

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: P296770

Luminaire Tested: **D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296770  
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-36L82765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3367.0 lumens  
Efficiency: N/A  
Efficacy: 133.1 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

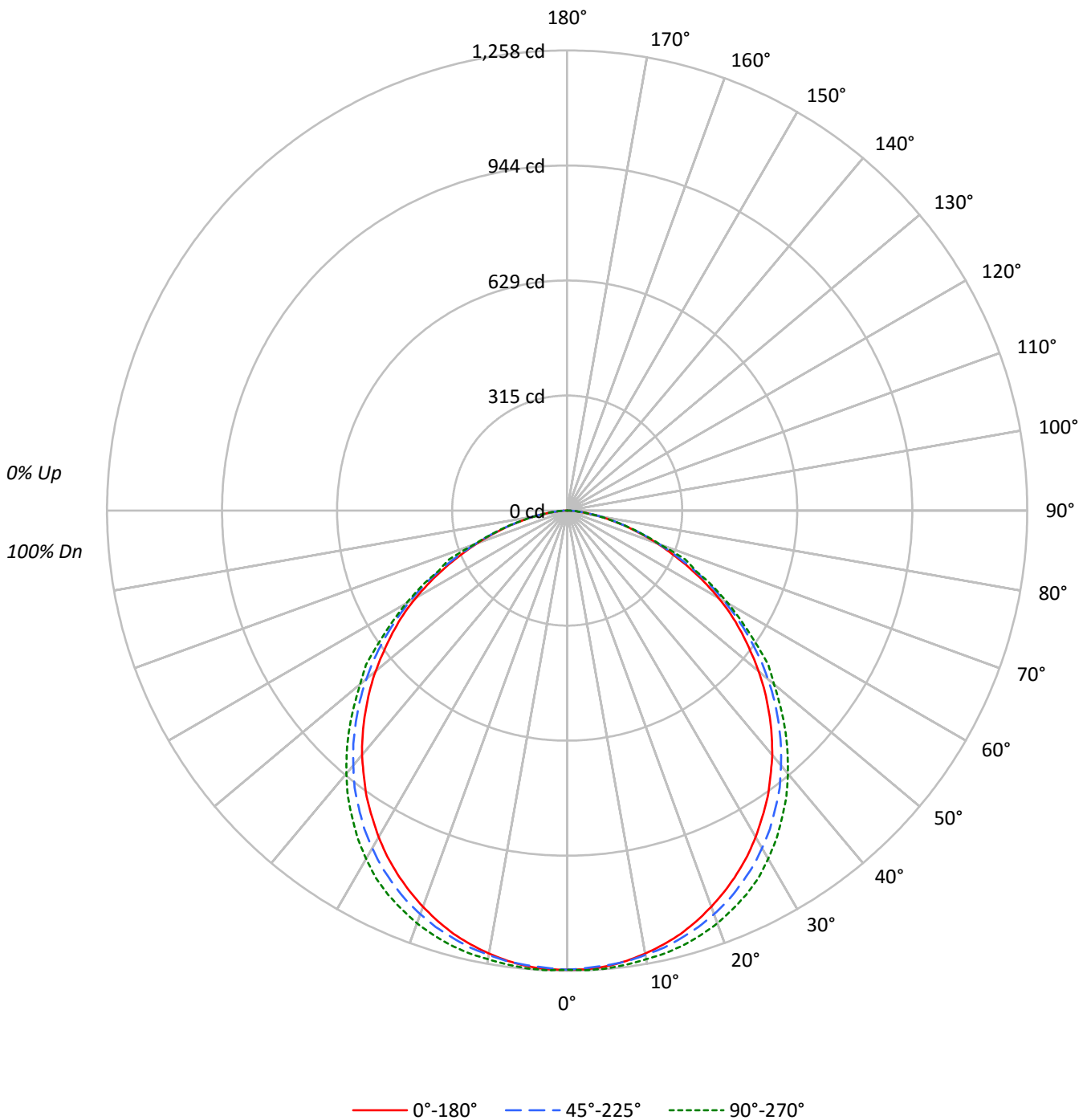
Input Watts (W): 25.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1689	1689	1689
5°	1689	1685	1697
10°	1680	1685	1702
15°	1669	1684	1713
20°	1650	1681	1719
25°	1628	1671	1720
30°	1601	1655	1708
35°	1570	1631	1683
40°	1532	1598	1649
45°	1485	1554	1602
50°	1431	1500	1545
55°	1366	1428	1471
60°	1287	1336	1369
65°	1169	1208	1231
70°	1026	1050	1065
75°	867	879	885
80°	693	702	683
85°	466	485	466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	3.5
10°-20°	342.1	10.2
20°-30°	519.0	15.4
30°-40°	619.7	18.4
40°-50°	627.3	18.6
50°-60°	542.3	16.1
60°-70°	375.8	11.2
70°-80°	181.8	5.4
80°-90°	40.0	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°	980.1	29.1
0°-40°	1599.7	47.5
0°-60°	2769.3	82.2
0°-90°	3367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1250	1249	1248	1254	1256	119
15°	1198	1201	1209	1224	1230	338
25°	1097	1104	1126	1149	1158	505
35°	956	964	993	1018	1024	597
45°	780	791	817	837	842	602
55°	582	588	609	634	627	520
65°	367	371	379	385	387	363
75°	167	168	169	168	170	179
85°	30	33	31	30	30	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1255.2	1255.2	1255.2	1255.2	1255.2
2.5°	1255.2	1254.0	1251.6	1255.2	1257.6
5°	1250.4	1249.2	1247.9	1254.0	1256.4
7.5°	1241.9	1241.9	1243.1	1249.2	1251.6
10°	1229.8	1231.0	1233.4	1243.1	1245.5
12.5°	1215.3	1217.7	1223.8	1234.7	1239.5
15°	1198.4	1200.8	1209.3	1223.8	1229.8
17.5°	1176.7	1181.5	1193.6	1210.5	1216.5
20°	1152.5	1158.5	1174.3	1193.6	1200.8
22.5°	1125.9	1132.0	1152.5	1173.0	1180.3
25°	1096.9	1104.2	1125.9	1148.9	1158.5
27.5°	1065.5	1074.0	1098.1	1122.3	1132.0
30°	1030.5	1040.2	1065.5	1090.9	1099.4
32.5°	993.0	1002.7	1031.7	1055.9	1064.3
35°	955.6	964.0	993.0	1018.4	1024.5
37.5°	913.3	923.0	954.4	976.1	984.6
40°	872.2	881.9	909.7	931.4	938.7
42.5°	827.5	837.2	865.0	885.5	891.6
45°	780.4	791.3	816.7	837.2	842.0
47.5°	733.3	741.8	768.3	786.5	790.1
50°	683.8	692.2	716.4	734.5	738.1
52.5°	631.8	645.1	664.4	677.7	693.4
55°	582.3	588.3	608.9	634.2	627.0
57.5°	532.8	536.4	553.3	564.2	566.6
60°	478.4	483.2	496.5	502.6	508.6
62.5°	421.6	425.2	440.9	447.0	449.4
65°	367.3	370.9	379.3	385.4	386.6
67.5°	311.7	315.3	322.6	327.4	349.1
70°	260.9	263.4	267.0	276.6	270.6
72.5°	212.6	213.8	217.5	217.5	218.7
75°	166.7	167.9	169.1	167.9	170.3
77.5°	124.4	126.8	128.1	126.8	125.6
80°	89.4	91.8	90.6	88.2	88.2
82.5°	58.0	59.2	58.0	56.8	56.8
85°	30.2	32.6	31.4	30.2	30.2
87.5°	10.9	12.1	13.3	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)