

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: P257308

Luminaire Tested: **D3X-WD-23L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257308  
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-23L930-LD5-UNV-14-T1-STD  
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (112) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1937.1 lumens  
Efficiency: N/A  
Efficacy: 87.3 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

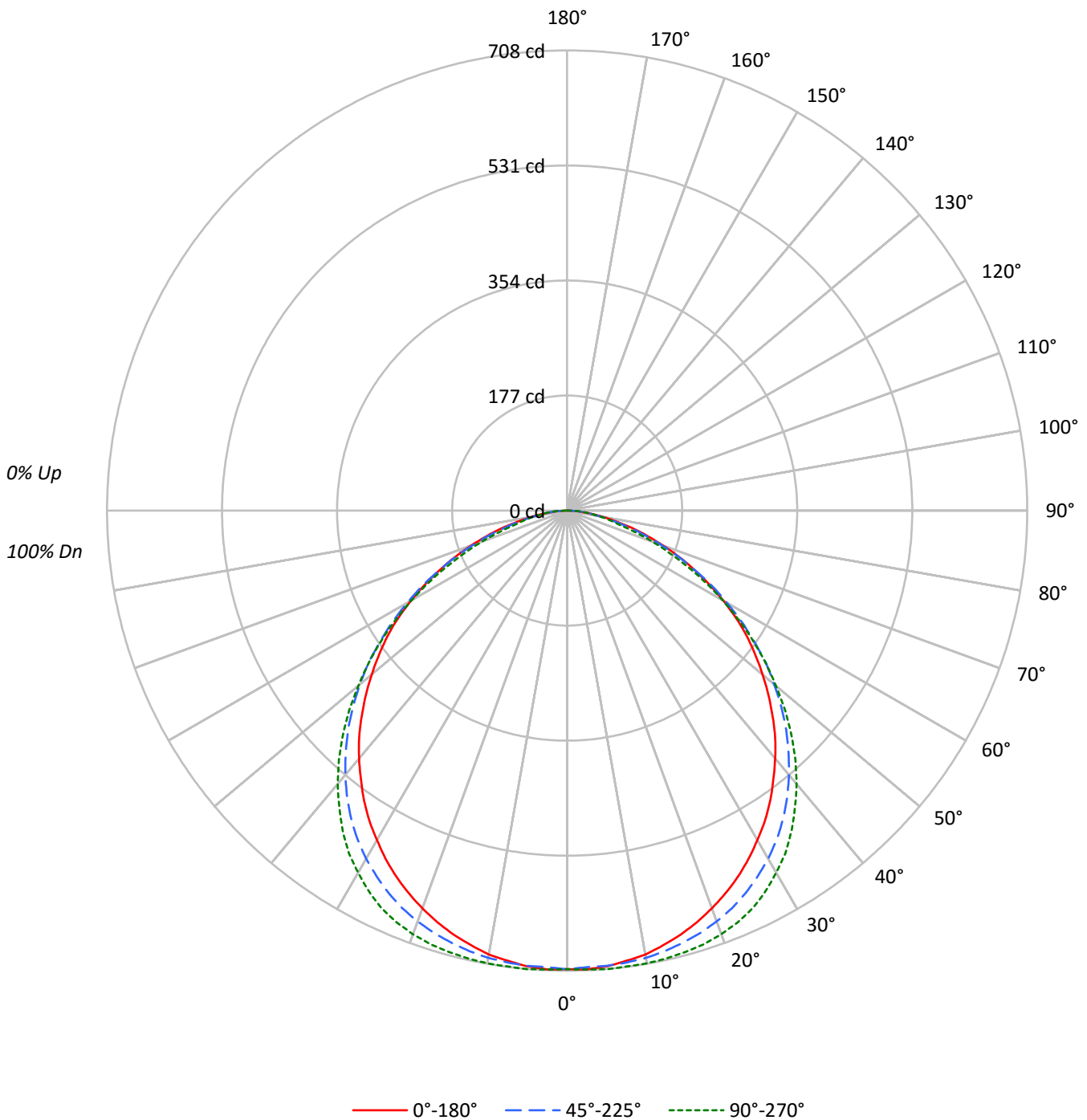
Input Watts (W): 22.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1899	1899	1899
5°	1901	1899	1913
10°	1895	1909	1933
15°	1881	1918	1958
20°	1865	1926	1986
25°	1846	1928	2005
30°	1819	1921	1999
35°	1790	1903	1977
40°	1750	1865	1929
45°	1701	1813	1856
50°	1644	1741	1756
55°	1586	1647	1639
60°	1494	1526	1489
65°	1377	1382	1305
70°	1231	1205	1095
75°	1070	998	845
80°	857	778	778
85°	614	719	747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.1	3.5
10°-20°	194.8	10.1
20°-30°	299.1	15.4
30°-40°	360.2	18.6
40°-50°	364.0	18.8
50°-60°	310.5	16.0
60°-70°	212.5	11.0
70°-80°	102.6	5.3
80°-90°	26.4	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°	561.0	29.0
0°-40°	921.1	47.6
0°-60°	1595.6	82.4
0°-90°	1937.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1937.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	704	704	703	707	708	67
15°	675	680	688	700	703	190
25°	622	631	649	668	675	286
35°	545	557	579	598	602	340
45°	447	459	476	488	488	345
55°	338	344	351	353	349	301
65°	216	219	217	209	205	214
75°	103	103	96	85	81	109
85°	20	22	23	24	24	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	705.6	705.6	705.6	705.6	705.6
2.5°	706.5	705.6	703.0	706.5	706.5
5°	703.9	703.9	703.0	707.3	708.2
7.5°	698.7	700.4	701.3	706.5	707.3
10°	693.5	695.2	698.7	705.6	707.3
12.5°	684.8	688.3	694.3	703.9	705.6
15°	675.3	680.5	688.3	700.4	703.0
17.5°	664.1	671.0	681.4	695.2	699.5
20°	651.1	658.9	672.7	688.3	693.5
22.5°	637.3	645.9	662.4	680.5	685.7
25°	621.7	631.2	649.4	668.4	675.3
27.5°	604.4	614.8	634.7	654.6	660.6
30°	585.4	596.6	618.3	638.1	643.3
32.5°	566.4	577.6	600.1	619.1	625.2
35°	544.8	556.9	579.3	597.5	601.8
37.5°	521.4	533.5	556.0	574.2	575.9
40°	498.1	510.2	530.9	547.3	549.1
42.5°	473.9	485.1	504.1	518.0	519.7
45°	447.0	459.2	476.4	487.7	487.7
47.5°	420.2	432.3	447.0	454.8	454.8
50°	392.6	403.8	415.9	420.2	419.4
52.5°	364.9	375.3	385.7	386.5	384.8
55°	338.1	344.1	351.1	352.8	349.3
57.5°	308.7	313.9	318.2	315.6	313.0
60°	277.6	282.8	283.6	279.3	276.7
62.5°	247.3	251.6	251.6	244.7	240.4
65°	216.2	218.8	217.0	209.3	204.9
67.5°	186.8	188.5	185.0	177.3	170.3
70°	156.5	157.4	153.1	143.5	139.2
72.5°	128.8	129.7	124.5	113.3	108.1
75°	102.9	102.9	96.0	84.7	81.3
77.5°	77.0	79.6	71.8	65.7	65.7
80°	55.3	57.9	50.2	51.0	50.2
82.5°	36.3	38.9	36.3	36.3	36.3
85°	19.9	21.6	23.3	24.2	24.2
87.5°	6.1	10.4	11.2	12.1	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)