

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: P297404

Luminaire Tested: **D3X-WO-80L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297404  
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-80L82765-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: 8191.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 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

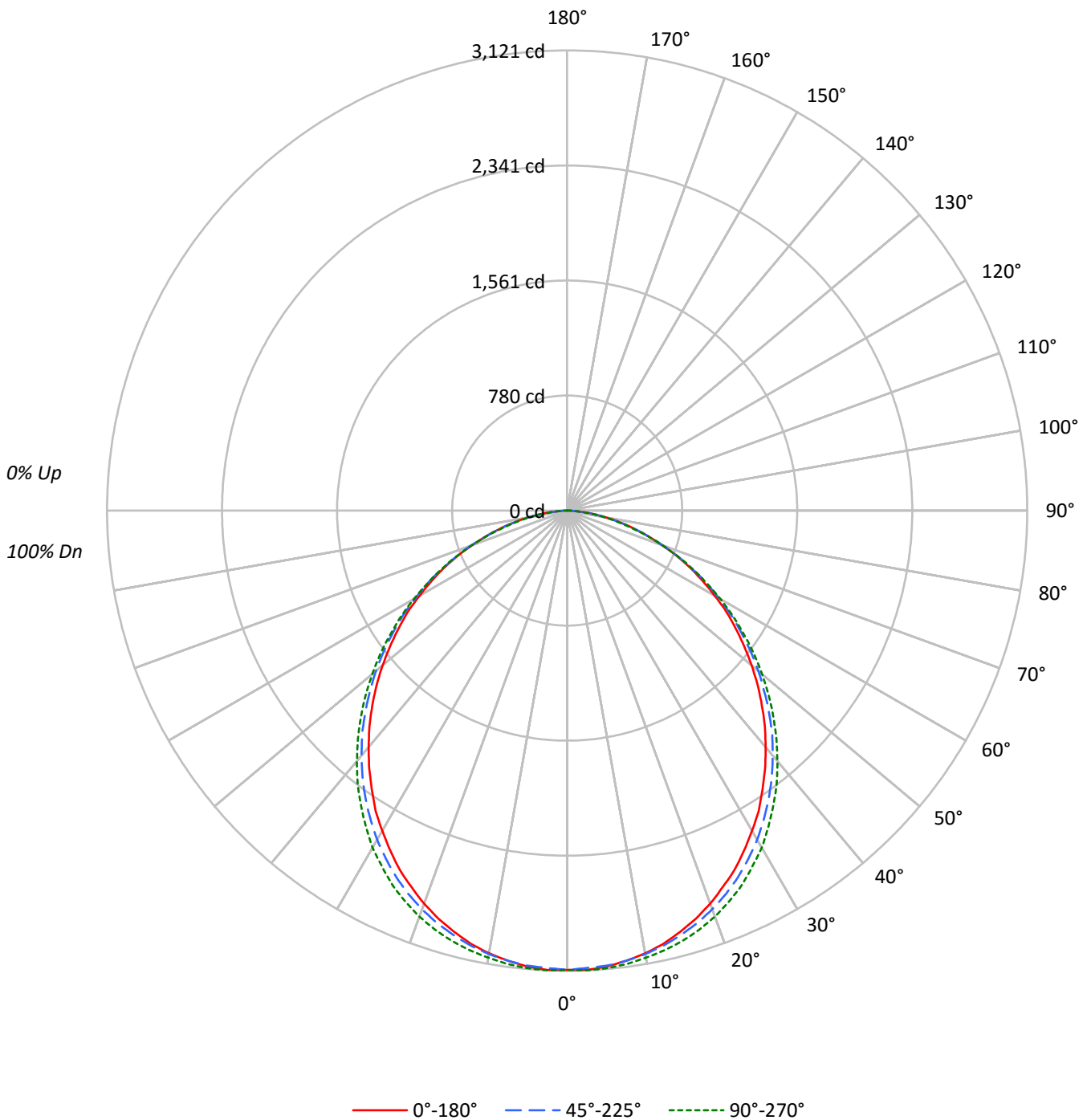
Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4191	4191	4191
5°	4193	4185	4207
10°	4166	4173	4207
15°	4120	4151	4209
20°	4061	4121	4196
25°	3990	4072	4162
30°	3897	4004	4103
35°	3793	3916	4006
40°	3678	3809	3896
45°	3554	3686	3765
50°	3419	3546	3610
55°	3275	3379	3430
60°	3111	3193	3230
65°	2934	2978	2996
70°	2692	2725	2692
75°	2424	2410	2338
80°	2053	2031	1967
85°	1533	1491	1320



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.9	3.6
10°-20°	842.6	10.3
20°-30°	1263.3	15.4
30°-40°	1487.7	18.2
40°-50°	1488.0	18.2
50°-60°	1283.9	15.7
60°-70°	923.8	11.3
70°-80°	490.0	6.0
80°-90°	116.9	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°	2400.8	29.3
0°-40°	3888.5	47.5
0°-60°	6660.3	81.3
0°-90°	8191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3115	3115	3115	3115	3115	
5°	3104	3101	3099	3110	3115	294
15°	2958	2966	2980	3010	3021	834
25°	2688	2704	2743	2790	2803	1236
35°	2310	2337	2384	2425	2439	1445
45°	1868	1893	1937	1970	1978	1441
55°	1396	1410	1440	1465	1462	1249
65°	922	924	935	941	941	911
75°	466	461	464	452	450	496
85°	99	99	97	88	86	120
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3115.2	3115.2	3115.2	3115.2	3115.2
2.5°	3117.9	3112.4	3104.2	3115.2	3120.7
5°	3104.2	3101.4	3098.6	3109.7	3115.2
7.5°	3079.3	3082.1	3079.3	3095.9	3101.4
10°	3049.0	3051.7	3054.5	3073.8	3079.3
12.5°	3010.3	3013.1	3021.4	3046.2	3054.5
15°	2957.9	2966.2	2980.0	3010.3	3021.4
17.5°	2902.7	2913.8	2933.1	2968.9	2980.0
20°	2836.5	2850.3	2877.9	2916.5	2930.3
22.5°	2762.0	2775.8	2814.4	2855.8	2869.6
25°	2687.5	2704.1	2742.7	2789.6	2803.4
27.5°	2599.2	2621.3	2662.7	2709.6	2720.6
30°	2508.2	2527.5	2577.1	2621.3	2640.6
32.5°	2417.1	2436.4	2483.3	2527.5	2541.3
35°	2309.5	2337.1	2384.0	2425.4	2439.2
37.5°	2204.6	2229.5	2279.1	2320.5	2334.3
40°	2094.3	2116.3	2168.8	2207.4	2218.4
42.5°	1983.9	2006.0	2058.4	2088.7	2099.8
45°	1868.0	1892.8	1937.0	1970.1	1978.4
47.5°	1752.1	1771.4	1812.8	1843.2	1854.2
50°	1633.5	1652.8	1694.2	1719.0	1724.5
52.5°	1514.8	1528.6	1567.3	1589.3	1597.6
55°	1396.2	1410.0	1440.3	1465.2	1462.4
57.5°	1283.0	1288.6	1318.9	1335.5	1335.5
60°	1156.1	1161.6	1186.5	1197.5	1200.3
62.5°	1037.5	1045.8	1065.1	1067.8	1067.8
65°	921.6	924.3	935.4	940.9	940.9
67.5°	805.7	802.9	814.0	814.0	811.2
70°	684.3	689.8	692.6	687.1	684.3
72.5°	573.9	571.2	571.2	568.4	568.4
75°	466.3	460.8	463.6	452.5	449.8
77.5°	367.0	358.7	355.9	350.4	344.9
80°	264.9	264.9	262.1	256.6	253.9
82.5°	176.6	176.6	173.8	168.3	162.8
85°	99.3	99.3	96.6	88.3	85.5
87.5°	33.1	33.1	33.1	33.1	33.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)