

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: P297653

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297653  
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-2700K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1988.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 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

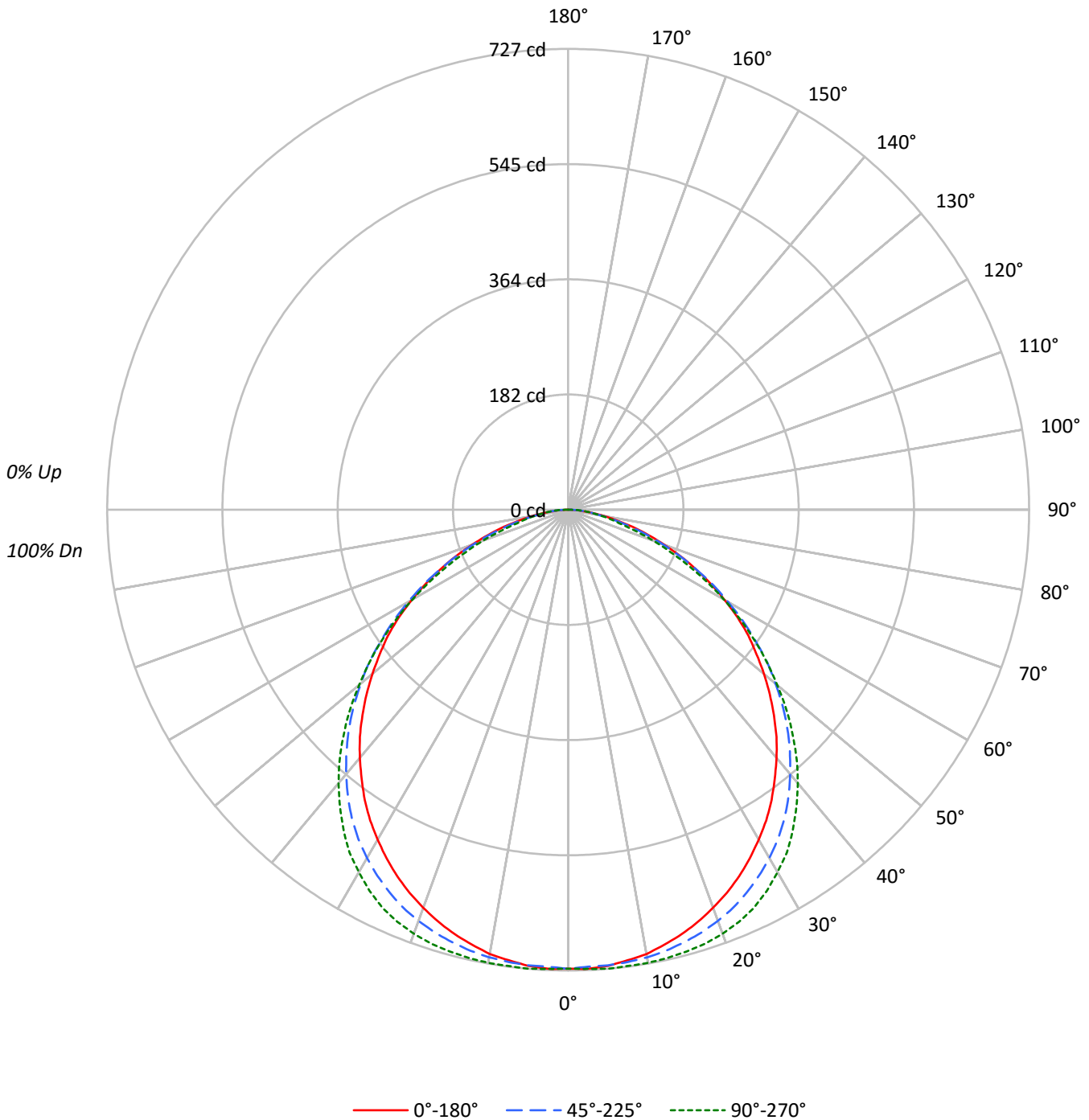
Input Watts (W): 23.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297653

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P297653

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-2700K

**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°	1949	1949	1949
5°	1951	1949	1963
10°	1945	1959	1984
15°	1931	1968	2010
20°	1914	1977	2038
25°	1894	1979	2058
30°	1867	1972	2051
35°	1837	1953	2029
40°	1795	1914	1979
45°	1746	1861	1905
50°	1687	1787	1802
55°	1628	1690	1682
60°	1533	1567	1528
65°	1413	1418	1339
70°	1264	1236	1124
75°	1098	1024	867
80°	880	798	798
85°	630	741	766



TEST NUMBER: P297653

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.9	3.5
10°-20°	199.9	10.1
20°-30°	306.9	15.4
30°-40°	369.6	18.6
40°-50°	373.6	18.8
50°-60°	318.6	16.0
60°-70°	218.1	11.0
70°-80°	105.3	5.3
80°-90°	27.1	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°	575.7	29.0
0°-40°	945.3	47.6
0°-60°	1637.5	82.4
0°-90°	1988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	724	724	724	724	724	
5°	722	722	722	726	727	69
15°	693	698	706	719	722	195
25°	638	648	666	686	693	294
35°	559	572	595	613	618	349
45°	459	471	489	500	500	354
55°	347	353	360	362	358	309
65°	222	224	223	215	210	220
75°	106	106	98	87	83	112
85°	20	22	24	25	25	25
90°	0	0	0	0	0	



TEST NUMBER: P297653

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	724.1	724.1	724.1	724.1	724.1
2.5°	725.0	724.1	721.5	725.0	725.0
5°	722.3	722.3	721.5	725.9	726.8
7.5°	717.0	718.8	719.7	725.0	725.9
10°	711.7	713.5	717.0	724.1	725.9
12.5°	702.8	706.4	712.6	722.3	724.1
15°	693.1	698.4	706.4	718.8	721.5
17.5°	681.5	688.6	699.3	713.5	717.9
20°	668.2	676.2	690.4	706.4	711.7
22.5°	654.0	662.9	679.8	698.4	703.7
25°	638.0	647.8	666.4	686.0	693.1
27.5°	620.3	630.9	651.4	671.8	678.0
30°	600.8	612.3	634.5	654.9	660.2
32.5°	581.2	592.8	615.9	635.4	641.6
35°	559.1	571.5	594.6	613.2	617.6
37.5°	535.1	547.5	570.6	589.2	591.0
40°	511.1	523.6	544.9	561.7	563.5
42.5°	486.3	497.8	517.4	531.6	533.3
45°	458.8	471.2	489.0	500.5	500.5
47.5°	431.3	443.7	458.8	466.8	466.8
50°	402.9	414.4	426.8	431.3	430.4
52.5°	374.5	385.1	395.8	396.7	394.9
55°	347.0	353.2	360.3	362.1	358.5
57.5°	316.8	322.1	326.6	323.9	321.2
60°	284.9	290.2	291.1	286.6	284.0
62.5°	253.8	258.2	258.2	251.1	246.7
65°	221.9	224.5	222.7	214.8	210.3
67.5°	191.7	193.5	189.9	181.9	174.8
70°	160.6	161.5	157.1	147.3	142.9
72.5°	132.2	133.1	127.8	116.2	110.9
75°	105.6	105.6	98.5	87.0	83.4
77.5°	79.0	81.6	73.7	67.4	67.4
80°	56.8	59.5	51.5	52.4	51.5
82.5°	37.3	39.9	37.3	37.3	37.3
85°	20.4	22.2	24.0	24.8	24.8
87.5°	6.2	10.6	11.5	12.4	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)