

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: P297828

Luminaire Tested: **D3X-WG-40L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-40L92765-LD5-UNV-14-T1-W2A-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3650.0 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

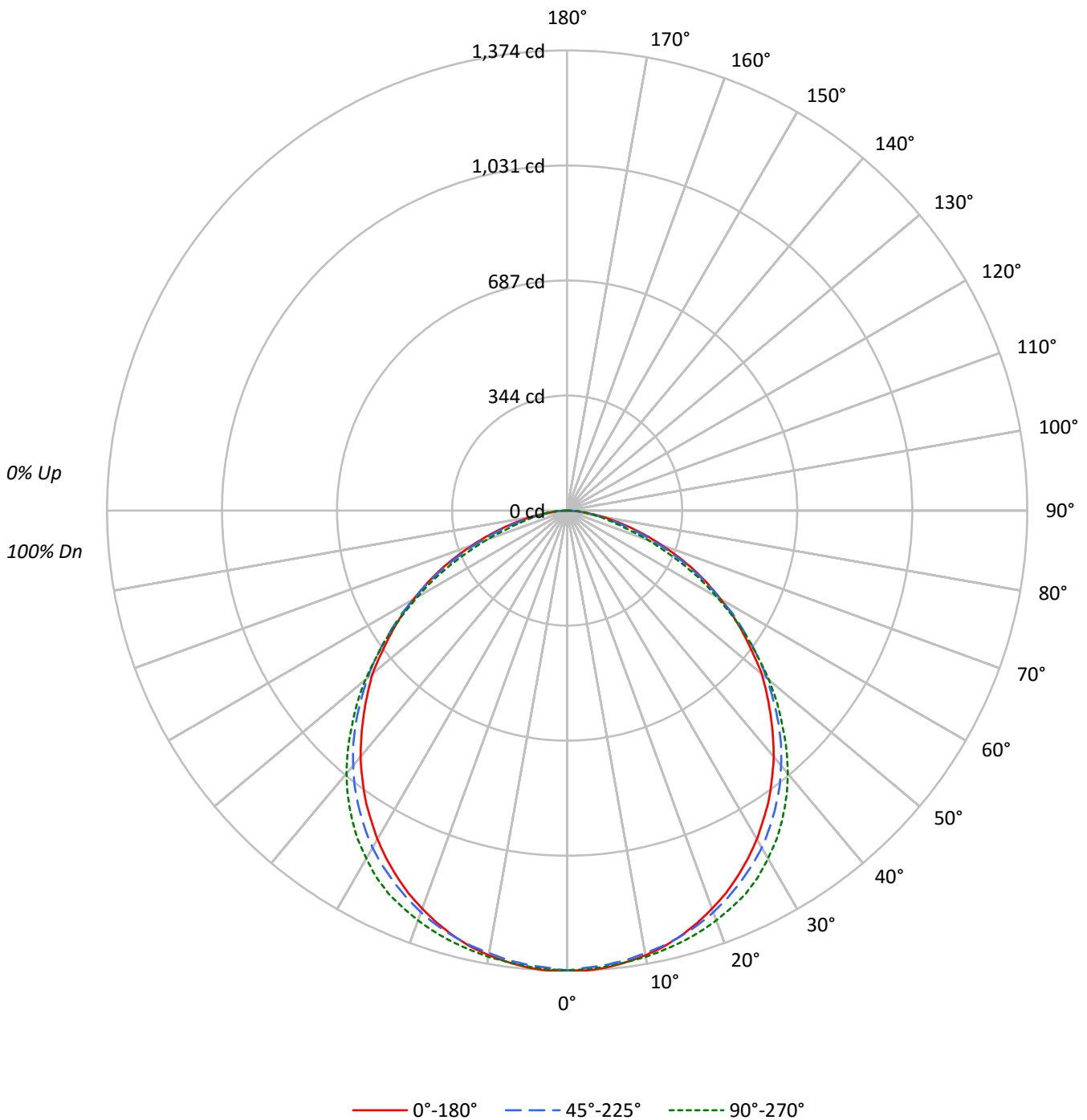
Input Watts (W): 41.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	3694	3694	3694
5°	3699	3677	3690
10°	3684	3666	3697
15°	3660	3665	3711
20°	3623	3655	3730
25°	3577	3635	3746
30°	3520	3611	3728
35°	3453	3560	3684
40°	3371	3492	3601
45°	3267	3392	3460
50°	3177	3260	3293
55°	3017	3079	3063
60°	2855	2855	2776
65°	2650	2588	2443
70°	2350	2247	2029
75°	2037	1850	1562
80°	1669	1441	1416
85°	1108	1309	1411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.8	3.6
10°-20°	372.6	10.2
20°-30°	566.2	15.5
30°-40°	677.9	18.6
40°-50°	683.8	18.7
50°-60°	582.5	16.0
60°-70°	398.3	10.9
70°-80°	190.7	5.2
80°-90°	48.3	1.3
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°	1068.6	29.3
0°-40°	1746.5	47.8
0°-60°	3012.7	82.5
0°-90°	3650.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3650.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1373	1373	1373	1373	1373	
5°	1369	1368	1361	1368	1366	130
15°	1314	1311	1316	1330	1332	370
25°	1205	1206	1224	1252	1262	555
35°	1051	1054	1084	1115	1121	657
45°	858	865	891	909	909	663
55°	643	646	656	658	653	576
65°	416	408	406	392	384	410
75°	196	193	178	155	150	209
85°	36	39	42	44	46	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1372.7	1372.7	1372.7	1372.7	1372.7
2.5°	1374.3	1372.7	1366.2	1372.7	1371.1
5°	1369.4	1367.8	1361.3	1367.8	1366.2
7.5°	1359.6	1358.0	1353.1	1359.6	1359.6
10°	1348.2	1344.9	1341.7	1351.5	1353.1
12.5°	1333.5	1330.3	1330.3	1341.7	1343.3
15°	1313.9	1310.7	1315.6	1330.3	1331.9
17.5°	1291.1	1289.5	1297.6	1315.6	1318.8
20°	1265.0	1263.3	1276.4	1297.6	1302.5
22.5°	1237.2	1237.2	1251.9	1276.4	1282.9
25°	1204.6	1206.2	1224.2	1251.9	1261.7
27.5°	1170.3	1173.6	1194.8	1225.8	1234.0
30°	1132.8	1137.7	1162.1	1191.5	1199.7
32.5°	1092.0	1096.9	1124.6	1155.6	1163.8
35°	1051.1	1054.4	1083.8	1114.8	1121.3
37.5°	1005.4	1010.3	1041.4	1069.1	1075.6
40°	959.7	964.6	994.0	1020.1	1025.0
42.5°	909.1	915.7	945.1	966.3	969.5
45°	858.5	865.1	891.2	909.1	909.1
47.5°	807.9	811.2	834.1	852.0	850.4
50°	759.0	757.4	778.6	786.7	786.7
52.5°	698.6	703.5	718.2	723.1	718.2
55°	643.1	646.4	656.2	657.8	652.9
57.5°	589.2	587.6	595.8	590.9	584.3
60°	530.5	530.5	530.5	525.6	515.8
62.5°	473.3	470.1	468.4	457.0	452.1
65°	416.2	408.1	406.4	391.7	383.6
67.5°	355.8	352.6	344.4	329.7	315.0
70°	298.7	295.4	285.6	267.7	257.9
72.5°	246.5	243.2	230.1	208.9	195.9
75°	195.9	192.6	177.9	155.1	150.2
77.5°	148.5	146.9	132.2	120.8	119.2
80°	107.7	106.1	93.0	93.0	91.4
82.5°	68.6	68.6	65.3	66.9	68.6
85°	35.9	39.2	42.4	44.1	45.7
87.5°	11.4	18.0	21.2	22.9	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)