

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: P296944

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296944  
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-55L92765-LD5-UNV-24-T1-W2A-2700K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4082.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 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

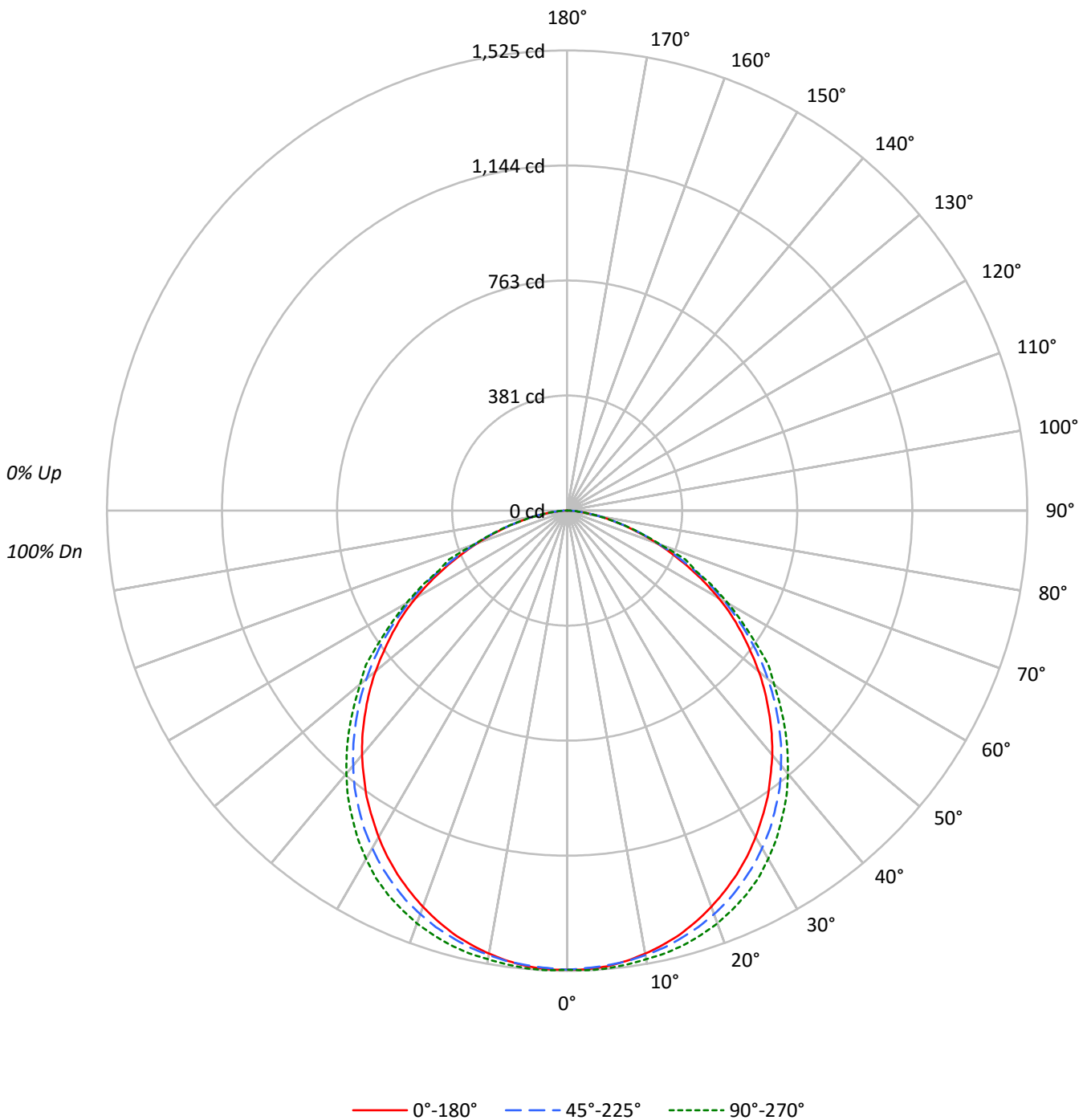
Input Watts (W): 38.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2047	2047	2047
5°	2047	2044	2057
10°	2037	2043	2063
15°	2024	2042	2077
20°	2001	2038	2084
25°	1974	2026	2085
30°	1941	2007	2071
35°	1903	1977	2040
40°	1857	1937	1999
45°	1800	1884	1942
50°	1735	1818	1873
55°	1656	1732	1783
60°	1561	1620	1659
65°	1417	1464	1492
70°	1245	1273	1291
75°	1051	1066	1074
80°	840	851	828
85°	565	588	565



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	3.5
10°-20°	414.7	10.2
20°-30°	629.2	15.4
30°-40°	751.3	18.4
40°-50°	760.6	18.6
50°-60°	657.4	16.1
60°-70°	455.7	11.2
70°-80°	220.5	5.4
80°-90°	48.5	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°	1188.2	29.1
0°-40°	1939.4	47.5
0°-60°	3357.4	82.2
0°-90°	4082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4082.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1522	1522	1522	1522	1522	
5°	1516	1514	1513	1520	1523	144
15°	1453	1456	1466	1484	1491	409
25°	1330	1339	1365	1393	1405	612
35°	1158	1169	1204	1235	1242	724
45°	946	959	990	1015	1021	730
55°	706	713	738	769	760	631
65°	445	450	460	467	469	441
75°	202	204	205	204	206	217
85°	37	40	38	37	37	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1521.7	1521.7	1521.7	1521.7	1521.7
2.5°	1521.7	1520.3	1517.3	1521.7	1524.7
5°	1515.9	1514.4	1513.0	1520.3	1523.2
7.5°	1505.6	1505.6	1507.1	1514.4	1517.3
10°	1491.0	1492.4	1495.4	1507.1	1510.0
12.5°	1473.4	1476.3	1483.7	1496.8	1502.7
15°	1452.9	1455.8	1466.1	1483.7	1491.0
17.5°	1426.5	1432.4	1447.0	1467.5	1474.9
20°	1397.2	1404.6	1423.6	1447.0	1455.8
22.5°	1365.0	1372.3	1397.2	1422.1	1430.9
25°	1329.9	1338.7	1365.0	1392.9	1404.6
27.5°	1291.8	1302.0	1331.3	1360.6	1372.3
30°	1249.3	1261.0	1291.8	1322.6	1332.8
32.5°	1203.9	1215.6	1250.8	1280.1	1290.3
35°	1158.5	1168.8	1203.9	1234.7	1242.0
37.5°	1107.3	1119.0	1157.0	1183.4	1193.7
40°	1057.5	1069.2	1102.9	1129.2	1138.0
42.5°	1003.3	1015.0	1048.7	1073.6	1080.9
45°	946.1	959.3	990.1	1015.0	1020.8
47.5°	889.0	899.3	931.5	953.5	957.9
50°	829.0	839.2	868.5	890.5	894.9
52.5°	766.0	782.1	805.5	821.7	840.7
55°	705.9	713.3	738.2	768.9	760.1
57.5°	645.9	650.3	670.8	684.0	686.9
60°	580.0	585.8	602.0	609.3	616.6
62.5°	511.2	515.5	534.6	541.9	544.8
65°	445.2	449.6	459.9	467.2	468.7
67.5°	377.9	382.3	391.1	396.9	423.3
70°	316.4	319.3	323.7	335.4	328.1
72.5°	257.8	259.2	263.6	263.6	265.1
75°	202.1	203.6	205.0	203.6	206.5
77.5°	150.9	153.8	155.2	153.8	152.3
80°	108.4	111.3	109.8	106.9	106.9
82.5°	70.3	71.8	70.3	68.8	68.8
85°	36.6	39.5	38.1	36.6	36.6
87.5°	13.2	14.6	16.1	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)