

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: P297331

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297331  
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-36L82765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3666.0 lumens  
Efficiency: N/A  
Efficacy: 143.8 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

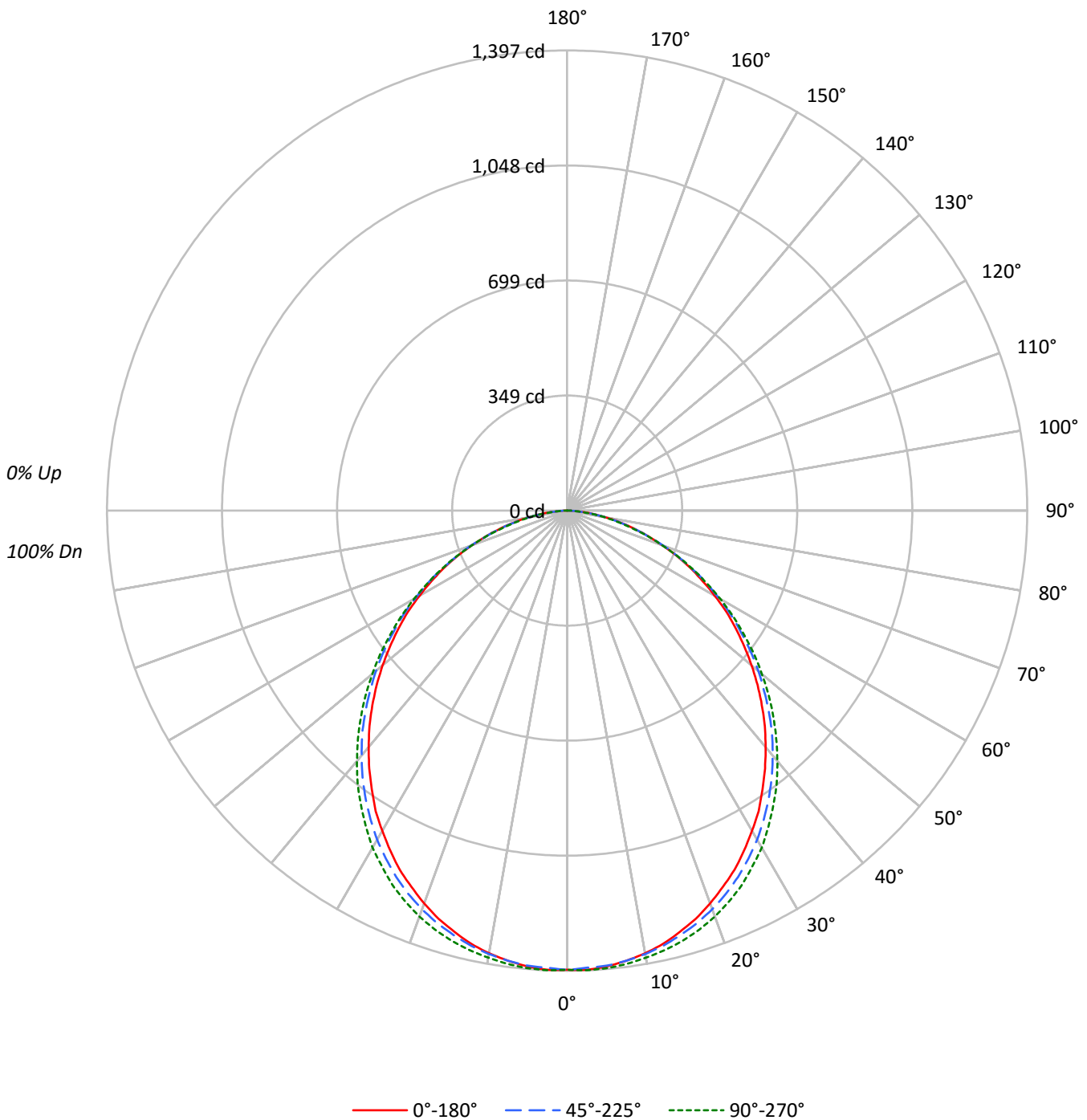
Input Watts (W): 25.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1876	1876	1876
5°	1876	1873	1883
10°	1864	1868	1883
15°	1844	1858	1884
20°	1818	1844	1878
25°	1786	1822	1863
30°	1744	1792	1836
35°	1698	1753	1793
40°	1646	1705	1744
45°	1591	1650	1685
50°	1530	1587	1616
55°	1466	1512	1535
60°	1392	1429	1446
65°	1313	1333	1341
70°	1205	1220	1205
75°	1085	1079	1046
80°	919	909	880
85°	687	667	591



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.0	3.6
10°-20°	377.1	10.3
20°-30°	565.4	15.4
30°-40°	665.9	18.2
40°-50°	666.0	18.2
50°-60°	574.6	15.7
60°-70°	413.5	11.3
70°-80°	219.3	6.0
80°-90°	52.3	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°	1074.5	29.3
0°-40°	1740.3	47.5
0°-60°	2980.9	81.3
0°-90°	3666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1389	1388	1387	1392	1394	132
15°	1324	1328	1334	1347	1352	373
25°	1203	1210	1228	1248	1255	553
35°	1034	1046	1067	1086	1092	647
45°	836	847	867	882	886	645
55°	625	631	645	656	654	559
65°	412	414	419	421	421	408
75°	209	206	208	202	201	222
85°	44	44	43	40	38	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1395.5	1393.0	1389.3	1394.2	1396.7
5°	1389.3	1388.1	1386.8	1391.8	1394.2
7.5°	1378.2	1379.4	1378.2	1385.6	1388.1
10°	1364.6	1365.8	1367.1	1375.7	1378.2
12.5°	1347.3	1348.6	1352.3	1363.4	1367.1
15°	1323.9	1327.6	1333.7	1347.3	1352.3
17.5°	1299.2	1304.1	1312.7	1328.8	1333.7
20°	1269.5	1275.7	1288.0	1305.3	1311.5
22.5°	1236.2	1242.3	1259.6	1278.2	1284.3
25°	1202.8	1210.2	1227.5	1248.5	1254.7
27.5°	1163.3	1173.2	1191.7	1212.7	1217.7
30°	1122.6	1131.2	1153.4	1173.2	1181.8
32.5°	1081.8	1090.5	1111.4	1131.2	1137.4
35°	1033.6	1046.0	1067.0	1085.5	1091.7
37.5°	986.7	997.8	1020.1	1038.6	1044.8
40°	937.3	947.2	970.7	988.0	992.9
42.5°	887.9	897.8	921.3	934.8	939.8
45°	836.1	847.2	866.9	881.7	885.5
47.5°	784.2	792.8	811.4	824.9	829.9
50°	731.1	739.7	758.3	769.4	771.8
52.5°	678.0	684.2	701.4	711.3	715.0
55°	624.9	631.1	644.6	655.8	654.5
57.5°	574.2	576.7	590.3	597.7	597.7
60°	517.4	519.9	531.0	536.0	537.2
62.5°	464.3	468.0	476.7	477.9	477.9
65°	412.5	413.7	418.6	421.1	421.1
67.5°	360.6	359.4	364.3	364.3	363.1
70°	306.3	308.7	310.0	307.5	306.3
72.5°	256.9	255.6	255.6	254.4	254.4
75°	208.7	206.2	207.5	202.5	201.3
77.5°	164.2	160.5	159.3	156.8	154.4
80°	118.6	118.6	117.3	114.8	113.6
82.5°	79.0	79.0	77.8	75.3	72.9
85°	44.5	44.5	43.2	39.5	38.3
87.5°	14.8	14.8	14.8	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)