

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: P296962

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296962  
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-67L92765-LD5-UNV-24-T1-W2A-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4926.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

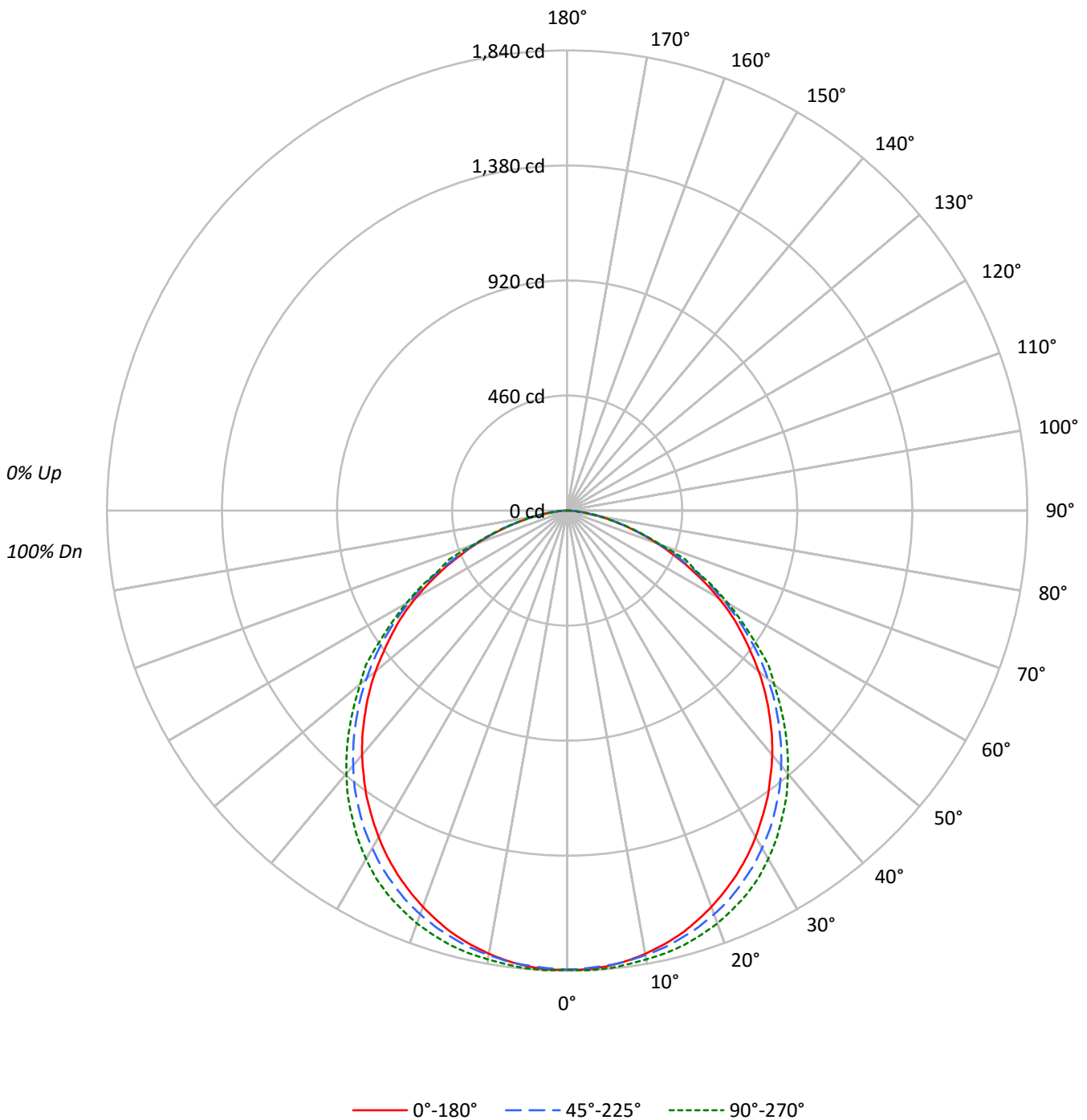
Input Watts (W): 48.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2471	2471	2471
5°	2471	2466	2483
10°	2458	2466	2490
15°	2442	2464	2506
20°	2414	2460	2515
25°	2382	2446	2516
30°	2342	2422	2499
35°	2296	2386	2462
40°	2241	2338	2412
45°	2173	2273	2344
50°	2094	2194	2260
55°	1998	2090	2152
60°	1883	1955	2002
65°	1711	1767	1801
70°	1502	1537	1557
75°	1268	1286	1295
80°	1013	1027	1000
85°	682	710	682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.0	3.5
10°-20°	500.5	10.2
20°-30°	759.4	15.4
30°-40°	906.6	18.4
40°-50°	917.8	18.6
50°-60°	793.3	16.1
60°-70°	549.9	11.2
70°-80°	266.0	5.4
80°-90°	58.5	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°	1433.9	29.1
0°-40°	2340.4	47.5
0°-60°	4051.6	82.2
0°-90°	4926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1836	1836	1836	1836	1836	
5°	1829	1828	1826	1835	1838	174
15°	1753	1757	1769	1790	1799	494
25°	1605	1615	1647	1681	1695	739
35°	1398	1410	1453	1490	1499	873
45°	1142	1158	1195	1225	1232	881
55°	852	861	891	928	917	761
65°	537	543	555	564	566	532
75°	244	246	247	246	249	262
85°	44	48	46	44	44	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1836.4	1836.4	1836.4	1836.4	1836.4
2.5°	1836.4	1834.6	1831.1	1836.4	1839.9
5°	1829.3	1827.5	1825.8	1834.6	1838.1
7.5°	1816.9	1816.9	1818.7	1827.5	1831.1
10°	1799.3	1801.0	1804.6	1818.7	1822.2
12.5°	1778.1	1781.6	1790.4	1806.3	1813.4
15°	1753.3	1756.8	1769.2	1790.4	1799.3
17.5°	1721.5	1728.6	1746.2	1771.0	1779.8
20°	1686.1	1695.0	1718.0	1746.2	1756.8
22.5°	1647.3	1656.1	1686.1	1716.2	1726.8
25°	1604.8	1615.4	1647.3	1680.8	1695.0
27.5°	1558.9	1571.3	1606.6	1642.0	1656.1
30°	1507.6	1521.8	1558.9	1596.0	1608.4
32.5°	1452.8	1467.0	1509.4	1544.7	1557.1
35°	1398.1	1410.4	1452.8	1490.0	1498.8
37.5°	1336.2	1350.3	1396.3	1428.1	1440.5
40°	1276.1	1290.2	1330.9	1362.7	1373.3
42.5°	1210.7	1224.8	1265.5	1295.5	1304.4
45°	1141.8	1157.7	1194.8	1224.8	1231.9
47.5°	1072.8	1085.2	1124.1	1150.6	1155.9
50°	1000.4	1012.7	1048.1	1074.6	1079.9
52.5°	924.4	943.8	972.1	991.5	1014.5
55°	851.9	860.7	890.8	927.9	917.3
57.5°	779.4	784.7	809.5	825.4	828.9
60°	699.9	707.0	726.4	735.3	744.1
62.5°	616.8	622.1	645.1	654.0	657.5
65°	537.3	542.6	555.0	563.8	565.6
67.5°	456.0	461.3	471.9	479.0	510.8
70°	381.8	385.3	390.6	404.7	395.9
72.5°	311.1	312.8	318.1	318.1	319.9
75°	243.9	245.7	247.4	245.7	249.2
77.5°	182.0	185.6	187.3	185.6	183.8
80°	130.8	134.3	132.6	129.0	129.0
82.5°	84.8	86.6	84.8	83.1	83.1
85°	44.2	47.7	46.0	44.2	44.2
87.5°	15.9	17.7	19.4	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)