

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: P297905

Luminaire Tested: **D3X-WO-26L93050-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297905
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-26L93050-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2271.0 lumens
Efficiency: N/A
Efficacy: 93.5 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

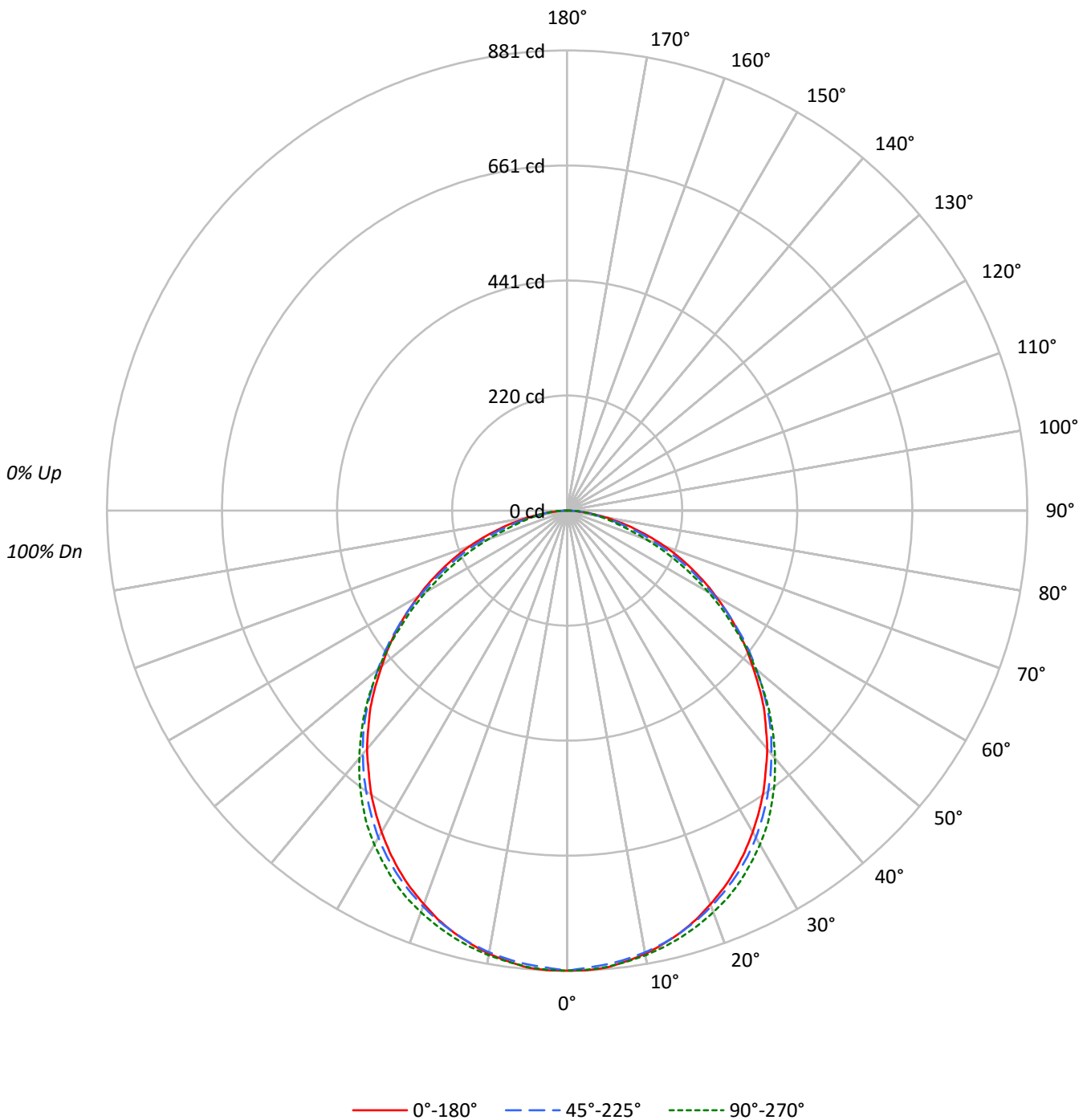
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2370	2370	2370
5°	2372	2356	2369
10°	2354	2346	2362
15°	2331	2331	2355
20°	2296	2310	2343
25°	2258	2284	2327
30°	2207	2247	2294
35°	2154	2195	2245
40°	2093	2137	2174
45°	2026	2070	2088
50°	1938	1979	1971
55°	1865	1879	1829
60°	1772	1746	1679
65°	1673	1606	1496
70°	1552	1424	1265
75°	1381	1221	1041
80°	1148	1000	970
85°	834	892	892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	3.7
10°-20°	236.8	10.4
20°-30°	354.9	15.6
30°-40°	418.1	18.4
40°-50°	417.0	18.4
50°-60°	354.7	15.6
60°-70°	247.6	10.9
70°-80°	125.8	5.5
80°-90°	32.9	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°	674.8	29.7
0°-40°	1093.0	48.1
0°-60°	1864.7	82.1
0°-90°	2271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	878	876	872	877	877	83
15°	837	837	837	844	845	236
25°	760	762	769	781	784	350
35°	656	656	668	682	684	410
45°	532	534	544	548	549	410
55°	398	398	400	395	390	355
65°	263	259	252	239	235	261
75°	133	128	117	103	100	141
85°	27	28	29	29	29	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.8	880.8	880.8	880.8	880.8
2.5°	880.8	879.9	876.0	879.9	879.9
5°	878.0	876.0	872.2	877.0	877.0
7.5°	870.3	869.3	866.4	871.2	871.2
10°	861.6	860.6	858.7	864.5	864.5
12.5°	850.0	850.0	849.1	854.9	855.8
15°	836.6	836.6	836.6	844.3	845.2
17.5°	821.2	820.2	823.1	831.7	832.7
20°	801.9	802.9	806.7	816.3	818.3
22.5°	782.6	783.6	788.4	800.0	802.9
25°	760.5	761.5	769.2	780.7	783.6
27.5°	736.4	738.4	747.0	759.5	761.5
30°	710.4	712.4	723.0	735.5	738.4
32.5°	683.5	686.4	696.0	709.5	713.3
35°	655.6	656.5	668.1	681.6	683.5
37.5°	624.8	627.7	639.2	650.8	652.7
40°	595.9	597.8	608.4	618.0	619.0
42.5°	563.2	566.0	577.6	584.3	584.3
45°	532.4	534.3	543.9	547.8	548.7
47.5°	497.7	499.6	508.3	510.2	510.2
50°	463.0	467.9	472.7	472.7	470.7
52.5°	431.3	432.2	438.0	434.2	432.2
55°	397.6	397.6	400.5	394.7	389.9
57.5°	363.9	363.9	363.9	356.2	352.3
60°	329.2	328.3	324.4	314.8	311.9
62.5°	296.5	293.6	287.8	278.2	272.4
65°	262.8	259.0	252.2	238.7	234.9
67.5°	231.0	224.3	216.6	204.1	197.3
70°	197.3	191.6	181.0	166.5	160.8
72.5°	164.6	158.8	150.2	135.7	127.1
75°	132.8	128.0	117.4	103.0	100.1
77.5°	102.0	99.2	88.6	81.8	80.9
80°	74.1	73.2	64.5	62.6	62.6
82.5°	49.1	48.1	45.2	45.2	44.3
85°	27.0	27.9	28.9	28.9	28.9
87.5°	9.6	11.6	13.5	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)