

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: P297731

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2647.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

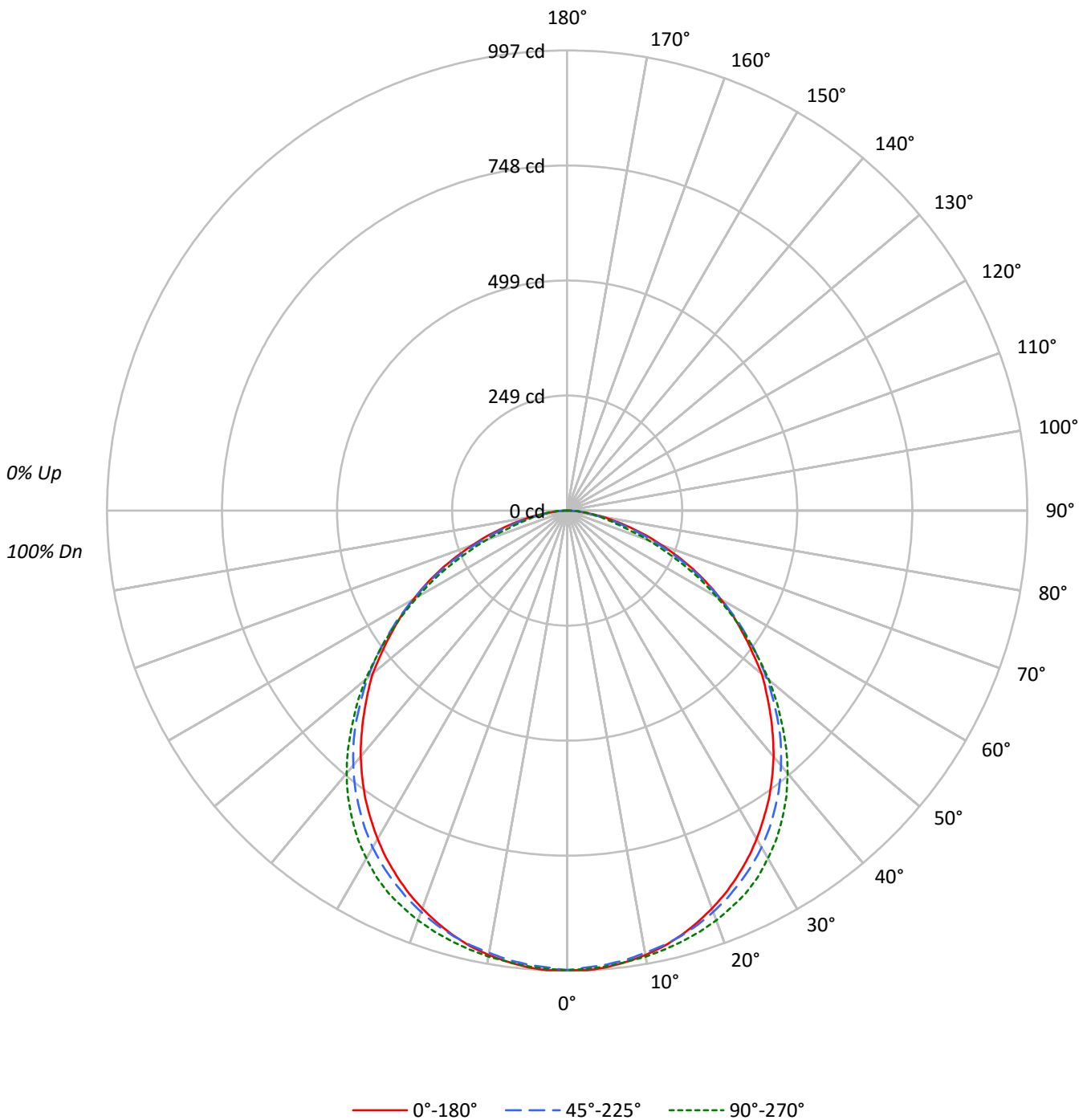
Input Watts (W): 24.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	2679	2679	2679
5°	2683	2667	2676
10°	2672	2659	2681
15°	2655	2658	2691
20°	2627	2651	2705
25°	2594	2636	2717
30°	2553	2619	2703
35°	2504	2582	2671
40°	2445	2532	2611
45°	2369	2460	2509
50°	2304	2364	2388
55°	2188	2232	2221
60°	2070	2070	2013
65°	1922	1876	1771
70°	1704	1629	1471
75°	1476	1341	1132
80°	1210	1046	1027
85°	803	951	1022



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	3.6
10°-20°	270.2	10.2
20°-30°	410.6	15.5
30°-40°	491.6	18.6
40°-50°	495.9	18.7
50°-60°	422.4	16.0
60°-70°	288.8	10.9
70°-80°	138.3	5.2
80°-90°	35.0	1.3
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°	774.9	29.3
0°-40°	1266.6	47.8
0°-60°	2184.8	82.5
0°-90°	2647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	993	992	987	992	991	94
15°	953	950	954	965	966	269
25°	874	875	888	908	915	402
35°	762	765	786	808	813	476
45°	623	627	646	659	659	481
55°	466	469	476	477	474	418
65°	302	296	295	284	278	298
75°	142	140	129	112	109	152
85°	26	28	31	32	33	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	995.5	995.5	995.5	995.5	995.5
2.5°	996.7	995.5	990.8	995.5	994.3
5°	993.1	991.9	987.2	991.9	990.8
7.5°	986.0	984.8	981.3	986.0	986.0
10°	977.7	975.4	973.0	980.1	981.3
12.5°	967.1	964.7	964.7	973.0	974.2
15°	952.9	950.5	954.1	964.7	965.9
17.5°	936.3	935.1	941.0	954.1	956.4
20°	917.4	916.2	925.6	941.0	944.6
22.5°	897.2	897.2	907.9	925.6	930.4
25°	873.6	874.8	887.8	907.9	915.0
27.5°	848.7	851.1	866.5	889.0	894.9
30°	821.5	825.0	842.8	864.1	870.0
32.5°	791.9	795.4	815.6	838.1	844.0
35°	762.3	764.7	786.0	808.5	813.2
37.5°	729.2	732.7	755.2	775.3	780.1
40°	696.0	699.6	720.9	739.8	743.4
42.5°	659.3	664.1	685.4	700.7	703.1
45°	622.6	627.4	646.3	659.3	659.3
47.5°	585.9	588.3	604.9	617.9	616.7
50°	550.4	549.2	564.6	570.5	570.5
52.5°	506.6	510.2	520.8	524.4	520.8
55°	466.4	468.7	475.8	477.0	473.5
57.5°	427.3	426.1	432.0	428.5	423.8
60°	384.7	384.7	384.7	381.1	374.0
62.5°	343.3	340.9	339.7	331.4	327.9
65°	301.8	295.9	294.7	284.1	278.2
67.5°	258.0	255.7	249.8	239.1	228.5
70°	216.6	214.2	207.1	194.1	187.0
72.5°	178.7	176.4	166.9	151.5	142.0
75°	142.0	139.7	129.0	112.5	108.9
77.5°	107.7	106.5	95.9	87.6	86.4
80°	78.1	76.9	67.5	67.5	66.3
82.5°	49.7	49.7	47.3	48.5	49.7
85°	26.0	28.4	30.8	32.0	33.1
87.5°	8.3	13.0	15.4	16.6	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)