

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: P297469

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297469  
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-36L92765-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: 2993.0 lumens  
Efficiency: N/A  
Efficacy: 120.2 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

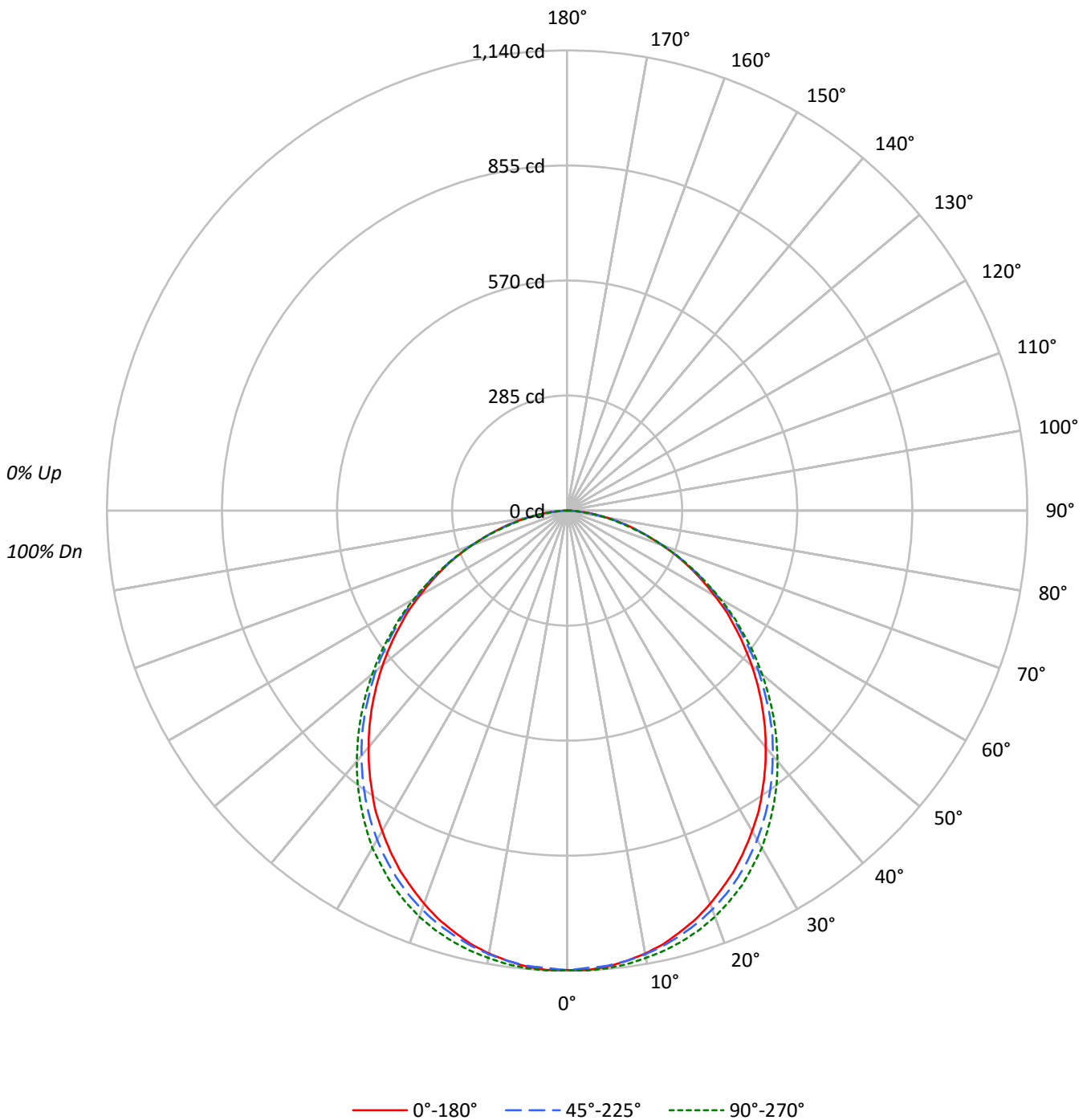
Input Watts (W): 24.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1532	1532	1532
5°	1532	1529	1537
10°	1522	1525	1537
15°	1506	1517	1538
20°	1484	1506	1533
25°	1458	1488	1521
30°	1424	1463	1499
35°	1386	1431	1464
40°	1344	1392	1424
45°	1299	1347	1376
50°	1249	1296	1319
55°	1197	1235	1254
60°	1137	1167	1180
65°	1072	1088	1095
70°	983	996	983
75°	886	881	854
80°	750	742	719
85°	560	545	483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.8	3.6
10°-20°	307.9	10.3
20°-30°	461.6	15.4
30°-40°	543.6	18.2
40°-50°	543.7	18.2
50°-60°	469.1	15.7
60°-70°	337.6	11.3
70°-80°	179.1	6.0
80°-90°	42.7	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°	877.2	29.3
0°-40°	1420.9	47.5
0°-60°	2433.7	81.3
0°-90°	2993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2993.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1134	1133	1132	1136	1138	108
15°	1081	1084	1089	1100	1104	305
25°	982	988	1002	1019	1024	452
35°	844	854	871	886	891	528
45°	683	692	708	720	723	527
55°	510	515	526	535	534	457
65°	337	338	342	344	344	333
75°	170	168	169	165	164	181
85°	36	36	35	32	31	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1138.3	1138.3	1138.3	1138.3	1138.3
2.5°	1139.3	1137.3	1134.3	1138.3	1140.3
5°	1134.3	1133.3	1132.2	1136.3	1138.3
7.5°	1125.2	1126.2	1125.2	1131.2	1133.3
10°	1114.1	1115.1	1116.1	1123.2	1125.2
12.5°	1100.0	1101.0	1104.0	1113.1	1116.1
15°	1080.8	1083.8	1088.9	1100.0	1104.0
17.5°	1060.7	1064.7	1071.7	1084.9	1088.9
20°	1036.5	1041.5	1051.6	1065.7	1070.7
22.5°	1009.2	1014.3	1028.4	1043.5	1048.6
25°	982.0	988.1	1002.2	1019.3	1024.4
27.5°	949.8	957.8	972.9	990.1	994.1
30°	916.5	923.5	941.7	957.8	964.9
32.5°	883.2	890.3	907.4	923.5	928.6
35°	843.9	854.0	871.1	886.2	891.3
37.5°	805.6	814.7	832.8	847.9	853.0
40°	765.2	773.3	792.5	806.6	810.6
42.5°	724.9	733.0	752.1	763.2	767.3
45°	682.6	691.6	707.8	719.9	722.9
47.5°	640.2	647.3	662.4	673.5	677.5
50°	596.9	603.9	619.1	628.1	630.1
52.5°	553.5	558.6	572.7	580.7	583.8
55°	510.2	515.2	526.3	535.4	534.4
57.5°	468.8	470.8	481.9	488.0	488.0
60°	422.4	424.5	433.5	437.6	438.6
62.5°	379.1	382.1	389.2	390.2	390.2
65°	336.7	337.8	341.8	343.8	343.8
67.5°	294.4	293.4	297.4	297.4	296.4
70°	250.0	252.1	253.1	251.0	250.0
72.5°	209.7	208.7	208.7	207.7	207.7
75°	170.4	168.4	169.4	165.3	164.3
77.5°	134.1	131.1	130.1	128.0	126.0
80°	96.8	96.8	95.8	93.8	92.8
82.5°	64.5	64.5	63.5	61.5	59.5
85°	36.3	36.3	35.3	32.3	31.3
87.5°	12.1	12.1	12.1	12.1	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)