

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: P297929

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297929  
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-5000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2188.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

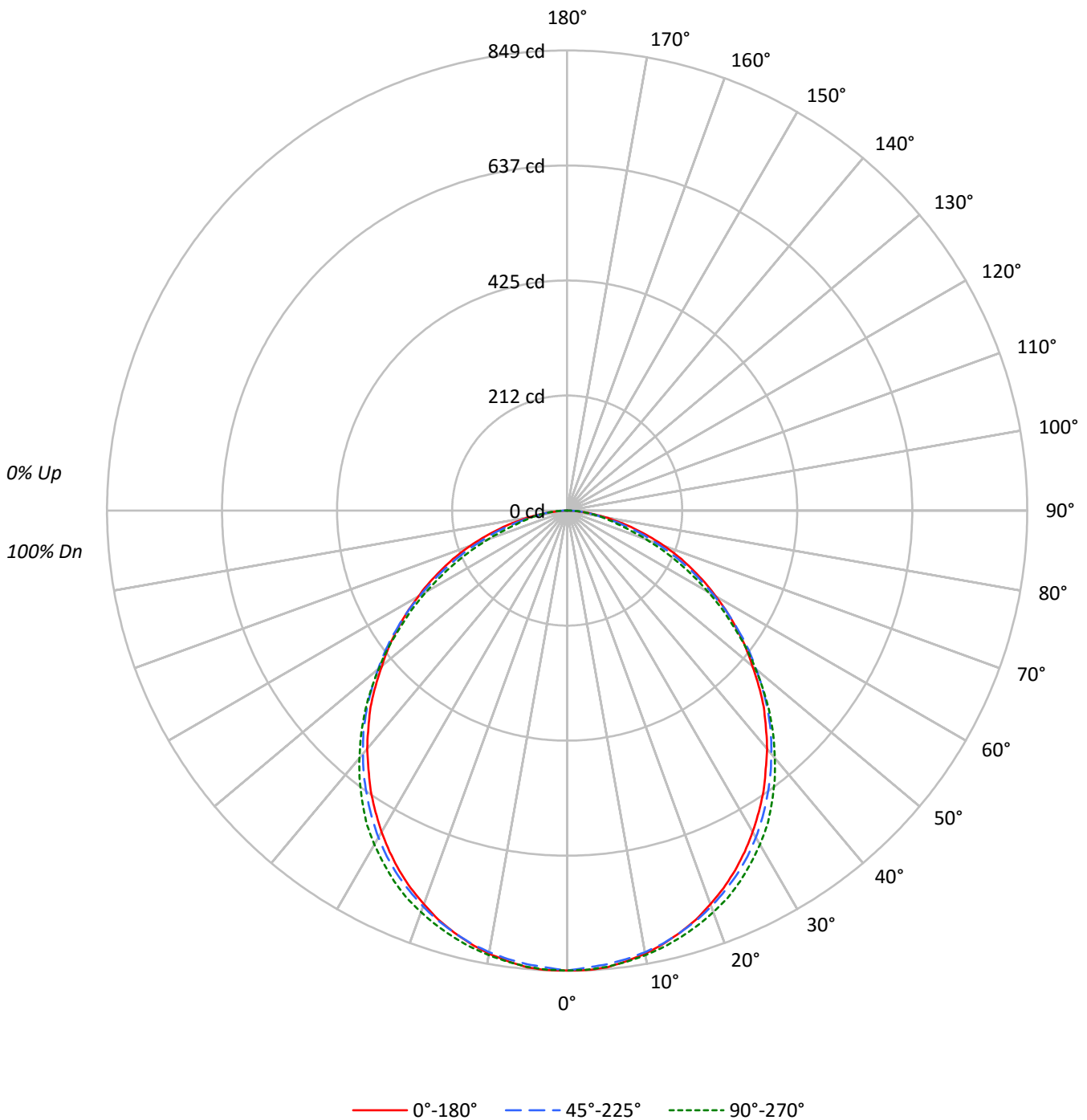
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RW	70	50	30	10	70	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
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

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

	0°	45°	90°
0°	2284	2284	2284
5°	2285	2270	2282
10°	2268	2261	2276
15°	2245	2245	2269
20°	2212	2226	2258
25°	2176	2200	2242
30°	2127	2164	2211
35°	2075	2115	2163
40°	2017	2059	2095
45°	1952	1994	2012
50°	1868	1906	1899
55°	1797	1810	1762
60°	1707	1682	1617
65°	1612	1547	1441
70°	1496	1372	1219
75°	1331	1177	1003
80°	1106	962	934
85°	803	858	858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.1	3.7
10°-20°	228.1	10.4
20°-30°	341.9	15.6
30°-40°	402.9	18.4
40°-50°	401.8	18.4
50°-60°	341.8	15.6
60°-70°	238.5	10.9
70°-80°	121.2	5.5
80°-90°	31.7	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°	650.2	29.7
0°-40°	1053.0	48.1
0°-60°	1796.6	82.1
0°-90°	2188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	846	844	840	845	845	80
15°	806	806	806	813	814	227
25°	733	734	741	752	755	337
35°	632	632	644	657	658	395
45°	513	515	524	528	529	395
55°	383	383	386	380	376	342
65°	253	250	243	230	226	251
75°	128	123	113	99	96	136
85°	26	27	28	28	28	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	848.6	848.6	848.6	848.6	848.6
2.5°	848.6	847.7	844.0	847.7	847.7
5°	845.9	844.0	840.3	844.9	844.9
7.5°	838.4	837.5	834.7	839.4	839.4
10°	830.1	829.2	827.3	832.9	832.9
12.5°	819.0	819.0	818.0	823.6	824.5
15°	806.0	806.0	806.0	813.4	814.3
17.5°	791.1	790.2	793.0	801.3	802.3
20°	772.6	773.5	777.2	786.5	788.4
22.5°	754.0	755.0	759.6	770.7	773.5
25°	732.7	733.6	741.1	752.2	755.0
27.5°	709.5	711.4	719.7	731.8	733.6
30°	684.5	686.3	696.5	708.6	711.4
32.5°	658.5	661.3	670.6	683.6	687.3
35°	631.6	632.5	643.7	656.7	658.5
37.5°	601.9	604.7	615.9	627.0	628.8
40°	574.1	576.0	586.2	595.4	596.4
42.5°	542.6	545.4	556.5	563.0	563.0
45°	512.9	514.8	524.0	527.7	528.7
47.5°	479.5	481.4	489.7	491.6	491.6
50°	446.1	450.8	455.4	455.4	453.5
52.5°	415.5	416.4	422.0	418.3	416.4
55°	383.1	383.1	385.8	380.3	375.6
57.5°	350.6	350.6	350.6	343.2	339.5
60°	317.2	316.3	312.6	303.3	300.5
62.5°	285.7	282.9	277.3	268.0	262.5
65°	253.2	249.5	243.0	230.0	226.3
67.5°	222.6	216.1	208.7	196.6	190.1
70°	190.1	184.6	174.4	160.5	154.9
72.5°	158.6	153.0	144.7	130.8	122.4
75°	128.0	123.4	113.2	99.2	96.5
77.5°	98.3	95.5	85.3	78.8	77.9
80°	71.4	70.5	62.1	60.3	60.3
82.5°	47.3	46.4	43.6	43.6	42.7
85°	26.0	26.9	27.8	27.8	27.8
87.5°	9.3	11.1	13.0	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)