

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: P297624

Luminaire Tested: **D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297624  
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-26L93050-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: 1974.0 lumens  
Efficiency: N/A  
Efficacy: 80.9 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

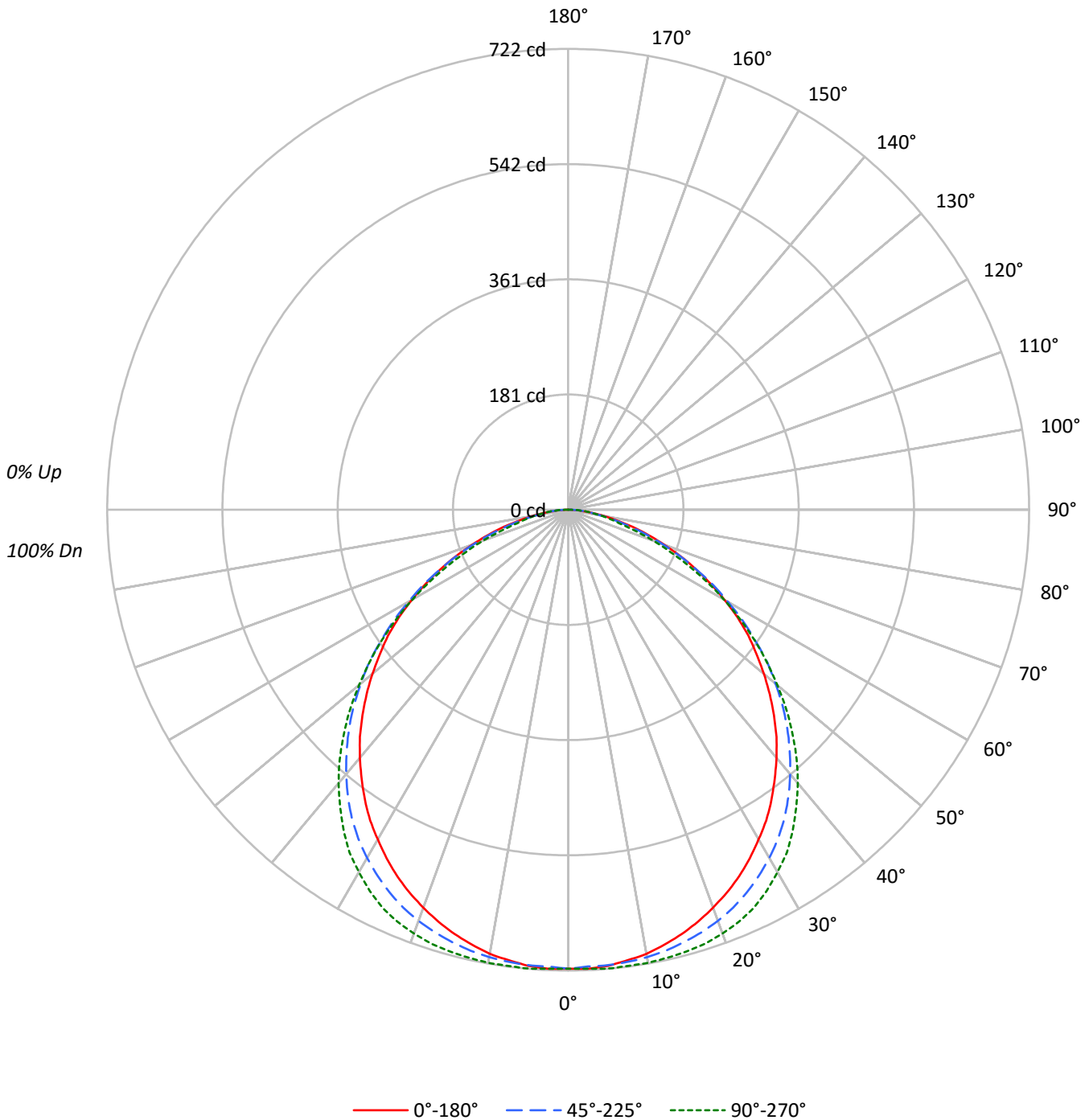
Input Watts (W): 24.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P297624

CATALOG NUMBER: D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P297624

CATALOG NUMBER: D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3000K

**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°	1935	1935	1935
5°	1938	1935	1949
10°	1931	1946	1970
15°	1917	1954	1996
20°	1900	1963	2024
25°	1881	1965	2043
30°	1853	1958	2037
35°	1824	1940	2015
40°	1783	1900	1965
45°	1734	1848	1891
50°	1675	1774	1789
55°	1616	1678	1670
60°	1523	1555	1518
65°	1403	1408	1330
70°	1255	1227	1116
75°	1091	1017	861
80°	874	792	792
85°	627	735	763



TEST NUMBER: P297624

CATALOG NUMBER: D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.4	3.5
10°-20°	198.5	10.1
20°-30°	304.8	15.4
30°-40°	367.0	18.6
40°-50°	370.9	18.8
50°-60°	316.4	16.0
60°-70°	216.6	11.0
70°-80°	104.5	5.3
80°-90°	26.9	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°	571.6	29.0
0°-40°	938.7	47.6
0°-60°	1626.0	82.4
0°-90°	1974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	717	717	716	721	722	68
15°	688	694	701	714	716	194
25°	634	643	662	681	688	292
35°	555	568	590	609	613	347
45°	456	468	486	497	497	351
55°	344	351	358	360	356	307
65°	220	223	221	213	209	219
75°	105	105	98	86	83	111
85°	20	22	24	25	25	25
90°	0	0	0	0	0	



TEST NUMBER: P297624

CATALOG NUMBER: D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	719.0	719.0	719.0	719.0	719.0
2.5°	719.9	719.0	716.4	719.9	719.9
5°	717.3	717.3	716.4	720.8	721.7
7.5°	712.0	713.7	714.6	719.9	720.8
10°	706.7	708.4	712.0	719.0	720.8
12.5°	697.9	701.4	707.6	717.3	719.0
15°	688.2	693.5	701.4	713.7	716.4
17.5°	676.7	683.8	694.3	708.4	712.9
20°	663.5	671.4	685.5	701.4	706.7
22.5°	649.4	658.2	675.0	693.5	698.8
25°	633.6	643.2	661.7	681.1	688.2
27.5°	615.9	626.5	646.8	667.0	673.2
30°	596.5	608.0	630.0	650.3	655.6
32.5°	577.2	588.6	611.5	630.9	637.1
35°	555.1	567.5	590.4	608.9	613.3
37.5°	531.3	543.7	566.6	585.1	586.8
40°	507.5	519.9	541.0	557.8	559.5
42.5°	482.9	494.3	513.7	527.8	529.6
45°	455.6	467.9	485.5	497.0	497.0
47.5°	428.2	440.6	455.6	463.5	463.5
50°	400.0	411.5	423.8	428.2	427.4
52.5°	371.8	382.4	393.0	393.9	392.1
55°	344.5	350.7	357.7	359.5	356.0
57.5°	314.6	319.9	324.3	321.6	319.0
60°	282.9	288.1	289.0	284.6	282.0
62.5°	252.0	256.4	256.4	249.4	245.0
65°	220.3	222.9	221.2	213.2	208.8
67.5°	190.3	192.1	188.6	180.6	173.6
70°	159.5	160.4	156.0	146.3	141.9
72.5°	131.3	132.2	126.9	115.4	110.1
75°	104.9	104.9	97.8	86.4	82.8
77.5°	78.4	81.1	73.1	67.0	67.0
80°	56.4	59.0	51.1	52.0	51.1
82.5°	37.0	39.7	37.0	37.0	37.0
85°	20.3	22.0	23.8	24.7	24.7
87.5°	6.2	10.6	11.5	12.3	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)