

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: P296834

Luminaire Tested: **D3X-WD-74L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296834  
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-74L82765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6966.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

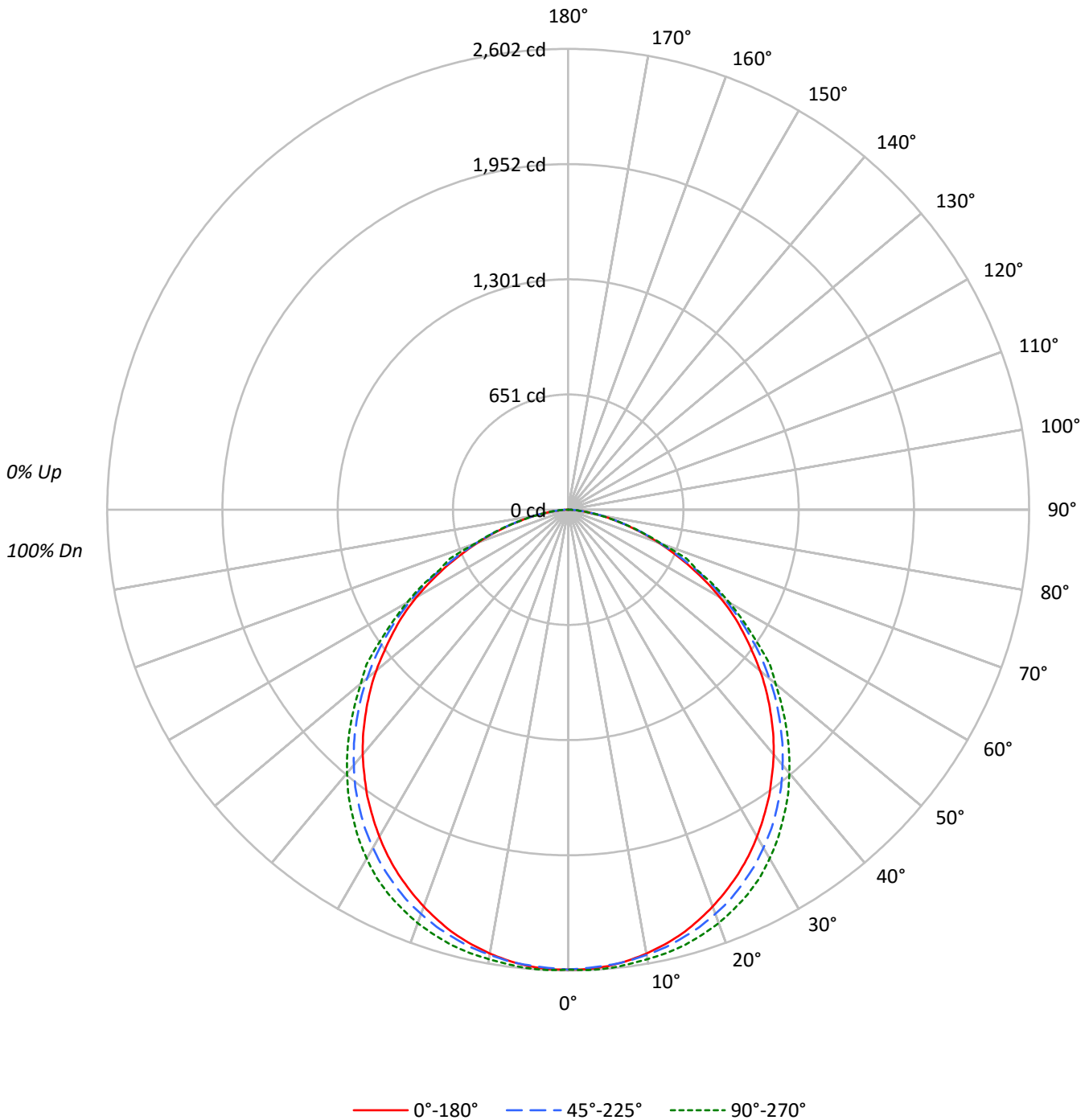
Input Watts (W): 55.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
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	48	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	28	38	32	27	37	32	27	26					26			

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

	0°	45°	90°
0°	3494	3494	3494
5°	3494	3487	3511
10°	3476	3487	3521
15°	3454	3485	3544
20°	3414	3479	3557
25°	3369	3458	3558
30°	3312	3425	3534
35°	3247	3375	3481
40°	3170	3306	3411
45°	3072	3215	3315
50°	2961	3102	3197
55°	2826	2955	3043
60°	2664	2764	2831
65°	2419	2499	2546
70°	2124	2173	2203
75°	1793	1819	1832
80°	1433	1453	1414
85°	965	1003	965



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.1	3.5
10°-20°	707.7	10.2
20°-30°	1073.8	15.4
30°-40°	1282.0	18.4
40°-50°	1297.9	18.6
50°-60°	1121.9	16.1
60°-70°	777.6	11.2
70°-80°	376.2	5.4
80°-90°	82.7	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°	2027.7	29.1
0°-40°	3309.7	47.5
0°-60°	5729.5	82.2
0°-90°	6966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6966.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2587	2584	2582	2594	2599	246
15°	2479	2484	2502	2532	2544	699
25°	2270	2284	2329	2377	2397	1045
35°	1977	1994	2054	2107	2120	1235
45°	1615	1637	1690	1732	1742	1245
55°	1205	1217	1260	1312	1297	1077
65°	760	767	785	797	800	752
75°	345	347	350	347	352	370
85°	62	68	65	62	62	81
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2596.9	2596.9	2596.9	2596.9	2596.9
2.5°	2596.9	2594.4	2589.4	2596.9	2601.9
5°	2586.9	2584.4	2581.9	2594.4	2599.4
7.5°	2569.4	2569.4	2571.9	2584.4	2589.4
10°	2544.4	2546.9	2551.9	2571.9	2576.9
12.5°	2514.4	2519.4	2531.9	2554.4	2564.4
15°	2479.4	2484.4	2501.9	2531.9	2544.4
17.5°	2434.4	2444.4	2469.4	2504.4	2516.9
20°	2384.4	2396.9	2429.4	2469.4	2484.4
22.5°	2329.4	2341.9	2384.4	2426.9	2441.9
25°	2269.5	2284.5	2329.4	2376.9	2396.9
27.5°	2204.5	2222.0	2272.0	2321.9	2341.9
30°	2132.0	2152.0	2204.5	2257.0	2274.5
32.5°	2054.5	2074.5	2134.5	2184.5	2202.0
35°	1977.0	1994.5	2054.5	2107.0	2119.5
37.5°	1889.5	1909.5	1974.5	2019.5	2037.0
40°	1804.6	1824.6	1882.0	1927.0	1942.0
42.5°	1712.1	1732.1	1789.6	1832.1	1844.6
45°	1614.6	1637.1	1689.6	1732.1	1742.1
47.5°	1517.1	1534.6	1589.6	1627.1	1634.6
50°	1414.7	1432.2	1482.1	1519.6	1527.1
52.5°	1307.2	1334.7	1374.7	1402.2	1434.7
55°	1204.7	1217.2	1259.7	1312.2	1297.2
57.5°	1102.2	1109.7	1144.7	1167.2	1172.2
60°	989.8	999.8	1027.3	1039.7	1052.2
62.5°	872.3	879.8	912.3	924.8	929.8
65°	759.8	767.3	784.8	797.3	799.8
67.5°	644.8	652.3	667.3	677.3	722.3
70°	539.9	544.9	552.4	572.4	559.9
72.5°	439.9	442.4	449.9	449.9	452.4
75°	344.9	347.4	349.9	347.4	352.4
77.5°	257.4	262.4	264.9	262.4	259.9
80°	185.0	190.0	187.5	182.5	182.5
82.5°	120.0	122.5	120.0	117.5	117.5
85°	62.5	67.5	65.0	62.5	62.5
87.5°	22.5	25.0	27.5	30.0	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)