

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: P296958

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296958  
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-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5227.0 lumens  
Efficiency: N/A  
Efficacy: 118.0 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

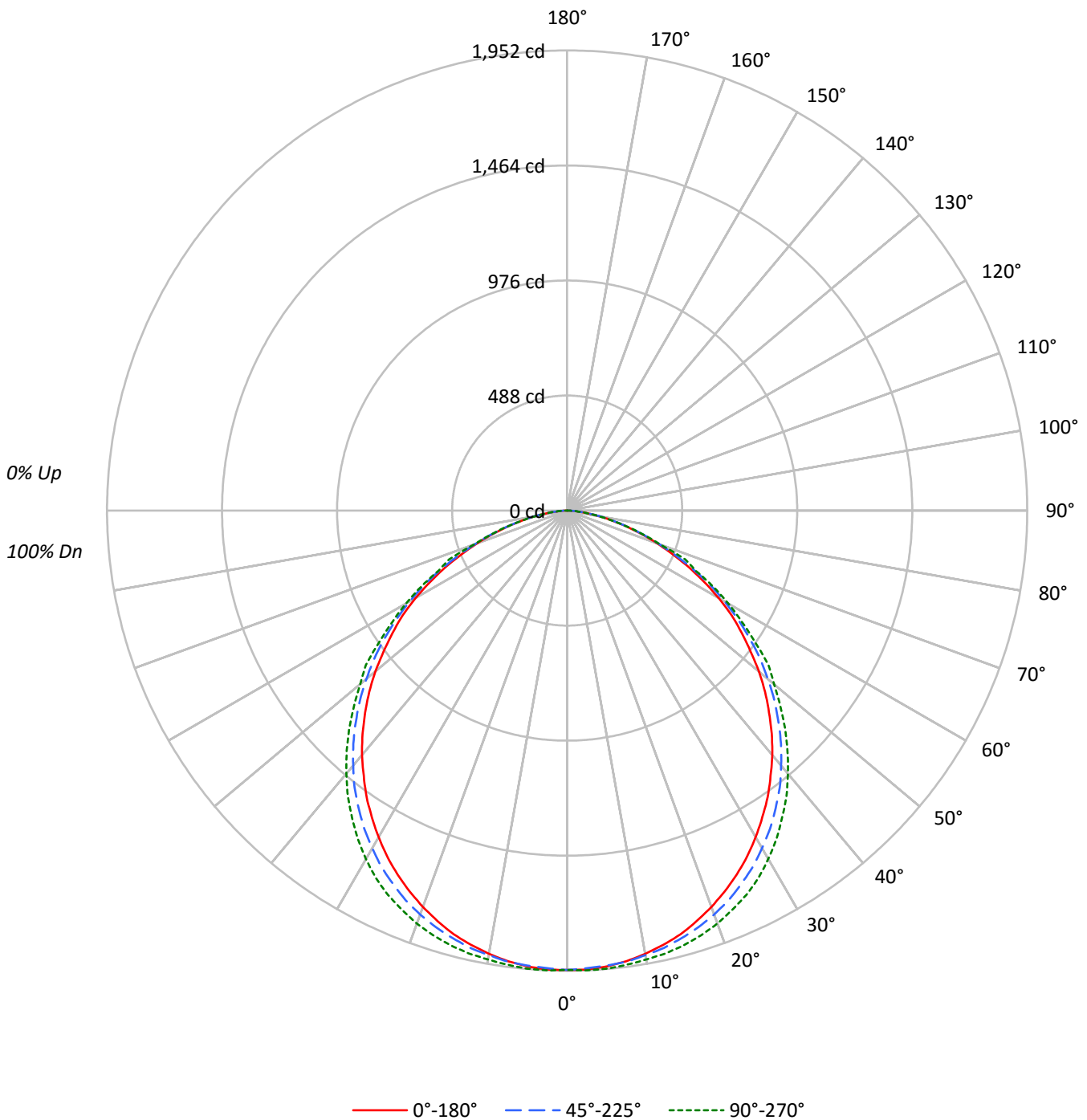
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2622	2622	2622
5°	2622	2617	2634
10°	2608	2616	2642
15°	2591	2615	2659
20°	2562	2610	2669
25°	2528	2595	2670
30°	2486	2570	2652
35°	2437	2532	2612
40°	2378	2480	2559
45°	2305	2412	2487
50°	2222	2328	2399
55°	2121	2217	2283
60°	1999	2074	2125
65°	1815	1875	1911
70°	1594	1631	1653
75°	1345	1365	1375
80°	1075	1090	1061
85°	724	753	724



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.7	3.5
10°-20°	531.1	10.2
20°-30°	805.8	15.4
30°-40°	962.0	18.4
40°-50°	973.9	18.6
50°-60°	841.8	16.1
60°-70°	583.5	11.2
70°-80°	282.3	5.4
80°-90°	62.1	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°	1521.5	29.1
0°-40°	2483.5	47.5
0°-60°	4299.2	82.2
0°-90°	5227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5227.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1949	1949	1949	1949	1949	
5°	1941	1939	1937	1947	1950	184
15°	1860	1864	1877	1900	1909	524
25°	1703	1714	1748	1784	1799	784
35°	1484	1497	1542	1581	1590	927
45°	1212	1228	1268	1300	1307	934
55°	904	913	945	985	973	808
65°	570	576	589	598	600	564
75°	259	261	263	261	264	278
85°	47	51	49	47	47	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1948.6	1948.6	1948.6	1948.6	1948.6
2.5°	1948.6	1946.7	1943.0	1948.6	1952.3
5°	1941.1	1939.2	1937.3	1946.7	1950.5
7.5°	1928.0	1928.0	1929.8	1939.2	1943.0
10°	1909.2	1911.1	1914.8	1929.8	1933.6
12.5°	1886.7	1890.4	1899.8	1916.7	1924.2
15°	1860.4	1864.2	1877.3	1899.8	1909.2
17.5°	1826.7	1834.2	1852.9	1879.2	1888.6
20°	1789.2	1798.6	1822.9	1852.9	1864.2
22.5°	1747.9	1757.3	1789.2	1821.1	1832.3
25°	1702.9	1714.2	1747.9	1783.5	1798.6
27.5°	1654.1	1667.3	1704.8	1742.3	1757.3
30°	1599.8	1614.8	1654.1	1693.5	1706.7
32.5°	1541.6	1556.6	1601.6	1639.1	1652.3
35°	1483.5	1496.6	1541.6	1581.0	1590.4
37.5°	1417.8	1432.8	1481.6	1515.4	1528.5
40°	1354.1	1369.1	1412.2	1446.0	1457.2
42.5°	1284.7	1299.7	1342.8	1374.7	1384.1
45°	1211.5	1228.4	1267.8	1299.7	1307.2
47.5°	1138.4	1151.5	1192.8	1220.9	1226.5
50°	1061.5	1074.6	1112.1	1140.3	1145.9
52.5°	980.9	1001.5	1031.5	1052.1	1076.5
55°	904.0	913.3	945.2	984.6	973.4
57.5°	827.1	832.7	859.0	875.8	879.6
60°	742.7	750.2	770.8	780.2	789.6
62.5°	654.5	660.2	684.5	693.9	697.7
65°	570.1	575.8	588.9	598.3	600.1
67.5°	483.9	489.5	500.7	508.2	542.0
70°	405.1	408.8	414.5	429.5	420.1
72.5°	330.1	332.0	337.6	337.6	339.5
75°	258.8	260.7	262.6	260.7	264.4
77.5°	193.2	196.9	198.8	196.9	195.0
80°	138.8	142.5	140.7	136.9	136.9
82.5°	90.0	91.9	90.0	88.1	88.1
85°	46.9	50.6	48.8	46.9	46.9
87.5°	16.9	18.8	20.6	22.5	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)