

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: P297965

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3750.0 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

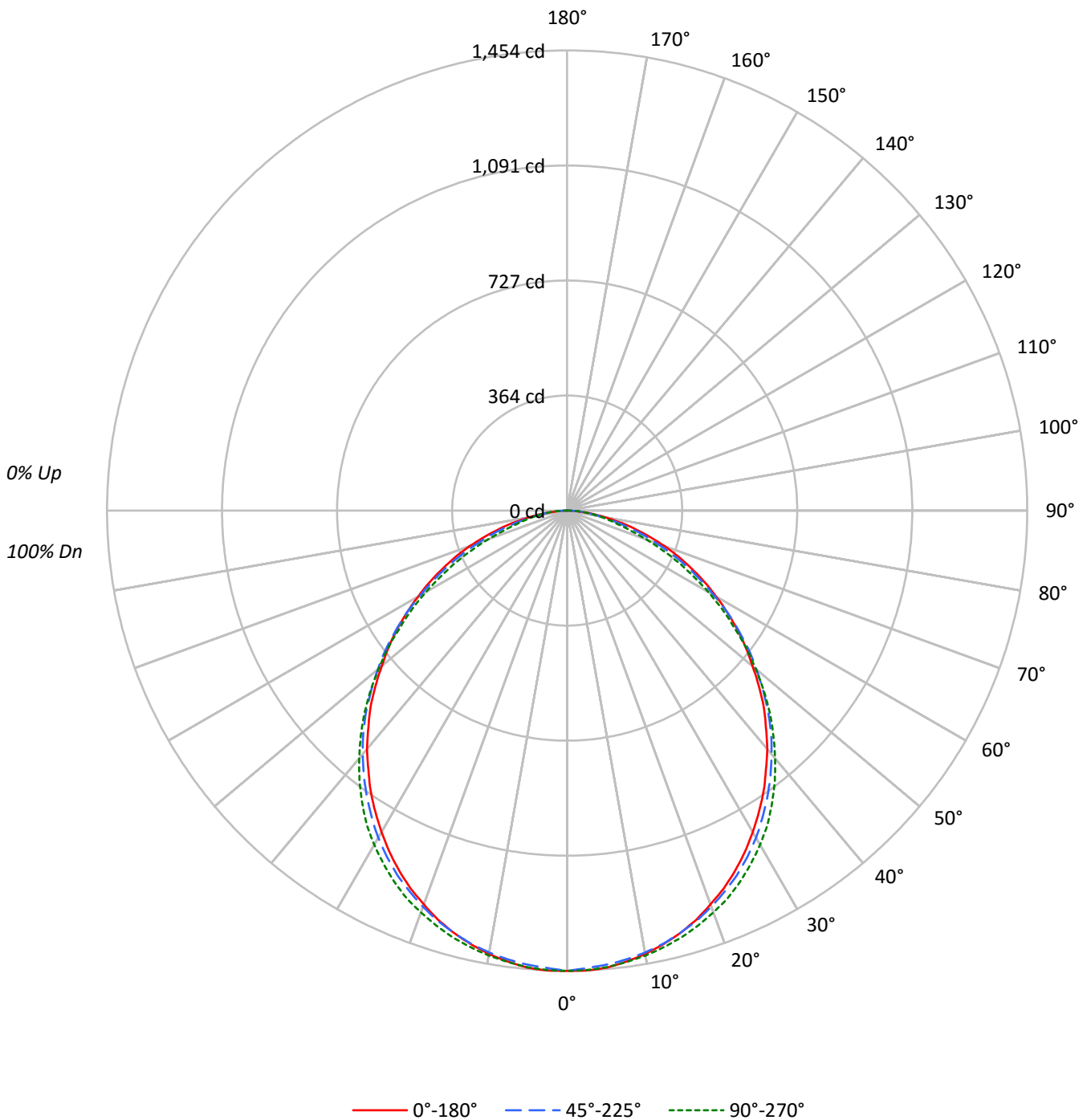
Input Watts (W): 40.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3914	3914	3914
5°	3916	3890	3912
10°	3888	3874	3901
15°	3848	3848	3888
20°	3792	3815	3869
25°	3729	3771	3842
30°	3645	3709	3788
35°	3556	3624	3708
40°	3457	3529	3590
45°	3346	3418	3448
50°	3201	3268	3254
55°	3080	3103	3020
60°	2926	2883	2772
65°	2763	2652	2470
70°	2564	2351	2089
75°	2281	2016	1719
80°	1897	1650	1601
85°	1374	1473	1473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.3	3.7
10°-20°	391.0	10.4
20°-30°	586.0	15.6
30°-40°	690.4	18.4
40°-50°	688.6	18.4
50°-60°	585.7	15.6
60°-70°	408.8	10.9
70°-80°	207.8	5.5
80°-90°	54.3	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°	1114.3	29.7
0°-40°	1804.7	48.1
0°-60°	3079.1	82.1
0°-90°	3750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1450	1446	1440	1448	1448	137
15°	1381	1381	1381	1394	1396	389
25°	1256	1257	1270	1289	1294	578
35°	1082	1084	1103	1125	1129	676
45°	879	882	898	904	906	676
55°	656	656	661	652	644	587
65°	434	428	416	394	388	430
75°	219	211	194	170	165	233
85°	44	46	48	48	48	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1454.5	1454.5	1454.5	1454.5	1454.5
2.5°	1454.5	1452.9	1446.5	1452.9	1452.9
5°	1449.7	1446.5	1440.2	1448.1	1448.1
7.5°	1437.0	1435.4	1430.7	1438.6	1438.6
10°	1422.7	1421.1	1417.9	1427.5	1427.5
12.5°	1403.6	1403.6	1402.0	1411.6	1413.2
15°	1381.4	1381.4	1381.4	1394.1	1395.7
17.5°	1355.9	1354.3	1359.1	1373.4	1375.0
20°	1324.1	1325.7	1332.1	1348.0	1351.2
22.5°	1292.4	1293.9	1301.9	1321.0	1325.7
25°	1255.8	1257.4	1270.1	1289.2	1293.9
27.5°	1216.1	1219.2	1233.5	1254.2	1257.4
30°	1173.1	1176.3	1193.8	1214.5	1219.2
32.5°	1128.6	1133.4	1149.3	1171.5	1177.9
35°	1082.5	1084.1	1103.2	1125.4	1128.6
37.5°	1031.7	1036.4	1055.5	1074.6	1077.8
40°	984.0	987.1	1004.6	1020.5	1022.1
42.5°	929.9	934.7	953.8	964.9	964.9
45°	879.1	882.2	898.1	904.5	906.1
47.5°	821.8	825.0	839.3	842.5	842.5
50°	764.6	772.6	780.5	780.5	777.3
52.5°	712.1	713.7	723.3	716.9	713.7
55°	656.5	656.5	661.3	651.7	643.8
57.5°	600.9	600.9	600.9	588.2	581.8
60°	543.6	542.1	535.7	519.8	515.0
62.5°	489.6	484.8	475.3	459.4	449.9
65°	434.0	427.6	416.5	394.2	387.9
67.5°	381.5	370.4	357.7	337.0	325.9
70°	325.9	316.3	298.8	275.0	265.5
72.5°	271.8	262.3	248.0	224.1	209.8
75°	219.4	211.4	193.9	170.1	165.3
77.5°	168.5	163.7	146.2	135.1	133.5
80°	122.4	120.8	106.5	103.3	103.3
82.5°	81.1	79.5	74.7	74.7	73.1
85°	44.5	46.1	47.7	47.7	47.7
87.5°	15.9	19.1	22.3	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)