

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: P297482

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-42L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3895.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

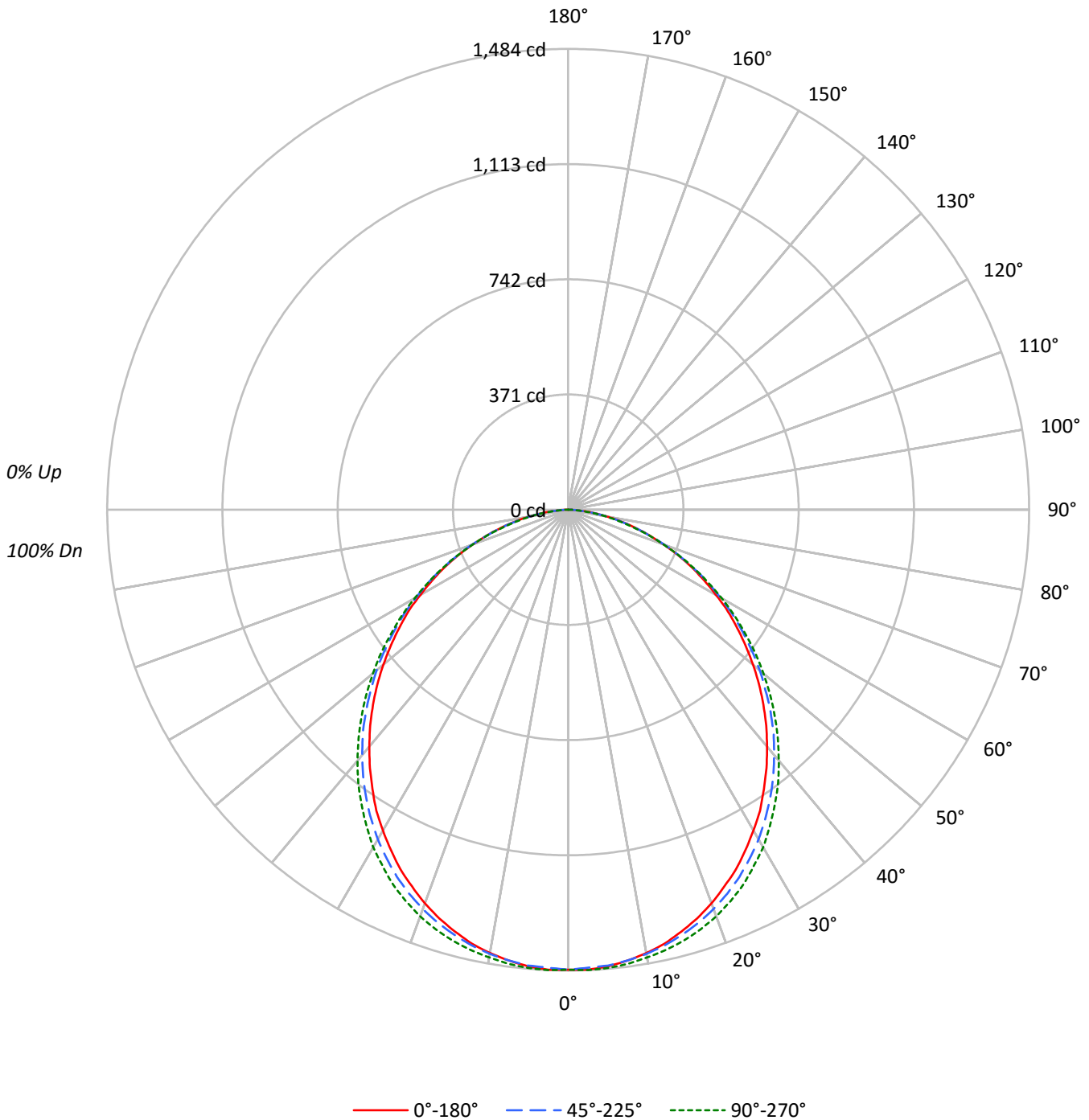
Input Watts (W): 29.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1993	1993	1993
5°	1994	1990	2001
10°	1981	1984	2001
15°	1959	1974	2001
20°	1931	1959	1995
25°	1897	1936	1979
30°	1853	1904	1951
35°	1804	1862	1905
40°	1749	1811	1853
45°	1690	1753	1790
50°	1626	1686	1717
55°	1557	1607	1631
60°	1480	1518	1536
65°	1395	1416	1424
70°	1280	1295	1280
75°	1153	1146	1112
80°	976	965	935
85°	729	709	628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	3.6
10°-20°	400.7	10.3
20°-30°	600.7	15.4
30°-40°	707.4	18.2
40°-50°	707.6	18.2
50°-60°	610.5	15.7
60°-70°	439.3	11.3
70°-80°	233.0	6.0
80°-90°	55.6	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°	1141.6	29.3
0°-40°	1849.1	47.5
0°-60°	3167.1	81.3
0°-90°	3895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1481	1481	1481	1481	1481	
5°	1476	1475	1474	1479	1481	140
15°	1407	1410	1417	1432	1437	397
25°	1278	1286	1304	1326	1333	588
35°	1098	1111	1134	1153	1160	687
45°	888	900	921	937	941	685
55°	664	670	685	697	695	594
65°	438	440	445	447	447	433
75°	222	219	220	215	214	236
85°	47	47	46	42	41	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1481.3	1481.3	1481.3	1481.3	1481.3
2.5°	1482.7	1480.0	1476.1	1481.3	1484.0
5°	1476.1	1474.8	1473.5	1478.7	1481.3
7.5°	1464.3	1465.6	1464.3	1472.2	1474.8
10°	1449.9	1451.2	1452.5	1461.7	1464.3
12.5°	1431.5	1432.8	1436.7	1448.5	1452.5
15°	1406.6	1410.5	1417.0	1431.5	1436.7
17.5°	1380.3	1385.6	1394.7	1411.8	1417.0
20°	1348.8	1355.4	1368.5	1386.9	1393.4
22.5°	1313.4	1320.0	1338.3	1358.0	1364.6
25°	1278.0	1285.8	1304.2	1326.5	1333.1
27.5°	1236.0	1246.5	1266.2	1288.5	1293.7
30°	1192.7	1201.9	1225.5	1246.5	1255.7
32.5°	1149.4	1158.6	1180.9	1201.9	1208.4
35°	1098.2	1111.3	1133.6	1153.3	1159.9
37.5°	1048.4	1060.2	1083.8	1103.5	1110.0
40°	995.9	1006.4	1031.3	1049.7	1054.9
42.5°	943.4	953.9	978.8	993.2	998.5
45°	888.3	900.1	921.1	936.8	940.8
47.5°	833.2	842.4	862.0	876.5	881.7
50°	776.8	785.9	805.6	817.4	820.1
52.5°	720.3	726.9	745.3	755.8	759.7
55°	663.9	670.5	684.9	696.7	695.4
57.5°	610.1	612.7	627.2	635.0	635.0
60°	549.8	552.4	564.2	569.4	570.8
62.5°	493.3	497.3	506.5	507.8	507.8
65°	438.2	439.5	444.8	447.4	447.4
67.5°	383.1	381.8	387.1	387.1	385.8
70°	325.4	328.0	329.3	326.7	325.4
72.5°	272.9	271.6	271.6	270.3	270.3
75°	221.7	219.1	220.4	215.2	213.9
77.5°	174.5	170.6	169.3	166.6	164.0
80°	126.0	126.0	124.6	122.0	120.7
82.5°	84.0	84.0	82.7	80.0	77.4
85°	47.2	47.2	45.9	42.0	40.7
87.5°	15.7	15.7	15.7	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)