

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: P257286

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-31L935-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2525.2 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

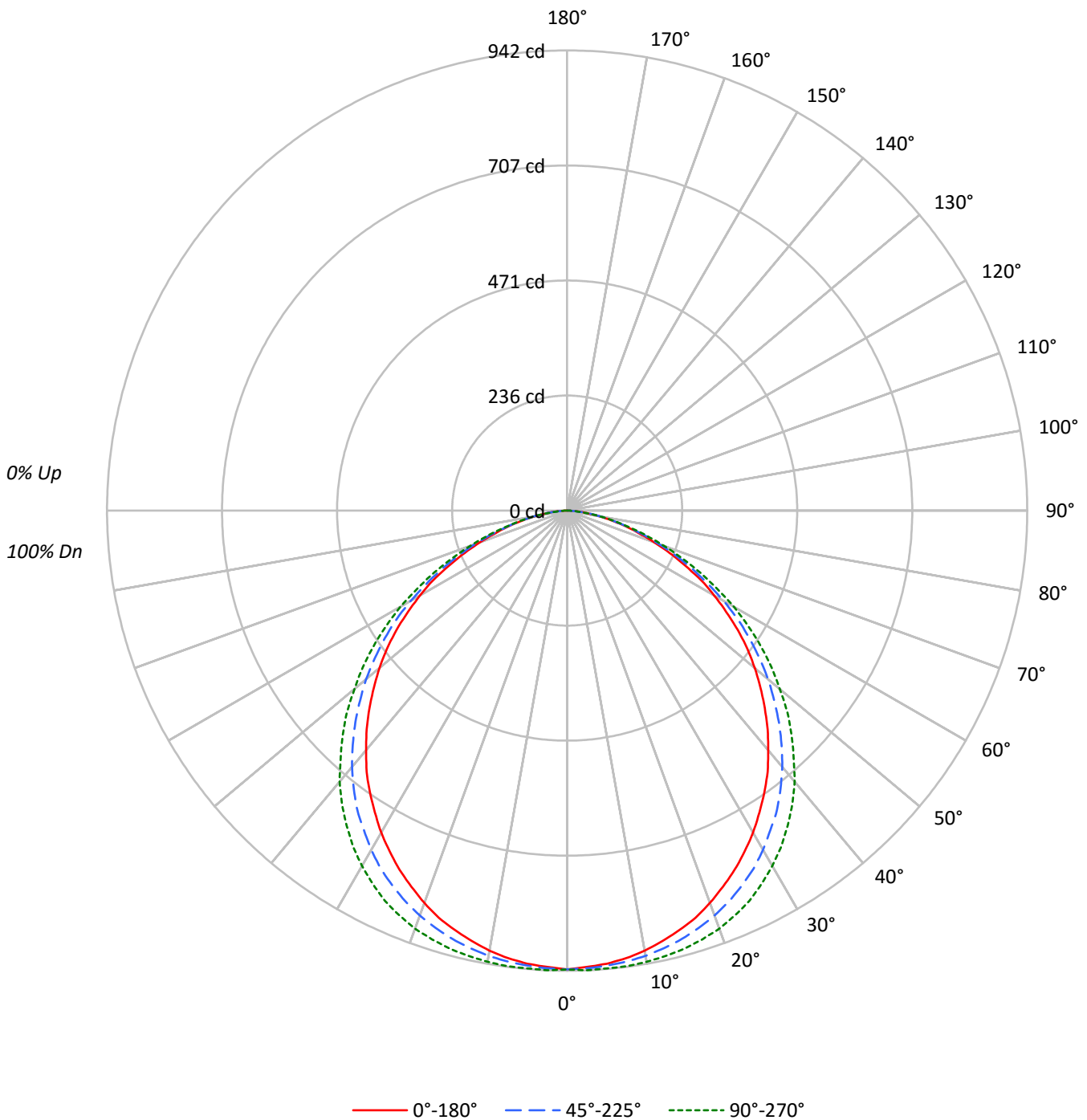
Input Watts (W): 26.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	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°	2527	2527	2527
5°	2515	2526	2541
10°	2499	2529	2563
15°	2476	2529	2586
20°	2448	2526	2608
25°	2409	2514	2619
30°	2365	2492	2610
35°	2313	2460	2585
40°	2249	2406	2545
45°	2178	2333	2473
50°	2099	2248	2378
55°	2002	2136	2270
60°	1873	1990	2122
65°	1696	1800	1913
70°	1497	1572	1658
75°	1286	1314	1370
80°	1032	1054	1074
85°	756	670	670



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	3.5
10°-20°	256.4	10.2
20°-30°	390.0	15.4
30°-40°	466.6	18.5
40°-50°	471.7	18.7
50°-60°	405.9	16.1
60°-70°	280.3	11.1
70°-80°	135.9	5.4
80°-90°	29.5	1.2
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°	735.4	29.1
0°-40°	1201.9	47.6
0°-60°	2079.5	82.4
0°-90°	2525.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2525.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	939	939	939	939	939	
5°	931	932	935	939	941	88
15°	889	894	908	922	928	251
25°	811	821	847	873	882	374
35°	704	716	749	776	787	440
45°	572	583	613	639	650	441
55°	427	434	455	476	484	380
65°	266	270	283	295	300	265
75°	124	121	126	130	132	131
85°	24	24	22	22	22	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	939.2	939.2	939.2	939.2	939.2
2.5°	935.1	935.1	937.8	940.6	941.9
5°	931.1	932.4	935.1	939.2	940.6
7.5°	924.3	925.6	931.1	937.8	940.6
10°	914.7	917.5	925.6	933.8	937.8
12.5°	902.5	907.9	917.5	928.3	933.8
15°	888.9	894.4	907.9	921.5	928.3
17.5°	874.0	879.4	895.7	913.4	920.2
20°	854.9	863.1	882.1	902.5	910.7
22.5°	833.2	844.1	865.8	887.6	897.1
25°	811.4	821.0	846.8	872.6	882.1
27.5°	787.0	797.9	826.4	852.2	861.7
30°	761.2	772.0	801.9	830.5	840.0
32.5°	732.6	746.2	774.7	804.6	815.5
35°	704.1	716.3	748.9	776.1	787.0
37.5°	674.2	685.0	717.7	746.2	757.1
40°	640.2	652.4	685.0	713.6	724.5
42.5°	607.6	619.8	649.7	676.9	686.4
45°	572.2	583.1	613.0	638.8	649.7
47.5°	536.9	549.1	574.9	600.8	611.6
50°	501.5	511.1	536.9	561.4	568.1
52.5°	464.8	473.0	496.1	517.9	527.4
55°	426.8	433.6	455.3	475.7	483.9
57.5°	386.0	394.2	414.6	429.5	439.0
60°	348.0	352.0	369.7	384.7	394.2
62.5°	309.9	311.3	324.8	339.8	345.2
65°	266.4	270.5	282.7	294.9	300.4
67.5°	227.0	231.1	240.6	250.1	254.2
70°	190.3	190.3	199.8	206.6	210.7
72.5°	153.6	154.9	161.7	165.8	169.9
75°	123.7	121.0	126.4	130.5	131.8
77.5°	92.4	91.1	95.1	96.5	99.2
80°	66.6	66.6	68.0	69.3	69.3
82.5°	43.5	43.5	44.9	42.1	40.8
85°	24.5	24.5	21.7	21.7	21.7
87.5°	8.2	8.2	8.2	9.5	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)