

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: P297374

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-60L82765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5687.0 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

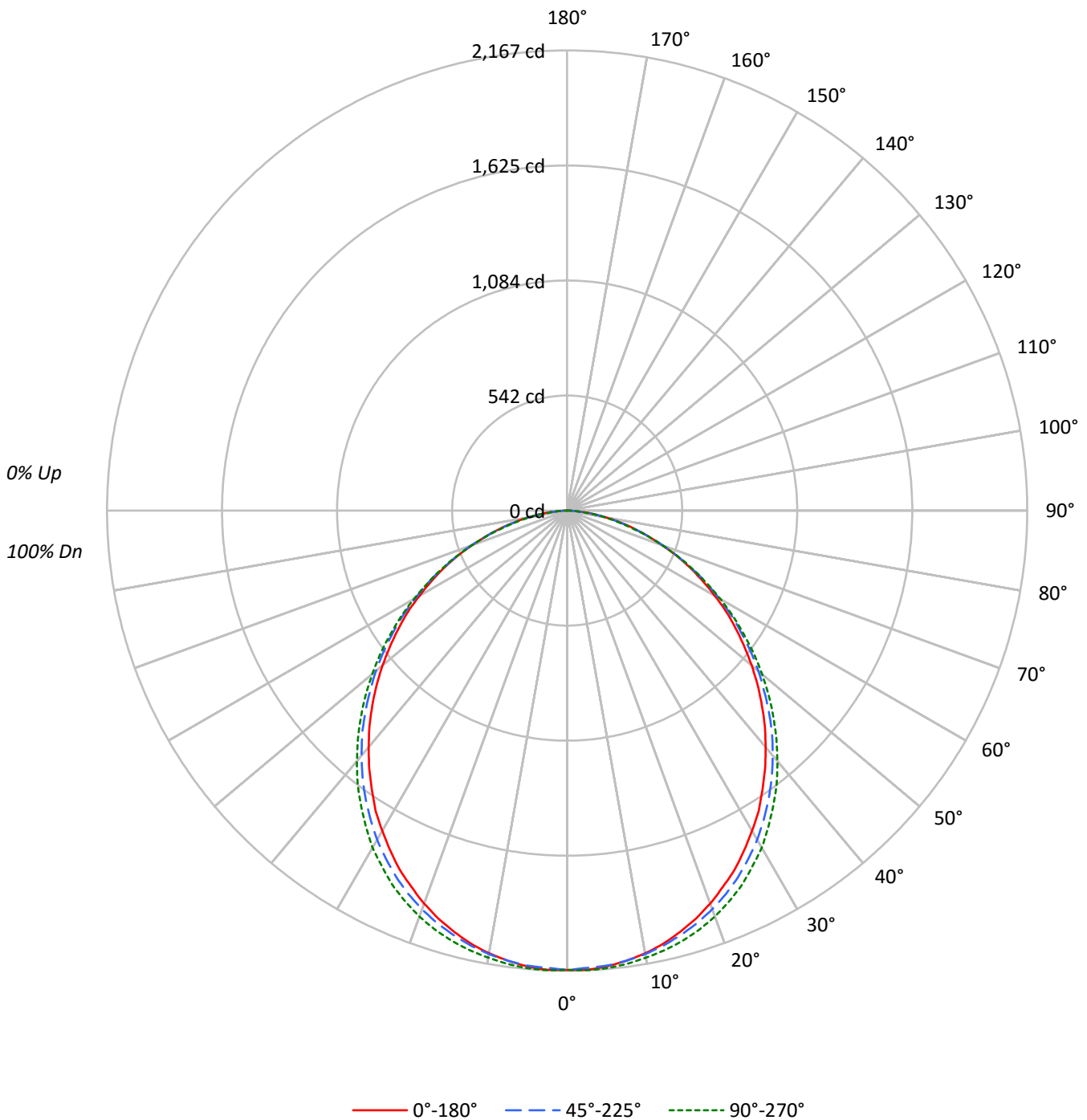
Input Watts (W): 43  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2910	2910	2910
5°	2911	2906	2921
10°	2892	2897	2921
15°	2861	2882	2922
20°	2820	2861	2913
25°	2770	2827	2890
30°	2706	2780	2848
35°	2634	2719	2782
40°	2554	2645	2705
45°	2468	2559	2614
50°	2374	2462	2506
55°	2274	2346	2382
60°	2160	2217	2242
65°	2037	2067	2080
70°	1869	1892	1869
75°	1683	1673	1624
80°	1425	1410	1365
85°	1065	1036	917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.8	3.6
10°-20°	585.0	10.3
20°-30°	877.1	15.4
30°-40°	1032.9	18.2
40°-50°	1033.1	18.2
50°-60°	891.4	15.7
60°-70°	641.4	11.3
70°-80°	340.2	6.0
80°-90°	81.1	1.4
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°	1666.9	29.3
0°-40°	2699.8	47.5
0°-60°	4624.2	81.3
0°-90°	5687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5687.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2163	2163	2163	2163	2163	
5°	2155	2153	2151	2159	2163	204
15°	2054	2059	2069	2090	2098	579
25°	1866	1877	1904	1937	1946	858
35°	1604	1623	1655	1684	1694	1003
45°	1297	1314	1345	1368	1374	1000
55°	969	979	1000	1017	1015	868
65°	640	642	649	653	653	633
75°	324	320	322	314	312	344
85°	69	69	67	61	59	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2162.9	2162.9	2162.9	2162.9	2162.9
2.5°	2164.8	2161.0	2155.2	2162.9	2166.7
5°	2155.2	2153.3	2151.4	2159.0	2162.9
7.5°	2138.0	2139.9	2138.0	2149.5	2153.3
10°	2116.9	2118.8	2120.7	2134.1	2138.0
12.5°	2090.1	2092.0	2097.7	2115.0	2120.7
15°	2053.7	2059.4	2069.0	2090.1	2097.7
17.5°	2015.4	2023.0	2036.4	2061.3	2069.0
20°	1969.4	1979.0	1998.1	2024.9	2034.5
22.5°	1917.7	1927.2	1954.1	1982.8	1992.4
25°	1865.9	1877.4	1904.2	1936.8	1946.4
27.5°	1804.6	1820.0	1848.7	1881.3	1888.9
30°	1741.4	1754.8	1789.3	1820.0	1833.4
32.5°	1678.2	1691.6	1724.2	1754.8	1764.4
35°	1603.5	1622.6	1655.2	1683.9	1693.5
37.5°	1530.7	1547.9	1582.4	1611.1	1620.7
40°	1454.0	1469.4	1505.8	1532.6	1540.3
42.5°	1377.4	1392.7	1429.1	1450.2	1457.9
45°	1297.0	1314.2	1344.8	1367.8	1373.6
47.5°	1216.5	1229.9	1258.6	1279.7	1287.4
50°	1134.1	1147.5	1176.3	1193.5	1197.3
52.5°	1051.7	1061.3	1088.1	1103.5	1109.2
55°	969.4	978.9	1000.0	1017.3	1015.3
57.5°	890.8	894.7	915.7	927.2	927.2
60°	802.7	806.5	823.8	831.4	833.3
62.5°	720.3	726.1	739.5	741.4	741.4
65°	639.9	641.8	649.4	653.3	653.3
67.5°	559.4	557.5	565.1	565.1	563.2
70°	475.1	478.9	480.9	477.0	475.1
72.5°	398.5	396.6	396.6	394.6	394.6
75°	323.8	319.9	321.8	314.2	312.3
77.5°	254.8	249.0	247.1	243.3	239.5
80°	183.9	183.9	182.0	178.2	176.2
82.5°	122.6	122.6	120.7	116.9	113.0
85°	69.0	69.0	67.1	61.3	59.4
87.5°	23.0	23.0	23.0	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)