

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: P296959

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296959  
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-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5308.0 lumens  
Efficiency: N/A  
Efficacy: 119.3 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

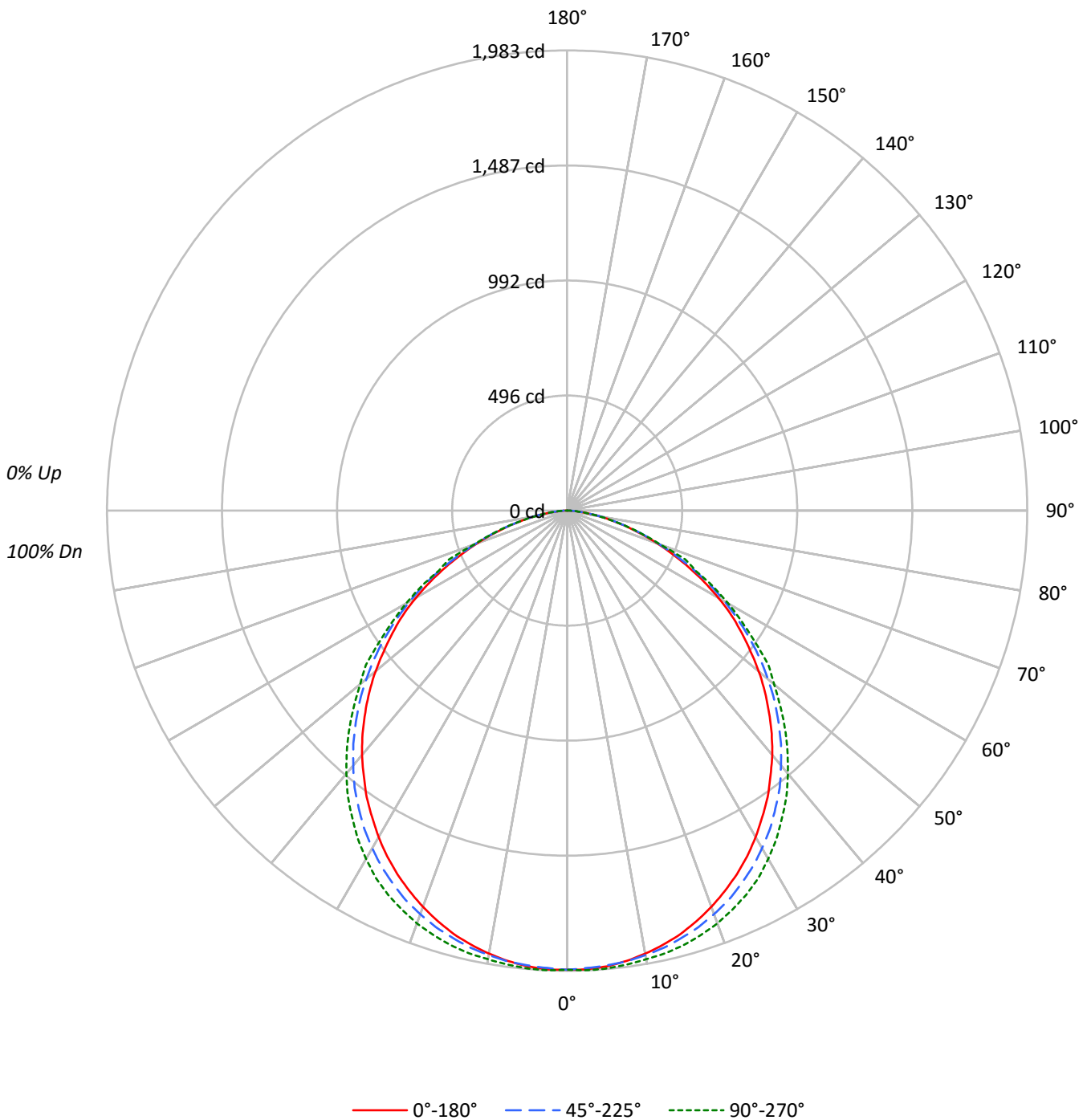
Input Watts (W): 44.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2662	2662	2662
5°	2662	2657	2675
10°	2649	2657	2683
15°	2632	2656	2701
20°	2602	2651	2711
25°	2567	2635	2711
30°	2524	2610	2693
35°	2474	2571	2653
40°	2415	2519	2599
45°	2341	2450	2526
50°	2256	2364	2436
55°	2153	2252	2319
60°	2030	2106	2158
65°	1843	1904	1940
70°	1618	1656	1678
75°	1366	1386	1396
80°	1092	1106	1077
85°	735	764	735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.5	3.5
10°-20°	539.3	10.2
20°-30°	818.2	15.4
30°-40°	976.9	18.4
40°-50°	989.0	18.6
50°-60°	854.9	16.1
60°-70°	592.5	11.2
70°-80°	286.7	5.4
80°-90°	63.0	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°	1545.1	29.1
0°-40°	2521.9	47.5
0°-60°	4365.8	82.2
0°-90°	5308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1979	1979	1979	1979	1979	
5°	1971	1969	1967	1977	1981	187
15°	1889	1893	1906	1929	1939	532
25°	1729	1741	1775	1811	1826	796
35°	1506	1520	1566	1606	1615	941
45°	1230	1248	1287	1320	1327	949
55°	918	928	960	1000	988	820
65°	579	585	598	608	609	573
75°	263	265	267	265	268	282
85°	48	51	50	48	48	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1978.8	1978.8	1978.8	1978.8	1978.8
2.5°	1978.8	1976.9	1973.1	1978.8	1982.6
5°	1971.2	1969.3	1967.4	1976.9	1980.7
7.5°	1957.8	1957.8	1959.7	1969.3	1973.1
10°	1938.8	1940.7	1944.5	1959.7	1963.5
12.5°	1915.9	1919.7	1929.3	1946.4	1954.0
15°	1889.3	1893.1	1906.4	1929.3	1938.8
17.5°	1855.0	1862.6	1881.7	1908.3	1917.8
20°	1816.9	1826.4	1851.2	1881.7	1893.1
22.5°	1775.0	1784.5	1816.9	1849.3	1860.7
25°	1729.3	1740.7	1775.0	1811.2	1826.4
27.5°	1679.8	1693.1	1731.2	1769.3	1784.5
30°	1624.5	1639.8	1679.8	1719.8	1733.1
32.5°	1565.5	1580.7	1626.5	1664.5	1677.9
35°	1506.5	1519.8	1565.5	1605.5	1615.0
37.5°	1439.8	1455.0	1504.6	1538.8	1552.2
40°	1375.1	1390.3	1434.1	1468.4	1479.8
42.5°	1304.6	1319.8	1363.6	1396.0	1405.5
45°	1230.3	1247.5	1287.4	1319.8	1327.4
47.5°	1156.0	1169.4	1211.3	1239.8	1245.5
50°	1078.0	1091.3	1129.4	1157.9	1163.7
52.5°	996.1	1017.0	1047.5	1068.4	1093.2
55°	918.0	927.5	959.9	999.9	988.4
57.5°	839.9	845.6	872.3	889.4	893.2
60°	754.2	761.8	782.8	792.3	801.8
62.5°	664.7	670.4	695.1	704.7	708.5
65°	579.0	584.7	598.0	607.5	609.4
67.5°	491.4	497.1	508.5	516.1	550.4
70°	411.4	415.2	420.9	436.1	426.6
72.5°	335.2	337.1	342.8	342.8	344.7
75°	262.8	264.7	266.6	264.7	268.5
77.5°	196.2	200.0	201.9	200.0	198.1
80°	140.9	144.7	142.8	139.0	139.0
82.5°	91.4	93.3	91.4	89.5	89.5
85°	47.6	51.4	49.5	47.6	47.6
87.5°	17.1	19.0	20.9	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)