

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: P297654

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297654  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2067.0 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

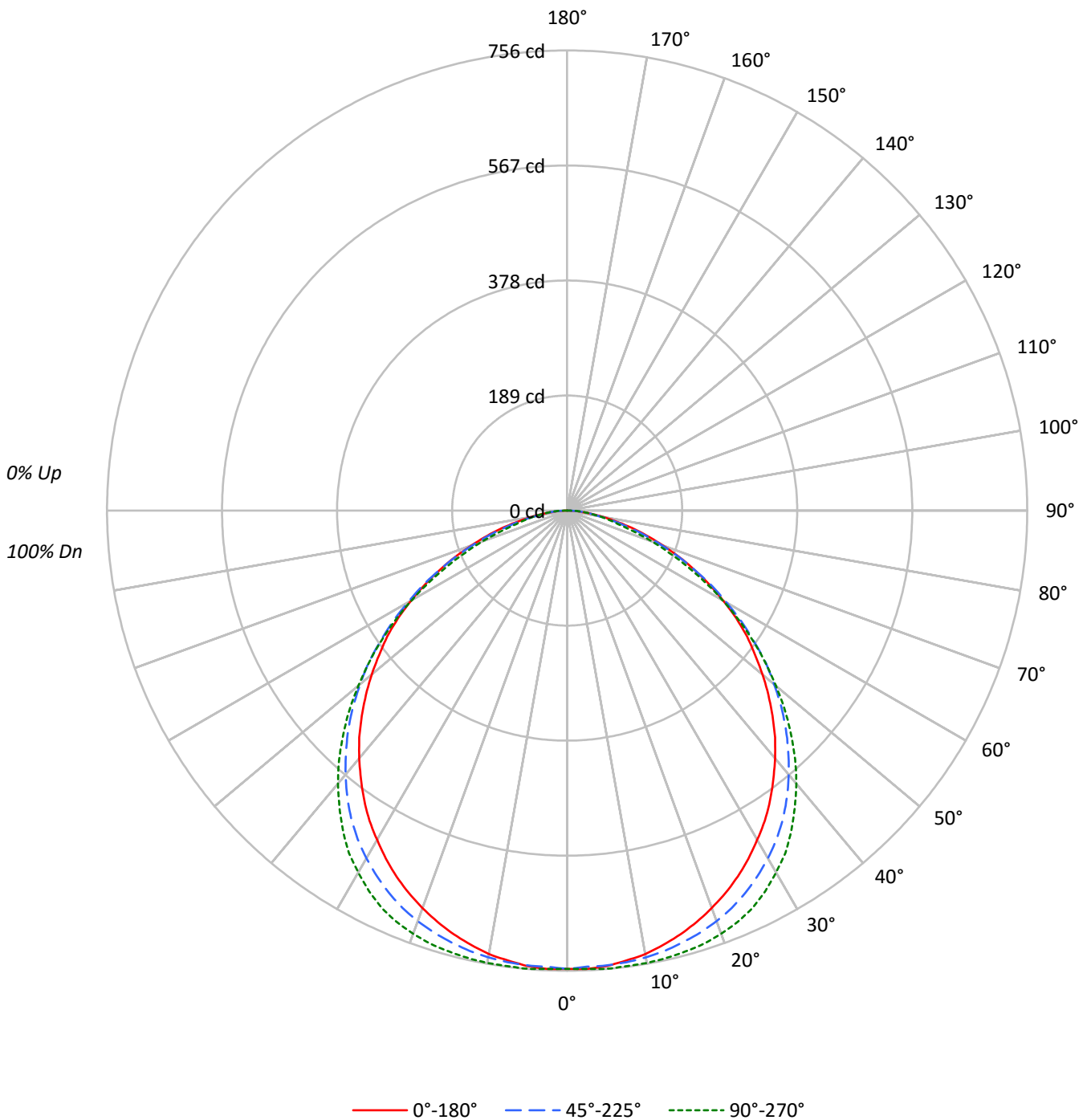
Input Watts (W): 23.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	2026	2026	2026
5°	2029	2026	2041
10°	2022	2037	2062
15°	2008	2046	2090
20°	1990	2056	2119
25°	1970	2057	2140
30°	1941	2050	2133
35°	1910	2031	2110
40°	1867	1990	2058
45°	1815	1935	1980
50°	1754	1858	1873
55°	1693	1757	1749
60°	1594	1629	1589
65°	1469	1475	1393
70°	1314	1285	1168
75°	1142	1065	901
80°	916	829	829
85°	655	769	797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.6	3.5
10°-20°	207.8	10.1
20°-30°	319.1	15.4
30°-40°	384.3	18.6
40°-50°	388.4	18.8
50°-60°	331.3	16.0
60°-70°	226.8	11.0
70°-80°	109.4	5.3
80°-90°	28.2	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
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0°-30°	598.6	29.0
0°-40°	982.9	47.6
0°-60°	1702.6	82.4
0°-90°	2067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	753	753	753	753	753	
5°	751	751	750	755	756	71
15°	721	726	734	747	750	203
25°	663	674	693	713	721	305
35°	581	594	618	638	642	363
45°	477	490	508	520	520	368
55°	361	367	375	376	373	321
65°	231	233	232	223	219	229
75°	110	110	102	90	87	117
85°	21	23	25	26	26	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	752.9	752.9	752.9	752.9	752.9
2.5°	753.8	752.9	750.1	753.8	753.8
5°	751.1	751.1	750.1	754.7	755.7
7.5°	745.5	747.4	748.3	753.8	754.7
10°	740.0	741.8	745.5	752.9	754.7
12.5°	730.8	734.4	740.9	751.1	752.9
15°	720.6	726.1	734.4	747.4	750.1
17.5°	708.6	716.0	727.1	741.8	746.4
20°	694.8	703.1	717.8	734.4	740.0
22.5°	680.0	689.2	706.8	726.1	731.7
25°	663.4	673.5	692.9	713.2	720.6
27.5°	644.9	656.0	677.2	698.5	704.9
30°	624.6	636.6	659.7	680.9	686.5
32.5°	604.3	616.3	640.3	660.6	667.1
35°	581.3	594.2	618.2	637.6	642.2
37.5°	556.4	569.3	593.3	612.7	614.5
40°	531.5	544.4	566.5	584.0	585.9
42.5°	505.6	517.6	537.9	552.7	554.5
45°	477.0	489.9	508.4	520.4	520.4
47.5°	448.4	461.3	477.0	485.3	485.3
50°	418.9	430.9	443.8	448.4	447.5
52.5°	389.4	400.4	411.5	412.4	410.6
55°	360.8	367.2	374.6	376.4	372.8
57.5°	329.4	334.9	339.5	336.8	334.0
60°	296.2	301.7	302.6	298.0	295.3
62.5°	263.9	268.5	268.5	261.1	256.5
65°	230.7	233.4	231.6	223.3	218.7
67.5°	199.3	201.1	197.5	189.1	181.8
70°	167.0	167.9	163.3	153.2	148.5
72.5°	137.5	138.4	132.9	120.9	115.3
75°	109.8	109.8	102.4	90.4	86.7
77.5°	82.1	84.9	76.6	70.1	70.1
80°	59.1	61.8	53.5	54.4	53.5
82.5°	38.8	41.5	38.8	38.8	38.8
85°	21.2	23.1	24.9	25.8	25.8
87.5°	6.5	11.1	12.0	12.9	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)