

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: P296964

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296964  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5379.0 lumens  
Efficiency: N/A  
Efficacy: 110.5 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

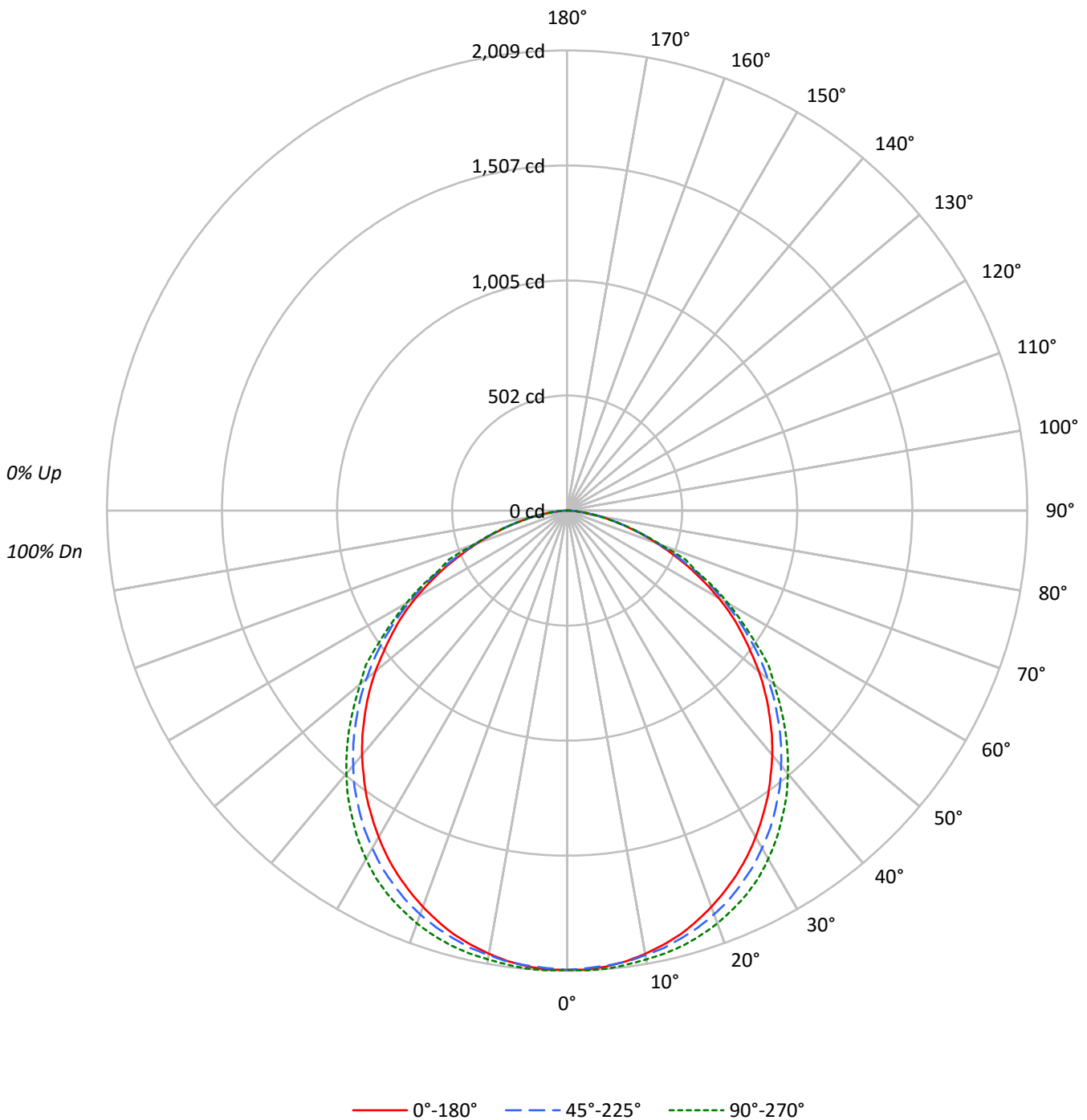
Input Watts (W): 48.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2698	2698	2698
5°	2698	2693	2711
10°	2684	2692	2719
15°	2667	2691	2737
20°	2636	2686	2747
25°	2602	2670	2748
30°	2558	2645	2729
35°	2508	2606	2688
40°	2447	2553	2634
45°	2372	2483	2560
50°	2287	2396	2468
55°	2182	2282	2350
60°	2057	2134	2186
65°	1868	1929	1966
70°	1640	1678	1701
75°	1384	1405	1415
80°	1106	1121	1092
85°	744	775	744



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.0	3.5
10°-20°	546.5	10.2
20°-30°	829.2	15.4
30°-40°	989.9	18.4
40°-50°	1002.2	18.6
50°-60°	866.3	16.1
60°-70°	600.4	11.2
70°-80°	290.5	5.4
80°-90°	63.9	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°	1565.7	29.1
0°-40°	2555.7	47.5
0°-60°	4424.2	82.2
0°-90°	5379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2005	2005	2005	2005	2005	
5°	1998	1996	1994	2003	2007	190
15°	1914	1918	1932	1955	1965	540
25°	1752	1764	1799	1835	1851	807
35°	1527	1540	1586	1627	1637	954
45°	1247	1264	1305	1338	1345	962
55°	930	940	973	1013	1002	831
65°	587	592	606	616	618	581
75°	266	268	270	268	272	286
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°	2005.3	2005.3	2005.3	2005.3	2005.3
2.5°	2005.3	2003.3	1999.5	2005.3	2009.1
5°	1997.5	1995.6	1993.7	2003.3	2007.2
7.5°	1984.0	1984.0	1986.0	1995.6	1999.5
10°	1964.7	1966.7	1970.5	1986.0	1989.8
12.5°	1941.6	1945.4	1955.1	1972.4	1980.2
15°	1914.5	1918.4	1931.9	1955.1	1964.7
17.5°	1879.8	1887.5	1906.8	1933.8	1943.5
20°	1841.2	1850.9	1875.9	1906.8	1918.4
22.5°	1798.7	1808.4	1841.2	1874.0	1885.6
25°	1752.4	1764.0	1798.7	1835.4	1850.9
27.5°	1702.2	1715.8	1754.4	1793.0	1808.4
30°	1646.3	1661.7	1702.2	1742.8	1756.3
32.5°	1586.4	1601.9	1648.2	1686.8	1700.3
35°	1526.6	1540.1	1586.4	1627.0	1636.6
37.5°	1459.1	1474.5	1524.7	1559.4	1572.9
40°	1393.4	1408.9	1453.3	1488.0	1499.6
42.5°	1322.0	1337.5	1381.9	1414.7	1424.3
45°	1246.8	1264.1	1304.7	1337.5	1345.2
47.5°	1171.5	1185.0	1227.5	1256.4	1262.2
50°	1092.4	1105.9	1144.5	1173.4	1179.2
52.5°	1009.4	1030.6	1061.5	1082.7	1107.8
55°	930.3	939.9	972.7	1013.2	1001.7
57.5°	851.1	856.9	883.9	901.3	905.2
60°	764.3	772.0	793.2	802.9	812.5
62.5°	673.6	679.4	704.4	714.1	718.0
65°	586.7	592.5	606.0	615.7	617.6
67.5°	497.9	503.7	515.3	523.0	557.8
70°	416.9	420.7	426.5	442.0	432.3
72.5°	339.7	341.6	347.4	347.4	349.3
75°	266.3	268.3	270.2	268.3	272.1
77.5°	198.8	202.6	204.6	202.6	200.7
80°	142.8	146.7	144.7	140.9	140.9
82.5°	92.6	94.6	92.6	90.7	90.7
85°	48.2	52.1	50.2	48.2	48.2
87.5°	17.4	19.3	21.2	23.2	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)