

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: P297094

Luminaire Tested: **D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5348.0 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

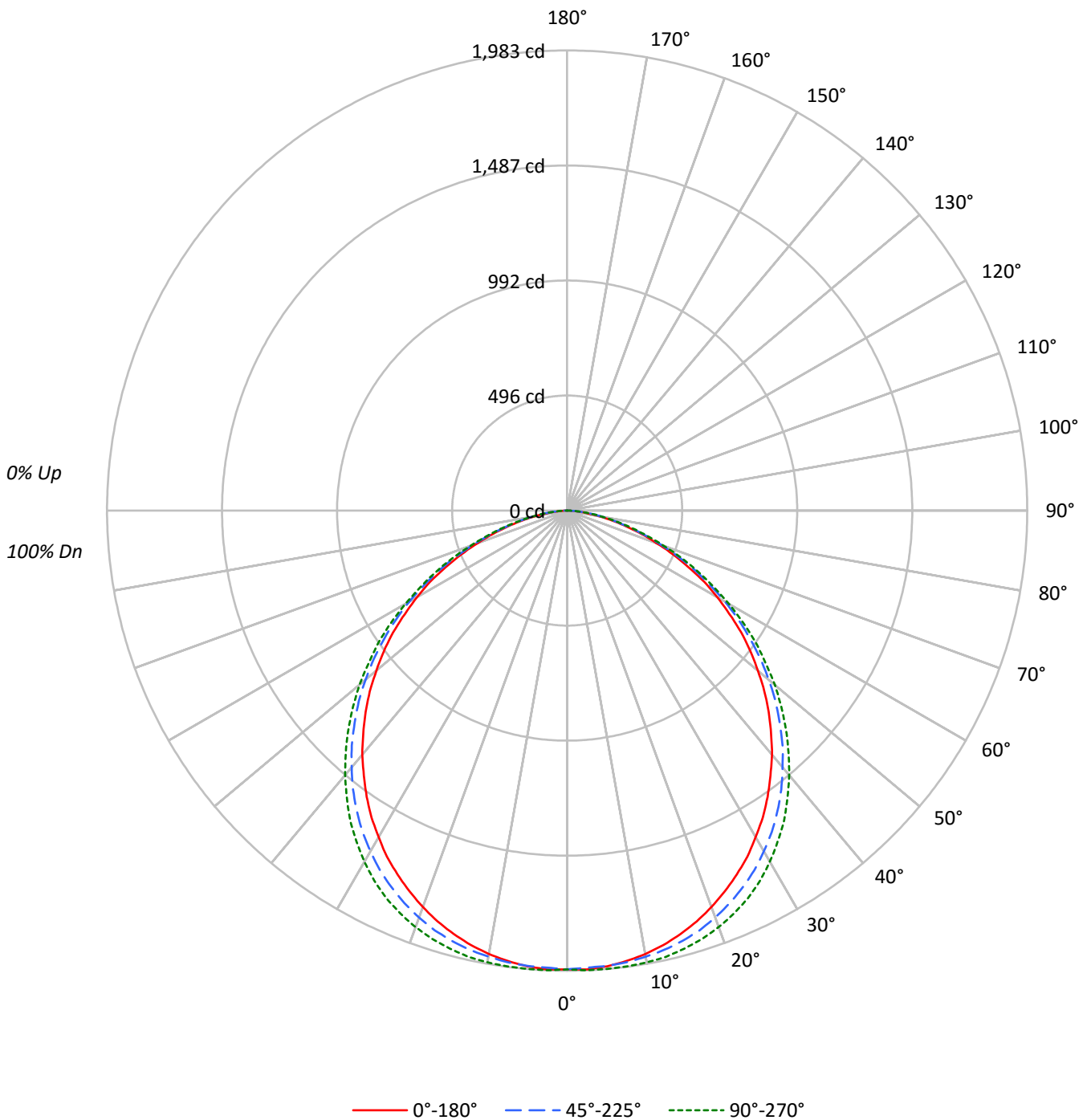
Input Watts (W): 43  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297094

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P297094

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K

**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	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	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	27		38	32	27		37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2660	2660	2660
5°	2662	2660	2678
10°	2651	2667	2701
15°	2631	2674	2722
20°	2603	2672	2735
25°	2568	2659	2736
30°	2524	2634	2715
35°	2473	2596	2678
40°	2413	2537	2614
45°	2337	2464	2537
50°	2246	2374	2446
55°	2148	2256	2328
60°	2010	2114	2165
65°	1836	1933	1982
70°	1613	1696	1741
75°	1365	1434	1484
80°	1083	1188	1217
85°	739	888	858



TEST NUMBER: P297094

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.8	3.5
10°-20°	542.3	10.1
20°-30°	824.2	15.4
30°-40°	983.5	18.4
40°-50°	993.3	18.6
50°-60°	855.8	16.0
60°-70°	596.5	11.2
70°-80°	295.6	5.5
80°-90°	68.9	1.3
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°	1554.4	29.1
0°-40°	2537.8	47.5
0°-60°	4386.9	82.0
0°-90°	5348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5348.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1977	1977	1977	1977	1977	
5°	1971	1969	1969	1979	1983	187
15°	1889	1898	1920	1944	1954	533
25°	1730	1753	1791	1828	1843	797
35°	1506	1531	1580	1617	1630	941
45°	1228	1255	1295	1326	1333	947
55°	916	935	962	985	992	816
65°	577	588	607	613	623	573
75°	262	266	276	282	285	283
85°	48	58	58	54	56	61
90°	0	0	0	0	0	



TEST NUMBER: P297094

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1977.0	1977.0	1977.0	1977.0	1977.0
2.5°	1979.0	1975.1	1971.3	1979.0	1982.8
5°	1971.3	1969.4	1969.4	1979.0	1982.8
7.5°	1957.9	1957.9	1963.6	1977.0	1980.9
10°	1940.6	1944.5	1952.1	1971.3	1977.0
12.5°	1917.7	1925.3	1938.7	1961.7	1969.4
15°	1888.9	1898.5	1919.6	1944.5	1954.1
17.5°	1856.4	1869.8	1896.6	1925.3	1934.9
20°	1818.0	1835.3	1865.9	1898.5	1910.0
22.5°	1775.9	1797.0	1831.4	1865.9	1879.3
25°	1729.9	1752.9	1791.2	1827.6	1842.9
27.5°	1682.0	1705.0	1747.2	1783.6	1798.9
30°	1624.5	1651.4	1695.4	1733.7	1747.2
32.5°	1569.0	1595.8	1641.8	1676.3	1689.7
35°	1505.8	1530.7	1580.5	1616.9	1630.3
37.5°	1438.7	1467.5	1515.3	1547.9	1559.4
40°	1373.6	1398.5	1444.5	1477.0	1488.5
42.5°	1300.8	1327.6	1373.6	1402.3	1411.9
45°	1228.0	1254.8	1295.0	1325.7	1333.4
47.5°	1153.3	1178.2	1218.4	1243.3	1251.0
50°	1072.8	1095.8	1134.1	1159.0	1168.6
52.5°	996.2	1017.3	1049.8	1070.9	1076.6
55°	915.7	934.9	961.7	984.7	992.4
57.5°	829.5	850.6	875.5	894.6	900.4
60°	747.1	764.4	785.5	802.7	804.6
62.5°	666.7	674.3	693.5	708.8	710.7
65°	576.6	588.1	607.3	613.0	622.6
67.5°	494.3	501.9	517.2	524.9	532.6
70°	410.0	415.7	431.0	440.6	442.5
72.5°	337.2	339.1	350.6	358.2	360.2
75°	262.5	266.3	275.9	281.6	285.4
77.5°	199.2	203.1	210.7	214.6	214.6
80°	139.8	145.6	153.3	155.2	157.1
82.5°	90.0	97.7	103.4	105.4	101.5
85°	47.9	57.5	57.5	53.6	55.6
87.5°	17.2	21.1	23.0	24.9	24.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)