

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: P297503

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297503
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4737.0 lumens
Efficiency: N/A
Efficacy: 129.4 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

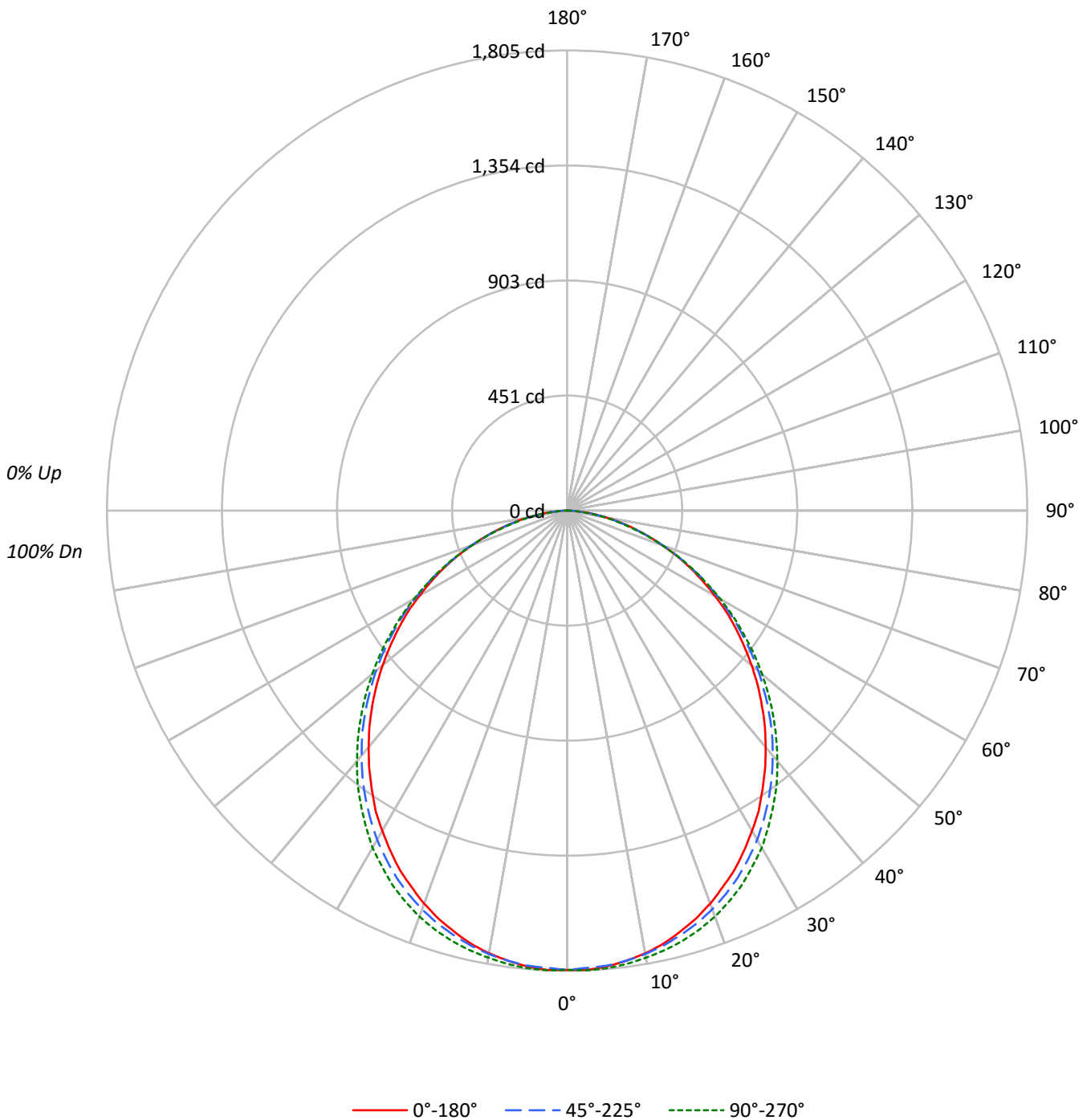
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297503

CATALOG NUMBER: D3X-WO-50L92765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P297503

CATALOG NUMBER: D3X-WO-50L92765-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	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°	2424	2424	2424
5°	2425	2420	2433
10°	2409	2413	2433
15°	2383	2401	2434
20°	2349	2383	2427
25°	2307	2355	2407
30°	2254	2316	2373
35°	2194	2265	2317
40°	2127	2203	2253
45°	2056	2132	2177
50°	1977	2051	2088
55°	1894	1954	1984
60°	1799	1847	1868
65°	1697	1722	1732
70°	1557	1576	1557
75°	1402	1394	1352
80°	1187	1175	1137
85°	886	863	764



TEST NUMBER: P297503

CATALOG NUMBER: D3X-WO-50L92765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	3.6
10°-20°	487.3	10.3
20°-30°	730.6	15.4
30°-40°	860.4	18.2
40°-50°	860.5	18.2
50°-60°	742.5	15.7
60°-70°	534.2	11.3
70°-80°	283.4	6.0
80°-90°	67.6	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°	1388.4	29.3
0°-40°	2248.8	47.5
0°-60°	3851.8	81.3
0°-90°	4737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4737.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1802	1802	1802	1802	1802	
5°	1795	1794	1792	1798	1802	170
15°	1711	1715	1723	1741	1747	482
25°	1554	1564	1586	1613	1621	715
35°	1336	1352	1379	1403	1411	836
45°	1080	1095	1120	1139	1144	833
55°	807	815	833	847	846	723
65°	533	535	541	544	544	527
75°	270	266	268	262	260	287
85°	57	57	56	51	50	69
90°	0	0	0	0	0	



TEST NUMBER: P297503

CATALOG NUMBER: D3X-WO-50L92765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1801.6	1801.6	1801.6	1801.6	1801.6
2.5°	1803.2	1800.0	1795.2	1801.6	1804.8
5°	1795.2	1793.6	1792.0	1798.4	1801.6
7.5°	1780.8	1782.4	1780.8	1790.4	1793.6
10°	1763.3	1764.9	1766.5	1777.6	1780.8
12.5°	1740.9	1742.5	1747.3	1761.7	1766.5
15°	1710.6	1715.4	1723.4	1740.9	1747.3
17.5°	1678.7	1685.1	1696.3	1717.0	1723.4
20°	1640.4	1648.4	1664.3	1686.7	1694.7
22.5°	1597.3	1605.3	1627.6	1651.6	1659.5
25°	1554.2	1563.8	1586.1	1613.3	1621.3
27.5°	1503.2	1515.9	1539.9	1567.0	1573.4
30°	1450.5	1461.7	1490.4	1515.9	1527.1
32.5°	1397.9	1409.0	1436.1	1461.7	1469.7
35°	1335.6	1351.6	1378.7	1402.6	1410.6
37.5°	1275.0	1289.3	1318.1	1342.0	1350.0
40°	1211.2	1223.9	1254.2	1276.6	1283.0
42.5°	1147.3	1160.1	1190.4	1208.0	1214.3
45°	1080.3	1094.7	1120.2	1139.3	1144.1
47.5°	1013.3	1024.5	1048.4	1065.9	1072.3
50°	944.7	955.8	979.8	994.1	997.3
52.5°	876.1	884.0	906.4	919.1	923.9
55°	807.4	815.4	833.0	847.3	845.7
57.5°	742.0	745.2	762.8	772.3	772.3
60°	668.6	671.8	686.2	692.5	694.1
62.5°	600.0	604.8	615.9	617.5	617.5
65°	533.0	534.6	540.9	544.1	544.1
67.5°	466.0	464.4	470.7	470.7	469.1
70°	395.7	398.9	400.5	397.3	395.7
72.5°	331.9	330.3	330.3	328.7	328.7
75°	269.7	266.5	268.1	261.7	260.1
77.5°	212.2	207.4	205.8	202.7	199.5
80°	153.2	153.2	151.6	148.4	146.8
82.5°	102.1	102.1	100.5	97.3	94.1
85°	57.4	57.4	55.9	51.1	49.5
87.5°	19.1	19.1	19.1	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)