

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: P296794

Luminaire Tested: **D3X-WD-45L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296794
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-45L82765-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: 4461.0 lumens
Efficiency: N/A
Efficacy: 135.6 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

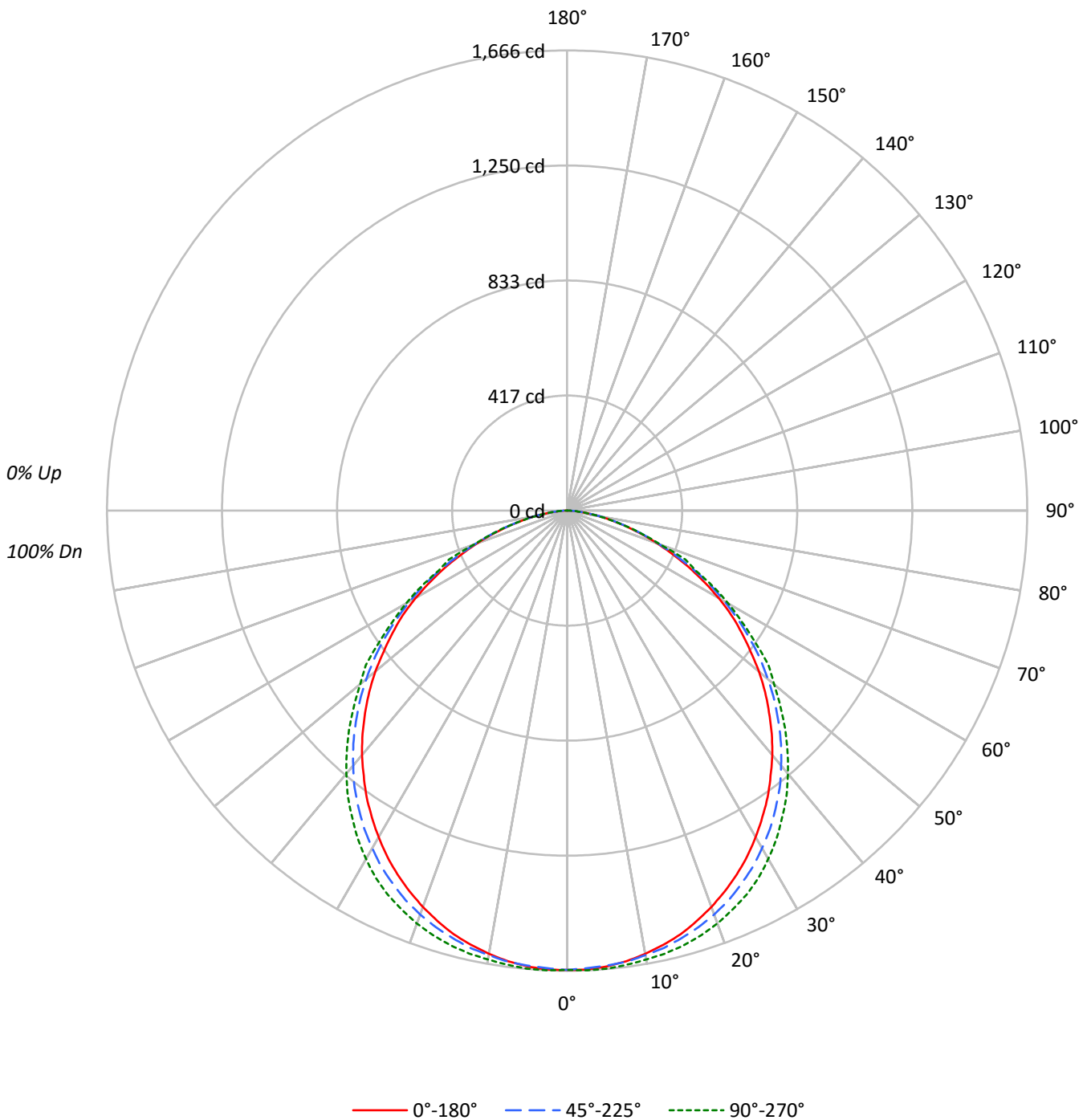
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296794

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P296794

CATALOG NUMBER: D3X-WD-45L82765-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°	2238	2238	2238
5°	2237	2233	2248
10°	2226	2233	2255
15°	2212	2232	2270
20°	2186	2228	2278
25°	2158	2215	2279
30°	2121	2193	2263
35°	2080	2161	2229
40°	2030	2117	2184
45°	1968	2059	2123
50°	1896	1987	2047
55°	1810	1892	1949
60°	1706	1770	1813
65°	1549	1600	1631
70°	1360	1391	1410
75°	1148	1165	1173
80°	917	930	905
85°	618	642	618



TEST NUMBER: P296794

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	3.5
10°-20°	453.2	10.2
20°-30°	687.7	15.4
30°-40°	821.0	18.4
40°-50°	831.2	18.6
50°-60°	718.5	16.1
60°-70°	498.0	11.2
70°-80°	240.9	5.4
80°-90°	52.9	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°	1298.5	29.1
0°-40°	2119.5	47.5
0°-60°	3669.1	82.2
0°-90°	4461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1663	1663	1663	1663	1663	
5°	1657	1655	1653	1661	1665	157
15°	1588	1591	1602	1621	1629	447
25°	1453	1463	1492	1522	1535	669
35°	1266	1277	1316	1349	1357	791
45°	1034	1048	1082	1109	1116	798
55°	772	780	807	840	831	689
65°	487	491	503	511	512	482
75°	221	222	224	222	226	237
85°	40	43	42	40	40	52
90°	0	0	0	0	0	



TEST NUMBER: P296794

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1663.0	1663.0	1663.0	1663.0	1663.0
2.5°	1663.0	1661.4	1658.2	1663.0	1666.2
5°	1656.6	1655.0	1653.4	1661.4	1664.6
7.5°	1645.4	1645.4	1647.0	1655.0	1658.2
10°	1629.4	1631.0	1634.2	1647.0	1650.2
12.5°	1610.2	1613.4	1621.4	1635.8	1642.2
15°	1587.8	1591.0	1602.2	1621.4	1629.4
17.5°	1559.0	1565.4	1581.4	1603.8	1611.8
20°	1527.0	1535.0	1555.8	1581.4	1591.0
22.5°	1491.8	1499.8	1527.0	1554.2	1563.8
25°	1453.3	1463.0	1491.8	1522.2	1535.0
27.5°	1411.7	1422.9	1455.0	1487.0	1499.8
30°	1365.3	1378.1	1411.7	1445.3	1456.6
32.5°	1315.7	1328.5	1366.9	1398.9	1410.1
35°	1266.1	1277.3	1315.7	1349.3	1357.3
37.5°	1210.1	1222.9	1264.5	1293.3	1304.5
40°	1155.6	1168.4	1205.3	1234.1	1243.7
42.5°	1096.4	1109.2	1146.0	1173.2	1181.2
45°	1034.0	1048.4	1082.0	1109.2	1115.6
47.5°	971.6	982.8	1018.0	1042.0	1046.8
50°	905.9	917.1	949.2	973.2	978.0
52.5°	837.1	854.7	880.3	897.9	918.7
55°	771.5	779.5	806.7	840.3	830.7
57.5°	705.9	710.7	733.1	747.5	750.7
60°	633.8	640.2	657.8	665.9	673.9
62.5°	558.6	563.4	584.2	592.2	595.4
65°	486.6	491.4	502.6	510.6	512.2
67.5°	413.0	417.8	427.4	433.8	462.6
70°	345.7	348.9	353.7	366.5	358.5
72.5°	281.7	283.3	288.1	288.1	289.7
75°	220.9	222.5	224.1	222.5	225.7
77.5°	164.9	168.1	169.7	168.1	166.5
80°	118.4	121.6	120.0	116.8	116.8
82.5°	76.8	78.4	76.8	75.2	75.2
85°	40.0	43.2	41.6	40.0	40.0
87.5°	14.4	16.0	17.6	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)