

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: P296817

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296817  
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-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5744.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 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

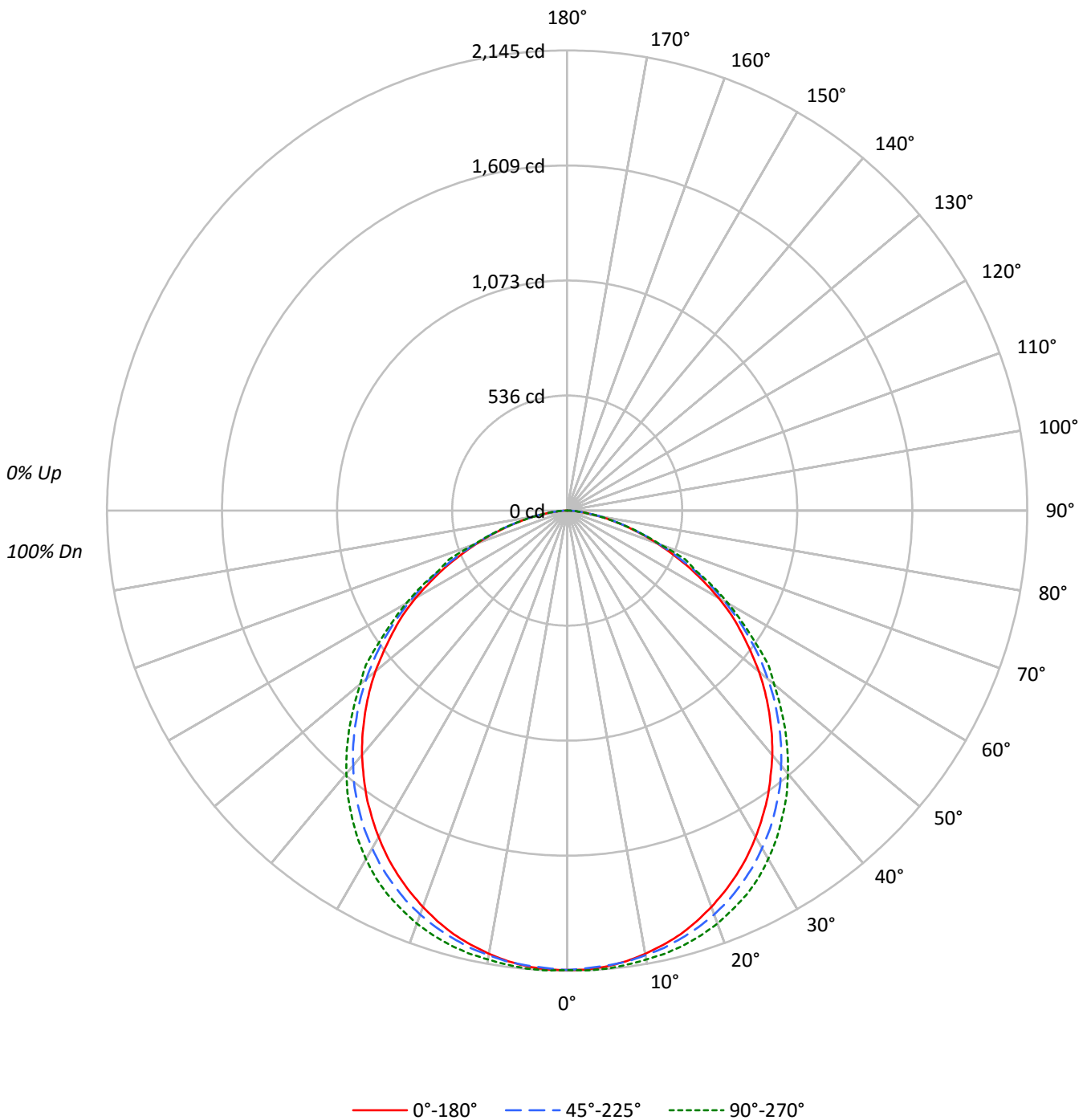
Input Watts (W): 44.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2881	2881	2881
5°	2881	2875	2895
10°	2866	2875	2903
15°	2848	2874	2922
20°	2815	2868	2933
25°	2778	2852	2934
30°	2731	2824	2914
35°	2678	2783	2871
40°	2614	2726	2813
45°	2533	2651	2733
50°	2442	2558	2636
55°	2330	2437	2509
60°	2196	2279	2335
65°	1995	2060	2100
70°	1751	1792	1816
75°	1478	1500	1511
80°	1182	1198	1165
85°	795	827	795



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	202.9	3.5
10°-20°	583.6	10.2
20°-30°	885.4	15.4
30°-40°	1057.1	18.4
40°-50°	1070.2	18.6
50°-60°	925.1	16.1
60°-70°	641.2	11.2
70°-80°	310.2	5.4
80°-90°	68.2	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°	1672.0	29.1
0°-40°	2729.1	47.5
0°-60°	4724.4	82.2
0°-90°	5744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5744.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2141	2141	2141	2141	2141	
5°	2133	2131	2129	2139	2143	202
15°	2044	2049	2063	2088	2098	576
25°	1871	1884	1921	1960	1976	862
35°	1630	1645	1694	1737	1748	1018
45°	1331	1350	1393	1428	1436	1027
55°	993	1004	1039	1082	1070	888
65°	626	633	647	657	660	620
75°	284	286	288	286	291	305
85°	52	56	54	52	52	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2141.3	2141.3	2141.3	2141.3	2141.3
2.5°	2141.3	2139.3	2135.1	2141.3	2145.4
5°	2133.1	2131.0	2129.0	2139.3	2143.4
7.5°	2118.7	2118.7	2120.7	2131.0	2135.1
10°	2098.0	2100.1	2104.2	2120.7	2124.8
12.5°	2073.3	2077.4	2087.7	2106.3	2114.5
15°	2044.5	2048.6	2063.0	2087.7	2098.0
17.5°	2007.4	2015.6	2036.2	2065.1	2075.4
20°	1966.1	1976.4	2003.2	2036.2	2048.6
22.5°	1920.8	1931.1	1966.1	2001.2	2013.5
25°	1871.3	1883.7	1920.8	1960.0	1976.4
27.5°	1817.8	1832.2	1873.4	1914.6	1931.1
30°	1758.0	1774.5	1817.8	1861.0	1875.5
32.5°	1694.1	1710.6	1760.0	1801.3	1815.7
35°	1630.2	1644.6	1694.1	1737.4	1747.7
37.5°	1558.1	1574.6	1628.1	1665.2	1679.7
40°	1488.0	1504.5	1551.9	1589.0	1601.4
42.5°	1411.7	1428.2	1475.6	1510.7	1521.0
45°	1331.4	1349.9	1393.2	1428.2	1436.5
47.5°	1251.0	1265.4	1310.8	1341.7	1347.9
50°	1166.5	1180.9	1222.1	1253.1	1259.2
52.5°	1077.9	1100.5	1133.5	1156.2	1183.0
55°	993.4	1003.7	1038.7	1082.0	1069.6
57.5°	908.9	915.1	943.9	962.5	966.6
60°	816.1	824.4	847.0	857.4	867.7
62.5°	719.3	725.5	752.2	762.5	766.7
65°	626.5	632.7	647.1	657.4	659.5
67.5°	531.7	537.9	550.3	558.5	595.6
70°	445.2	449.3	455.5	472.0	461.7
72.5°	362.7	364.8	371.0	371.0	373.0
75°	284.4	286.5	288.5	286.5	290.6
77.5°	212.3	216.4	218.5	216.4	214.3
80°	152.5	156.6	154.6	150.4	150.4
82.5°	98.9	101.0	98.9	96.9	96.9
85°	51.5	55.6	53.6	51.5	51.5
87.5°	18.5	20.6	22.7	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)