

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: P297244

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5388.0 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

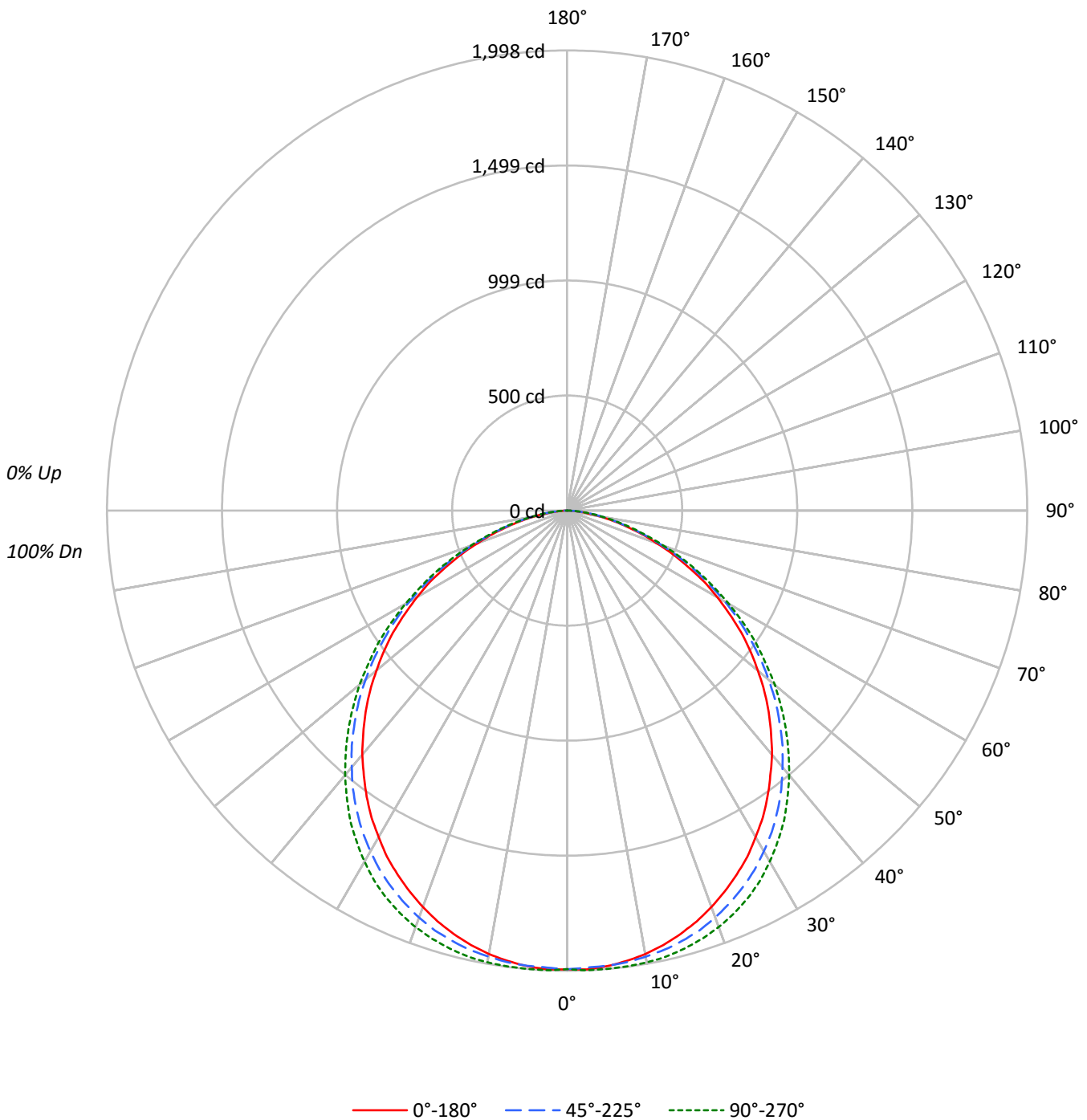
Input Watts (W): 48.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2680	2680	2680
5°	2682	2680	2698
10°	2671	2687	2721
15°	2651	2694	2742
20°	2623	2692	2755
25°	2587	2679	2756
30°	2543	2654	2735
35°	2492	2615	2698
40°	2431	2556	2634
45°	2354	2483	2556
50°	2262	2392	2464
55°	2164	2273	2345
60°	2025	2129	2181
65°	1850	1948	1997
70°	1625	1709	1754
75°	1375	1445	1495
80°	1092	1196	1227
85°	746	894	865



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.3	3.5
10°-20°	546.4	10.1
20°-30°	830.4	15.4
30°-40°	990.8	18.4
40°-50°	1000.7	18.6
50°-60°	862.2	16.0
60°-70°	601.0	11.2
70°-80°	297.8	5.5
80°-90°	69.5	1.3
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°	1566.0	29.1
0°-40°	2556.8	47.5
0°-60°	4419.7	82.0
0°-90°	5388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5388.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1986	1984	1984	1994	1998	189
15°	1903	1913	1934	1959	1969	537
25°	1743	1766	1805	1841	1857	803
35°	1517	1542	1592	1629	1642	948
45°	1237	1264	1305	1336	1343	954
55°	923	942	969	992	1000	822
65°	581	592	612	618	627	577
75°	264	268	278	284	288	285
85°	48	58	58	54	56	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1991.8	1991.8	1991.8	1991.8	1991.8
2.5°	1993.8	1989.9	1986.0	1993.8	1997.6
5°	1986.0	1984.1	1984.1	1993.8	1997.6
7.5°	1972.5	1972.5	1978.3	1991.8	1995.7
10°	1955.2	1959.0	1966.7	1986.0	1991.8
12.5°	1932.0	1939.7	1953.2	1976.4	1984.1
15°	1903.0	1912.7	1933.9	1959.0	1968.7
17.5°	1870.2	1883.7	1910.8	1939.7	1949.4
20°	1831.6	1849.0	1879.9	1912.7	1924.3
22.5°	1789.2	1810.4	1845.1	1879.9	1893.4
25°	1742.9	1766.0	1804.6	1841.3	1856.7
27.5°	1694.6	1717.8	1760.2	1796.9	1812.3
30°	1636.7	1663.7	1708.1	1746.7	1760.2
32.5°	1580.7	1607.7	1654.1	1688.8	1702.3
35°	1517.0	1542.1	1592.3	1629.0	1642.5
37.5°	1449.5	1478.4	1526.7	1559.5	1571.1
40°	1383.9	1408.9	1455.3	1488.1	1499.7
42.5°	1310.5	1337.5	1383.9	1412.8	1422.5
45°	1237.2	1264.2	1304.7	1335.6	1343.3
47.5°	1161.9	1187.0	1227.5	1252.6	1260.3
50°	1080.8	1104.0	1142.6	1167.7	1177.3
52.5°	1003.6	1024.9	1057.7	1078.9	1084.7
55°	922.6	941.9	968.9	992.1	999.8
57.5°	835.7	856.9	882.0	901.3	907.1
60°	752.7	770.1	791.3	808.7	810.6
62.5°	671.7	679.4	698.7	714.1	716.1
65°	581.0	592.5	611.8	617.6	627.3
67.5°	498.0	505.7	521.1	528.8	536.6
70°	413.0	418.8	434.3	443.9	445.8
72.5°	339.7	341.6	353.2	360.9	362.9
75°	264.4	268.3	277.9	283.7	287.6
77.5°	200.7	204.6	212.3	216.2	216.2
80°	140.9	146.7	154.4	156.3	158.3
82.5°	90.7	98.4	104.2	106.2	102.3
85°	48.3	57.9	57.9	54.0	56.0
87.5°	17.4	21.2	23.2	25.1	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)