

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: P297685

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-5000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3561.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

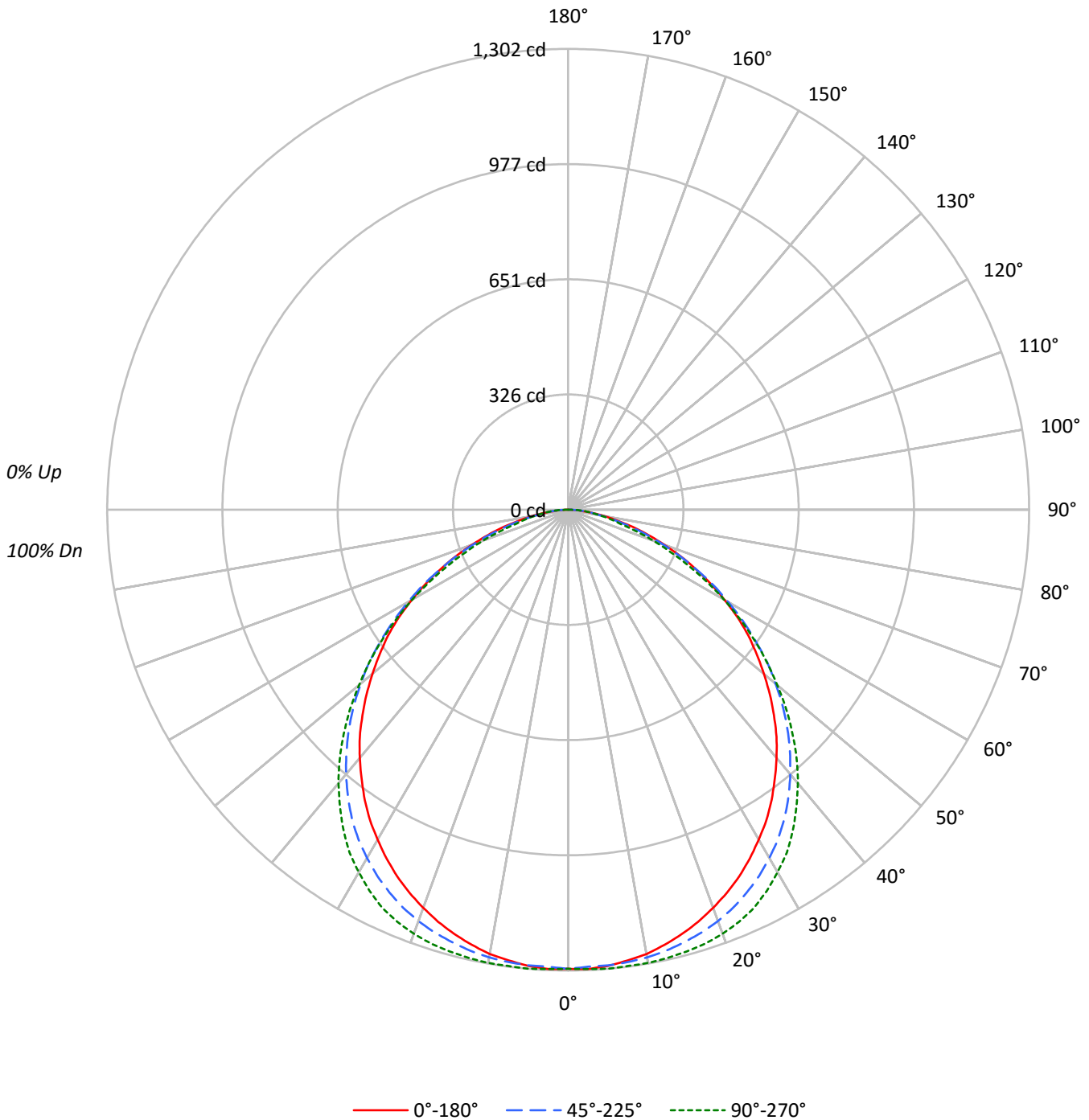
Input Watts (W): 40.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3490	3490	3490
5°	3495	3491	3516
10°	3483	3510	3553
15°	3458	3525	3600
20°	3428	3542	3651
25°	3393	3545	3686
30°	3344	3531	3675
35°	3290	3499	3634
40°	3216	3429	3546
45°	3127	3333	3412
50°	3021	3201	3227
55°	2916	3028	3013
60°	2746	2806	2738
65°	2530	2541	2399
70°	2264	2214	2013
75°	1967	1834	1553
80°	1576	1429	1429
85°	1130	1325	1374



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	3.5
10°-20°	358.1	10.1
20°-30°	549.8	15.4
30°-40°	662.1	18.6
40°-50°	669.1	18.8
50°-60°	570.7	16.0
60°-70°	390.7	11.0
70°-80°	188.5	5.3
80°-90°	48.6	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°	1031.2	29.0
0°-40°	1693.3	47.6
0°-60°	2933.2	82.4
0°-90°	3561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3561.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1294	1294	1292	1300	1302	123
15°	1241	1251	1265	1288	1292	350
25°	1143	1160	1194	1229	1241	526
35°	1001	1024	1065	1098	1106	626
45°	822	844	876	896	896	634
55°	622	633	645	648	642	553
65°	397	402	399	385	377	394
75°	189	189	176	156	149	201
85°	37	40	43	44	44	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1297.1	1297.1	1297.1	1297.1	1297.1
2.5°	1298.7	1297.1	1292.3	1298.7	1298.7
5°	1293.9	1293.9	1292.3	1300.3	1301.8
7.5°	1284.4	1287.5	1289.1	1298.7	1300.3
10°	1274.8	1278.0	1284.4	1297.1	1300.3
12.5°	1258.9	1265.3	1276.4	1293.9	1297.1
15°	1241.4	1251.0	1265.3	1287.5	1292.3
17.5°	1220.8	1233.5	1252.6	1278.0	1286.0
20°	1196.9	1211.2	1236.7	1265.3	1274.8
22.5°	1171.5	1187.4	1217.6	1251.0	1260.5
25°	1142.9	1160.4	1193.8	1228.7	1241.4
27.5°	1111.1	1130.2	1166.7	1203.3	1214.4
30°	1076.1	1096.8	1136.5	1173.1	1182.6
32.5°	1041.2	1061.8	1103.2	1138.1	1149.3
35°	1001.4	1023.7	1065.0	1098.4	1106.3
37.5°	958.5	980.8	1022.1	1055.5	1058.6
40°	915.6	937.8	976.0	1006.2	1009.4
42.5°	871.1	891.7	926.7	952.1	955.3
45°	821.8	844.1	875.8	896.5	896.5
47.5°	772.5	794.8	821.8	836.1	836.1
50°	721.7	742.3	764.6	772.5	770.9
52.5°	670.8	689.9	708.9	710.5	707.4
55°	621.5	632.6	645.4	648.5	642.2
57.5°	567.5	577.0	585.0	580.2	575.4
60°	510.2	519.8	521.4	513.4	508.7
62.5°	454.6	462.6	462.6	449.8	441.9
65°	397.4	402.2	399.0	384.7	376.7
67.5°	343.3	346.5	340.2	325.9	313.1
70°	287.7	289.3	281.4	263.9	255.9
72.5°	236.8	238.4	228.9	208.2	198.7
75°	189.2	189.2	176.4	155.8	149.4
77.5°	141.5	146.2	131.9	120.8	120.8
80°	101.7	106.5	92.2	93.8	92.2
82.5°	66.8	71.5	66.8	66.8	66.8
85°	36.6	39.7	42.9	44.5	44.5
87.5°	11.1	19.1	20.7	22.3	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)