

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: P257580

Luminaire Tested: **D3X-WO-40L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257580  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-40L940-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE  
Light Source: (112) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3722.7 lumens  
Efficiency: N/A  
Efficacy: 88.8 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

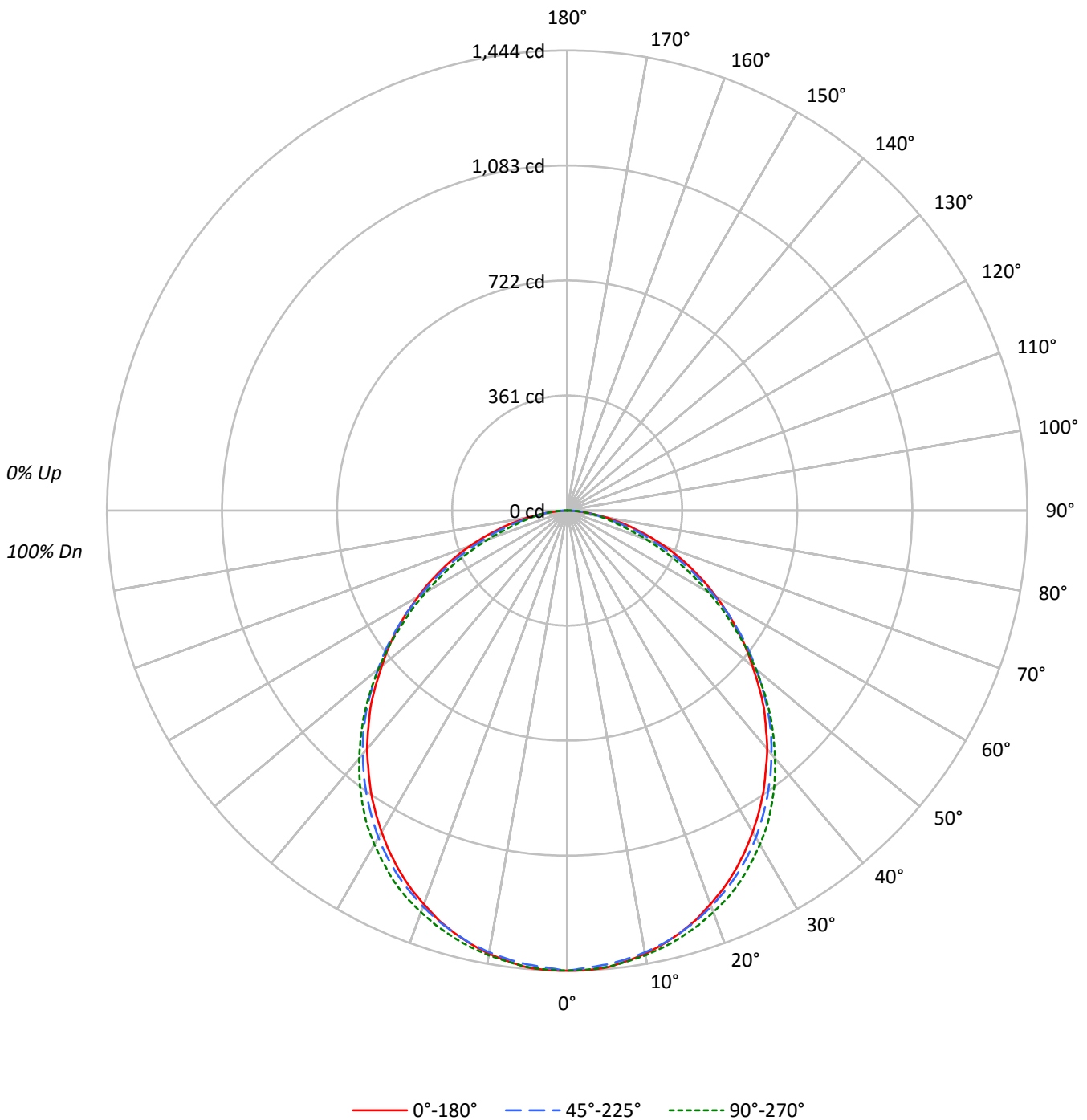
Input Watts (W): 41.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3886	3886	3886
5°	3888	3862	3883
10°	3859	3846	3872
15°	3820	3820	3860
20°	3764	3787	3841
25°	3701	3744	3814
30°	3619	3682	3761
35°	3530	3598	3681
40°	3431	3503	3564
45°	3321	3393	3423
50°	3177	3244	3231
55°	3058	3080	2998
60°	2905	2862	2752
65°	2743	2632	2451
70°	2545	2334	2073
75°	2264	2001	1706
80°	1883	1638	1590
85°	1365	1460	1460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	3.7
10°-20°	388.2	10.4
20°-30°	581.8	15.6
30°-40°	685.4	18.4
40°-50°	683.6	18.4
50°-60°	581.5	15.6
60°-70°	405.8	10.9
70°-80°	206.3	5.5
80°-90°	53.9	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°	1106.2	29.7
0°-40°	1791.6	48.1
0°-60°	3056.7	82.1
0°-90°	3722.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3722.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1439	1436	1430	1438	1438	136
15°	1371	1371	1371	1384	1386	387
25°	1247	1248	1261	1280	1284	574
35°	1075	1076	1095	1117	1120	671
45°	873	876	892	898	900	671
55°	652	652	656	647	639	582
65°	431	424	413	391	385	427
75°	218	210	192	169	164	231
85°	44	46	47	47	47	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1443.9	1443.9	1443.9	1443.9	1443.9
2.5°	1443.9	1442.3	1436.0	1442.3	1442.3
5°	1439.2	1436.0	1429.7	1437.6	1437.6
7.5°	1426.5	1425.0	1420.2	1428.1	1428.1
10°	1412.3	1410.8	1407.6	1417.1	1417.1
12.5°	1393.4	1393.4	1391.8	1401.3	1402.9
15°	1371.3	1371.3	1371.3	1383.9	1385.5
17.5°	1346.1	1344.5	1349.2	1363.4	1365.0
20°	1314.5	1316.1	1322.4	1338.2	1341.3
22.5°	1282.9	1284.5	1292.4	1311.3	1316.1
25°	1246.6	1248.2	1260.8	1279.8	1284.5
27.5°	1207.2	1210.3	1224.6	1245.1	1248.2
30°	1164.6	1167.7	1185.1	1205.6	1210.3
32.5°	1120.4	1125.1	1140.9	1163.0	1169.3
35°	1074.6	1076.2	1095.2	1117.2	1120.4
37.5°	1024.1	1028.9	1047.8	1066.7	1069.9
40°	976.8	980.0	997.3	1013.1	1014.7
42.5°	923.1	927.9	946.8	957.9	957.9
45°	872.7	875.8	891.6	897.9	899.5
47.5°	815.8	819.0	833.2	836.4	836.4
50°	759.0	766.9	774.8	774.8	771.7
52.5°	707.0	708.5	718.0	711.7	708.5
55°	651.7	651.7	656.5	647.0	639.1
57.5°	596.5	596.5	596.5	583.9	577.6
60°	539.7	538.1	531.8	516.0	511.3
62.5°	486.0	481.3	471.8	456.1	446.6
65°	430.8	424.5	413.4	391.4	385.0
67.5°	378.7	367.7	355.1	334.5	323.5
70°	323.5	314.0	296.7	273.0	263.5
72.5°	269.8	260.4	246.2	222.5	208.3
75°	217.8	209.9	192.5	168.8	164.1
77.5°	167.3	162.5	145.2	134.1	132.6
80°	121.5	119.9	105.7	102.6	102.6
82.5°	80.5	78.9	74.2	74.2	72.6
85°	44.2	45.8	47.3	47.3	47.3
87.5°	15.8	18.9	22.1	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)