

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: P297505

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297505  
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-55L92765-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4522.0 lumens  
Efficiency: N/A  
Efficacy: 119.3 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

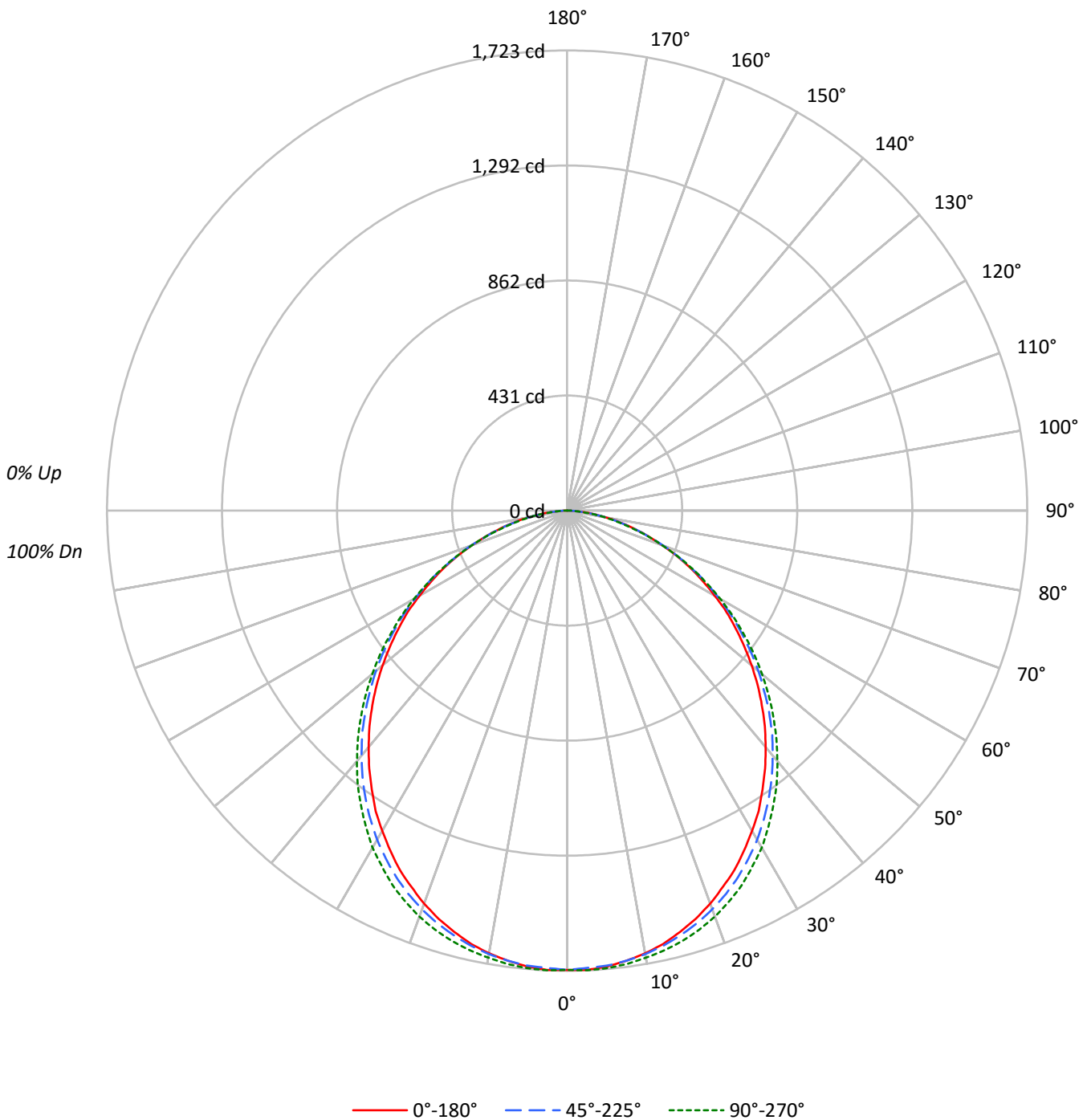
Input Watts (W): 37.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2314	2314	2314
5°	2315	2311	2323
10°	2300	2304	2323
15°	2275	2292	2323
20°	2242	2275	2316
25°	2203	2248	2298
30°	2151	2211	2265
35°	2094	2162	2212
40°	2031	2103	2151
45°	1962	2035	2078
50°	1888	1958	1993
55°	1808	1865	1894
60°	1718	1763	1783
65°	1620	1644	1654
70°	1486	1504	1486
75°	1338	1330	1291
80°	1133	1121	1086
85°	846	823	729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.8	3.6
10°-20°	465.1	10.3
20°-30°	697.4	15.4
30°-40°	821.3	18.2
40°-50°	821.5	18.2
50°-60°	708.8	15.7
60°-70°	510.0	11.3
70°-80°	270.5	6.0
80°-90°	64.5	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°	1325.4	29.3
0°-40°	2146.7	47.5
0°-60°	3677.0	81.3
0°-90°	4522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4522.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1714	1712	1711	1717	1720	163
15°	1633	1638	1645	1662	1668	460
25°	1484	1493	1514	1540	1548	682
35°	1275	1290	1316	1339	1347	798
45°	1031	1045	1069	1088	1092	796
55°	771	778	795	809	807	690
65°	509	510	516	519	519	503
75°	257	254	256	250	248	274
85°	55	55	53	49	47	66
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1719.8	1719.8	1719.8	1719.8	1719.8
2.5°	1721.3	1718.3	1713.7	1719.8	1722.8
5°	1713.7	1712.2	1710.7	1716.8	1719.8
7.5°	1700.0	1701.5	1700.0	1709.1	1712.2
10°	1683.2	1684.8	1686.3	1697.0	1700.0
12.5°	1661.9	1663.4	1668.0	1681.7	1686.3
15°	1633.0	1637.5	1645.2	1661.9	1668.0
17.5°	1602.5	1608.6	1619.3	1639.1	1645.2
20°	1565.9	1573.6	1588.8	1610.1	1617.7
22.5°	1524.8	1532.4	1553.8	1576.6	1584.2
25°	1483.7	1492.8	1514.2	1540.1	1547.7
27.5°	1434.9	1447.1	1470.0	1495.9	1502.0
30°	1384.7	1395.3	1422.8	1447.1	1457.8
32.5°	1334.4	1345.1	1371.0	1395.3	1403.0
35°	1275.0	1290.2	1316.1	1339.0	1346.6
37.5°	1217.1	1230.8	1258.2	1281.1	1288.7
40°	1156.2	1168.4	1197.3	1218.6	1224.7
42.5°	1095.2	1107.4	1136.4	1153.1	1159.2
45°	1031.3	1045.0	1069.4	1087.6	1092.2
47.5°	967.3	978.0	1000.8	1017.6	1023.7
50°	901.8	912.5	935.3	949.0	952.1
52.5°	836.3	843.9	865.2	877.4	882.0
55°	770.8	778.4	795.2	808.9	807.3
57.5°	708.3	711.4	728.1	737.3	737.3
60°	638.3	641.3	655.0	661.1	662.6
62.5°	572.8	577.3	588.0	589.5	589.5
65°	508.8	510.3	516.4	519.4	519.4
67.5°	444.8	443.3	449.4	449.4	447.8
70°	377.8	380.8	382.3	379.3	377.8
72.5°	316.8	315.3	315.3	313.8	313.8
75°	257.4	254.4	255.9	249.8	248.3
77.5°	202.6	198.0	196.5	193.5	190.4
80°	146.2	146.2	144.7	141.7	140.1
82.5°	97.5	97.5	96.0	92.9	89.9
85°	54.8	54.8	53.3	48.7	47.2
87.5°	18.3	18.3	18.3	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)