

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: P297113

Luminaire Tested: **D3X-WG-74L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297113  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6828.0 lumens  
Efficiency: N/A  
Efficacy: 123.5 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

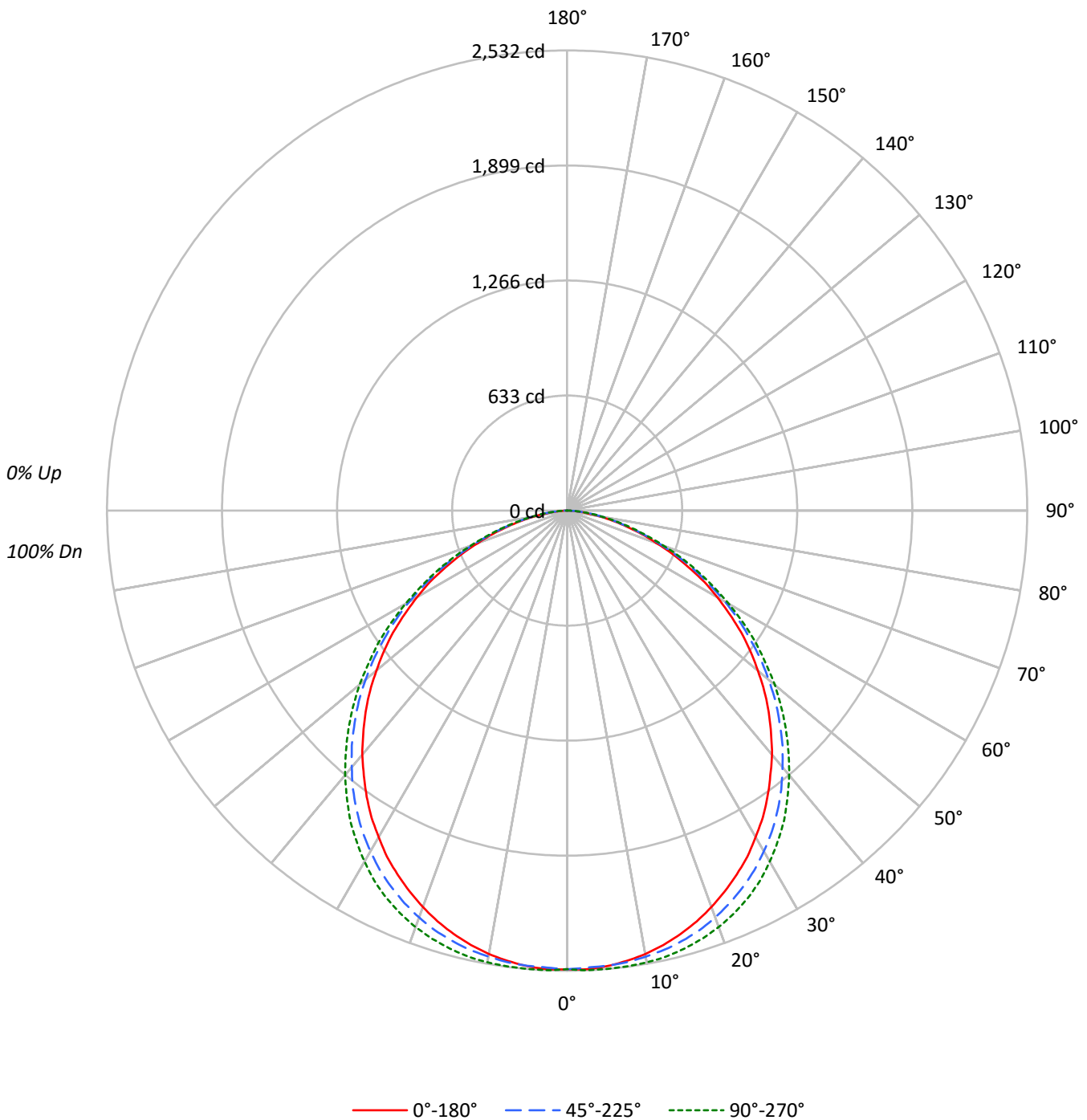
Input Watts (W): 55.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20			20				20			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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85	85	
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71	71	
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61	61	
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52	52	
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45	45	
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40	40	
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35	35	
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31	31	
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28	28	
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26	26	

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

	0°	45°	90°
0°	3396	3396	3396
5°	3399	3396	3419
10°	3385	3405	3449
15°	3359	3414	3475
20°	3324	3411	3492
25°	3279	3395	3493
30°	3222	3363	3466
35°	3158	3314	3419
40°	3080	3239	3338
45°	2983	3146	3239
50°	2867	3031	3123
55°	2742	2880	2972
60°	2567	2699	2764
65°	2344	2468	2531
70°	2059	2165	2223
75°	1742	1831	1894
80°	1384	1516	1554
85°	943	1133	1095



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.8	3.5
10°-20°	692.4	10.1
20°-30°	1052.3	15.4
30°-40°	1255.6	18.4
40°-50°	1268.1	18.6
50°-60°	1092.6	16.0
60°-70°	761.7	11.2
70°-80°	377.4	5.5
80°-90°	88.0	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°	1984.5	29.1
0°-40°	3240.2	47.5
0°-60°	5600.9	82.0
0°-90°	6828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6828.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2524	2524	2524	2524	2524	
5°	2517	2514	2514	2527	2532	239
15°	2412	2424	2451	2483	2495	680
25°	2209	2238	2287	2333	2353	1017
35°	1922	1954	2018	2064	2082	1202
45°	1568	1602	1653	1693	1702	1209
55°	1169	1194	1228	1257	1267	1042
65°	736	751	775	783	795	731
75°	335	340	352	360	364	361
85°	61	73	73	68	71	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2524.2	2524.2	2524.2	2524.2	2524.2
2.5°	2526.6	2521.7	2516.8	2526.6	2531.5
5°	2516.8	2514.4	2514.4	2526.6	2531.5
7.5°	2499.7	2499.7	2507.0	2524.2	2529.1
10°	2477.7	2482.6	2492.4	2516.8	2524.2
12.5°	2448.3	2458.1	2475.2	2504.6	2514.4
15°	2411.7	2423.9	2450.8	2482.6	2494.8
17.5°	2370.1	2387.2	2421.4	2458.1	2470.4
20°	2321.2	2343.2	2382.3	2423.9	2438.6
22.5°	2267.3	2294.3	2338.3	2382.3	2399.4
25°	2208.6	2238.0	2286.9	2333.4	2353.0
27.5°	2147.5	2176.8	2230.7	2277.1	2296.7
30°	2074.1	2108.4	2164.6	2213.5	2230.7
32.5°	2003.2	2037.4	2096.1	2140.2	2157.3
35°	1922.5	1954.3	2017.9	2064.3	2081.5
37.5°	1836.9	1873.6	1934.7	1976.3	1991.0
40°	1753.7	1785.5	1844.2	1885.8	1900.5
42.5°	1660.8	1695.0	1753.7	1790.4	1802.6
45°	1567.8	1602.1	1653.4	1692.6	1702.3
47.5°	1472.4	1504.2	1555.6	1587.4	1597.2
50°	1369.7	1399.1	1448.0	1479.8	1492.0
52.5°	1271.9	1298.8	1340.4	1367.3	1374.6
55°	1169.1	1193.6	1227.8	1257.2	1267.0
57.5°	1059.1	1086.0	1117.8	1142.2	1149.6
60°	953.9	975.9	1002.8	1024.8	1027.3
62.5°	851.2	861.0	885.4	905.0	907.4
65°	736.2	750.9	775.3	782.7	794.9
67.5°	631.0	640.8	660.4	670.2	680.0
70°	523.4	530.8	550.3	562.6	565.0
72.5°	430.5	432.9	447.6	457.4	459.8
75°	335.1	340.0	352.2	359.5	364.4
77.5°	254.4	259.3	269.0	273.9	273.9
80°	178.6	185.9	195.7	198.1	200.6
82.5°	115.0	124.7	132.1	134.5	129.6
85°	61.1	73.4	73.4	68.5	70.9
87.5°	22.0	26.9	29.4	31.8	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)