

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: P297401

Luminaire Tested: **D3X-WO-80L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-80L82765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7612.0 lumens  
Efficiency: N/A  
Efficacy: 126.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

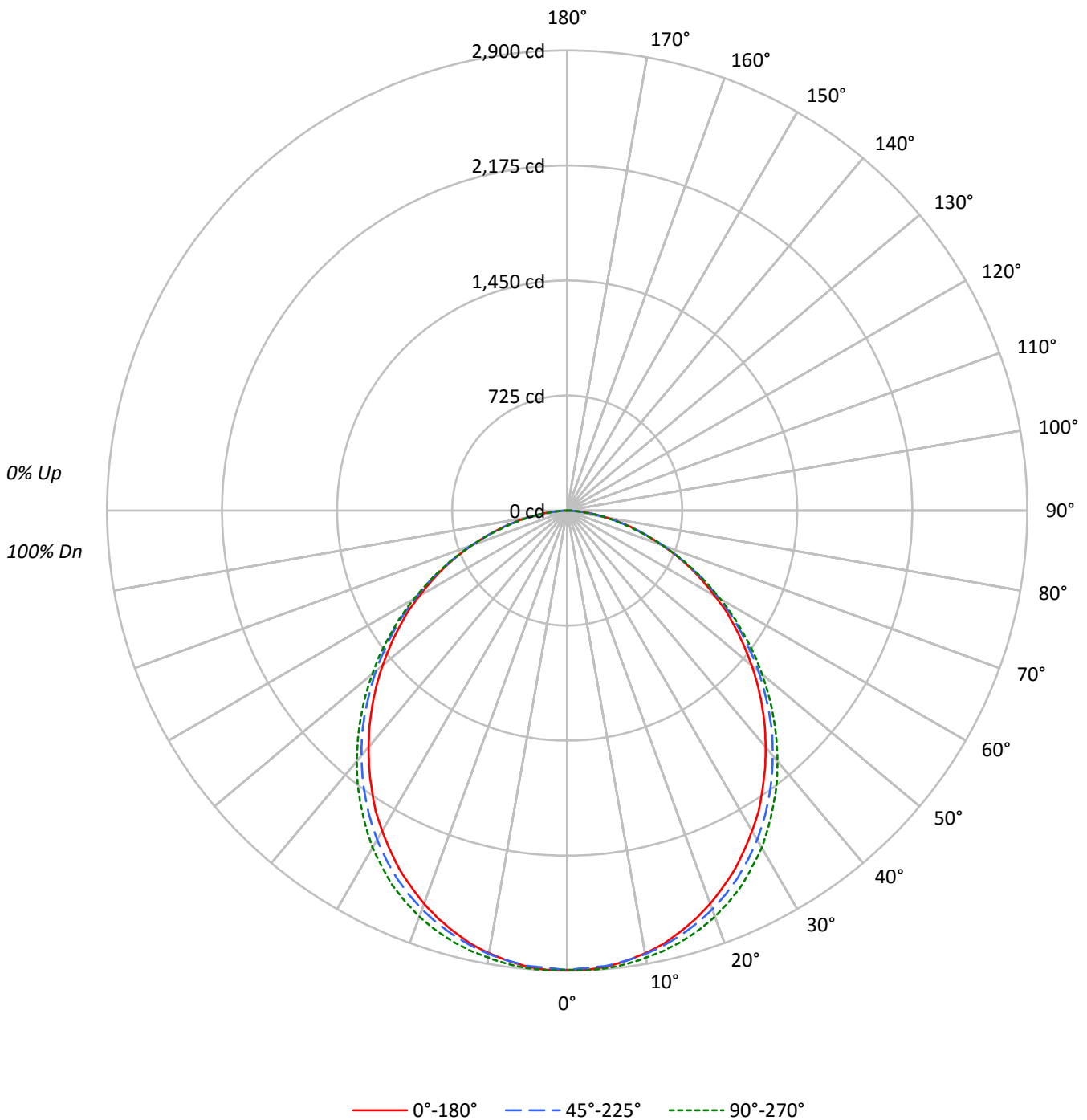
Input Watts (W): 60.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	3895	3895	3895
5°	3896	3889	3910
10°	3871	3878	3910
15°	3829	3858	3911
20°	3774	3829	3899
25°	3708	3784	3868
30°	3621	3721	3812
35°	3525	3639	3723
40°	3418	3540	3621
45°	3303	3425	3498
50°	3177	3296	3355
55°	3044	3140	3188
60°	2891	2967	3002
65°	2727	2768	2784
70°	2502	2532	2502
75°	2253	2240	2173
80°	1908	1888	1828
85°	1425	1385	1227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.1	3.6
10°-20°	783.0	10.3
20°-30°	1174.0	15.4
30°-40°	1382.6	18.2
40°-50°	1382.8	18.2
50°-60°	1193.1	15.7
60°-70°	858.5	11.3
70°-80°	455.4	6.0
80°-90°	108.6	1.4
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°	2231.1	29.3
0°-40°	3613.6	47.5
0°-60°	6189.5	81.3
0°-90°	7612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7612.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2895	2895	2895	2895	2895	
5°	2885	2882	2880	2890	2895	274
15°	2749	2756	2769	2798	2808	775
25°	2498	2513	2549	2592	2605	1149
35°	2146	2172	2216	2254	2267	1343
45°	1736	1759	1800	1831	1838	1339
55°	1298	1310	1338	1362	1359	1161
65°	856	859	869	874	874	847
75°	433	428	431	420	418	461
85°	92	92	90	82	80	112
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2895.0	2895.0	2895.0	2895.0	2895.0
2.5°	2897.5	2892.4	2884.7	2895.0	2900.1
5°	2884.7	2882.2	2879.6	2889.9	2895.0
7.5°	2861.6	2864.2	2861.6	2877.0	2882.2
10°	2833.4	2836.0	2838.6	2856.5	2861.6
12.5°	2797.5	2800.1	2807.8	2830.9	2838.6
15°	2748.8	2756.5	2769.3	2797.5	2807.8
17.5°	2697.5	2707.8	2725.7	2759.1	2769.3
20°	2636.0	2648.8	2674.5	2710.4	2723.2
22.5°	2566.8	2579.6	2615.5	2653.9	2666.8
25°	2497.5	2512.9	2548.8	2592.4	2605.2
27.5°	2415.5	2436.0	2474.5	2518.0	2528.3
30°	2330.9	2348.8	2395.0	2436.0	2453.9
32.5°	2246.2	2264.2	2307.8	2348.8	2361.6
35°	2146.2	2171.9	2215.5	2253.9	2266.8
37.5°	2048.8	2071.9	2118.0	2156.5	2169.3
40°	1946.2	1966.7	2015.5	2051.4	2061.6
42.5°	1843.7	1864.2	1912.9	1941.1	1951.4
45°	1736.0	1759.0	1800.1	1830.8	1838.5
47.5°	1628.3	1646.2	1684.7	1712.9	1723.1
50°	1518.0	1536.0	1574.4	1597.5	1602.6
52.5°	1407.7	1420.6	1456.5	1477.0	1484.7
55°	1297.5	1310.3	1338.5	1361.6	1359.0
57.5°	1192.4	1197.5	1225.7	1241.1	1241.1
60°	1074.4	1079.5	1102.6	1112.9	1115.4
62.5°	964.1	971.8	989.8	992.3	992.3
65°	856.4	859.0	869.3	874.4	874.4
67.5°	748.7	746.2	756.4	756.4	753.9
70°	635.9	641.1	643.6	638.5	635.9
72.5°	533.4	530.8	530.8	528.2	528.2
75°	433.4	428.2	430.8	420.5	418.0
77.5°	341.0	333.3	330.8	325.7	320.5
80°	246.2	246.2	243.6	238.5	235.9
82.5°	164.1	164.1	161.5	156.4	151.3
85°	92.3	92.3	89.7	82.1	79.5
87.5°	30.8	30.8	30.8	30.8	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)