

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: P297867

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297867
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-26L82765-LD5-UNV-14-T1-W2A-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2714.0 lumens
Efficiency: N/A
Efficacy: 111.7 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

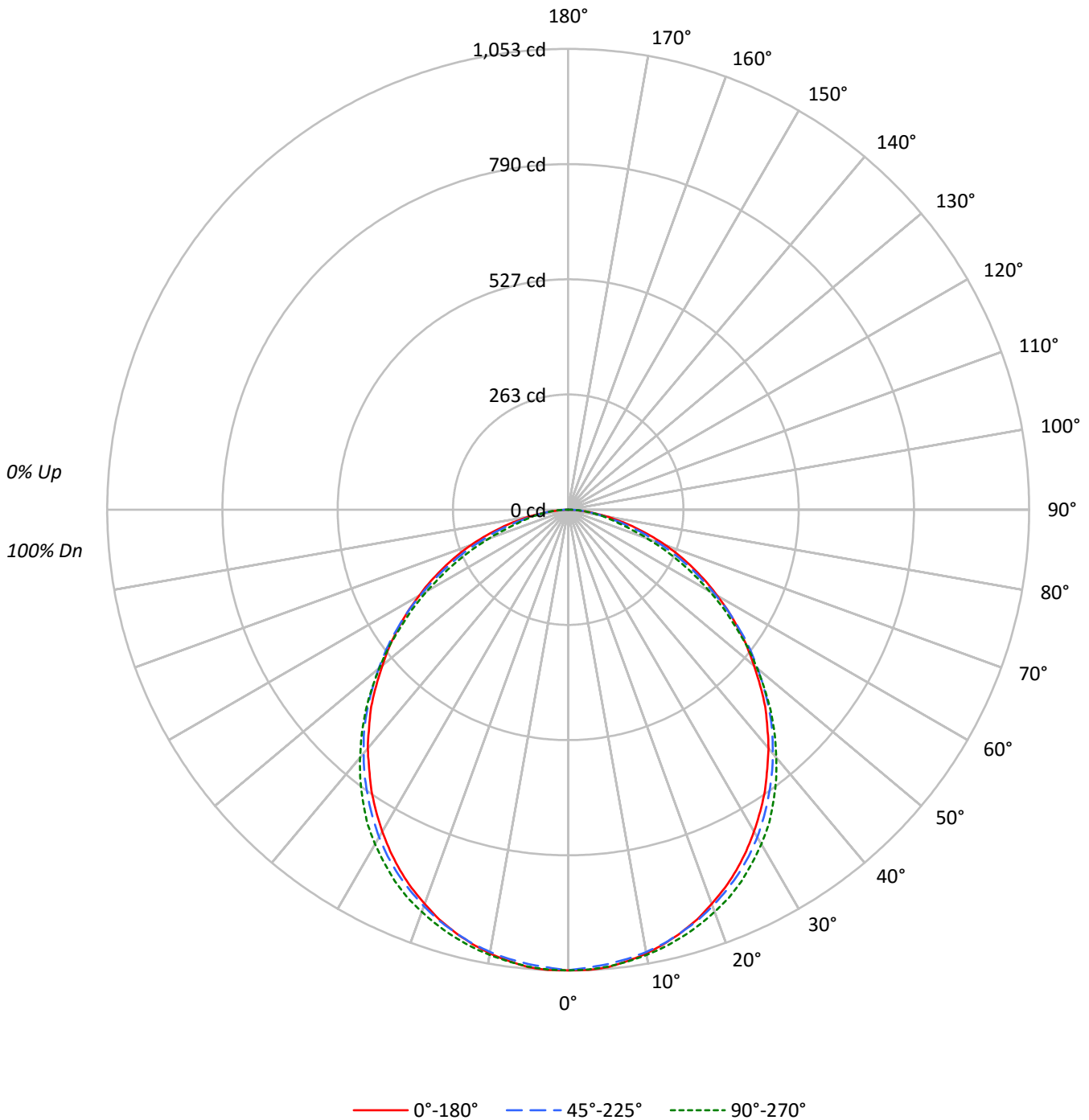
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2833	2833	2833
5°	2834	2816	2831
10°	2814	2804	2823
15°	2785	2785	2814
20°	2744	2761	2800
25°	2699	2729	2781
30°	2638	2685	2742
35°	2574	2623	2683
40°	2501	2554	2598
45°	2421	2474	2496
50°	2317	2365	2355
55°	2229	2245	2186
60°	2118	2087	2006
65°	2000	1919	1787
70°	1855	1702	1511
75°	1651	1460	1243
80°	1373	1195	1159
85°	994	1065	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	3.7
10°-20°	283.0	10.4
20°-30°	424.1	15.6
30°-40°	499.7	18.4
40°-50°	498.4	18.4
50°-60°	423.9	15.6
60°-70°	295.9	10.9
70°-80°	150.4	5.5
80°-90°	39.3	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°	806.5	29.7
0°-40°	1306.1	48.1
0°-60°	2228.5	82.1
0°-90°	2714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1049	1047	1042	1048	1048	99
15°	1000	1000	1000	1009	1010	282
25°	909	910	919	933	936	418
35°	784	785	798	814	817	489
45°	636	638	650	655	656	489
55°	475	475	479	472	466	425
65°	314	310	301	285	281	311
75°	159	153	140	123	120	169
85°	32	33	34	34	34	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.7	1052.7	1052.7	1052.7	1052.7
2.5°	1052.7	1051.5	1046.9	1051.5	1051.5
5°	1049.2	1046.9	1042.3	1048.1	1048.1
7.5°	1040.0	1038.9	1035.4	1041.2	1041.2
10°	1029.7	1028.5	1026.2	1033.1	1033.1
12.5°	1015.9	1015.9	1014.7	1021.6	1022.8
15°	999.7	999.7	999.7	1008.9	1010.1
17.5°	981.3	980.2	983.6	994.0	995.1
20°	958.3	959.5	964.1	975.6	977.9
22.5°	935.3	936.5	942.2	956.0	959.5
25°	908.9	910.0	919.2	933.0	936.5
27.5°	880.1	882.4	892.8	907.7	910.0
30°	849.0	851.3	864.0	878.9	882.4
32.5°	816.8	820.3	831.8	847.9	852.5
35°	783.5	784.6	798.4	814.5	816.8
37.5°	746.6	750.1	763.9	777.7	780.0
40°	712.1	714.4	727.1	738.6	739.7
42.5°	673.0	676.5	690.3	698.3	698.3
45°	636.2	638.5	650.0	654.6	655.8
47.5°	594.8	597.1	607.4	609.7	609.7
50°	553.4	559.1	564.9	564.9	562.6
52.5°	515.4	516.6	523.5	518.9	516.6
55°	475.1	475.1	478.6	471.7	465.9
57.5°	434.9	434.9	434.9	425.7	421.1
60°	393.5	392.3	387.7	376.2	372.7
62.5°	354.3	350.9	344.0	332.5	325.6
65°	314.1	309.5	301.4	285.3	280.7
67.5°	276.1	268.1	258.9	243.9	235.8
70°	235.8	228.9	216.3	199.0	192.1
72.5°	196.7	189.8	179.5	162.2	151.9
75°	158.8	153.0	140.4	123.1	119.6
77.5°	121.9	118.5	105.8	97.8	96.6
80°	88.6	87.4	77.1	74.8	74.8
82.5°	58.7	57.5	54.1	54.1	52.9
85°	32.2	33.4	34.5	34.5	34.5
87.5°	11.5	13.8	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)