

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: P297938

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297938
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-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2470.0 lumens
Efficiency: N/A
Efficacy: 101.2 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

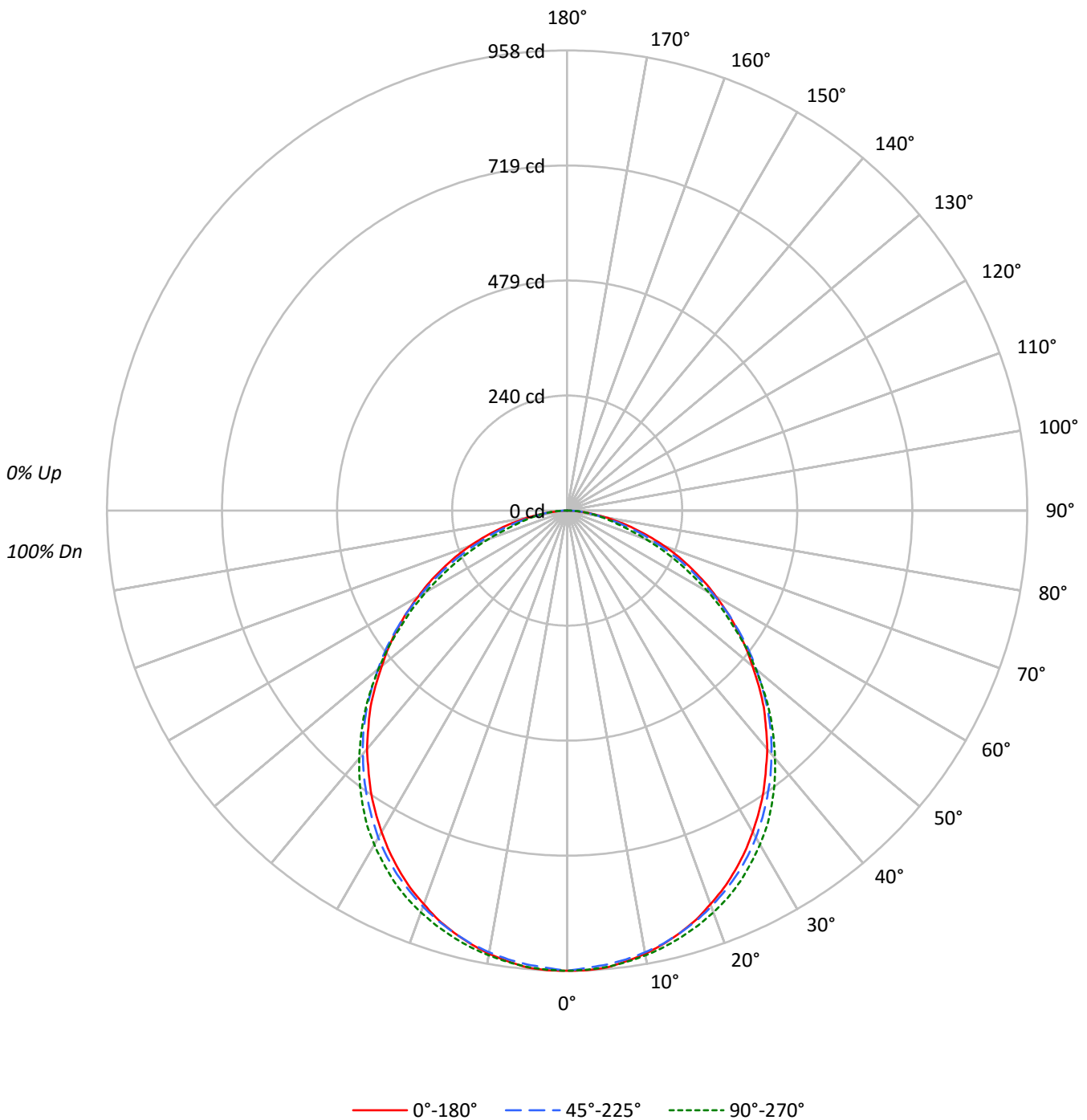
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297938

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P297938

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5000K

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°	2578	2578	2578
5°	2579	2562	2576
10°	2561	2552	2569
15°	2535	2535	2561
20°	2498	2513	2549
25°	2456	2484	2531
30°	2401	2443	2495
35°	2342	2387	2442
40°	2277	2324	2365
45°	2203	2251	2271
50°	2108	2152	2143
55°	2029	2044	1989
60°	1927	1899	1826
65°	1820	1747	1627
70°	1688	1548	1376
75°	1502	1328	1132
80°	1249	1088	1055
85°	905	969	969



TEST NUMBER: P297938

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	3.7
10°-20°	257.5	10.4
20°-30°	386.0	15.6
30°-40°	454.8	18.4
40°-50°	453.6	18.4
50°-60°	385.8	15.6
60°-70°	269.3	10.9
70°-80°	136.9	5.5
80°-90°	35.8	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°	734.0	29.7
0°-40°	1188.7	48.1
0°-60°	2028.1	82.1
0°-90°	2470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	955	953	949	954	954	91
15°	910	910	910	918	919	256
25°	827	828	837	849	852	381
35°	713	714	727	741	743	445
45°	579	581	592	596	597	445
55°	432	432	436	429	424	386
65°	286	282	274	260	256	283
75°	144	139	128	112	109	153
85°	29	30	31	31	31	36
90°	0	0	0	0	0	



TEST NUMBER: P297938

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.0	958.0	958.0	958.0	958.0
2.5°	958.0	957.0	952.8	957.0	957.0
5°	954.9	952.8	948.6	953.8	953.8
7.5°	946.5	945.5	942.3	947.6	947.6
10°	937.1	936.0	933.9	940.2	940.2
12.5°	924.5	924.5	923.5	929.8	930.8
15°	909.9	909.9	909.9	918.2	919.3
17.5°	893.1	892.1	895.2	904.6	905.7
20°	872.2	873.2	877.4	887.9	890.0
22.5°	851.2	852.3	857.5	870.1	873.2
25°	827.1	828.2	836.6	849.1	852.3
27.5°	801.0	803.1	812.5	826.1	828.2
30°	772.7	774.8	786.3	799.9	803.1
32.5°	743.4	746.5	757.0	771.7	775.8
35°	713.0	714.1	726.6	741.3	743.4
37.5°	679.5	682.7	695.2	707.8	709.9
40°	648.1	650.2	661.7	672.2	673.2
42.5°	612.5	615.7	628.2	635.5	635.5
45°	579.0	581.1	591.6	595.8	596.8
47.5°	541.3	543.4	552.8	554.9	554.9
50°	503.6	508.9	514.1	514.1	512.0
52.5°	469.1	470.1	476.4	472.2	470.1
55°	432.4	432.4	435.6	429.3	424.0
57.5°	395.8	395.8	395.8	387.4	383.2
60°	358.1	357.0	352.8	342.4	339.2
62.5°	322.5	319.3	313.1	302.6	296.3
65°	285.8	281.6	274.3	259.7	255.5
67.5°	251.3	244.0	235.6	222.0	214.6
70°	214.6	208.4	196.8	181.1	174.9
72.5°	179.0	172.8	163.3	147.6	138.2
75°	144.5	139.3	127.7	112.0	108.9
77.5°	111.0	107.8	96.3	89.0	88.0
80°	80.6	79.6	70.2	68.1	68.1
82.5°	53.4	52.4	49.2	49.2	48.2
85°	29.3	30.4	31.4	31.4	31.4
87.5°	10.5	12.6	14.7	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)