

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: P257327

Luminaire Tested: **D3X-WD-35L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L935-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (112) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3035.4 lumens  
Efficiency: N/A  
Efficacy: 85.3 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

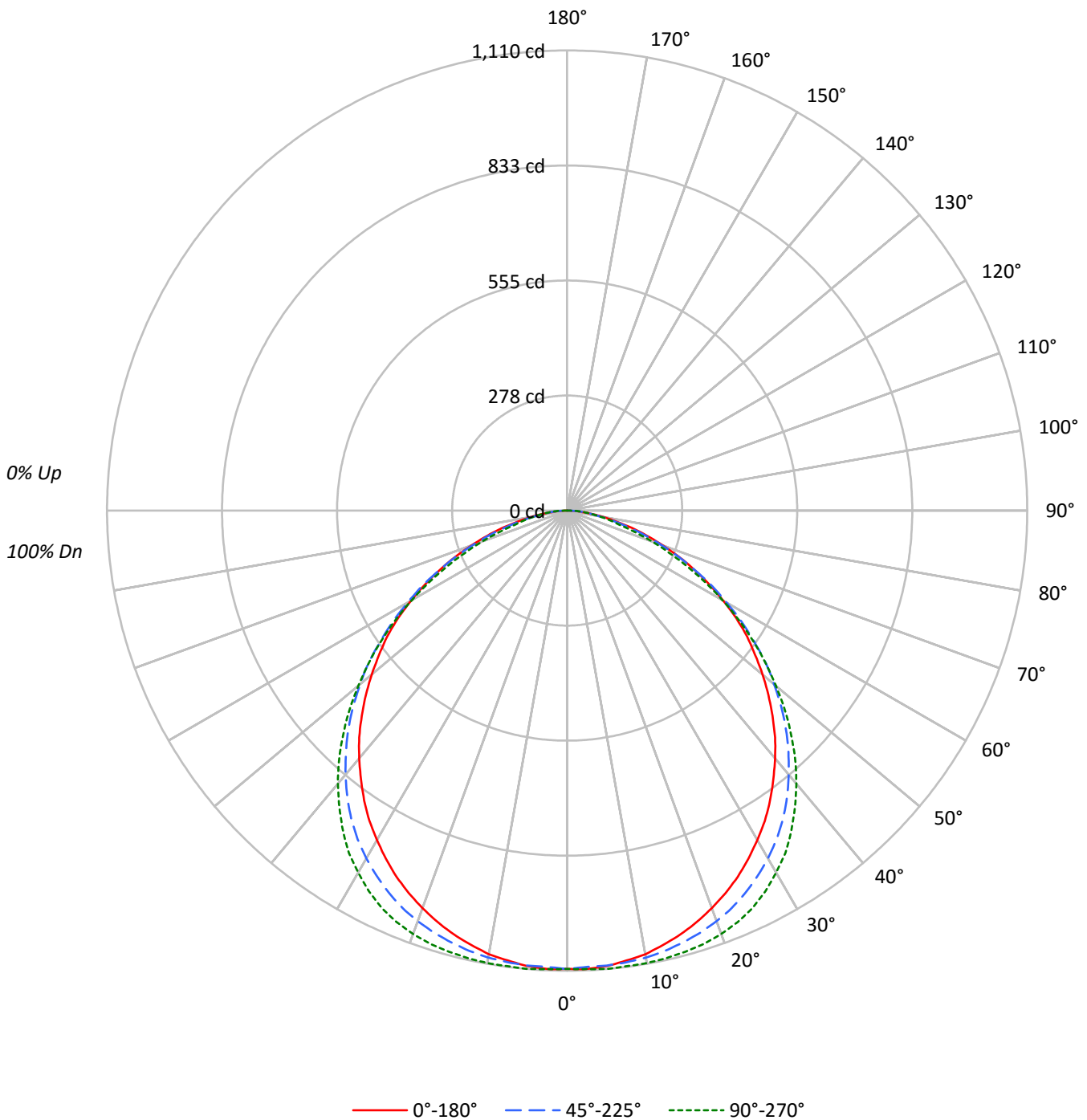
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2975	2975	2975
5°	2979	2976	2998
10°	2969	2992	3028
15°	2948	3005	3069
20°	2922	3019	3112
25°	2893	3021	3142
30°	2850	3010	3132
35°	2804	2982	3098
40°	2741	2922	3022
45°	2666	2841	2908
50°	2575	2728	2751
55°	2486	2581	2568
60°	2341	2392	2334
65°	2157	2166	2045
70°	1929	1887	1716
75°	1676	1564	1325
80°	1344	1218	1218
85°	963	1130	1170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.2	3.5
10°-20°	305.2	10.1
20°-30°	468.6	15.4
30°-40°	564.4	18.6
40°-50°	570.3	18.8
50°-60°	486.5	16.0
60°-70°	333.0	11.0
70°-80°	160.7	5.3
80°-90°	41.4	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°	879.0	29.0
0°-40°	1443.4	47.6
0°-60°	2500.2	82.4
0°-90°	3035.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3035.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1103	1103	1102	1108	1110	105
15°	1058	1066	1078	1098	1102	298
25°	974	989	1018	1047	1058	449
35°	854	873	908	936	943	533
45°	700	720	747	764	764	540
55°	530	539	550	553	547	472
65°	339	343	340	328	321	336
75°	161	161	150	133	127	171
85°	31	34	37	38	38	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1107.0	1105.6	1101.6	1107.0	1107.0
5°	1102.9	1102.9	1101.6	1108.3	1109.7
7.5°	1094.8	1097.5	1098.8	1107.0	1108.3
10°	1086.6	1089.4	1094.8	1105.6	1108.3
12.5°	1073.1	1078.5	1088.0	1102.9	1105.6
15°	1058.2	1066.3	1078.5	1097.5	1101.6
17.5°	1040.6	1051.4	1067.7	1089.4	1096.1
20°	1020.3	1032.5	1054.1	1078.5	1086.6
22.5°	998.6	1012.1	1037.9	1066.3	1074.5
25°	974.2	989.1	1017.5	1047.4	1058.2
27.5°	947.1	963.4	994.5	1025.7	1035.2
30°	917.3	934.9	968.8	999.9	1008.1
32.5°	887.5	905.1	940.3	970.1	979.6
35°	853.6	872.6	907.8	936.3	943.0
37.5°	817.0	836.0	871.2	899.7	902.4
40°	780.4	799.4	831.9	857.7	860.4
42.5°	742.5	760.1	789.9	811.6	814.3
45°	700.5	719.5	746.6	764.2	764.2
47.5°	658.5	677.5	700.5	712.7	712.7
50°	615.1	632.7	651.7	658.5	657.1
52.5°	571.8	588.0	604.3	605.7	602.9
55°	529.8	539.3	550.1	552.8	547.4
57.5°	483.7	491.8	498.6	494.5	490.5
60°	434.9	443.1	444.4	437.6	433.6
62.5°	387.5	394.3	394.3	383.4	376.7
65°	338.7	342.8	340.1	327.9	321.1
67.5°	292.7	295.4	290.0	277.8	266.9
70°	245.2	246.6	239.8	224.9	218.1
72.5°	201.9	203.2	195.1	177.5	169.4
75°	161.2	161.2	150.4	132.8	127.4
77.5°	120.6	124.7	112.5	103.0	103.0
80°	86.7	90.8	78.6	79.9	78.6
82.5°	56.9	61.0	56.9	56.9	56.9
85°	31.2	33.9	36.6	37.9	37.9
87.5°	9.5	16.3	17.6	19.0	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)