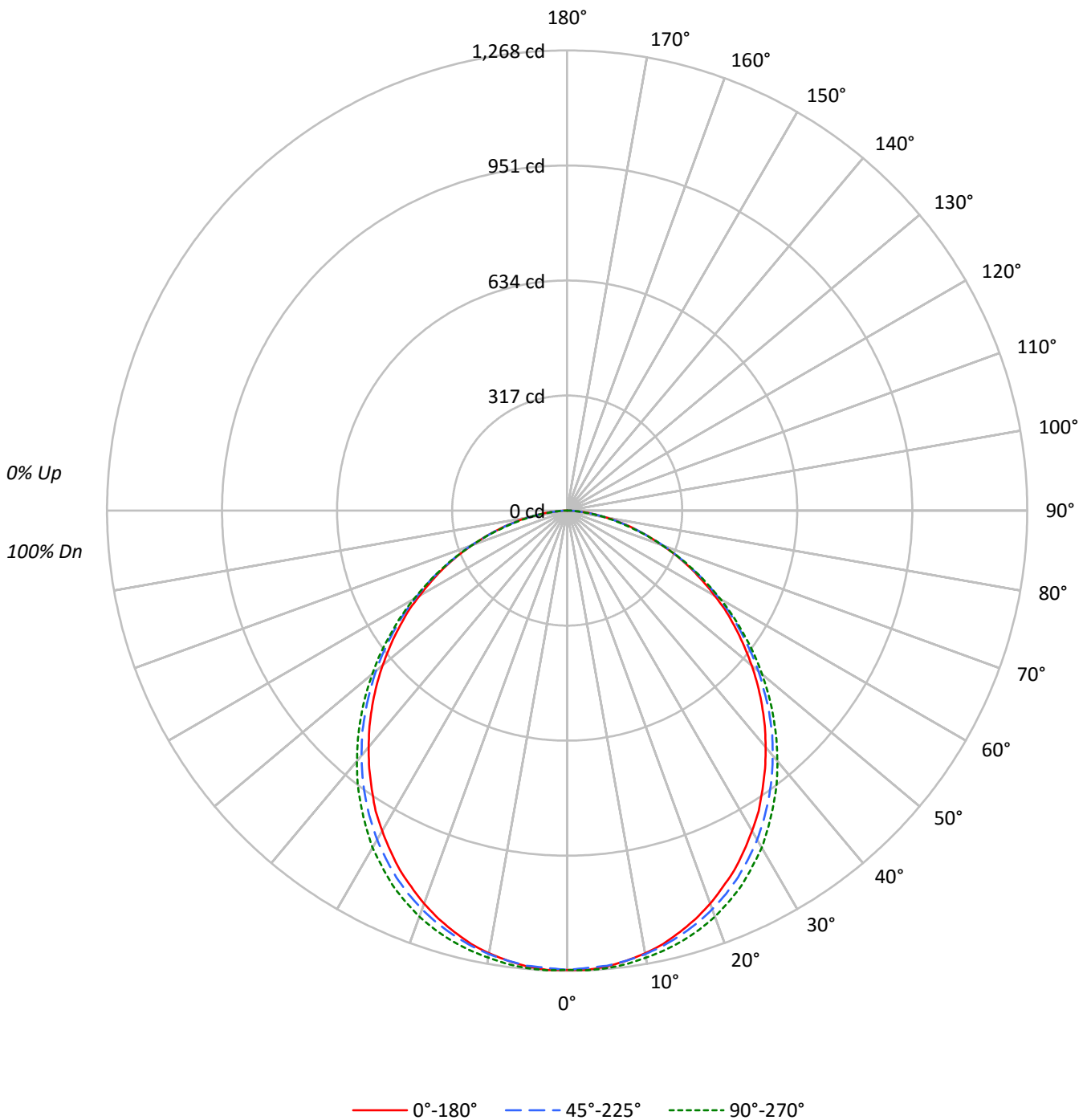
Input Watts (W): 25.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1703	1703	1703
5°	1703	1700	1709
10°	1693	1696	1709
15°	1674	1687	1710
20°	1650	1674	1705
25°	1621	1654	1691
30°	1583	1627	1667
35°	1541	1591	1628
40°	1495	1548	1583
45°	1444	1498	1529
50°	1389	1441	1467
55°	1331	1373	1394
60°	1264	1297	1312
65°	1192	1210	1217
70°	1094	1107	1094
75°	985	979	950
80°	834	825	799
85°	624	605	537



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.8	3.6
10°-20°	342.3	10.3
20°-30°	513.3	15.4
30°-40°	604.5	18.2
40°-50°	604.6	18.2
50°-60°	521.6	15.7
60°-70°	375.3	11.3
70°-80°	199.1	6.0
80°-90°	47.5	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°	975.4	29.3
0°-40°	1579.9	47.5
0°-60°	2706.1	81.3
0°-90°	3328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1261	1260	1259	1264	1266	120
15°	1202	1205	1211	1223	1228	339
25°	1092	1099	1114	1133	1139	502
35°	938	950	969	985	991	587
45°	759	769	787	800	804	585
55°	567	573	585	595	594	508
65°	374	376	380	382	382	370
75°	190	187	188	184	183	202
85°	40	40	39	36	35	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1265.7	1265.7	1265.7	1265.7	1265.7
2.5°	1266.8	1264.6	1261.2	1265.7	1267.9
5°	1261.2	1260.1	1259.0	1263.5	1265.7
7.5°	1251.1	1252.2	1251.1	1257.9	1260.1
10°	1238.8	1239.9	1241.0	1248.9	1251.1
12.5°	1223.1	1224.2	1227.6	1237.7	1241.0
15°	1201.8	1205.2	1210.8	1223.1	1227.6
17.5°	1179.4	1183.9	1191.7	1206.3	1210.8
20°	1152.5	1158.1	1169.3	1185.0	1190.6
22.5°	1122.2	1127.8	1143.5	1160.3	1165.9
25°	1091.9	1098.7	1114.4	1133.4	1139.0
27.5°	1056.1	1065.0	1081.8	1100.9	1105.4
30°	1019.1	1026.9	1047.1	1065.0	1072.9
32.5°	982.1	989.9	1009.0	1026.9	1032.5
35°	938.3	949.6	968.6	985.4	991.0
37.5°	895.7	905.8	926.0	942.8	948.4
40°	850.9	859.9	881.2	896.9	901.3
42.5°	806.1	815.0	836.3	848.7	853.1
45°	759.0	769.1	787.0	800.5	803.8
47.5°	711.9	719.7	736.5	748.9	753.4
50°	663.7	671.5	688.3	698.4	700.7
52.5°	615.5	621.1	636.8	645.7	649.1
55°	567.3	572.9	585.2	595.3	594.2
57.5°	521.3	523.5	535.9	542.6	542.6
60°	469.7	472.0	482.1	486.5	487.7
62.5°	421.5	424.9	432.7	433.9	433.9
65°	374.4	375.6	380.0	382.3	382.3
67.5°	327.4	326.2	330.7	330.7	329.6
70°	278.0	280.3	281.4	279.1	278.0
72.5°	233.2	232.1	232.1	230.9	230.9
75°	189.5	187.2	188.3	183.9	182.7
77.5°	149.1	145.7	144.6	142.4	140.1
80°	107.6	107.6	106.5	104.3	103.1
82.5°	71.7	71.7	70.6	68.4	66.1
85°	40.4	40.4	39.2	35.9	34.8
87.5°	13.5	13.5	13.5	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)