

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: P297495

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297495
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-50L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3911.0 lumens
Efficiency: N/A
Efficacy: 112.1 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

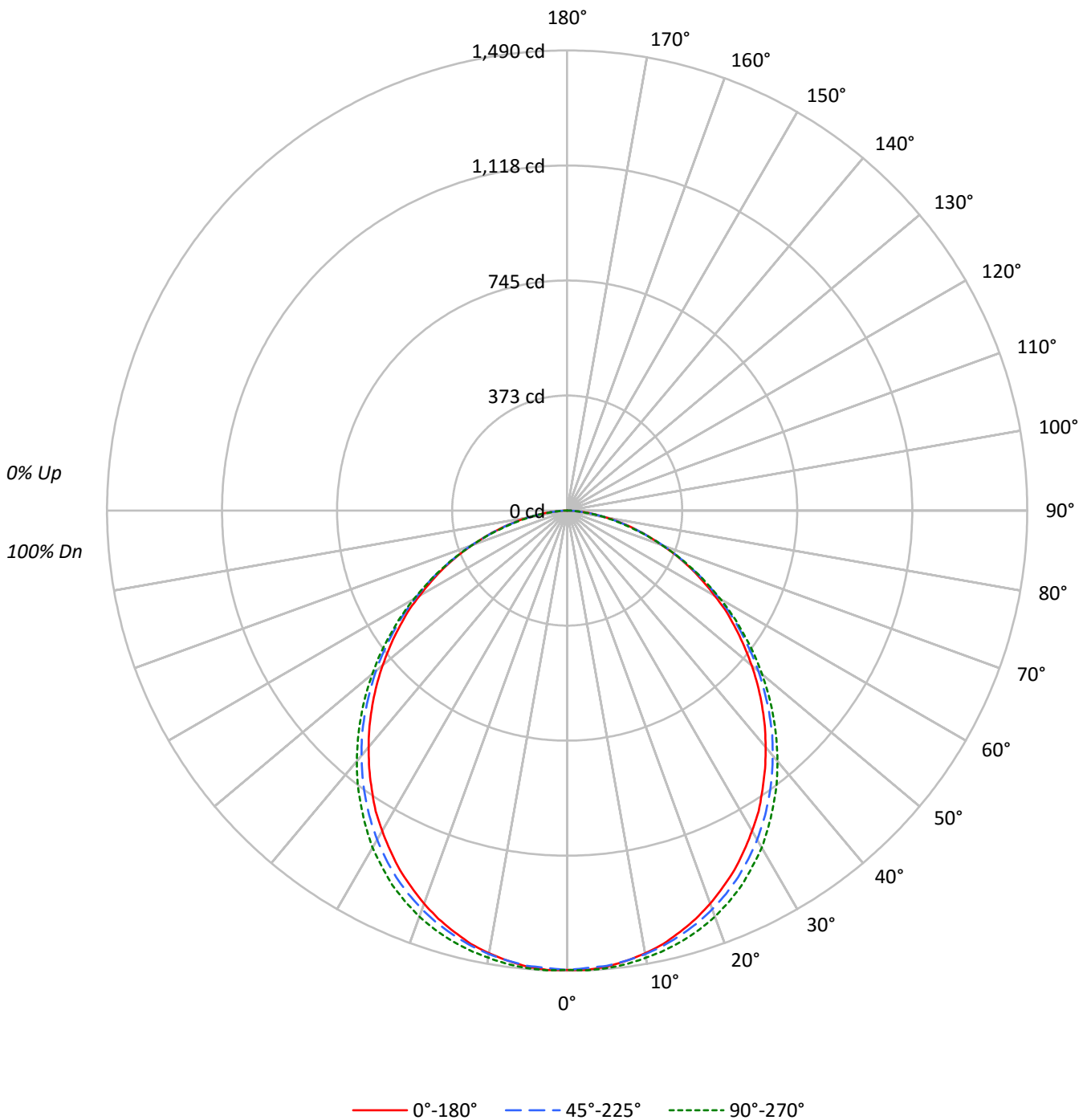
Input Watts (W): 34.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2001	2001	2001
5°	2002	1998	2009
10°	1989	1993	2009
15°	1967	1982	2009
20°	1939	1967	2003
25°	1905	1944	1987
30°	1861	1912	1959
35°	1811	1870	1913
40°	1756	1819	1860
45°	1697	1760	1797
50°	1632	1693	1724
55°	1564	1613	1638
60°	1485	1524	1542
65°	1401	1422	1430
70°	1285	1301	1285
75°	1158	1150	1116
80°	980	970	939
85°	732	712	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.6
10°-20°	402.3	10.3
20°-30°	603.2	15.4
30°-40°	710.3	18.2
40°-50°	710.5	18.2
50°-60°	613.0	15.7
60°-70°	441.1	11.3
70°-80°	234.0	6.0
80°-90°	55.8	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°	1146.3	29.3
0°-40°	1856.7	47.5
0°-60°	3180.1	81.3
0°-90°	3911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1487	1487	1487	1487	1487	
5°	1482	1481	1480	1485	1487	141
15°	1412	1416	1423	1437	1443	398
25°	1283	1291	1310	1332	1339	590
35°	1103	1116	1138	1158	1165	690
45°	892	904	925	941	945	688
55°	667	673	688	700	698	597
65°	440	441	447	449	449	435
75°	223	220	221	216	215	237
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°	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1488.7	1486.1	1482.2	1487.4	1490.1
5°	1482.2	1480.8	1479.5	1484.8	1487.4
7.5°	1470.3	1471.6	1470.3	1478.2	1480.8
10°	1455.8	1457.1	1458.4	1467.7	1470.3
12.5°	1437.4	1438.7	1442.6	1454.5	1458.4
15°	1412.3	1416.3	1422.9	1437.4	1442.6
17.5°	1386.0	1391.3	1400.5	1417.6	1422.9
20°	1354.4	1360.9	1374.1	1392.6	1399.2
22.5°	1318.8	1325.4	1343.8	1363.6	1370.2
25°	1283.2	1291.1	1309.6	1332.0	1338.6
27.5°	1241.1	1251.6	1271.4	1293.8	1299.0
30°	1197.6	1206.8	1230.5	1251.6	1260.8
32.5°	1154.1	1163.3	1185.7	1206.8	1213.4
35°	1102.7	1115.9	1138.3	1158.1	1164.6
37.5°	1052.7	1064.5	1088.2	1108.0	1114.6
40°	1000.0	1010.5	1035.5	1054.0	1059.2
42.5°	947.3	957.8	982.8	997.3	1002.6
45°	891.9	903.8	924.9	940.7	944.6
47.5°	836.6	845.8	865.6	880.1	885.3
50°	779.9	789.2	808.9	820.8	823.4
52.5°	723.3	729.9	748.3	758.9	762.8
55°	666.6	673.2	687.7	699.6	698.3
57.5°	612.6	615.3	629.8	637.7	637.7
60°	552.0	554.7	566.5	571.8	573.1
62.5°	495.4	499.3	508.5	509.9	509.9
65°	440.0	441.4	446.6	449.3	449.3
67.5°	384.7	383.4	388.7	388.7	387.3
70°	326.7	329.4	330.7	328.1	326.7
72.5°	274.0	272.7	272.7	271.4	271.4
75°	222.7	220.0	221.3	216.1	214.7
77.5°	175.2	171.3	170.0	167.3	164.7
80°	126.5	126.5	125.2	122.5	121.2
82.5°	84.3	84.3	83.0	80.4	77.7
85°	47.4	47.4	46.1	42.2	40.8
87.5°	15.8	15.8	15.8	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)