

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: P297393

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297393  
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-74L82765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7261.0 lumens  
Efficiency: N/A  
Efficacy: 131.3 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

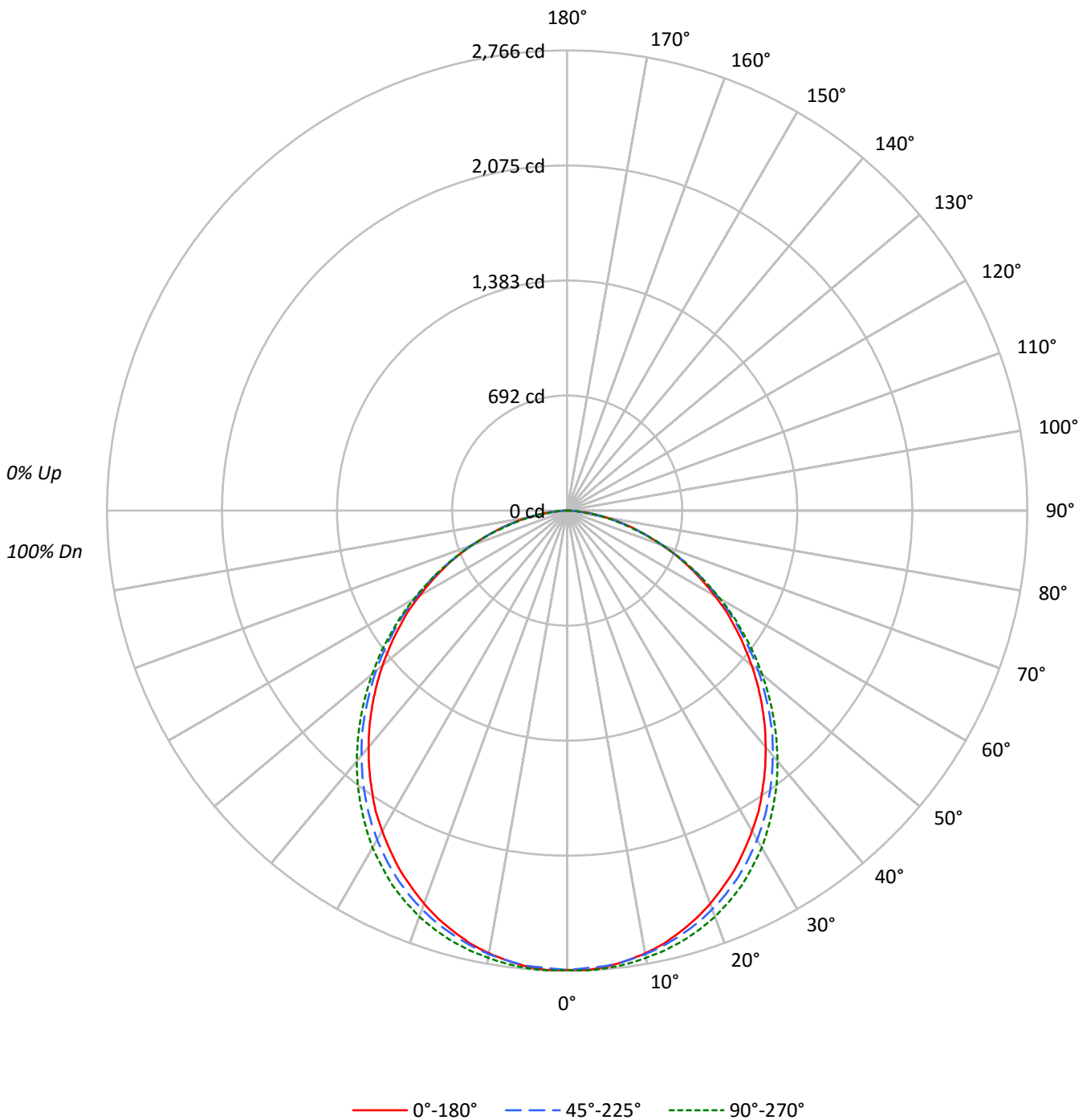
Input Watts (W): 55.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3716	3716	3716
5°	3717	3710	3730
10°	3693	3699	3729
15°	3652	3680	3731
20°	3600	3653	3719
25°	3537	3609	3689
30°	3454	3549	3637
35°	3363	3471	3551
40°	3261	3377	3454
45°	3151	3267	3337
50°	3031	3144	3200
55°	2903	2995	3041
60°	2758	2830	2863
65°	2601	2640	2656
70°	2386	2415	2386
75°	2149	2136	2073
80°	1819	1801	1743
85°	1360	1321	1170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.5	3.6
10°-20°	746.9	10.3
20°-30°	1119.8	15.4
30°-40°	1318.8	18.2
40°-50°	1319.0	18.2
50°-60°	1138.1	15.7
60°-70°	818.9	11.3
70°-80°	434.4	6.0
80°-90°	103.6	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°	2128.2	29.3
0°-40°	3447.0	47.5
0°-60°	5904.1	81.3
0°-90°	7261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7261.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2762	2762	2762	2762	2762	
5°	2752	2749	2747	2757	2762	261
15°	2622	2629	2642	2668	2678	739
25°	2382	2397	2431	2473	2485	1096
35°	2047	2072	2113	2150	2162	1281
45°	1656	1678	1717	1746	1754	1277
55°	1238	1250	1277	1299	1296	1108
65°	817	819	829	834	834	808
75°	413	408	411	401	399	440
85°	88	88	86	78	76	106
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2761.5	2761.5	2761.5	2761.5	2761.5
2.5°	2763.9	2759.0	2751.7	2761.5	2766.4
5°	2751.7	2749.3	2746.8	2756.6	2761.5
7.5°	2729.7	2732.1	2729.7	2744.4	2749.3
10°	2702.8	2705.2	2707.7	2724.8	2729.7
12.5°	2668.5	2671.0	2678.3	2700.3	2707.7
15°	2622.1	2629.4	2641.6	2668.5	2678.3
17.5°	2573.2	2582.9	2600.1	2631.9	2641.6
20°	2514.5	2526.7	2551.1	2585.4	2597.6
22.5°	2448.4	2460.6	2494.9	2531.6	2543.8
25°	2382.4	2397.0	2431.3	2472.9	2485.1
27.5°	2304.1	2323.7	2360.4	2401.9	2411.7
30°	2223.4	2240.5	2284.5	2323.7	2340.8
32.5°	2142.7	2159.8	2201.4	2240.5	2252.7
35°	2047.3	2071.7	2113.3	2150.0	2162.2
37.5°	1954.3	1976.3	2020.4	2057.1	2069.3
40°	1856.5	1876.1	1922.5	1956.8	1966.6
42.5°	1758.6	1778.2	1824.7	1851.6	1861.4
45°	1655.9	1677.9	1717.1	1746.4	1753.8
47.5°	1553.2	1570.3	1607.0	1633.9	1643.7
50°	1448.0	1465.1	1501.8	1523.8	1528.7
52.5°	1342.8	1355.1	1389.3	1408.9	1416.2
55°	1237.7	1249.9	1276.8	1298.8	1296.4
57.5°	1137.4	1142.3	1169.2	1183.8	1183.8
60°	1024.9	1029.8	1051.8	1061.5	1064.0
62.5°	919.7	927.0	944.1	946.6	946.6
65°	817.0	819.4	829.2	834.1	834.1
67.5°	714.2	711.8	721.6	721.6	719.1
70°	606.6	611.5	613.9	609.0	606.6
72.5°	508.8	506.3	506.3	503.9	503.9
75°	413.4	408.5	410.9	401.1	398.7
77.5°	325.3	318.0	315.5	310.6	305.7
80°	234.8	234.8	232.4	227.5	225.0
82.5°	156.5	156.5	154.1	149.2	144.3
85°	88.1	88.1	85.6	78.3	75.8
87.5°	29.4	29.4	29.4	29.4	29.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)