

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: P297688

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297688  
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-6500K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3656.0 lumens  
Efficiency: N/A  
Efficacy: 88.5 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

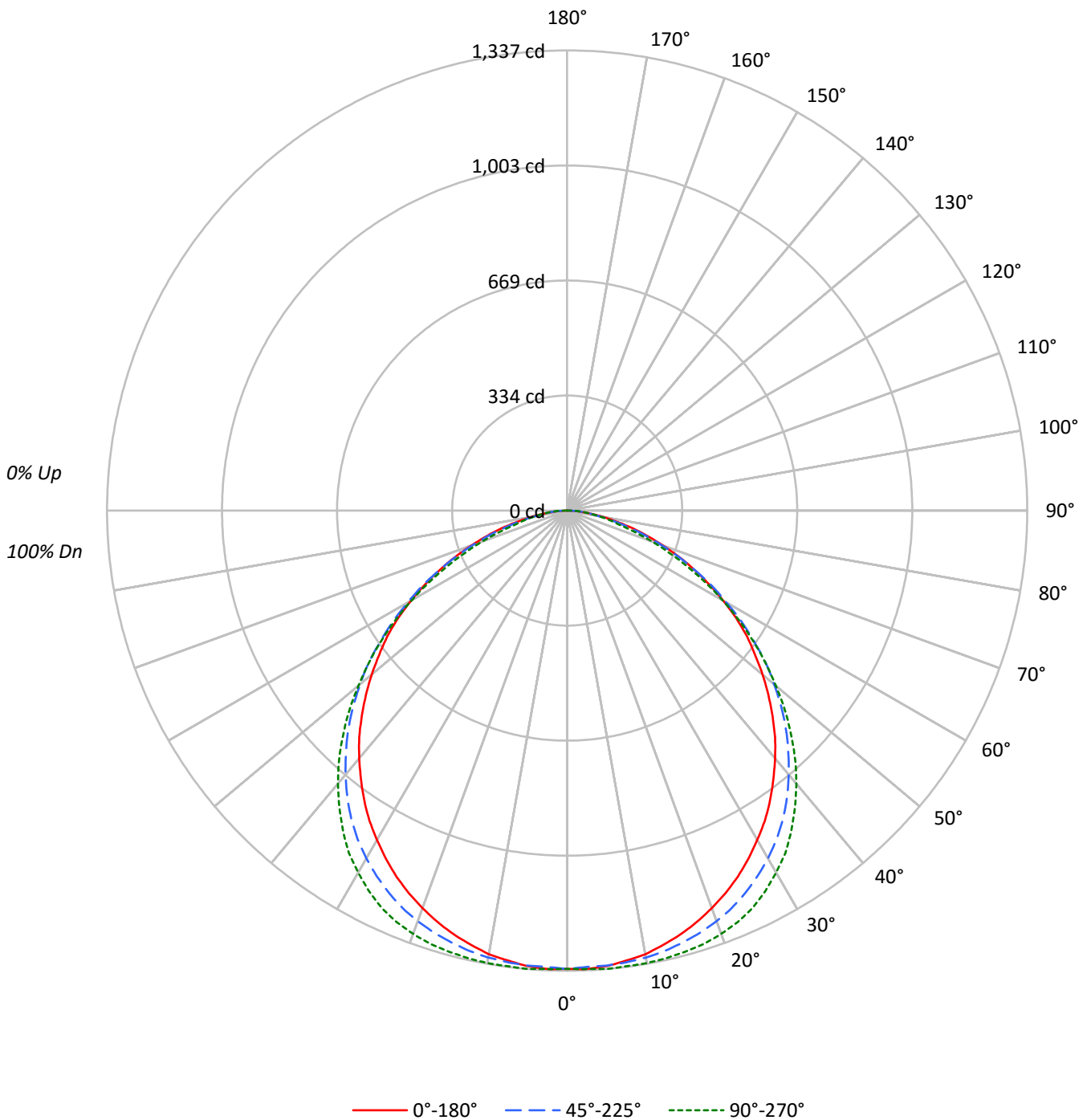
Input Watts (W): 41.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3584	3584	3584
5°	3588	3584	3611
10°	3576	3603	3648
15°	3551	3619	3696
20°	3519	3636	3748
25°	3484	3639	3784
30°	3433	3626	3773
35°	3377	3592	3731
40°	3302	3520	3640
45°	3211	3422	3503
50°	3102	3286	3314
55°	2994	3109	3093
60°	2820	2881	2810
65°	2598	2608	2463
70°	2324	2273	2067
75°	2019	1883	1595
80°	1618	1468	1468
85°	1158	1362	1411



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	3.5
10°-20°	367.6	10.1
20°-30°	564.4	15.4
30°-40°	679.8	18.6
40°-50°	687.0	18.8
50°-60°	586.0	16.0
60°-70°	401.1	11.0
70°-80°	193.6	5.3
80°-90°	49.9	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°	1058.7	29.0
0°-40°	1738.5	47.6
0°-60°	3011.4	82.4
0°-90°	3656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3656.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1328	1328	1327	1335	1337	126
15°	1275	1284	1299	1322	1327	360
25°	1173	1191	1226	1262	1275	540
35°	1028	1051	1093	1128	1136	642
45°	844	867	899	920	920	651
55°	638	650	663	666	659	568
65°	408	413	410	395	387	405
75°	194	194	181	160	153	206
85°	38	41	44	46	46	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1331.7	1331.7	1331.7	1331.7	1331.7
2.5°	1333.3	1331.7	1326.8	1333.3	1333.3
5°	1328.4	1328.4	1326.8	1334.9	1336.6
7.5°	1318.6	1321.9	1323.5	1333.3	1334.9
10°	1308.8	1312.1	1318.6	1331.7	1334.9
12.5°	1292.5	1299.0	1310.5	1328.4	1331.7
15°	1274.6	1284.4	1299.0	1321.9	1326.8
17.5°	1253.4	1266.4	1286.0	1312.1	1320.3
20°	1228.9	1243.6	1269.7	1299.0	1308.8
22.5°	1202.8	1219.1	1250.1	1284.4	1294.1
25°	1173.4	1191.3	1225.6	1261.5	1274.6
27.5°	1140.7	1160.3	1197.9	1235.4	1246.8
30°	1104.8	1126.1	1166.9	1204.4	1214.2
32.5°	1068.9	1090.2	1132.6	1168.5	1179.9
35°	1028.1	1051.0	1093.4	1127.7	1135.8
37.5°	984.1	1006.9	1049.4	1083.6	1086.9
40°	940.0	962.9	1002.0	1033.0	1036.3
42.5°	894.3	915.5	951.4	977.5	980.8
45°	843.7	866.6	899.2	920.4	920.4
47.5°	793.1	816.0	843.7	858.4	858.4
50°	740.9	762.1	785.0	793.1	791.5
52.5°	688.7	708.3	727.9	729.5	726.2
55°	638.1	649.5	662.6	665.8	659.3
57.5°	582.6	592.4	600.6	595.7	590.8
60°	523.9	533.7	535.3	527.1	522.2
62.5°	466.7	474.9	474.9	461.8	453.7
65°	408.0	412.9	409.6	394.9	386.8
67.5°	352.5	355.8	349.2	334.6	321.5
70°	295.4	297.0	288.9	270.9	262.7
72.5°	243.2	244.8	235.0	213.8	204.0
75°	194.2	194.2	181.1	159.9	153.4
77.5°	145.2	150.1	135.5	124.0	124.0
80°	104.4	109.3	94.7	96.3	94.7
82.5°	68.5	73.4	68.5	68.5	68.5
85°	37.5	40.8	44.1	45.7	45.7
87.5°	11.4	19.6	21.2	22.8	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)