

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: P297868

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297868
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-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2751.0 lumens
Efficiency: N/A
Efficacy: 112.7 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

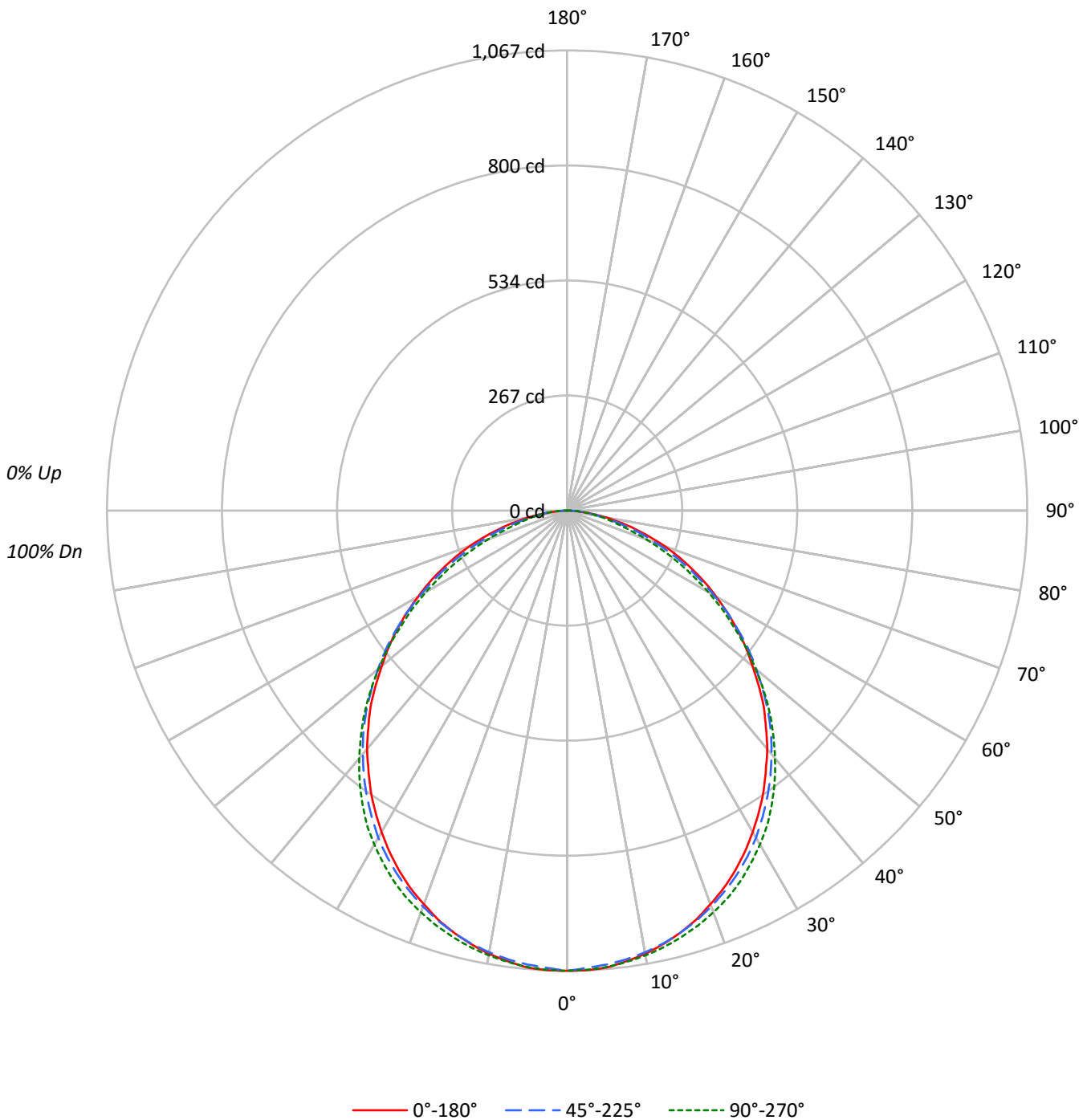
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2871	2871	2871
5°	2873	2854	2870
10°	2852	2842	2861
15°	2823	2823	2852
20°	2782	2798	2838
25°	2735	2766	2818
30°	2674	2721	2779
35°	2609	2659	2720
40°	2536	2589	2634
45°	2454	2508	2530
50°	2348	2397	2387
55°	2259	2276	2216
60°	2146	2115	2033
65°	2027	1945	1812
70°	1881	1725	1532
75°	1673	1480	1261
80°	1392	1210	1175
85°	1010	1081	1081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	3.7
10°-20°	286.8	10.4
20°-30°	429.9	15.6
30°-40°	506.5	18.4
40°-50°	505.2	18.4
50°-60°	429.7	15.6
60°-70°	299.9	10.9
70°-80°	152.4	5.5
80°-90°	39.8	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°	817.4	29.7
0°-40°	1323.9	48.1
0°-60°	2258.8	82.1
0°-90°	2751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1064	1061	1056	1062	1062	101
15°	1013	1013	1013	1023	1024	286
25°	921	922	932	946	949	424
35°	794	795	809	826	828	496
45°	645	647	659	664	665	496
55°	482	482	485	478	472	430
65°	318	314	306	289	284	316
75°	161	155	142	125	121	171
85°	33	34	35	35	35	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1067.0	1067.0	1067.0	1067.0	1067.0
2.5°	1067.0	1065.9	1061.2	1065.9	1065.9
5°	1063.5	1061.2	1056.5	1062.4	1062.4
7.5°	1054.2	1053.0	1049.5	1055.4	1055.4
10°	1043.7	1042.5	1040.2	1047.2	1047.2
12.5°	1029.7	1029.7	1028.5	1035.5	1036.7
15°	1013.4	1013.4	1013.4	1022.7	1023.9
17.5°	994.7	993.6	997.0	1007.5	1008.7
20°	971.4	972.6	977.2	988.9	991.2
22.5°	948.1	949.2	955.1	969.1	972.6
25°	921.3	922.4	931.7	945.7	949.2
27.5°	892.1	894.4	904.9	920.1	922.4
30°	860.6	862.9	875.8	890.9	894.4
32.5°	828.0	831.5	843.1	859.4	864.1
35°	794.1	795.3	809.3	825.6	828.0
37.5°	756.8	760.3	774.3	788.3	790.6
40°	721.8	724.2	737.0	748.7	749.8
42.5°	682.2	685.7	699.7	707.8	707.8
45°	644.9	647.2	658.9	663.5	664.7
47.5°	602.9	605.2	615.7	618.1	618.1
50°	560.9	566.7	572.6	572.6	570.2
52.5°	522.4	523.6	530.6	525.9	523.6
55°	481.6	481.6	485.1	478.1	472.3
57.5°	440.8	440.8	440.8	431.5	426.8
60°	398.8	397.7	393.0	381.3	377.8
62.5°	359.2	355.7	348.7	337.0	330.0
65°	318.4	313.7	305.5	289.2	284.5
67.5°	279.9	271.7	262.4	247.2	239.1
70°	239.1	232.1	219.2	201.7	194.7
72.5°	199.4	192.4	181.9	164.4	153.9
75°	160.9	155.1	142.3	124.8	121.3
77.5°	123.6	120.1	107.3	99.1	98.0
80°	89.8	88.6	78.1	75.8	75.8
82.5°	59.5	58.3	54.8	54.8	53.6
85°	32.7	33.8	35.0	35.0	35.0
87.5°	11.7	14.0	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)