

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: P297869

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297869
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-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2778.0 lumens
Efficiency: N/A
Efficacy: 113.4 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

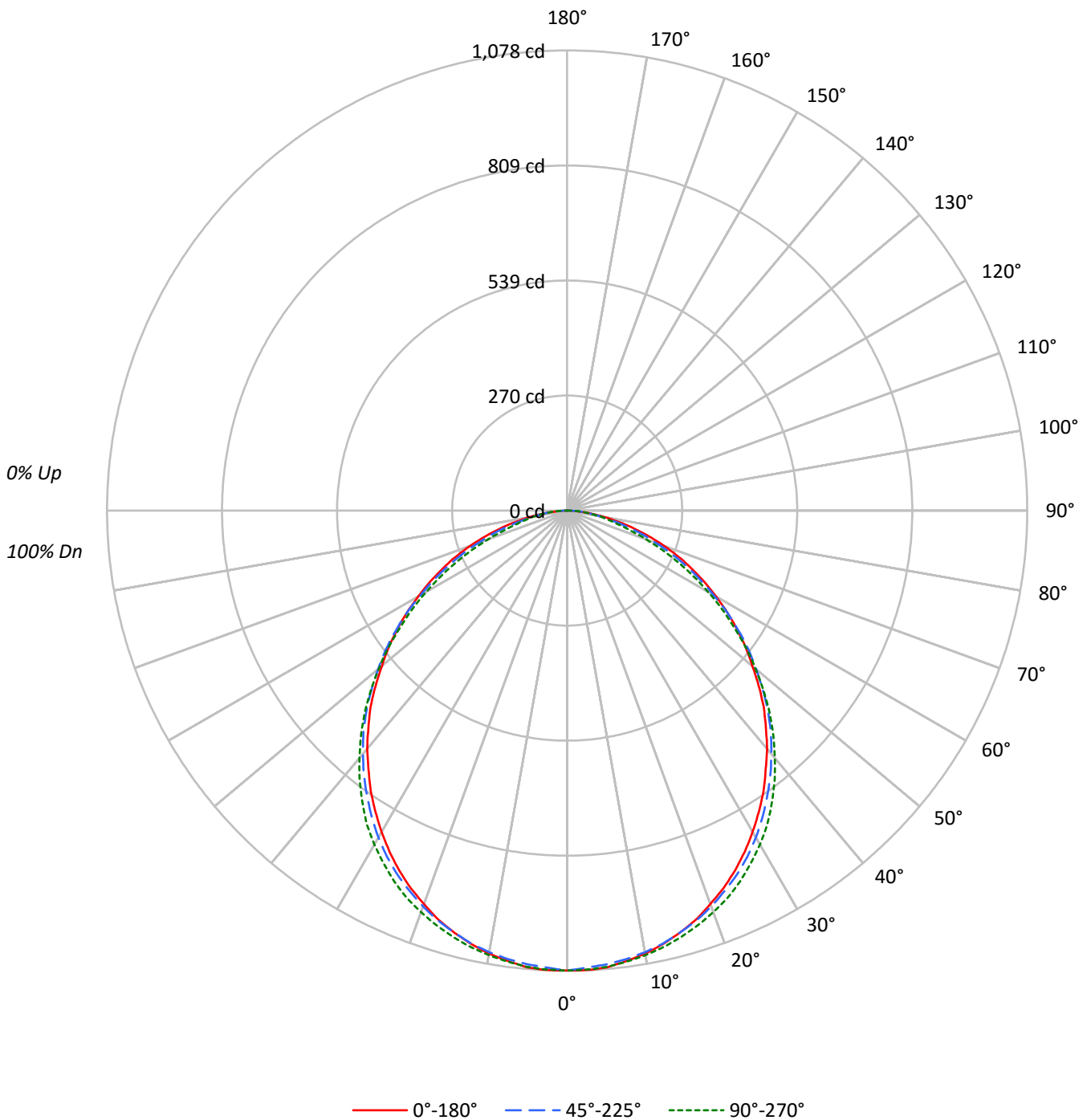
Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	31	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°	2900	2900	2900
5°	2901	2882	2898
10°	2880	2870	2890
15°	2851	2851	2880
20°	2809	2826	2866
25°	2762	2794	2846
30°	2701	2748	2806
35°	2634	2685	2747
40°	2560	2614	2660
45°	2478	2532	2554
50°	2371	2421	2411
55°	2282	2298	2237
60°	2167	2136	2053
65°	2047	1964	1829
70°	1899	1742	1548
75°	1690	1494	1274
80°	1406	1223	1185
85°	1019	1090	1090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	3.7
10°-20°	289.7	10.4
20°-30°	434.1	15.6
30°-40°	511.5	18.4
40°-50°	510.1	18.4
50°-60°	433.9	15.6
60°-70°	302.8	10.9
70°-80°	153.9	5.5
80°-90°	40.2	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°	825.5	29.7
0°-40°	1336.9	48.1
0°-60°	2281.0	82.1
0°-90°	2778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1078	1078	1078	1078	1078	
5°	1074	1072	1067	1073	1073	102
15°	1023	1023	1023	1033	1034	288
25°	930	932	941	955	959	428
35°	802	803	817	834	836	501
45°	651	654	665	670	671	501
55°	486	486	490	483	477	435
65°	322	317	308	292	287	319
75°	162	157	144	126	122	173
85°	33	34	35	35	35	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1077.5	1077.5	1077.5	1077.5	1077.5
2.5°	1077.5	1076.3	1071.6	1076.3	1076.3
5°	1074.0	1071.6	1066.9	1072.8	1072.8
7.5°	1064.5	1063.4	1059.8	1065.7	1065.7
10°	1053.9	1052.8	1050.4	1057.5	1057.5
12.5°	1039.8	1039.8	1038.6	1045.7	1046.9
15°	1023.3	1023.3	1023.3	1032.7	1033.9
17.5°	1004.5	1003.3	1006.8	1017.4	1018.6
20°	980.9	982.1	986.8	998.6	1000.9
22.5°	957.4	958.6	964.4	978.6	982.1
25°	930.3	931.5	940.9	955.0	958.6
27.5°	900.9	903.2	913.8	929.1	931.5
30°	869.1	871.4	884.4	899.7	903.2
32.5°	836.1	839.6	851.4	867.9	872.6
35°	801.9	803.1	817.2	833.7	836.1
37.5°	764.3	767.8	781.9	796.0	798.4
40°	728.9	731.3	744.2	756.0	757.2
42.5°	688.9	692.4	706.6	714.8	714.8
45°	651.2	653.6	665.3	670.0	671.2
47.5°	608.8	611.2	621.8	624.1	624.1
50°	566.4	572.3	578.2	578.2	575.8
52.5°	527.6	528.7	535.8	531.1	528.7
55°	486.3	486.3	489.9	482.8	476.9
57.5°	445.1	445.1	445.1	435.7	431.0
60°	402.7	401.6	396.8	385.1	381.5
62.5°	362.7	359.2	352.1	340.3	333.3
65°	321.5	316.8	308.5	292.0	287.3
67.5°	282.6	274.4	265.0	249.6	241.4
70°	241.4	234.3	221.4	203.7	196.7
72.5°	201.4	194.3	183.7	166.0	155.4
75°	162.5	156.6	143.7	126.0	122.5
77.5°	124.8	121.3	108.3	100.1	98.9
80°	90.7	89.5	78.9	76.5	76.5
82.5°	60.1	58.9	55.3	55.3	54.2
85°	33.0	34.1	35.3	35.3	35.3
87.5°	11.8	14.1	16.5	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)