

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: P297932

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297932
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-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2246.0 lumens
Efficiency: N/A
Efficacy: 104.0 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

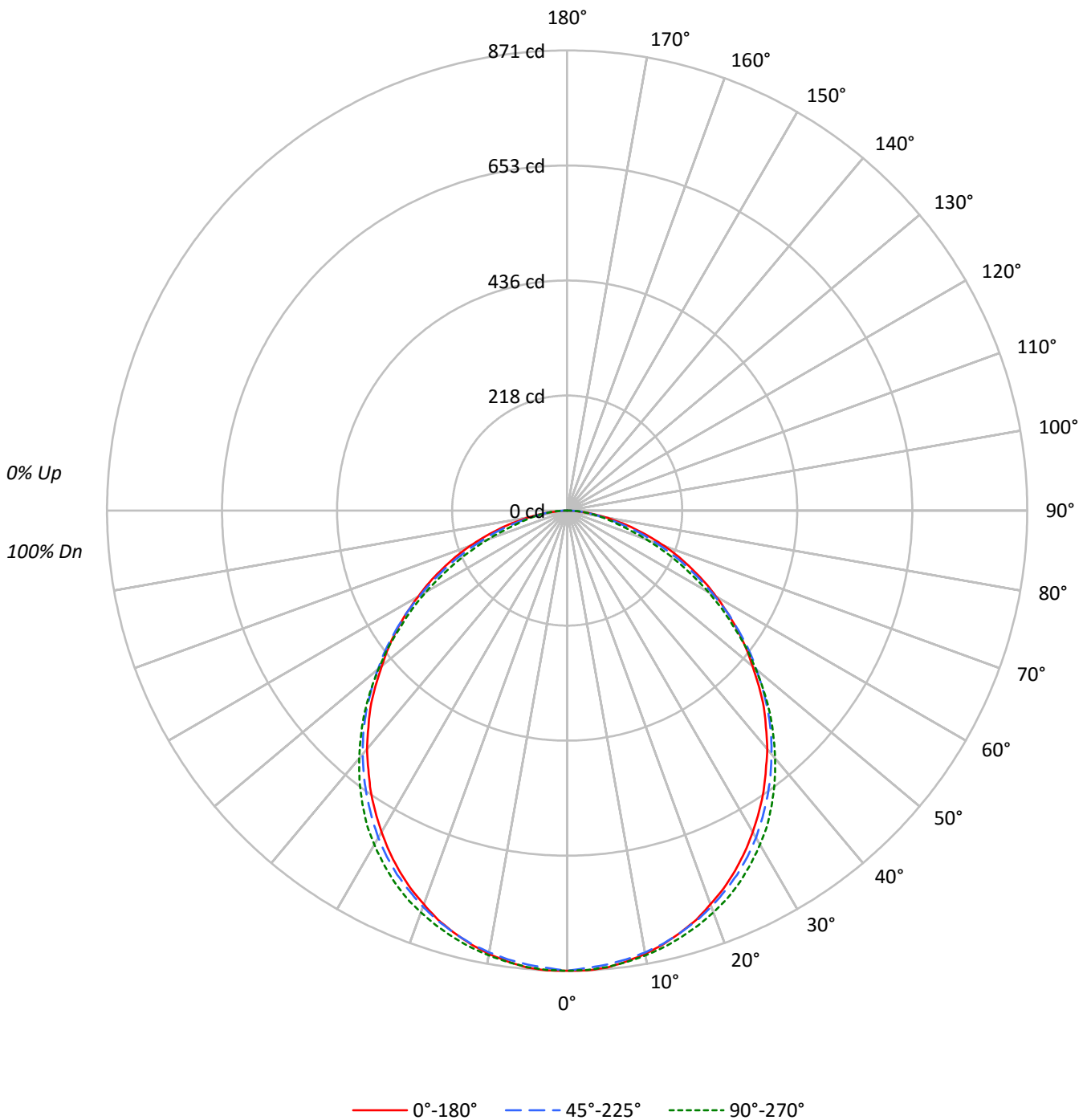
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2344	2344	2344
5°	2346	2330	2343
10°	2328	2320	2336
15°	2305	2305	2329
20°	2271	2285	2318
25°	2233	2259	2301
30°	2183	2222	2269
35°	2130	2170	2221
40°	2070	2114	2151
45°	2004	2047	2065
50°	1917	1957	1949
55°	1845	1858	1809
60°	1752	1727	1660
65°	1655	1588	1479
70°	1536	1408	1251
75°	1366	1208	1029
80°	1136	989	959
85°	824	883	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	3.7
10°-20°	234.2	10.4
20°-30°	351.0	15.6
30°-40°	413.5	18.4
40°-50°	412.4	18.4
50°-60°	350.8	15.6
60°-70°	244.8	10.9
70°-80°	124.5	5.5
80°-90°	32.5	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°	667.4	29.7
0°-40°	1080.9	48.1
0°-60°	1844.2	82.1
0°-90°	2246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2246.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	868	866	863	867	867	82
15°	827	827	827	835	836	233
25°	752	753	761	772	775	346
35°	648	649	661	674	676	405
45°	526	528	538	542	543	405
55°	393	393	396	390	386	351
65°	260	256	249	236	232	258
75°	131	127	116	102	99	140
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°	871.1	871.1	871.1	871.1	871.1
2.5°	871.1	870.2	866.4	870.2	870.2
5°	868.3	866.4	862.6	867.3	867.3
7.5°	860.7	859.7	856.9	861.6	861.6
10°	852.1	851.2	849.2	855.0	855.0
12.5°	840.7	840.7	839.7	845.4	846.4
15°	827.4	827.4	827.4	835.0	835.9
17.5°	812.1	811.2	814.0	822.6	823.5
20°	793.1	794.0	797.8	807.4	809.3
22.5°	774.0	775.0	779.7	791.2	794.0
25°	752.1	753.1	760.7	772.1	775.0
27.5°	728.3	730.2	738.8	751.2	753.1
30°	702.6	704.5	715.0	727.4	730.2
32.5°	676.0	678.8	688.3	701.7	705.5
35°	648.4	649.3	660.7	674.1	676.0
37.5°	617.9	620.8	632.2	643.6	645.5
40°	589.3	591.2	601.7	611.2	612.2
42.5°	557.0	559.8	571.2	577.9	577.9
45°	526.5	528.4	537.9	541.7	542.7
47.5°	492.2	494.1	502.7	504.6	504.6
50°	457.9	462.7	467.5	467.5	465.6
52.5°	426.5	427.5	433.2	429.4	427.5
55°	393.2	393.2	396.1	390.3	385.6
57.5°	359.9	359.9	359.9	352.3	348.5
60°	325.6	324.7	320.8	311.3	308.5
62.5°	293.2	290.4	284.7	275.1	269.4
65°	259.9	256.1	249.4	236.1	232.3
67.5°	228.5	221.8	214.2	201.8	195.2
70°	195.2	189.5	179.0	164.7	159.0
72.5°	162.8	157.1	148.5	134.2	125.7
75°	131.4	126.6	116.2	101.9	99.0
77.5°	100.9	98.1	87.6	80.9	80.0
80°	73.3	72.4	63.8	61.9	61.9
82.5°	48.6	47.6	44.7	44.7	43.8
85°	26.7	27.6	28.6	28.6	28.6
87.5°	9.5	11.4	13.3	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)