

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: P297522

Luminaire Tested: **D3X-WO-67L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297522  
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-67L92765-LD5-UNV-24-T1-W2A-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5248.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 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

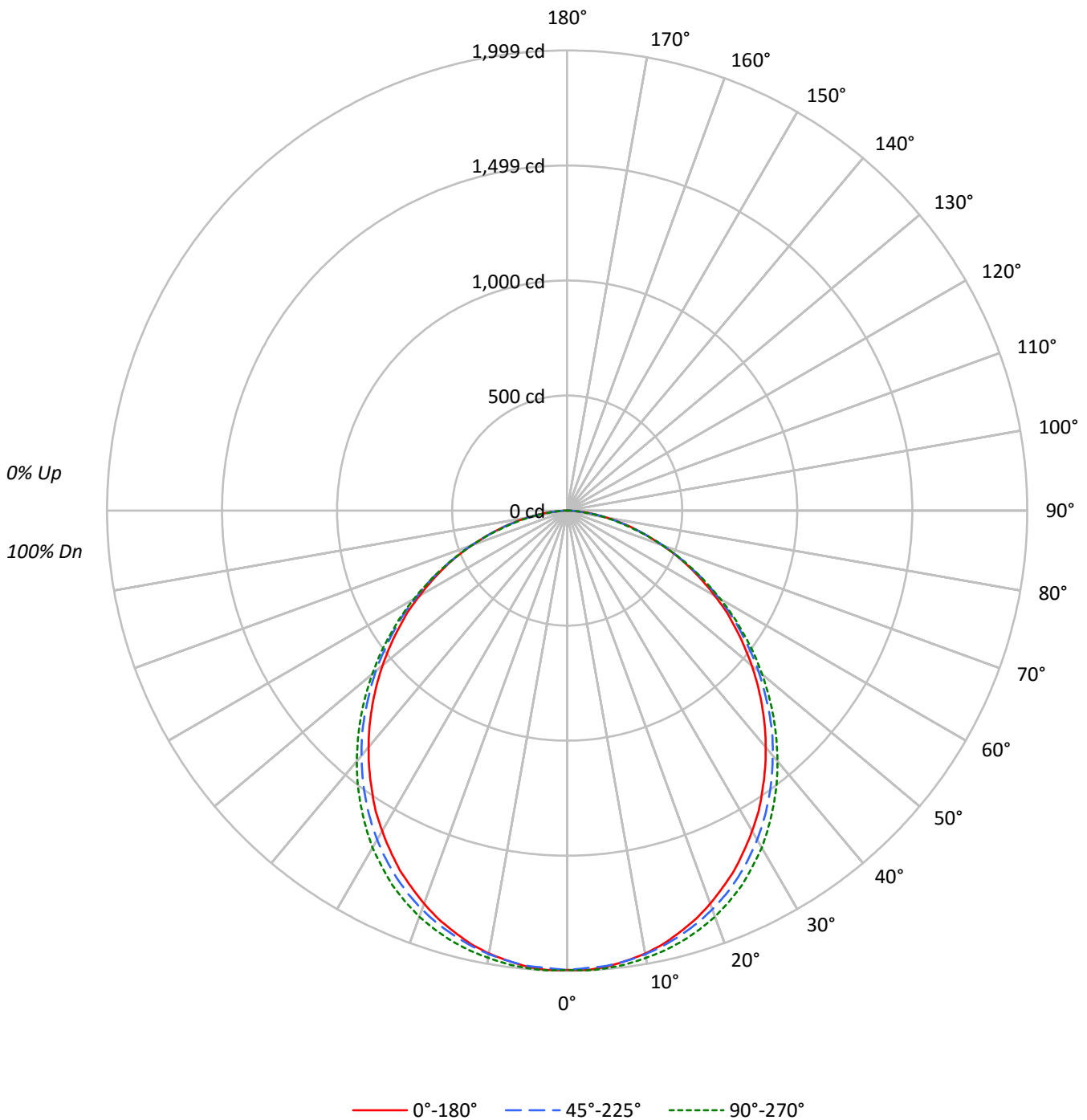
Input Watts (W): 48.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2685	2685	2685
5°	2686	2681	2696
10°	2669	2674	2695
15°	2640	2660	2696
20°	2602	2640	2688
25°	2556	2609	2666
30°	2497	2565	2628
35°	2430	2509	2567
40°	2357	2441	2497
45°	2277	2361	2412
50°	2191	2272	2313
55°	2098	2165	2198
60°	1993	2046	2069
65°	1880	1908	1919
70°	1725	1745	1725
75°	1553	1544	1498
80°	1315	1301	1260
85°	982	956	846



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.0	3.6
10°-20°	539.8	10.3
20°-30°	809.4	15.4
30°-40°	953.2	18.2
40°-50°	953.3	18.2
50°-60°	822.6	15.7
60°-70°	591.9	11.3
70°-80°	313.9	6.0
80°-90°	74.9	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°	1538.2	29.3
0°-40°	2491.4	47.5
0°-60°	4267.3	81.3
0°-90°	5248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	1989	1987	1985	1992	1996	189
15°	1895	1900	1909	1929	1936	534
25°	1722	1732	1757	1787	1796	792
35°	1480	1497	1527	1554	1563	926
45°	1197	1213	1241	1262	1268	923
55°	894	903	923	939	937	801
65°	590	592	599	603	603	584
75°	299	295	297	290	288	318
85°	64	64	62	57	55	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1995.9	1995.9	1995.9	1995.9	1995.9
2.5°	1997.7	1994.1	1988.8	1995.9	1999.4
5°	1988.8	1987.1	1985.3	1992.4	1995.9
7.5°	1972.9	1974.7	1972.9	1983.5	1987.1
10°	1953.5	1955.3	1957.0	1969.4	1972.9
12.5°	1928.7	1930.5	1935.8	1951.7	1957.0
15°	1895.1	1900.4	1909.3	1928.7	1935.8
17.5°	1859.8	1866.9	1879.2	1902.2	1909.3
20°	1817.4	1826.2	1843.9	1868.6	1877.5
22.5°	1769.6	1778.5	1803.2	1829.7	1838.6
25°	1721.9	1732.5	1757.3	1787.3	1796.1
27.5°	1665.3	1679.5	1706.0	1736.0	1743.1
30°	1607.0	1619.4	1651.2	1679.5	1691.8
32.5°	1548.6	1561.0	1591.1	1619.4	1628.2
35°	1479.7	1497.4	1527.4	1553.9	1562.8
37.5°	1412.5	1428.4	1460.3	1486.8	1495.6
40°	1341.8	1355.9	1389.5	1414.3	1421.4
42.5°	1271.1	1285.2	1318.8	1338.3	1345.3
45°	1196.8	1212.8	1241.0	1262.3	1267.6
47.5°	1122.6	1135.0	1161.5	1180.9	1188.0
50°	1046.6	1058.9	1085.5	1101.4	1104.9
52.5°	970.6	979.4	1004.1	1018.3	1023.6
55°	894.5	903.4	922.8	938.7	937.0
57.5°	822.1	825.6	845.0	855.6	855.6
60°	740.7	744.3	760.2	767.3	769.0
62.5°	664.7	670.0	682.4	684.2	684.2
65°	590.5	592.2	599.3	602.8	602.8
67.5°	516.2	514.4	521.5	521.5	519.8
70°	438.4	442.0	443.7	440.2	438.4
72.5°	367.7	365.9	365.9	364.2	364.2
75°	298.8	295.2	297.0	289.9	288.2
77.5°	235.1	229.8	228.1	224.5	221.0
80°	169.7	169.7	167.9	164.4	162.6
82.5°	113.1	113.1	111.4	107.8	104.3
85°	63.6	63.6	61.9	56.6	54.8
87.5°	21.2	21.2	21.2	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)