

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: P297395

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297395  
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-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7552.0 lumens  
Efficiency: N/A  
Efficacy: 134.6 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

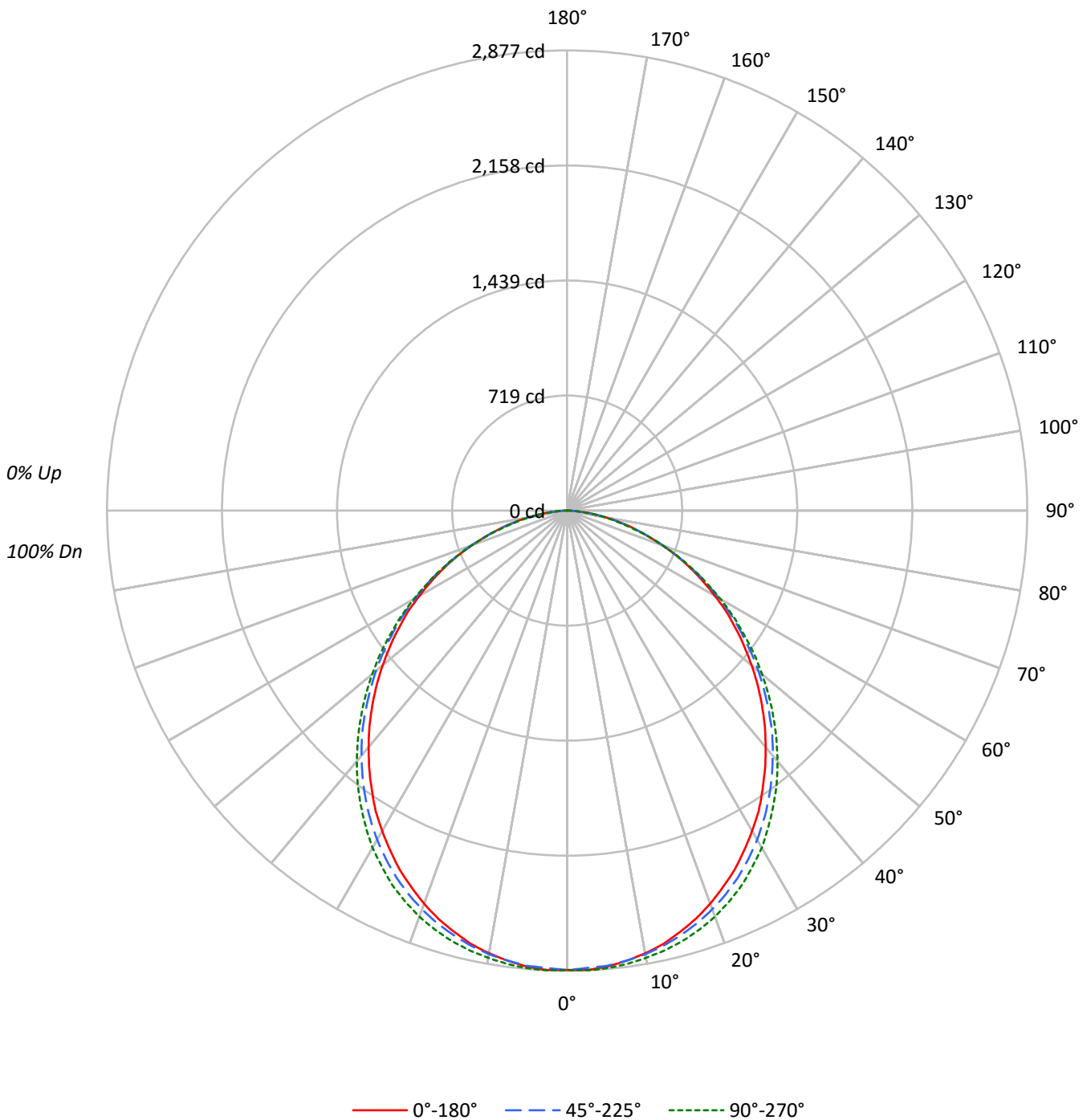
Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3865	3865	3865
5°	3866	3859	3879
10°	3841	3848	3879
15°	3799	3827	3880
20°	3745	3799	3868
25°	3679	3754	3837
30°	3593	3692	3782
35°	3497	3610	3694
40°	3391	3512	3593
45°	3277	3398	3471
50°	3152	3270	3328
55°	3020	3115	3163
60°	2868	2944	2978
65°	2705	2746	2762
70°	2482	2512	2482
75°	2235	2222	2156
80°	1892	1873	1813
85°	1414	1374	1218



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.9	3.6
10°-20°	776.8	10.3
20°-30°	1164.7	15.4
30°-40°	1371.7	18.2
40°-50°	1371.9	18.2
50°-60°	1183.7	15.7
60°-70°	851.7	11.3
70°-80°	451.8	6.0
80°-90°	107.7	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°	2213.5	29.3
0°-40°	3585.1	47.5
0°-60°	6140.7	81.3
0°-90°	7552.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2862	2859	2857	2867	2872	271
15°	2727	2735	2748	2776	2786	769
25°	2478	2493	2529	2572	2585	1140
35°	2129	2155	2198	2236	2249	1332
45°	1722	1745	1786	1816	1824	1329
55°	1287	1300	1328	1351	1348	1152
65°	850	852	862	868	868	840
75°	430	425	427	417	415	457
85°	92	92	89	81	79	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2872.2	2872.2	2872.2	2872.2	2872.2
2.5°	2874.7	2869.6	2862.0	2872.2	2877.3
5°	2862.0	2859.4	2856.9	2867.1	2872.2
7.5°	2839.1	2841.6	2839.1	2854.4	2859.4
10°	2811.1	2813.7	2816.2	2834.0	2839.1
12.5°	2775.5	2778.0	2785.7	2808.6	2816.2
15°	2727.2	2734.8	2747.5	2775.5	2785.7
17.5°	2676.3	2686.5	2704.3	2737.3	2747.5
20°	2615.2	2627.9	2653.4	2689.0	2701.7
22.5°	2546.5	2559.3	2594.9	2633.0	2645.7
25°	2477.8	2493.1	2528.7	2572.0	2584.7
27.5°	2396.4	2416.8	2455.0	2498.2	2508.4
30°	2312.5	2330.3	2376.1	2416.8	2434.6
32.5°	2228.5	2246.3	2289.6	2330.3	2343.0
35°	2129.3	2154.8	2198.0	2236.2	2248.9
37.5°	2032.6	2055.5	2101.3	2139.5	2152.2
40°	1930.9	1951.2	1999.6	2035.2	2045.4
42.5°	1829.1	1849.5	1897.8	1925.8	1936.0
45°	1722.3	1745.2	1785.9	1816.4	1824.0
47.5°	1615.4	1633.2	1671.4	1699.4	1709.6
50°	1506.0	1523.9	1562.0	1584.9	1590.0
52.5°	1396.7	1409.4	1445.0	1465.3	1473.0
55°	1287.3	1300.0	1328.0	1350.9	1348.3
57.5°	1183.0	1188.0	1216.0	1231.3	1231.3
60°	1065.9	1071.0	1093.9	1104.1	1106.6
62.5°	956.5	964.2	982.0	984.5	984.5
65°	849.7	852.2	862.4	867.5	867.5
67.5°	742.8	740.3	750.5	750.5	747.9
70°	630.9	636.0	638.5	633.5	630.9
72.5°	529.1	526.6	526.6	524.1	524.1
75°	429.9	424.8	427.4	417.2	414.7
77.5°	338.4	330.7	328.2	323.1	318.0
80°	244.2	244.2	241.7	236.6	234.0
82.5°	162.8	162.8	160.3	155.2	150.1
85°	91.6	91.6	89.0	81.4	78.9
87.5°	30.5	30.5	30.5	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)