

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: P297928

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297928  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-23L92765-LD5-UNV-14-T1-W2A-4500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2145.0 lumens  
Efficiency: N/A  
Efficacy: 102.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

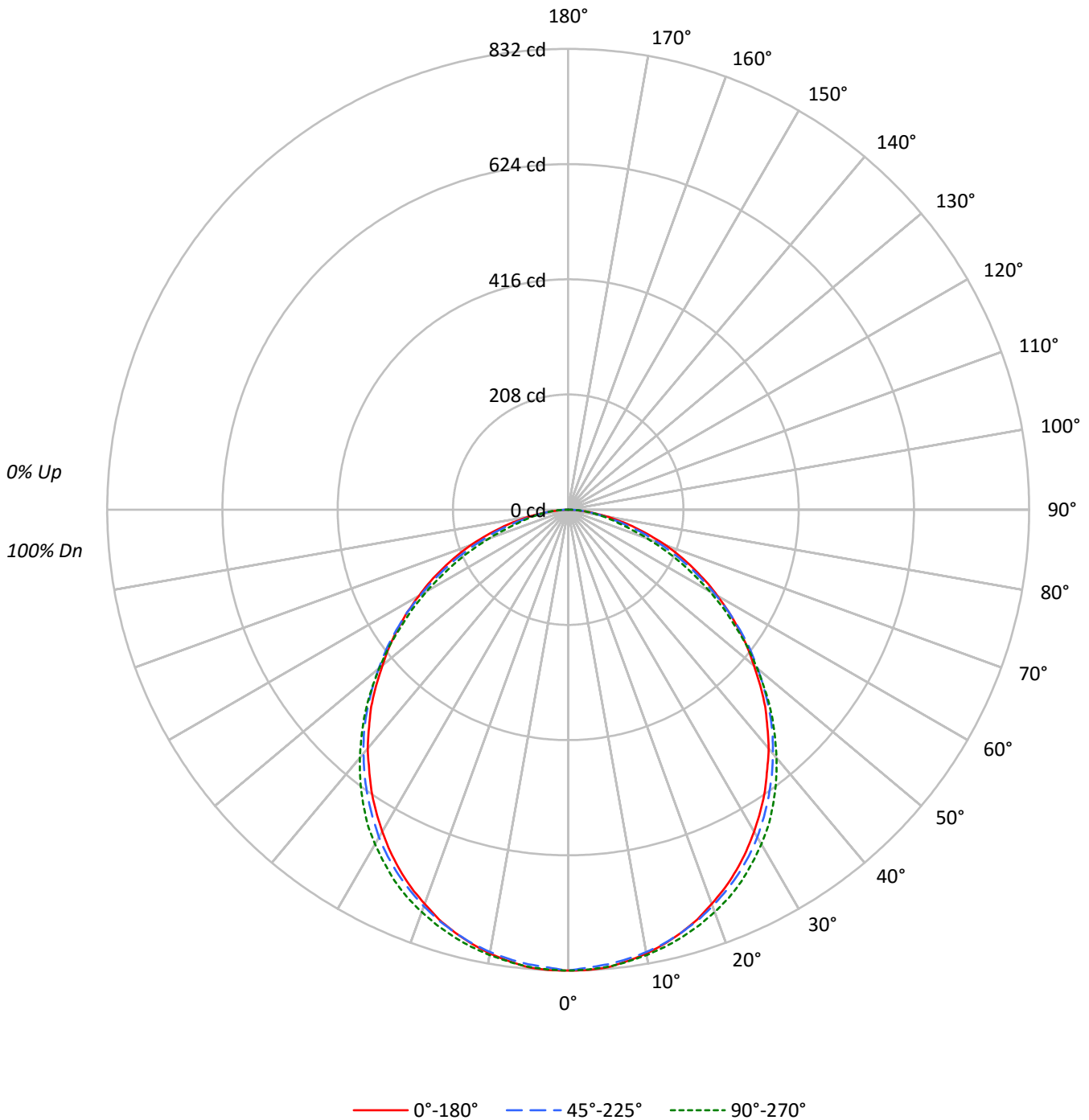
Input Watts (W): 21  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2239	2239	2239
5°	2240	2225	2237
10°	2224	2216	2231
15°	2201	2201	2224
20°	2169	2182	2213
25°	2133	2157	2197
30°	2085	2122	2167
35°	2034	2073	2121
40°	1977	2019	2054
45°	1913	1955	1972
50°	1831	1869	1861
55°	1762	1775	1727
60°	1674	1649	1586
65°	1580	1517	1413
70°	1467	1345	1194
75°	1305	1153	984
80°	1085	944	916
85°	787	843	843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.5	3.7
10°-20°	223.7	10.4
20°-30°	335.2	15.6
30°-40°	394.9	18.4
40°-50°	393.9	18.4
50°-60°	335.0	15.6
60°-70°	233.8	10.9
70°-80°	118.9	5.5
80°-90°	31.0	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°	637.4	29.7
0°-40°	1032.3	48.1
0°-60°	1761.3	82.1
0°-90°	2145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	829	827	824	828	828	79
15°	790	790	790	797	798	223
25°	718	719	726	737	740	331
35°	619	620	631	644	646	387
45°	503	505	514	517	518	387
55°	376	376	378	373	368	336
65°	248	245	238	226	222	246
75°	126	121	111	97	95	133
85°	26	26	27	27	27	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	832.0	832.0	832.0	832.0	832.0
2.5°	832.0	831.1	827.4	831.1	831.1
5°	829.2	827.4	823.8	828.3	828.3
7.5°	822.0	821.1	818.3	822.9	822.9
10°	813.8	812.9	811.1	816.5	816.5
12.5°	802.9	802.9	802.0	807.4	808.3
15°	790.1	790.1	790.1	797.4	798.3
17.5°	775.6	774.7	777.4	785.6	786.5
20°	757.4	758.3	762.0	771.1	772.9
22.5°	739.2	740.1	744.7	755.6	758.3
25°	718.3	719.2	726.5	737.4	740.1
27.5°	695.6	697.4	705.6	717.4	719.2
30°	671.0	672.9	682.9	694.7	697.4
32.5°	645.6	648.3	657.4	670.1	673.8
35°	619.2	620.1	631.0	643.8	645.6
37.5°	590.1	592.8	603.7	614.7	616.5
40°	562.8	564.6	574.7	583.7	584.7
42.5°	531.9	534.6	545.6	551.9	551.9
45°	502.8	504.6	513.7	517.4	518.3
47.5°	470.1	471.9	480.1	481.9	481.9
50°	437.4	441.9	446.4	446.4	444.6
52.5°	407.3	408.3	413.7	410.1	408.3
55°	375.5	375.5	378.3	372.8	368.2
57.5°	343.7	343.7	343.7	336.4	332.8
60°	311.0	310.1	306.4	297.3	294.6
62.5°	280.1	277.3	271.9	262.8	257.3
65°	248.2	244.6	238.2	225.5	221.9
67.5°	218.2	211.9	204.6	192.8	186.4
70°	186.4	180.9	170.9	157.3	151.8
72.5°	155.5	150.0	141.8	128.2	120.0
75°	125.5	120.9	110.9	97.3	94.6
77.5°	96.4	93.7	83.7	77.3	76.4
80°	70.0	69.1	60.9	59.1	59.1
82.5°	46.4	45.5	42.7	42.7	41.8
85°	25.5	26.4	27.3	27.3	27.3
87.5°	9.1	10.9	12.7	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)