

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: P257532

Luminaire Tested: **D3X-WO-31L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-31L935-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2729.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

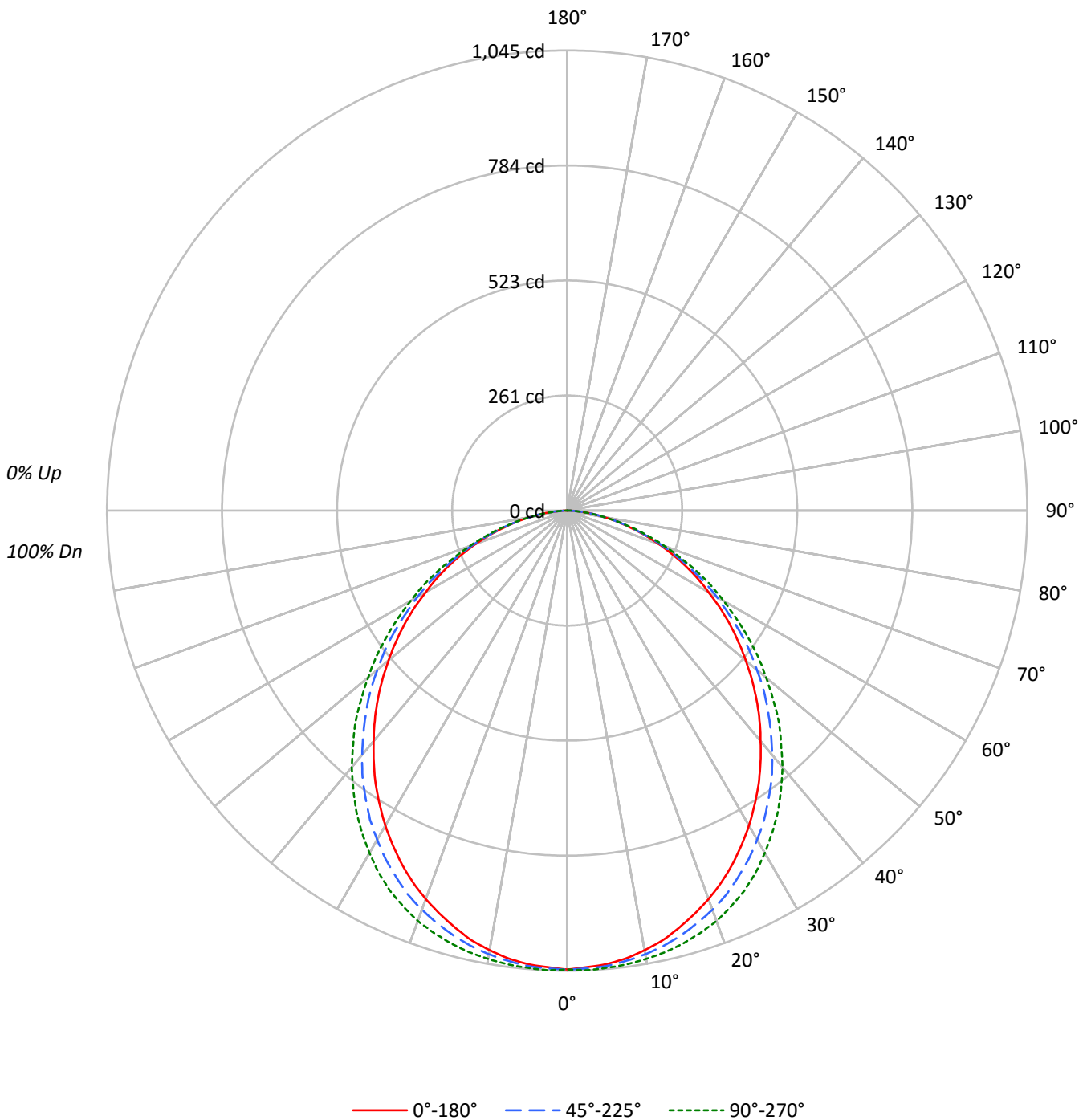
Input Watts (W): 26.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

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

	0°	45°	90°
0°	2805	2805	2805
5°	2793	2804	2815
10°	2770	2796	2825
15°	2733	2782	2835
20°	2689	2763	2840
25°	2635	2727	2828
30°	2567	2681	2791
35°	2491	2620	2741
40°	2401	2544	2673
45°	2316	2456	2590
50°	2218	2355	2469
55°	2116	2244	2352
60°	1996	2113	2209
65°	1886	1955	2050
70°	1732	1785	1850
75°	1540	1582	1625
80°	1327	1305	1305
85°	1007	923	840



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	3.6
10°-20°	281.8	10.3
20°-30°	423.1	15.5
30°-40°	497.9	18.2
40°-50°	496.7	18.2
50°-60°	426.2	15.6
60°-70°	305.3	11.2
70°-80°	161.7	5.9
80°-90°	37.8	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°	803.5	29.4
0°-40°	1301.4	47.7
0°-60°	2224.3	81.5
0°-90°	2729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1034	1034	1038	1041	1042	98
15°	981	985	999	1012	1018	277
25°	887	895	918	942	952	408
35°	758	768	798	825	834	474
45°	609	618	645	668	681	469
55°	451	458	478	495	501	403
65°	296	298	307	319	322	293
75°	148	148	152	155	156	159
85°	33	31	30	27	27	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1042.2	1042.2	1042.2	1042.2	1042.2
2.5°	1038.1	1038.1	1040.8	1043.5	1044.9
5°	1034.0	1034.0	1038.1	1040.8	1042.2
7.5°	1025.9	1025.9	1031.3	1036.7	1039.5
10°	1013.7	1016.4	1023.2	1031.3	1034.0
12.5°	1000.1	1002.8	1012.3	1023.2	1027.2
15°	981.0	985.1	998.7	1012.3	1017.7
17.5°	960.7	966.1	982.4	998.7	1005.5
20°	938.9	944.4	964.7	983.8	991.9
22.5°	914.5	921.3	944.4	964.7	972.9
25°	887.3	895.4	918.5	941.6	952.5
27.5°	857.4	866.9	892.7	917.2	926.7
30°	826.1	837.0	862.8	888.6	898.2
32.5°	792.2	801.7	832.9	857.4	866.9
35°	758.2	767.7	797.6	824.8	834.3
37.5°	721.5	733.7	763.6	788.1	797.6
40°	683.5	695.7	724.2	752.8	760.9
42.5°	646.8	657.6	684.8	710.6	718.8
45°	608.7	618.2	645.4	668.5	680.7
47.5°	569.3	578.8	606.0	627.8	634.6
50°	529.9	539.4	562.5	581.6	589.7
52.5°	490.5	500.0	521.8	539.4	547.6
55°	451.1	457.9	478.3	494.6	501.4
57.5°	411.7	417.1	433.5	451.1	455.2
60°	370.9	377.7	392.7	404.9	410.4
62.5°	334.3	337.0	350.6	361.4	368.2
65°	296.2	297.6	307.1	319.3	322.0
67.5°	256.8	258.2	267.7	274.5	277.2
70°	220.1	220.1	226.9	232.4	235.1
72.5°	184.8	183.4	187.5	192.9	195.7
75°	148.1	148.1	152.2	154.9	156.3
77.5°	116.9	114.1	116.9	119.6	119.6
80°	85.6	84.2	84.2	85.6	84.2
82.5°	58.4	57.1	58.4	55.7	54.4
85°	32.6	31.3	29.9	27.2	27.2
87.5°	10.9	9.5	9.5	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)