

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: P296957

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-60L92765-LD5-UNV-24-T1-W2A-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5124.0 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

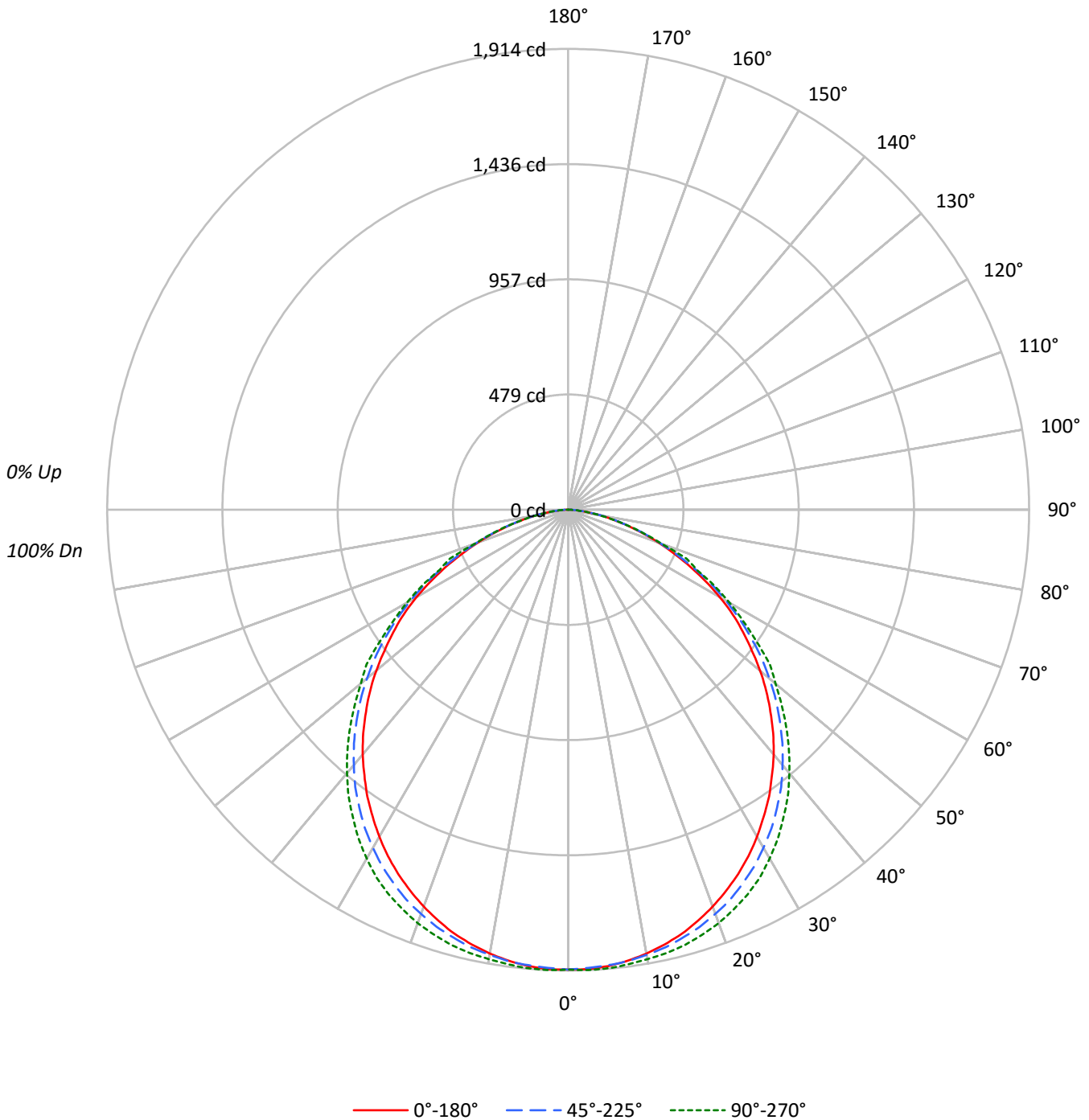
Input Watts (W): 44.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2570	2570	2570
5°	2570	2565	2582
10°	2557	2565	2590
15°	2540	2563	2607
20°	2511	2559	2617
25°	2478	2544	2617
30°	2436	2519	2599
35°	2389	2482	2561
40°	2331	2432	2509
45°	2260	2365	2438
50°	2178	2282	2351
55°	2079	2174	2238
60°	1959	2033	2083
65°	1779	1838	1873
70°	1562	1598	1620
75°	1319	1338	1347
80°	1054	1068	1040
85°	710	738	710



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.0	3.5
10°-20°	520.6	10.2
20°-30°	789.9	15.4
30°-40°	943.0	18.4
40°-50°	954.7	18.6
50°-60°	825.2	16.1
60°-70°	571.9	11.2
70°-80°	276.7	5.4
80°-90°	60.8	1.2
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°	1491.5	29.1
0°-40°	2434.5	47.5
0°-60°	4214.5	82.2
0°-90°	5124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5124.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1910	1910	1910	1910	1910	
5°	1903	1901	1899	1908	1912	181
15°	1824	1828	1840	1862	1872	514
25°	1669	1680	1714	1748	1763	769
35°	1454	1467	1511	1550	1559	908
45°	1188	1204	1243	1274	1281	916
55°	886	895	927	965	954	792
65°	559	564	577	586	588	553
75°	254	256	257	256	259	272
85°	46	50	48	46	46	59
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1910.2	1910.2	1910.2	1910.2	1910.2
2.5°	1910.2	1908.4	1904.7	1910.2	1913.9
5°	1902.8	1901.0	1899.2	1908.4	1912.0
7.5°	1890.0	1890.0	1891.8	1901.0	1904.7
10°	1871.6	1873.4	1877.1	1891.8	1895.5
12.5°	1849.5	1853.2	1862.4	1878.9	1886.3
15°	1823.8	1827.5	1840.3	1862.4	1871.6
17.5°	1790.7	1798.0	1816.4	1842.2	1851.4
20°	1753.9	1763.1	1787.0	1816.4	1827.5
22.5°	1713.5	1722.7	1753.9	1785.2	1796.2
25°	1669.3	1680.4	1713.5	1748.4	1763.1
27.5°	1621.5	1634.4	1671.2	1708.0	1722.7
30°	1568.2	1582.9	1621.5	1660.2	1673.0
32.5°	1511.2	1525.9	1570.1	1606.8	1619.7
35°	1454.2	1467.1	1511.2	1549.8	1559.0
37.5°	1389.9	1404.6	1452.4	1485.5	1498.4
40°	1327.4	1342.1	1384.4	1417.5	1428.5
42.5°	1259.4	1274.1	1316.4	1347.6	1356.8
45°	1187.7	1204.2	1242.8	1274.1	1281.4
47.5°	1116.0	1128.8	1169.3	1196.9	1202.4
50°	1040.6	1053.5	1090.2	1117.8	1123.3
52.5°	961.5	981.8	1011.2	1031.4	1055.3
55°	886.2	895.3	926.6	965.2	954.2
57.5°	810.8	816.3	842.0	858.6	862.3
60°	728.0	735.4	755.6	764.8	774.0
62.5°	641.6	647.1	671.0	680.2	683.9
65°	558.9	564.4	577.3	586.5	588.3
67.5°	474.3	479.8	490.9	498.2	531.3
70°	397.1	400.8	406.3	421.0	411.8
72.5°	323.6	325.4	330.9	330.9	332.8
75°	253.7	255.6	257.4	255.6	259.2
77.5°	189.4	193.0	194.9	193.0	191.2
80°	136.0	139.7	137.9	134.2	134.2
82.5°	88.2	90.1	88.2	86.4	86.4
85°	46.0	49.6	47.8	46.0	46.0
87.5°	16.5	18.4	20.2	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)