

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: P257531

Luminaire Tested: **D3X-WO-31L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257531  
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-31L930-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2630.0 lumens  
Efficiency: N/A  
Efficacy: 98.9 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

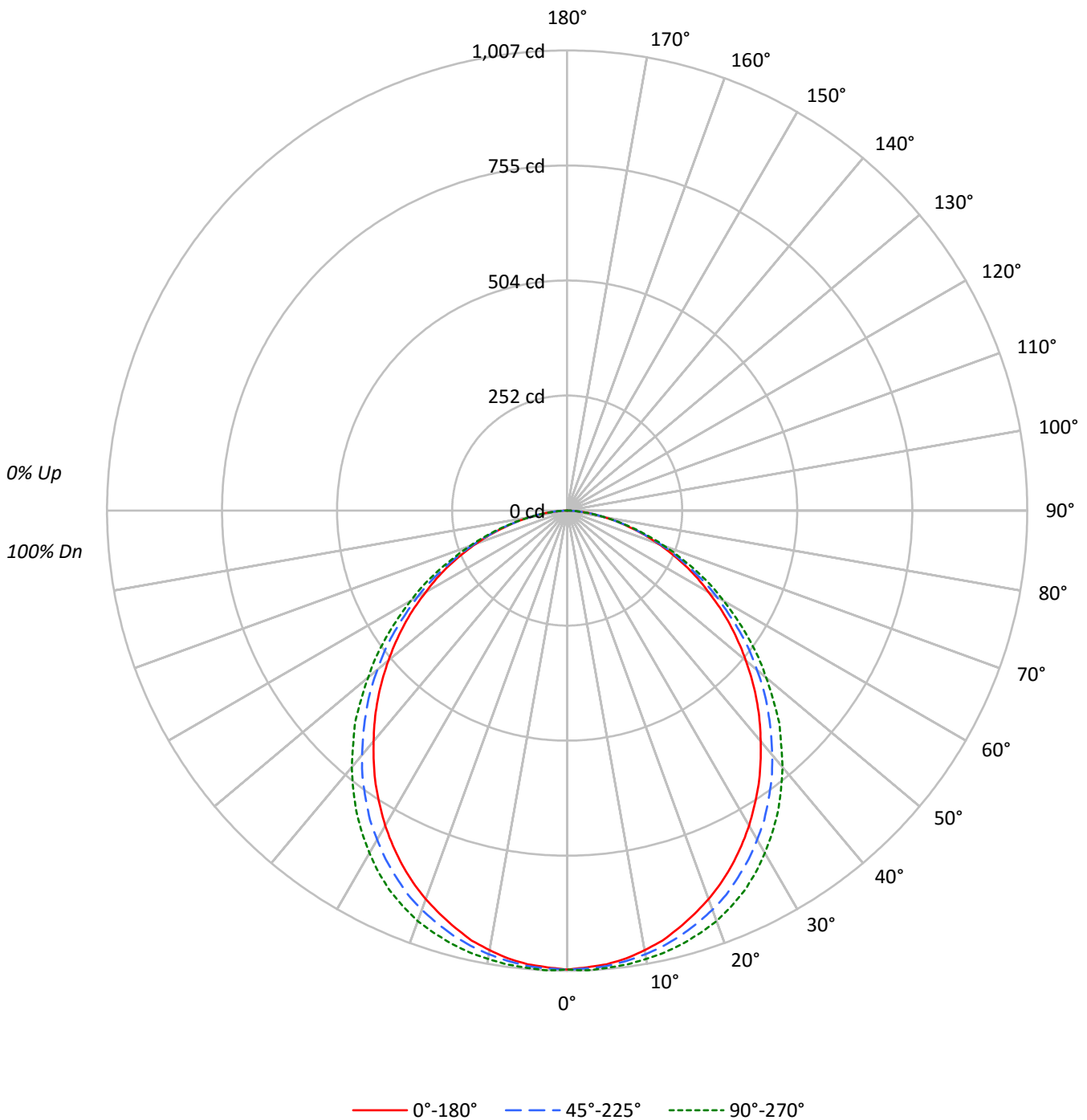
Input Watts (W): 26.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2703	2703	2703
5°	2692	2702	2713
10°	2669	2694	2723
15°	2634	2681	2732
20°	2591	2662	2737
25°	2539	2628	2725
30°	2474	2584	2690
35°	2400	2525	2641
40°	2314	2452	2576
45°	2232	2367	2497
50°	2138	2269	2379
55°	2039	2162	2267
60°	1924	2037	2129
65°	1818	1884	1976
70°	1669	1721	1782
75°	1484	1525	1566
80°	1278	1258	1258
85°	969	889	809



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.0	3.6
10°-20°	271.6	10.3
20°-30°	407.7	15.5
30°-40°	479.9	18.2
40°-50°	478.7	18.2
50°-60°	410.7	15.6
60°-70°	294.2	11.2
70°-80°	155.8	5.9
80°-90°	36.4	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°	774.3	29.4
0°-40°	1254.2	47.7
0°-60°	2143.6	81.5
0°-90°	2630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2630.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	996	996	1000	1003	1004	95
15°	945	949	962	976	981	267
25°	855	863	885	908	918	393
35°	731	740	769	795	804	456
45°	587	596	622	644	656	452
55°	435	441	461	477	483	389
65°	286	287	296	308	310	282
75°	143	143	147	149	151	153
85°	31	30	29	26	26	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	1000.4	1000.4	1003.1	1005.7	1007.0
5°	996.5	996.5	1000.4	1003.1	1004.4
7.5°	988.7	988.7	993.9	999.1	1001.8
10°	976.9	979.5	986.0	993.9	996.5
12.5°	963.8	966.4	975.6	986.0	990.0
15°	945.4	949.4	962.5	975.6	980.8
17.5°	925.8	931.0	946.8	962.5	969.0
20°	904.9	910.1	929.7	948.1	955.9
22.5°	881.3	887.8	910.1	929.7	937.6
25°	855.1	863.0	885.2	907.5	917.9
27.5°	826.3	835.5	860.3	883.9	893.1
30°	796.2	806.6	831.5	856.4	865.6
32.5°	763.4	772.6	802.7	826.3	835.5
35°	730.7	739.9	768.7	794.9	804.0
37.5°	695.3	707.1	735.9	759.5	768.7
40°	658.7	670.5	698.0	725.5	733.3
42.5°	623.3	633.8	660.0	684.9	692.7
45°	586.6	595.8	622.0	644.3	656.1
47.5°	548.7	557.8	584.0	605.0	611.5
50°	510.7	519.9	542.1	560.5	568.3
52.5°	472.7	481.9	502.8	519.9	527.7
55°	434.7	441.3	460.9	476.7	483.2
57.5°	396.8	402.0	417.7	434.7	438.7
60°	357.5	364.0	378.4	390.2	395.5
62.5°	322.1	324.8	337.8	348.3	354.9
65°	285.5	286.8	295.9	307.7	310.3
67.5°	247.5	248.8	258.0	264.5	267.1
70°	212.1	212.1	218.7	223.9	226.5
72.5°	178.1	176.8	180.7	185.9	188.6
75°	142.7	142.7	146.7	149.3	150.6
77.5°	112.6	110.0	112.6	115.2	115.2
80°	82.5	81.2	81.2	82.5	81.2
82.5°	56.3	55.0	56.3	53.7	52.4
85°	31.4	30.1	28.8	26.2	26.2
87.5°	10.5	9.2	9.2	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)