

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: P296803

Luminaire Tested: **D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4897.0 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

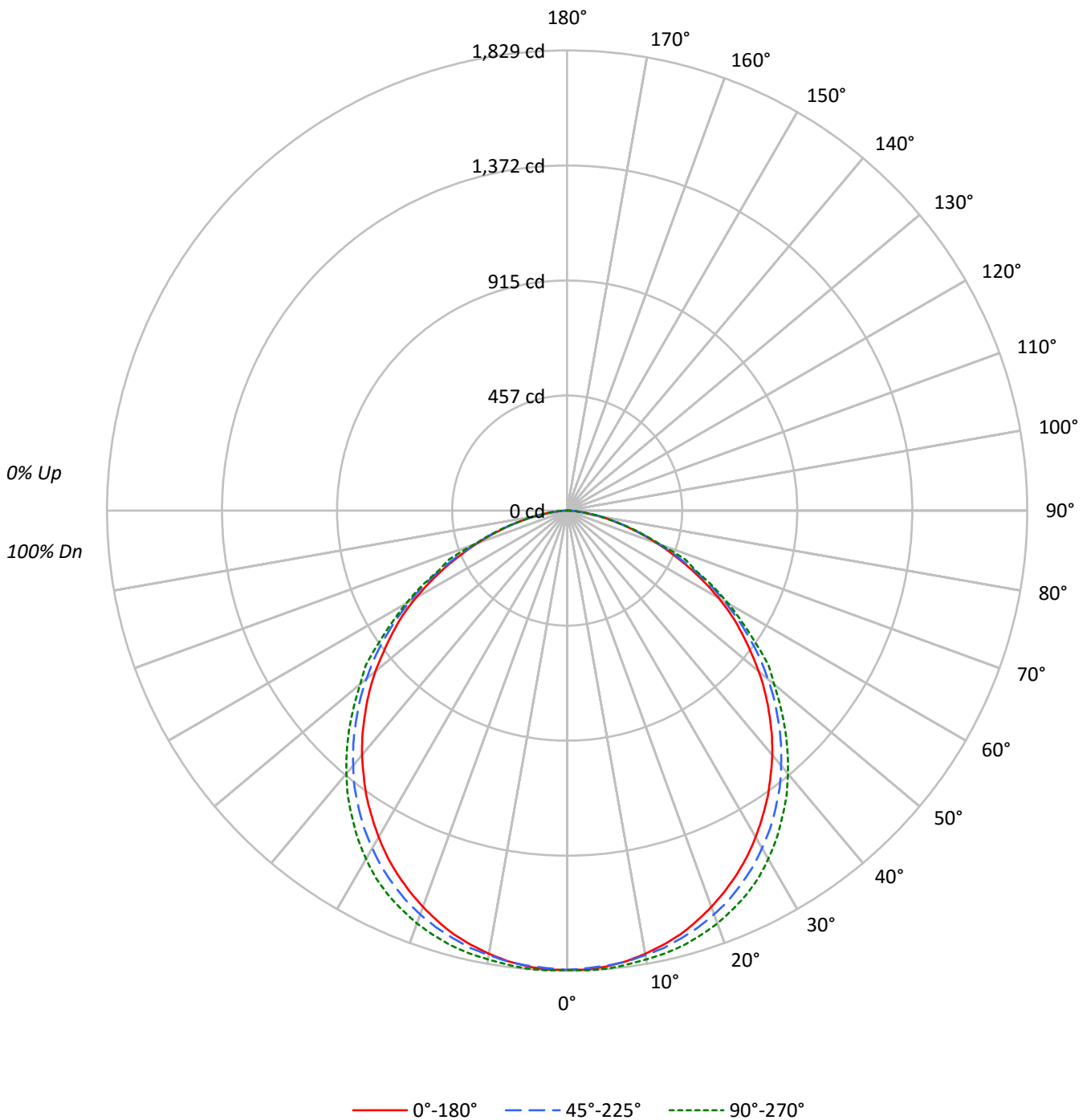
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296803

CATALOG NUMBER: D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P296803

CATALOG NUMBER: D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K

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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2456	2456	2456
5°	2456	2451	2468
10°	2444	2451	2475
15°	2428	2450	2492
20°	2400	2445	2501
25°	2369	2431	2502
30°	2329	2408	2484
35°	2283	2372	2447
40°	2228	2324	2398
45°	2160	2260	2330
50°	2082	2181	2247
55°	1987	2077	2139
60°	1872	1943	1991
65°	1700	1756	1790
70°	1493	1528	1548
75°	1261	1279	1288
80°	1007	1021	994
85°	678	706	678



TEST NUMBER: P296803

CATALOG NUMBER: D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	3.5
10°-20°	497.5	10.2
20°-30°	754.9	15.4
30°-40°	901.2	18.4
40°-50°	912.4	18.6
50°-60°	788.7	16.1
60°-70°	546.6	11.2
70°-80°	264.5	5.4
80°-90°	58.1	1.2
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°	1425.4	29.1
0°-40°	2326.7	47.5
0°-60°	4027.7	82.2
0°-90°	4897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1818	1817	1815	1824	1827	173
15°	1743	1746	1759	1780	1789	491
25°	1595	1606	1638	1671	1685	735
35°	1390	1402	1444	1481	1490	868
45°	1135	1151	1188	1218	1225	875
55°	847	856	886	922	912	757
65°	534	539	552	560	562	529
75°	242	244	246	244	248	260
85°	44	47	46	44	44	57
90°	0	0	0	0	0	



TEST NUMBER: P296803

CATALOG NUMBER: D3X-WD-50L82765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1825.6	1825.6	1825.6	1825.6	1825.6
2.5°	1825.6	1823.8	1820.3	1825.6	1829.1
5°	1818.5	1816.8	1815.0	1823.8	1827.3
7.5°	1806.2	1806.2	1808.0	1816.8	1820.3
10°	1788.7	1790.4	1793.9	1808.0	1811.5
12.5°	1767.6	1771.1	1779.9	1795.7	1802.7
15°	1743.0	1746.5	1758.8	1779.9	1788.7
17.5°	1711.4	1718.4	1736.0	1760.6	1769.3
20°	1676.2	1685.0	1707.8	1736.0	1746.5
22.5°	1637.6	1646.3	1676.2	1706.1	1716.6
25°	1595.4	1605.9	1637.6	1670.9	1685.0
27.5°	1549.7	1562.0	1597.2	1632.3	1646.3
30°	1498.8	1512.8	1549.7	1586.6	1598.9
32.5°	1444.3	1458.3	1500.5	1535.7	1548.0
35°	1389.8	1402.1	1444.3	1481.2	1490.0
37.5°	1328.3	1342.4	1388.1	1419.7	1432.0
40°	1268.6	1282.6	1323.1	1354.7	1365.2
42.5°	1203.6	1217.6	1258.0	1287.9	1296.7
45°	1135.0	1150.9	1187.8	1217.6	1224.7
47.5°	1066.5	1078.8	1117.5	1143.8	1149.1
50°	994.5	1006.8	1041.9	1068.3	1073.6
52.5°	918.9	938.3	966.4	985.7	1008.5
55°	846.9	855.7	885.5	922.4	911.9
57.5°	774.9	780.1	804.7	820.5	824.1
60°	695.8	702.8	722.1	730.9	739.7
62.5°	613.2	618.5	641.3	650.1	653.6
65°	534.1	539.4	551.7	560.5	562.3
67.5°	453.3	458.6	469.1	476.2	507.8
70°	379.5	383.0	388.3	402.4	393.6
72.5°	309.2	311.0	316.3	316.3	318.0
75°	242.5	244.2	246.0	244.2	247.7
77.5°	181.0	184.5	186.2	184.5	182.7
80°	130.0	133.5	131.8	128.3	128.3
82.5°	84.3	86.1	84.3	82.6	82.6
85°	43.9	47.4	45.7	43.9	43.9
87.5°	15.8	17.6	19.3	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)