

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: P257568

Luminaire Tested: **D3X-WO-31L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257568  
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-31L940-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: 2890.9 lumens  
Efficiency: N/A  
Efficacy: 94.5 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

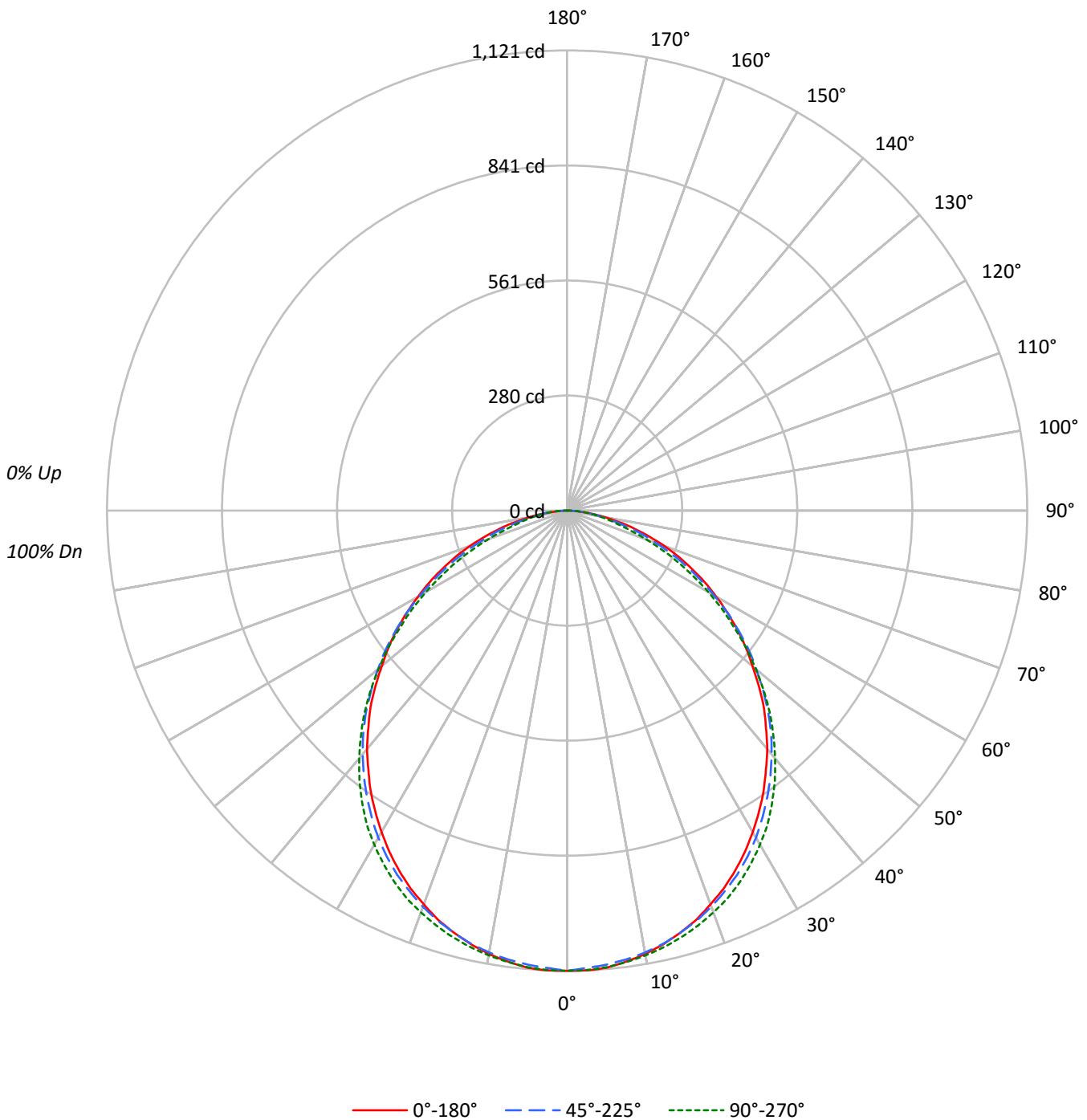
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	3017	3017	3017
5°	3019	2999	3016
10°	2997	2987	3007
15°	2967	2967	2997
20°	2923	2941	2983
25°	2874	2907	2962
30°	2810	2860	2921
35°	2741	2794	2858
40°	2664	2721	2768
45°	2579	2635	2658
50°	2467	2519	2509
55°	2374	2392	2328
60°	2256	2223	2137
65°	2130	2045	1904
70°	1976	1813	1610
75°	1758	1554	1325
80°	1463	1272	1235
85°	1059	1136	1136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.8	3.7
10°-20°	301.4	10.4
20°-30°	451.8	15.6
30°-40°	532.3	18.4
40°-50°	530.9	18.4
50°-60°	451.6	15.6
60°-70°	315.1	10.9
70°-80°	160.2	5.5
80°-90°	41.9	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°	859.0	29.7
0°-40°	1391.3	48.1
0°-60°	2373.7	82.1
0°-90°	2890.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2890.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1115	1110	1116	1116	106
15°	1065	1065	1065	1075	1076	300
25°	968	969	979	994	998	446
35°	834	836	850	868	870	521
45°	678	680	692	697	698	521
55°	506	506	510	502	496	452
65°	334	330	321	304	299	332
75°	169	163	150	131	127	180
85°	34	36	37	37	37	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1121.3	1121.3	1121.3	1121.3	1121.3
2.5°	1121.3	1120.0	1115.1	1120.0	1120.0
5°	1117.6	1115.1	1110.2	1116.4	1116.4
7.5°	1107.8	1106.6	1102.9	1109.0	1109.0
10°	1096.8	1095.5	1093.1	1100.4	1100.4
12.5°	1082.1	1082.1	1080.8	1088.2	1089.4
15°	1064.9	1064.9	1064.9	1074.7	1075.9
17.5°	1045.3	1044.1	1047.7	1058.8	1060.0
20°	1020.8	1022.0	1026.9	1039.2	1041.6
22.5°	996.3	997.5	1003.6	1018.3	1022.0
25°	968.1	969.3	979.1	993.8	997.5
27.5°	937.5	939.9	950.9	966.9	969.3
30°	904.4	906.8	920.3	936.2	939.9
32.5°	870.1	873.7	886.0	903.1	908.0
35°	834.5	835.7	850.4	867.6	870.1
37.5°	795.3	799.0	813.7	828.4	830.8
40°	758.5	761.0	774.5	786.7	787.9
42.5°	716.9	720.6	735.3	743.8	743.8
45°	677.7	680.1	692.4	697.3	698.5
47.5°	633.5	636.0	647.0	649.5	649.5
50°	589.4	595.6	601.7	601.7	599.2
52.5°	549.0	550.2	557.6	552.7	550.2
55°	506.1	506.1	509.8	502.4	496.3
57.5°	463.2	463.2	463.2	453.4	448.5
60°	419.1	417.9	413.0	400.7	397.0
62.5°	377.4	373.8	366.4	354.1	346.8
65°	334.5	329.6	321.1	303.9	299.0
67.5°	294.1	285.5	275.7	259.8	251.2
70°	251.2	243.9	230.4	212.0	204.6
72.5°	209.5	202.2	191.2	172.8	161.8
75°	169.1	163.0	149.5	131.1	127.4
77.5°	129.9	126.2	112.7	104.2	102.9
80°	94.4	93.1	82.1	79.7	79.7
82.5°	62.5	61.3	57.6	57.6	56.4
85°	34.3	35.5	36.8	36.8	36.8
87.5°	12.3	14.7	17.2	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)