

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: P297542

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297542  
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-80L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6899.0 lumens  
Efficiency: N/A  
Efficacy: 113.3 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

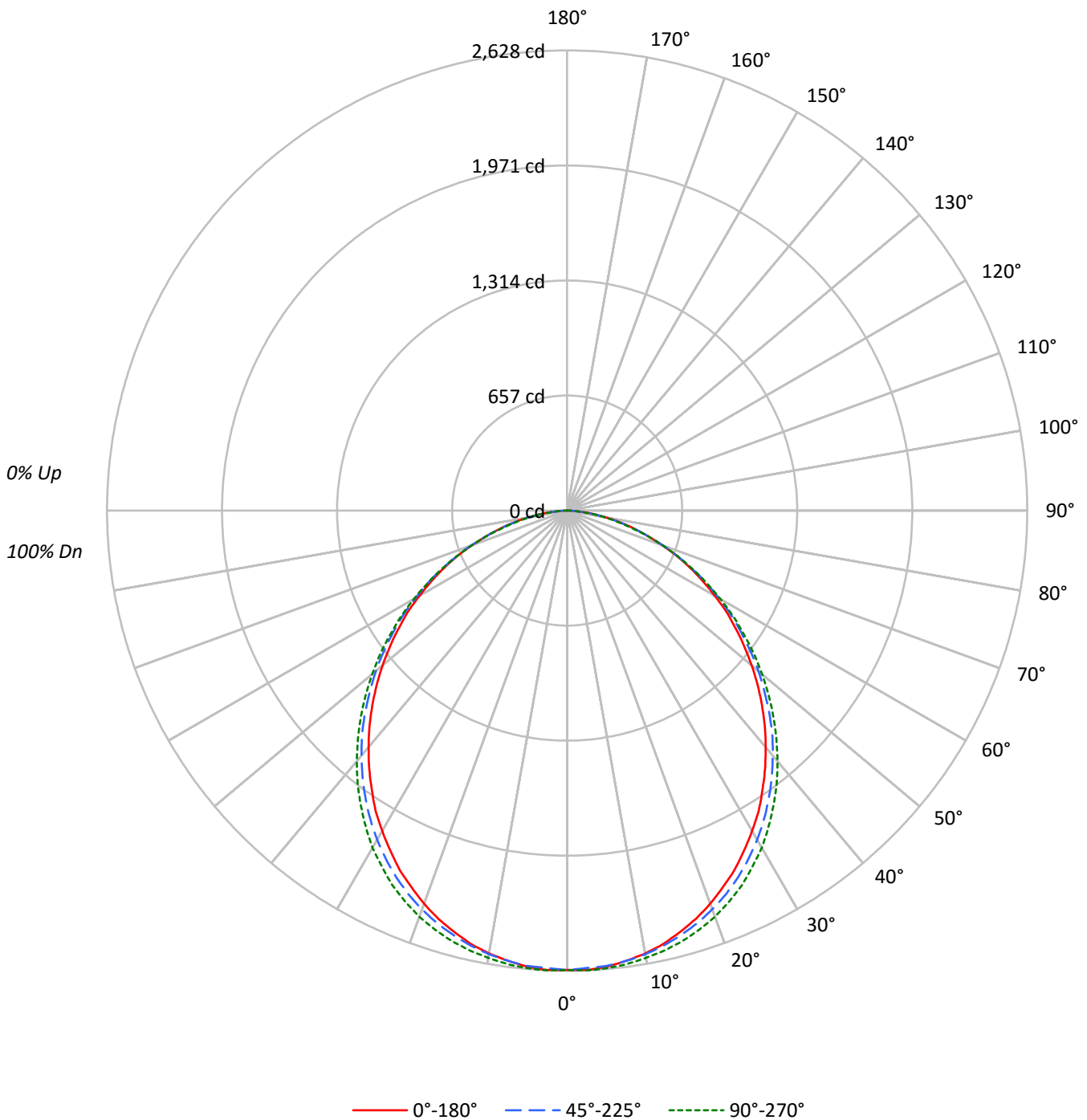
Input Watts (W): 60.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297542

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P297542

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-3500K

**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°	3530	3530	3530
5°	3531	3525	3544
10°	3509	3515	3543
15°	3470	3496	3545
20°	3421	3471	3534
25°	3361	3430	3505
30°	3282	3372	3455
35°	3195	3298	3374
40°	3098	3208	3282
45°	2994	3104	3171
50°	2880	2987	3040
55°	2759	2846	2889
60°	2620	2689	2720
65°	2471	2508	2523
70°	2268	2295	2268
75°	2042	2030	1969
80°	1729	1711	1657
85°	1292	1255	1112



TEST NUMBER: P297542

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.4	3.6
10°-20°	709.7	10.3
20°-30°	1064.0	15.4
30°-40°	1253.0	18.2
40°-50°	1253.3	18.2
50°-60°	1081.3	15.7
60°-70°	778.1	11.3
70°-80°	412.7	6.0
80°-90°	98.4	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°	2022.1	29.3
0°-40°	3275.1	47.5
0°-60°	5609.7	81.3
0°-90°	6899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6899.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2624	2624	2624	2624	2624	
5°	2614	2612	2610	2619	2624	248
15°	2491	2498	2510	2536	2545	703
25°	2264	2278	2310	2350	2361	1041
35°	1945	1968	2008	2043	2054	1217
45°	1573	1594	1632	1659	1666	1214
55°	1176	1188	1213	1234	1232	1052
65°	776	778	788	792	792	768
75°	393	388	390	381	379	418
85°	84	84	81	74	72	101
90°	0	0	0	0	0	



TEST NUMBER: P297542

CATALOG NUMBER: D3X-WO-80L92765-LD5-UNV-24-T1-W2A-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2623.8	2623.8	2623.8	2623.8	2623.8
2.5°	2626.1	2621.5	2614.5	2623.8	2628.5
5°	2614.5	2612.2	2609.9	2619.2	2623.8
7.5°	2593.6	2595.9	2593.6	2607.5	2612.2
10°	2568.0	2570.4	2572.7	2589.0	2593.6
12.5°	2535.5	2537.8	2544.8	2565.7	2572.7
15°	2491.3	2498.3	2509.9	2535.5	2544.8
17.5°	2444.9	2454.2	2470.4	2500.6	2509.9
20°	2389.1	2400.7	2424.0	2456.5	2468.1
22.5°	2326.3	2338.0	2370.5	2405.4	2417.0
25°	2263.6	2277.5	2310.1	2349.6	2361.2
27.5°	2189.2	2207.8	2242.7	2282.2	2291.5
30°	2112.5	2128.8	2170.6	2207.8	2224.1
32.5°	2035.8	2052.1	2091.6	2128.8	2140.4
35°	1945.2	1968.4	2008.0	2042.8	2054.4
37.5°	1856.9	1877.8	1919.6	1954.5	1966.1
40°	1763.9	1782.5	1826.7	1859.2	1868.5
42.5°	1671.0	1689.6	1733.7	1759.3	1768.6
45°	1573.4	1594.3	1631.5	1659.3	1666.3
47.5°	1475.8	1492.0	1526.9	1552.4	1561.7
50°	1375.8	1392.1	1426.9	1447.9	1452.5
52.5°	1275.9	1287.5	1320.0	1338.6	1345.6
55°	1176.0	1187.6	1213.1	1234.1	1231.7
57.5°	1080.7	1085.3	1110.9	1124.8	1124.8
60°	973.8	978.4	999.3	1008.6	1010.9
62.5°	873.8	880.8	897.1	899.4	899.4
65°	776.2	778.5	787.8	792.5	792.5
67.5°	678.6	676.3	685.6	685.6	683.3
70°	576.4	581.0	583.3	578.7	576.4
72.5°	483.4	481.1	481.1	478.7	478.7
75°	392.8	388.1	390.4	381.1	378.8
77.5°	309.1	302.1	299.8	295.2	290.5
80°	223.1	223.1	220.8	216.1	213.8
82.5°	148.7	148.7	146.4	141.8	137.1
85°	83.7	83.7	81.3	74.4	72.0
87.5°	27.9	27.9	27.9	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)