

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: P297164

Luminaire Tested: **D3X-WG-67L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297164  
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-67L93050-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4900.0 lumens  
Efficiency: N/A  
Efficacy: 98.4 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

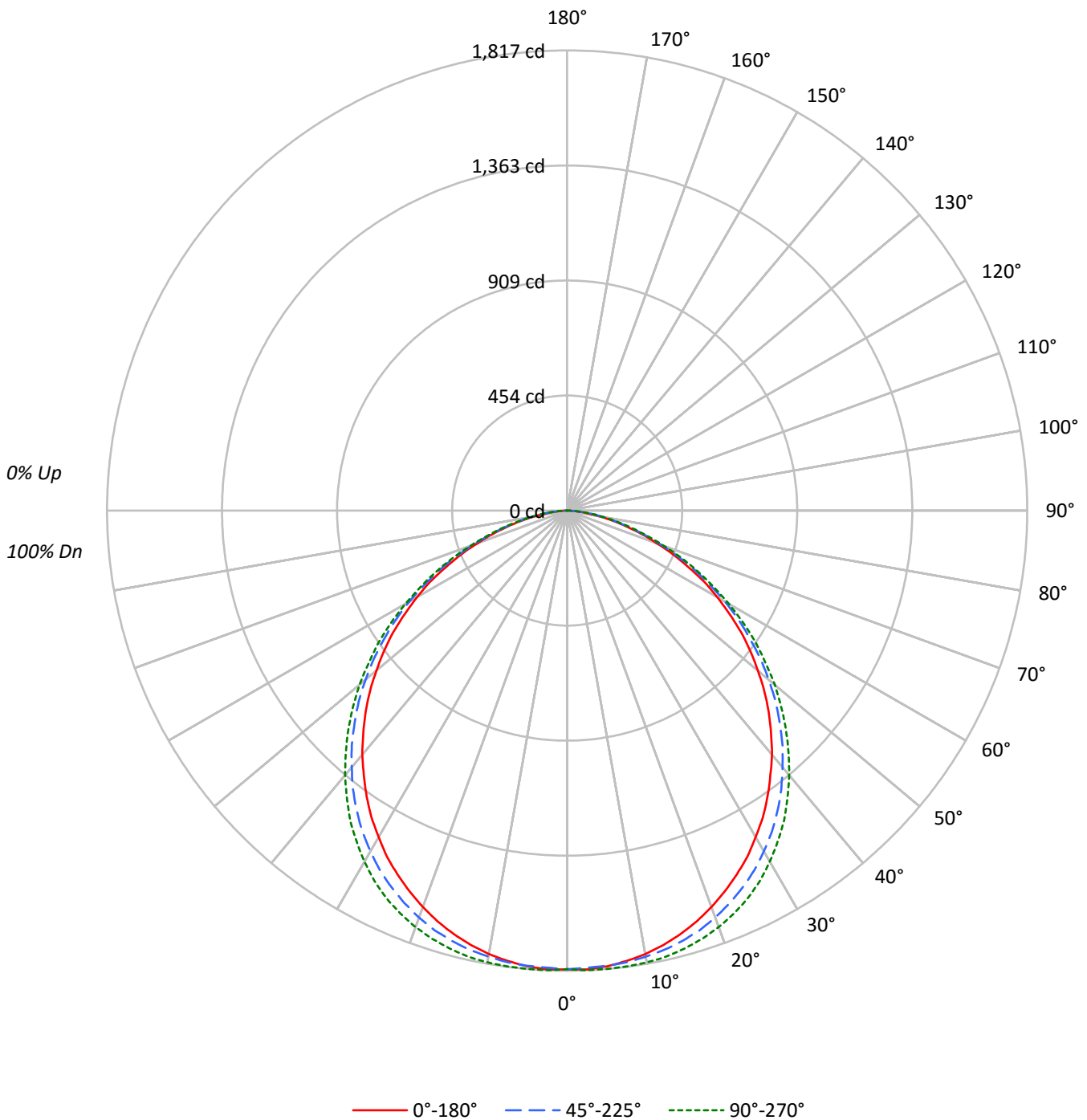
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2437	2437	2437
5°	2440	2437	2454
10°	2429	2444	2475
15°	2411	2450	2494
20°	2385	2448	2506
25°	2353	2436	2507
30°	2313	2413	2487
35°	2266	2379	2453
40°	2210	2325	2395
45°	2141	2258	2325
50°	2057	2175	2241
55°	1968	2067	2133
60°	1842	1937	1984
65°	1682	1771	1816
70°	1478	1554	1595
75°	1250	1314	1359
80°	993	1088	1115
85°	678	814	786



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.1	3.5
10°-20°	496.9	10.1
20°-30°	755.1	15.4
30°-40°	901.1	18.4
40°-50°	910.1	18.6
50°-60°	784.1	16.0
60°-70°	546.6	11.2
70°-80°	270.9	5.5
80°-90°	63.2	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°	1424.2	29.1
0°-40°	2325.2	47.5
0°-60°	4019.4	82.0
0°-90°	4900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1806	1804	1804	1813	1817	171
15°	1731	1740	1759	1782	1790	488
25°	1585	1606	1641	1674	1689	730
35°	1380	1402	1448	1481	1494	862
45°	1125	1150	1187	1215	1222	867
55°	839	857	881	902	909	748
65°	528	539	556	562	570	525
75°	240	244	253	258	262	259
85°	44	53	53	49	51	56
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1811.4	1811.4	1811.4	1811.4	1811.4
2.5°	1813.2	1809.7	1806.2	1813.2	1816.7
5°	1806.2	1804.4	1804.4	1813.2	1816.7
7.5°	1793.9	1793.9	1799.1	1811.4	1814.9
10°	1778.1	1781.6	1788.6	1806.2	1811.4
12.5°	1757.0	1764.0	1776.3	1797.4	1804.4
15°	1730.7	1739.5	1758.8	1781.6	1790.4
17.5°	1700.8	1713.1	1737.7	1764.0	1772.8
20°	1665.7	1681.5	1709.6	1739.5	1750.0
22.5°	1627.1	1646.4	1678.0	1709.6	1721.9
25°	1585.0	1606.1	1641.2	1674.5	1688.6
27.5°	1541.1	1562.2	1600.8	1634.1	1648.2
30°	1488.5	1513.0	1553.4	1588.5	1600.8
32.5°	1437.6	1462.1	1504.3	1535.9	1548.1
35°	1379.6	1402.5	1448.1	1481.4	1493.7
37.5°	1318.2	1344.5	1388.4	1418.2	1428.8
40°	1258.5	1281.3	1323.5	1353.3	1363.8
42.5°	1191.8	1216.4	1258.5	1284.8	1293.6
45°	1125.1	1149.7	1186.6	1214.6	1221.7
47.5°	1056.7	1079.5	1116.3	1139.2	1146.2
50°	982.9	1004.0	1039.1	1061.9	1070.7
52.5°	912.7	932.0	961.9	981.2	986.5
55°	839.0	856.6	881.1	902.2	909.2
57.5°	760.0	779.3	802.2	819.7	825.0
60°	684.6	700.3	719.7	735.5	737.2
62.5°	610.8	617.9	635.4	649.4	651.2
65°	528.3	538.9	556.4	561.7	570.5
67.5°	452.9	459.9	473.9	480.9	488.0
70°	375.6	380.9	394.9	403.7	405.5
72.5°	308.9	310.7	321.2	328.2	330.0
75°	240.5	244.0	252.8	258.0	261.5
77.5°	182.5	186.1	193.1	196.6	196.6
80°	128.1	133.4	140.4	142.2	143.9
82.5°	82.5	89.5	94.8	96.5	93.0
85°	43.9	52.7	52.7	49.1	50.9
87.5°	15.8	19.3	21.1	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)