

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: P296814

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296814  
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-60L82765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5339.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

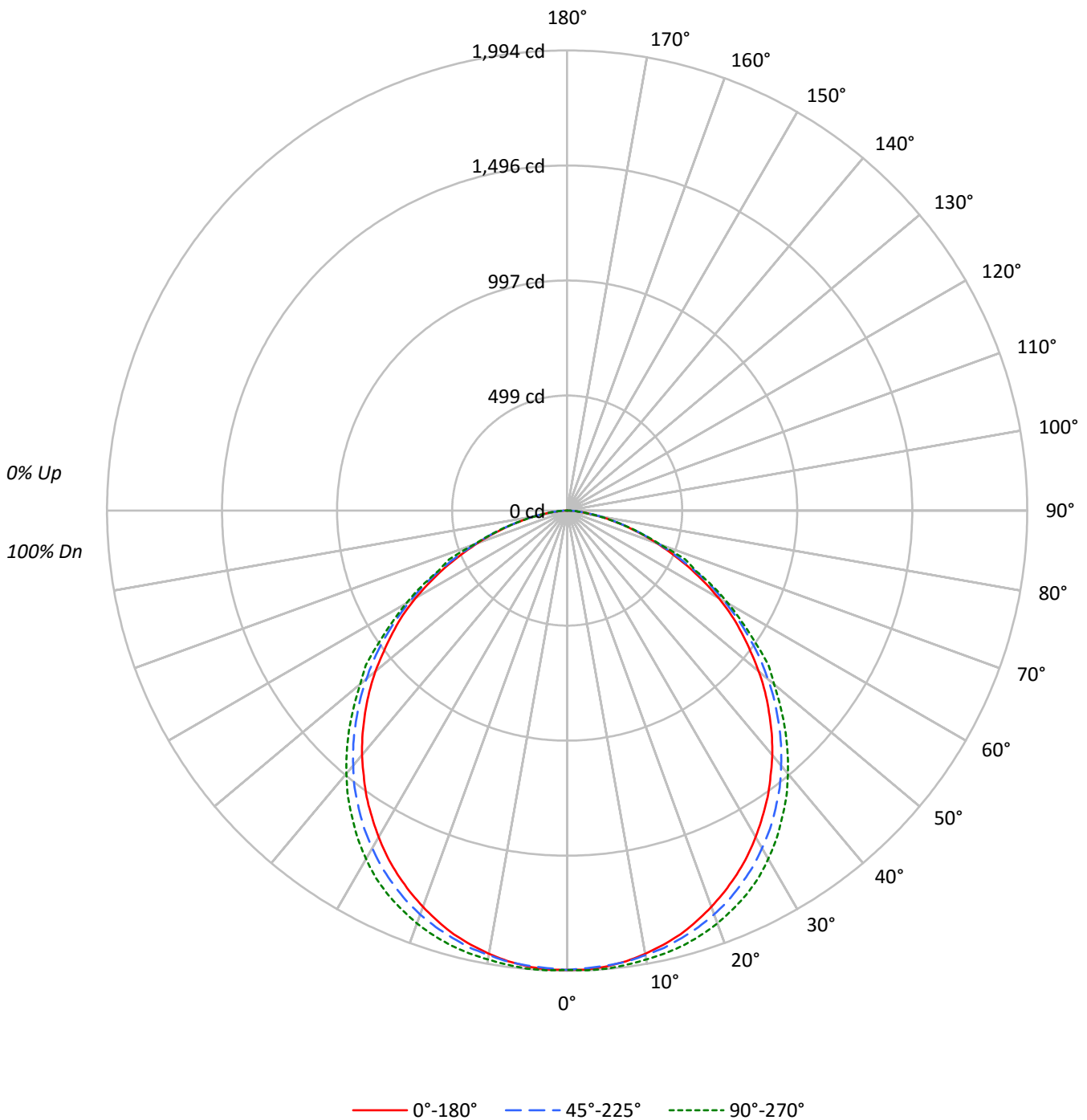
Input Watts (W): 43  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2678	2678	2678
5°	2678	2673	2691
10°	2664	2672	2698
15°	2647	2671	2716
20°	2617	2666	2726
25°	2582	2651	2727
30°	2539	2625	2708
35°	2489	2586	2668
40°	2429	2534	2614
45°	2355	2464	2541
50°	2269	2378	2450
55°	2166	2265	2332
60°	2041	2119	2170
65°	1854	1915	1952
70°	1628	1666	1688
75°	1375	1394	1404
80°	1099	1113	1083
85°	739	769	739



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.6	3.5
10°-20°	542.4	10.2
20°-30°	823.0	15.4
30°-40°	982.6	18.4
40°-50°	994.8	18.6
50°-60°	859.9	16.1
60°-70°	596.0	11.2
70°-80°	288.4	5.4
80°-90°	63.4	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°	1554.1	29.1
0°-40°	2536.7	47.5
0°-60°	4391.3	82.2
0°-90°	5339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5339.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1990	1990	1990	1990	1990	
5°	1983	1981	1979	1988	1992	188
15°	1900	1904	1918	1940	1950	536
25°	1739	1751	1785	1822	1837	801
35°	1515	1529	1575	1615	1624	947
45°	1238	1255	1295	1328	1335	954
55°	923	933	966	1006	994	825
65°	582	588	602	611	613	576
75°	264	266	268	266	270	284
85°	48	52	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°	1990.3	1990.3	1990.3	1990.3	1990.3
2.5°	1990.3	1988.4	1984.6	1990.3	1994.2
5°	1982.7	1980.8	1978.8	1988.4	1992.3
7.5°	1969.3	1969.3	1971.2	1980.8	1984.6
10°	1950.1	1952.0	1955.9	1971.2	1975.0
12.5°	1927.1	1931.0	1940.5	1957.8	1965.4
15°	1900.3	1904.1	1917.5	1940.5	1950.1
17.5°	1865.8	1873.5	1892.6	1919.5	1929.0
20°	1827.5	1837.1	1862.0	1892.6	1904.1
22.5°	1785.4	1794.9	1827.5	1860.1	1871.6
25°	1739.4	1750.9	1785.4	1821.8	1837.1
27.5°	1689.6	1703.0	1741.3	1779.6	1794.9
30°	1634.0	1649.4	1689.6	1729.8	1743.2
32.5°	1574.6	1590.0	1635.9	1674.3	1687.7
35°	1515.3	1528.7	1574.6	1614.9	1624.5
37.5°	1448.2	1463.5	1513.3	1547.8	1561.2
40°	1383.1	1398.4	1442.5	1477.0	1488.4
42.5°	1312.2	1327.5	1371.6	1404.2	1413.7
45°	1237.5	1254.7	1295.0	1327.5	1335.2
47.5°	1162.8	1176.2	1218.3	1247.1	1252.8
50°	1084.2	1097.7	1136.0	1164.7	1170.5
52.5°	1001.9	1022.9	1053.6	1074.7	1099.6
55°	923.3	932.9	965.5	1005.7	994.2
57.5°	844.8	850.5	877.4	894.6	898.4
60°	758.6	766.3	787.3	796.9	806.5
62.5°	668.6	674.3	699.2	708.8	712.6
65°	582.4	588.1	601.5	611.1	613.0
67.5°	494.2	500.0	511.5	519.1	553.6
70°	413.8	417.6	423.4	438.7	429.1
72.5°	337.2	339.1	344.8	344.8	346.7
75°	264.4	266.3	268.2	266.3	270.1
77.5°	197.3	201.1	203.1	201.1	199.2
80°	141.8	145.6	143.7	139.8	139.8
82.5°	92.0	93.9	92.0	90.0	90.0
85°	47.9	51.7	49.8	47.9	47.9
87.5°	17.2	19.2	21.1	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)