

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: P297723

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2324.0 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

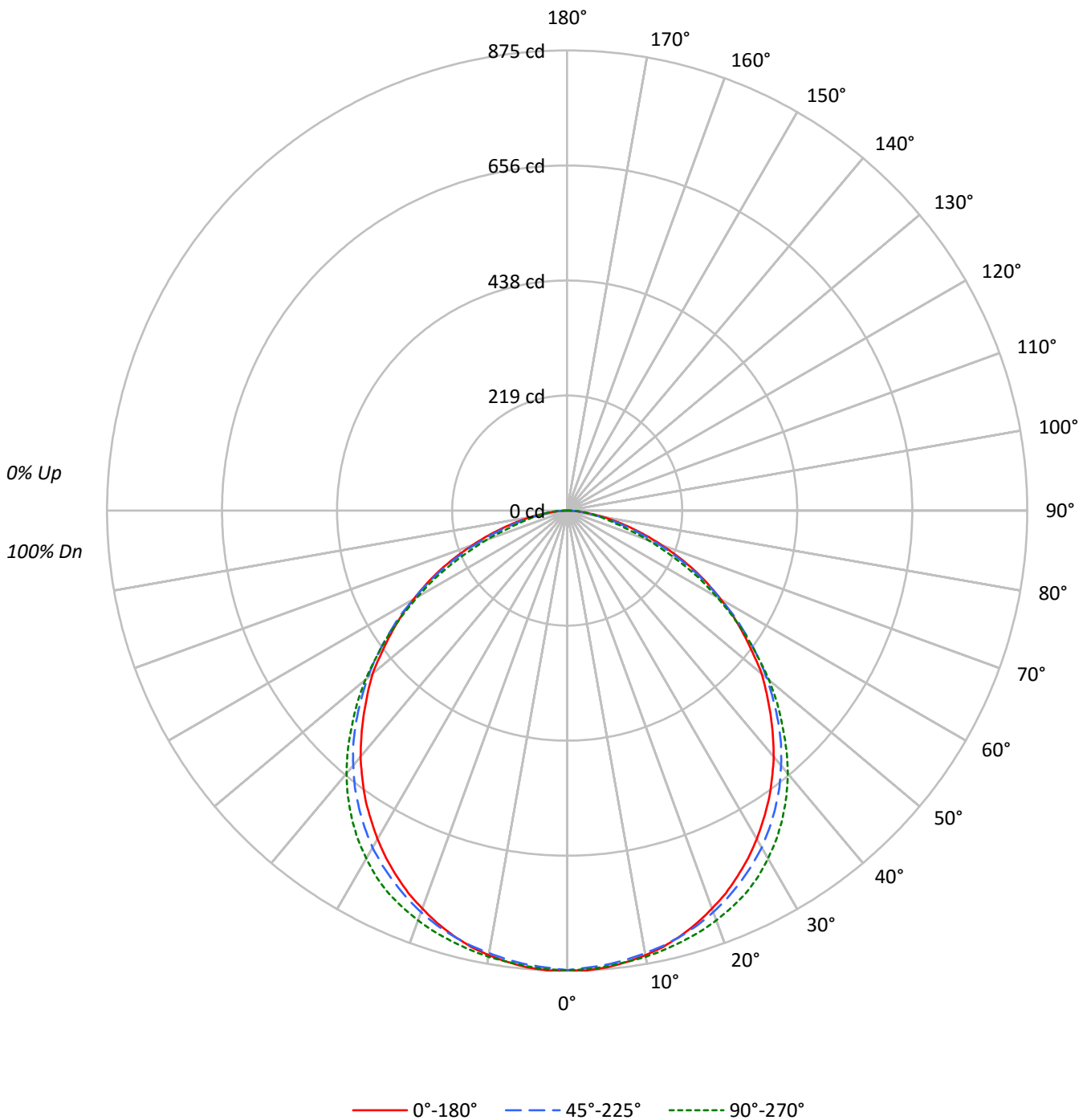
Input Watts (W): 23.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	2352	2352	2352
5°	2355	2341	2350
10°	2346	2334	2354
15°	2331	2333	2362
20°	2306	2327	2375
25°	2277	2314	2385
30°	2241	2299	2374
35°	2199	2267	2346
40°	2147	2223	2293
45°	2080	2159	2203
50°	2023	2075	2097
55°	1921	1960	1950
60°	1818	1818	1767
65°	1687	1648	1555
70°	1496	1431	1292
75°	1297	1178	994
80°	1063	917	902
85°	707	834	898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.6	3.6
10°-20°	237.2	10.2
20°-30°	360.5	15.5
30°-40°	431.6	18.6
40°-50°	435.4	18.7
50°-60°	370.8	16.0
60°-70°	253.6	10.9
70°-80°	121.4	5.2
80°-90°	30.7	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°	680.4	29.3
0°-40°	1112.0	47.8
0°-60°	1918.2	82.5
0°-90°	2324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2324.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	872	871	867	871	870	83
15°	837	834	838	847	848	236
25°	767	768	779	797	803	353
35°	669	671	690	710	714	418
45°	547	551	567	579	579	422
55°	410	412	418	419	416	367
65°	265	260	259	249	244	261
75°	125	123	113	99	96	133
85°	23	25	27	28	29	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	874.0	874.0	874.0	874.0	874.0
2.5°	875.1	874.0	869.9	874.0	873.0
5°	871.9	870.9	866.7	870.9	869.9
7.5°	865.7	864.7	861.5	865.7	865.7
10°	858.4	856.3	854.3	860.5	861.5
12.5°	849.1	847.0	847.0	854.3	855.3
15°	836.6	834.5	837.6	847.0	848.0
17.5°	822.1	821.0	826.2	837.6	839.7
20°	805.4	804.4	812.7	826.2	829.3
22.5°	787.8	787.8	797.1	812.7	816.9
25°	767.0	768.0	779.4	797.1	803.3
27.5°	745.1	747.2	760.7	780.5	785.7
30°	721.2	724.4	739.9	758.7	763.9
32.5°	695.3	698.4	716.0	735.8	741.0
35°	669.3	671.4	690.1	709.8	714.0
37.5°	640.2	643.3	663.0	680.7	684.9
40°	611.1	614.2	632.9	649.5	652.7
42.5°	578.9	583.0	601.7	615.2	617.3
45°	546.6	550.8	567.4	578.9	578.9
47.5°	514.4	516.5	531.1	542.5	541.5
50°	483.3	482.2	495.7	500.9	500.9
52.5°	444.8	447.9	457.3	460.4	457.3
55°	409.5	411.5	417.8	418.8	415.7
57.5°	375.2	374.1	379.3	376.2	372.1
60°	337.8	337.8	337.8	334.6	328.4
62.5°	301.4	299.3	298.3	291.0	287.9
65°	265.0	259.8	258.8	249.4	244.2
67.5°	226.6	224.5	219.3	209.9	200.6
70°	190.2	188.1	181.9	170.4	164.2
72.5°	156.9	154.8	146.5	133.0	124.7
75°	124.7	122.6	113.3	98.7	95.6
77.5°	94.6	93.5	84.2	76.9	75.9
80°	68.6	67.6	59.2	59.2	58.2
82.5°	43.6	43.6	41.6	42.6	43.6
85°	22.9	24.9	27.0	28.1	29.1
87.5°	7.3	11.4	13.5	14.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)