

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: P297925

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297925
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-23L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1929.0 lumens
Efficiency: N/A
Efficacy: 94.1 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

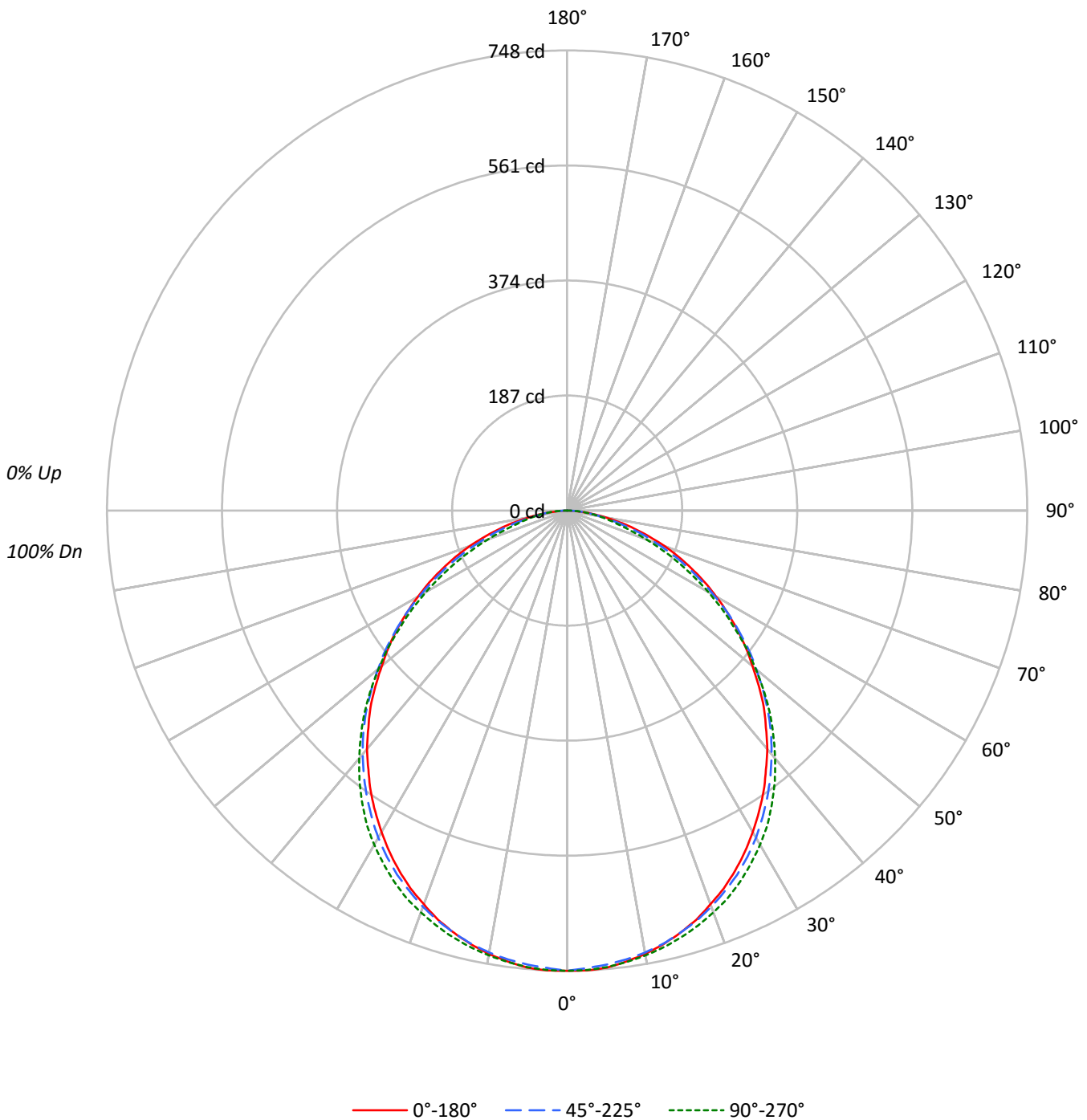
Input Watts (W): 20.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2013	2013	2013
5°	2014	2001	2012
10°	2000	1993	2006
15°	1980	1980	2000
20°	1950	1962	1990
25°	1918	1940	1976
30°	1875	1908	1949
35°	1829	1864	1907
40°	1778	1815	1847
45°	1721	1758	1774
50°	1647	1681	1674
55°	1584	1596	1554
60°	1505	1483	1426
65°	1421	1364	1270
70°	1319	1209	1075
75°	1173	1038	884
80°	976	849	824
85°	707	756	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.7
10°-20°	201.1	10.4
20°-30°	301.5	15.6
30°-40°	355.2	18.4
40°-50°	354.2	18.4
50°-60°	301.3	15.6
60°-70°	210.3	10.9
70°-80°	106.9	5.5
80°-90°	27.9	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°	573.2	29.7
0°-40°	928.4	48.1
0°-60°	1583.9	82.1
0°-90°	1929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	746	744	741	745	745	71
15°	711	711	711	717	718	200
25°	646	647	653	663	666	297
35°	557	558	568	579	581	348
45°	452	454	462	465	466	348
55°	338	338	340	335	331	302
65°	223	220	214	203	200	221
75°	113	109	100	88	85	120
85°	23	24	24	24	24	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.2	748.2	748.2	748.2	748.2
2.5°	748.2	747.4	744.1	747.4	747.4
5°	745.7	744.1	740.8	744.9	744.9
7.5°	739.2	738.4	735.9	740.0	740.0
10°	731.8	731.0	729.4	734.3	734.3
12.5°	722.0	722.0	721.2	726.1	726.9
15°	710.6	710.6	710.6	717.1	717.9
17.5°	697.5	696.7	699.1	706.5	707.3
20°	681.1	682.0	685.2	693.4	695.0
22.5°	664.8	665.6	669.7	679.5	682.0
25°	646.0	646.8	653.3	663.2	665.6
27.5°	625.5	627.2	634.5	645.2	646.8
30°	603.5	605.1	614.1	624.7	627.2
32.5°	580.6	583.0	591.2	602.6	605.9
35°	556.9	557.7	567.5	578.9	580.6
37.5°	530.7	533.1	543.0	552.8	554.4
40°	506.2	507.8	516.8	525.0	525.8
42.5°	478.4	480.8	490.6	496.3	496.3
45°	452.2	453.8	462.0	465.3	466.1
47.5°	422.7	424.4	431.7	433.4	433.4
50°	393.3	397.4	401.5	401.5	399.9
52.5°	366.3	367.1	372.1	368.8	367.1
55°	337.7	337.7	340.2	335.3	331.2
57.5°	309.1	309.1	309.1	302.5	299.3
60°	279.7	278.8	275.6	267.4	264.9
62.5°	251.9	249.4	244.5	236.3	231.4
65°	223.2	220.0	214.2	202.8	199.5
67.5°	196.2	190.5	184.0	173.4	167.6
70°	167.6	162.7	153.7	141.5	136.6
72.5°	139.8	134.9	127.6	115.3	107.9
75°	112.8	108.8	99.8	87.5	85.0
77.5°	86.7	84.2	75.2	69.5	68.7
80°	63.0	62.1	54.8	53.2	53.2
82.5°	41.7	40.9	38.4	38.4	37.6
85°	22.9	23.7	24.5	24.5	24.5
87.5°	8.2	9.8	11.4	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)