

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: P258481

Luminaire Tested: **D3X-WO-31L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258481  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
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-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2731.3 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

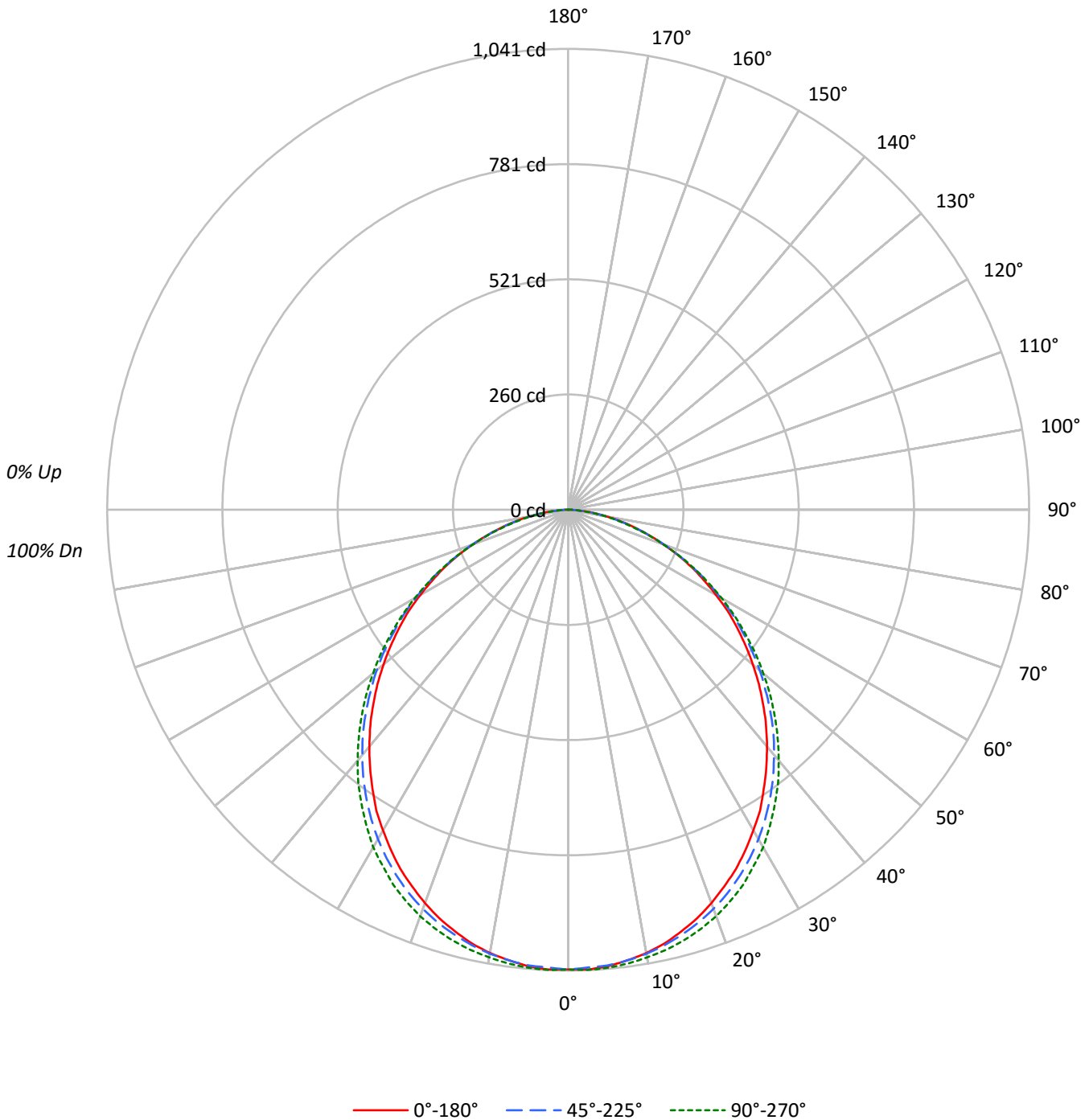
Input Watts (W): 22.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	1398	1398	1398
5°	1398	1395	1403
10°	1389	1392	1403
15°	1374	1384	1403
20°	1354	1374	1399
25°	1330	1358	1388
30°	1299	1335	1368
35°	1265	1306	1336
40°	1227	1270	1299
45°	1185	1229	1255
50°	1140	1182	1204
55°	1092	1127	1144
60°	1037	1065	1077
65°	978	993	999
70°	898	908	898
75°	808	804	780
80°	684	677	656
85°	511	497	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	3.6
10°-20°	280.9	10.3
20°-30°	421.2	15.4
30°-40°	496.1	18.2
40°-50°	496.2	18.2
50°-60°	428.1	15.7
60°-70°	308.0	11.3
70°-80°	163.4	6.0
80°-90°	39.0	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°	800.5	29.3
0°-40°	1296.6	47.5
0°-60°	2220.9	81.3
0°-90°	2731.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2731.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1035	1034	1033	1037	1039	98
15°	986	989	994	1004	1008	278
25°	896	902	914	930	935	412
35°	770	779	795	809	813	482
45°	623	631	646	657	660	480
55°	466	470	480	489	488	417
65°	307	308	312	314	314	304
75°	156	154	155	151	150	165
85°	33	33	32	29	28	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1038.7	1038.7	1038.7	1038.7	1038.7
2.5°	1039.7	1037.8	1035.1	1038.7	1040.6
5°	1035.1	1034.1	1033.2	1036.9	1038.7
7.5°	1026.8	1027.7	1026.8	1032.3	1034.1
10°	1016.7	1017.6	1018.5	1024.9	1026.8
12.5°	1003.8	1004.7	1007.5	1015.7	1018.5
15°	986.3	989.1	993.7	1003.8	1007.5
17.5°	967.9	971.6	978.0	990.0	993.7
20°	945.8	950.4	959.6	972.5	977.1
22.5°	921.0	925.6	938.5	952.3	956.9
25°	896.1	901.7	914.5	930.2	934.8
27.5°	866.7	874.1	887.9	903.5	907.2
30°	836.3	842.8	859.3	874.1	880.5
32.5°	806.0	812.4	828.1	842.8	847.4
35°	770.1	779.3	794.9	808.7	813.3
37.5°	735.1	743.4	760.0	773.8	778.4
40°	698.3	705.7	723.2	736.0	739.7
42.5°	661.5	668.9	686.4	696.5	700.2
45°	622.9	631.2	645.9	656.9	659.7
47.5°	584.2	590.7	604.5	614.6	618.3
50°	544.7	551.1	564.9	573.2	575.0
52.5°	505.1	509.7	522.6	530.0	532.7
55°	465.6	470.2	480.3	488.6	487.6
57.5°	427.8	429.7	439.8	445.3	445.3
60°	385.5	387.3	395.6	399.3	400.2
62.5°	345.9	348.7	355.1	356.1	356.1
65°	307.3	308.2	311.9	313.7	313.7
67.5°	268.7	267.7	271.4	271.4	270.5
70°	228.2	230.0	230.9	229.1	228.2
72.5°	191.4	190.5	190.5	189.5	189.5
75°	155.5	153.6	154.6	150.9	150.0
77.5°	122.4	119.6	118.7	116.8	115.0
80°	88.3	88.3	87.4	85.6	84.6
82.5°	58.9	58.9	58.0	56.1	54.3
85°	33.1	33.1	32.2	29.4	28.5
87.5°	11.0	11.0	11.0	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)