

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: P297935

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297935  
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-26L92765-LD5-UNV-14-T1-W2A-3500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2286.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 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

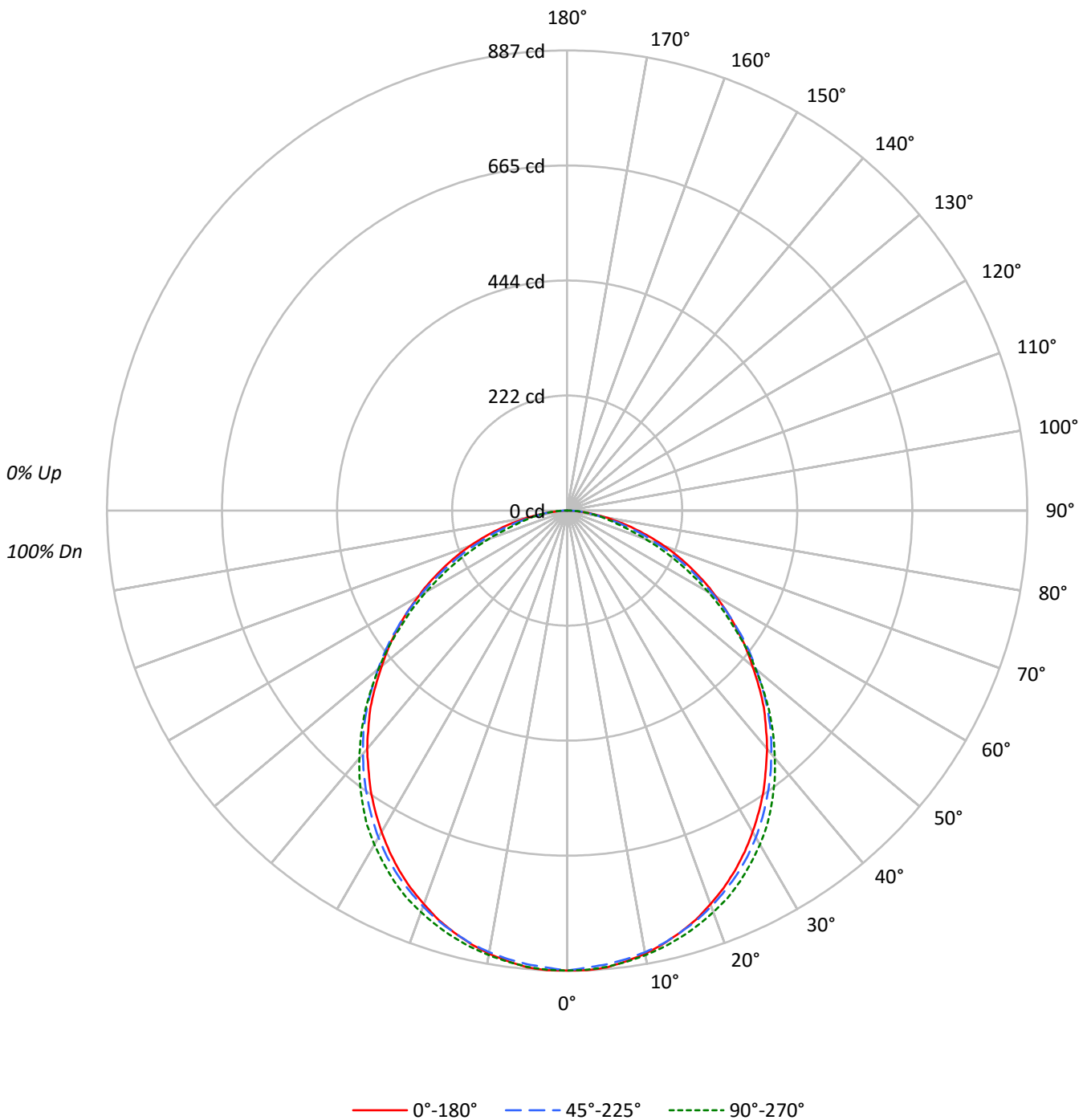
Input Watts (W): 23.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2386	2386	2386
5°	2387	2371	2385
10°	2370	2362	2378
15°	2346	2346	2370
20°	2312	2325	2359
25°	2273	2299	2342
30°	2222	2261	2309
35°	2168	2209	2260
40°	2107	2151	2189
45°	2039	2084	2102
50°	1951	1992	1984
55°	1878	1891	1841
60°	1784	1758	1690
65°	1684	1617	1505
70°	1563	1434	1273
75°	1390	1229	1048
80°	1156	1006	976
85°	837	898	898



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	3.7
10°-20°	238.4	10.4
20°-30°	357.2	15.6
30°-40°	420.9	18.4
40°-50°	419.8	18.4
50°-60°	357.1	15.6
60°-70°	249.2	10.9
70°-80°	126.7	5.5
80°-90°	33.1	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°	679.3	29.7
0°-40°	1100.2	48.1
0°-60°	1877.0	82.1
0°-90°	2286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	884	882	878	883	883	84
15°	842	842	842	850	851	237
25°	766	766	774	786	789	352
35°	660	661	672	686	688	412
45°	536	538	548	551	552	412
55°	400	400	403	397	392	358
65°	264	261	254	240	236	262
75°	134	129	118	104	101	142
85°	27	28	29	29	29	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	886.7	886.7	886.7	886.7	886.7
2.5°	886.7	885.7	881.8	885.7	885.7
5°	883.8	881.8	877.9	882.8	882.8
7.5°	876.0	875.0	872.1	877.0	877.0
10°	867.3	866.3	864.4	870.2	870.2
12.5°	855.7	855.7	854.7	860.5	861.5
15°	842.1	842.1	842.1	849.8	850.8
17.5°	826.6	825.6	828.5	837.2	838.2
20°	807.2	808.2	812.0	821.7	823.7
22.5°	787.8	788.8	793.6	805.3	808.2
25°	765.5	766.5	774.3	785.9	788.8
27.5°	741.3	743.2	752.0	764.6	766.5
30°	715.1	717.1	727.7	740.3	743.2
32.5°	688.0	690.9	700.6	714.2	718.0
35°	659.9	660.9	672.5	686.1	688.0
37.5°	628.9	631.8	643.4	655.1	657.0
40°	599.8	601.8	612.4	622.1	623.1
42.5°	566.9	569.8	581.4	588.2	588.2
45°	535.9	537.8	547.5	551.4	552.3
47.5°	501.0	502.9	511.6	513.6	513.6
50°	466.1	470.9	475.8	475.8	473.9
52.5°	434.1	435.1	440.9	437.0	435.1
55°	400.2	400.2	403.1	397.3	392.5
57.5°	366.3	366.3	366.3	358.5	354.7
60°	331.4	330.4	326.6	316.9	314.0
62.5°	298.5	295.6	289.7	280.0	274.2
65°	264.5	260.7	253.9	240.3	236.4
67.5°	232.6	225.8	218.0	205.4	198.7
70°	198.7	192.8	182.2	167.6	161.8
72.5°	165.7	159.9	151.2	136.6	127.9
75°	133.7	128.9	118.2	103.7	100.8
77.5°	102.7	99.8	89.2	82.4	81.4
80°	74.6	73.6	64.9	63.0	63.0
82.5°	49.4	48.5	45.5	45.5	44.6
85°	27.1	28.1	29.1	29.1	29.1
87.5°	9.7	11.6	13.6	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)