

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: P297119

Luminaire Tested: **D3X-WG-74L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297119  
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-74L82765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7307.0 lumens  
Efficiency: N/A  
Efficacy: 127.1 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

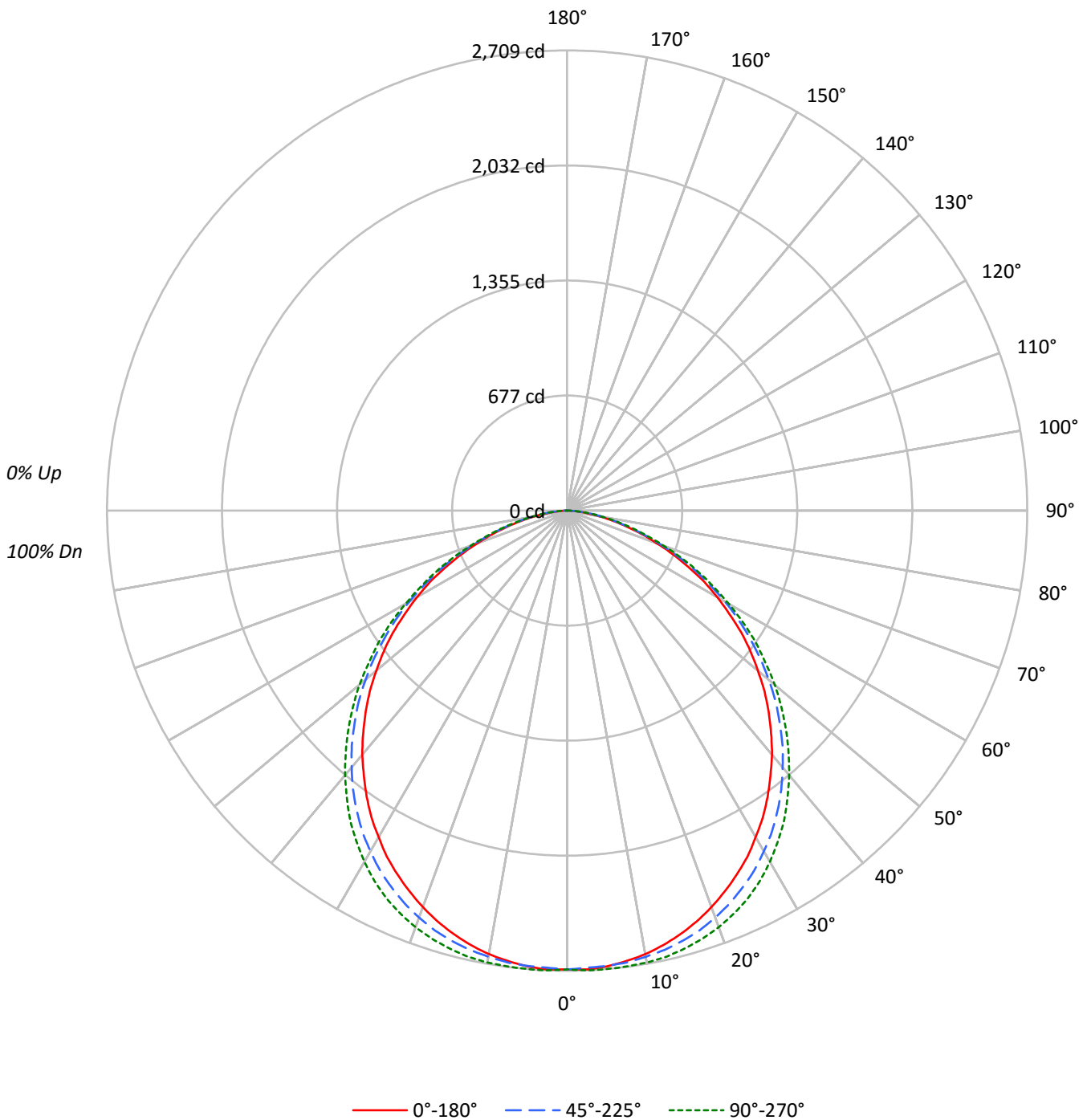
Input Watts (W): 57.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3634	3634	3634
5°	3638	3634	3659
10°	3623	3644	3691
15°	3595	3653	3719
20°	3557	3650	3737
25°	3509	3633	3738
30°	3448	3599	3709
35°	3379	3547	3659
40°	3296	3466	3572
45°	3193	3367	3467
50°	3068	3244	3342
55°	2935	3082	3181
60°	2747	2888	2958
65°	2508	2642	2708
70°	2203	2317	2378
75°	1864	1959	2027
80°	1481	1623	1663
85°	1010	1212	1172



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.7	3.5
10°-20°	741.0	10.1
20°-30°	1126.1	15.4
30°-40°	1343.7	18.4
40°-50°	1357.1	18.6
50°-60°	1169.2	16.0
60°-70°	815.1	11.2
70°-80°	403.9	5.5
80°-90°	94.2	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°	2123.8	29.1
0°-40°	3467.5	47.5
0°-60°	5993.8	82.0
0°-90°	7307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7307.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2701	2701	2701	2701	2701	
5°	2693	2691	2691	2704	2709	256
15°	2581	2594	2623	2657	2670	728
25°	2364	2395	2447	2497	2518	1089
35°	2057	2091	2159	2209	2228	1286
45°	1678	1714	1769	1811	1822	1293
55°	1251	1277	1314	1345	1356	1115
65°	788	804	830	838	851	782
75°	359	364	377	385	390	387
85°	65	78	78	73	76	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2701.2	2701.2	2701.2	2701.2	2701.2
2.5°	2703.9	2698.6	2693.4	2703.9	2709.1
5°	2693.4	2690.8	2690.8	2703.9	2709.1
7.5°	2675.1	2675.1	2682.9	2701.2	2706.5
10°	2651.5	2656.7	2667.2	2693.4	2701.2
12.5°	2620.1	2630.6	2648.9	2680.3	2690.8
15°	2580.8	2593.9	2622.7	2656.7	2669.8
17.5°	2536.3	2554.7	2591.3	2630.6	2643.7
20°	2484.0	2507.5	2549.4	2593.9	2609.6
22.5°	2426.4	2455.2	2502.3	2549.4	2567.8
25°	2363.6	2395.0	2447.3	2497.1	2518.0
27.5°	2298.2	2329.6	2387.1	2436.9	2457.8
30°	2219.6	2256.3	2316.5	2368.8	2387.1
32.5°	2143.7	2180.4	2243.2	2290.3	2308.6
35°	2057.3	2091.4	2159.4	2209.2	2227.5
37.5°	1965.7	2005.0	2070.4	2114.9	2130.6
40°	1876.7	1910.8	1973.6	2018.1	2033.8
42.5°	1777.3	1813.9	1876.7	1916.0	1929.1
45°	1677.8	1714.5	1769.4	1811.3	1821.8
47.5°	1575.7	1609.8	1664.7	1698.7	1709.2
50°	1465.8	1497.2	1549.6	1583.6	1596.7
52.5°	1361.1	1389.9	1434.4	1463.2	1471.0
55°	1251.2	1277.3	1314.0	1345.4	1355.9
57.5°	1133.4	1162.2	1196.2	1222.4	1230.2
60°	1020.8	1044.4	1073.2	1096.7	1099.3
62.5°	910.9	921.4	947.5	968.5	971.1
65°	787.9	803.6	829.7	837.6	850.7
67.5°	675.3	685.8	706.7	717.2	727.7
70°	560.1	568.0	588.9	602.0	604.6
72.5°	460.7	463.3	479.0	489.5	492.1
75°	358.6	363.8	376.9	384.8	390.0
77.5°	272.2	277.5	287.9	293.2	293.2
80°	191.1	198.9	209.4	212.0	214.6
82.5°	123.0	133.5	141.3	144.0	138.7
85°	65.4	78.5	78.5	73.3	75.9
87.5°	23.6	28.8	31.4	34.0	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)