

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: P257326

Luminaire Tested: **D3X-WD-35L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257326  
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-35L930-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: 2926.9 lumens  
Efficiency: N/A  
Efficacy: 82.2 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

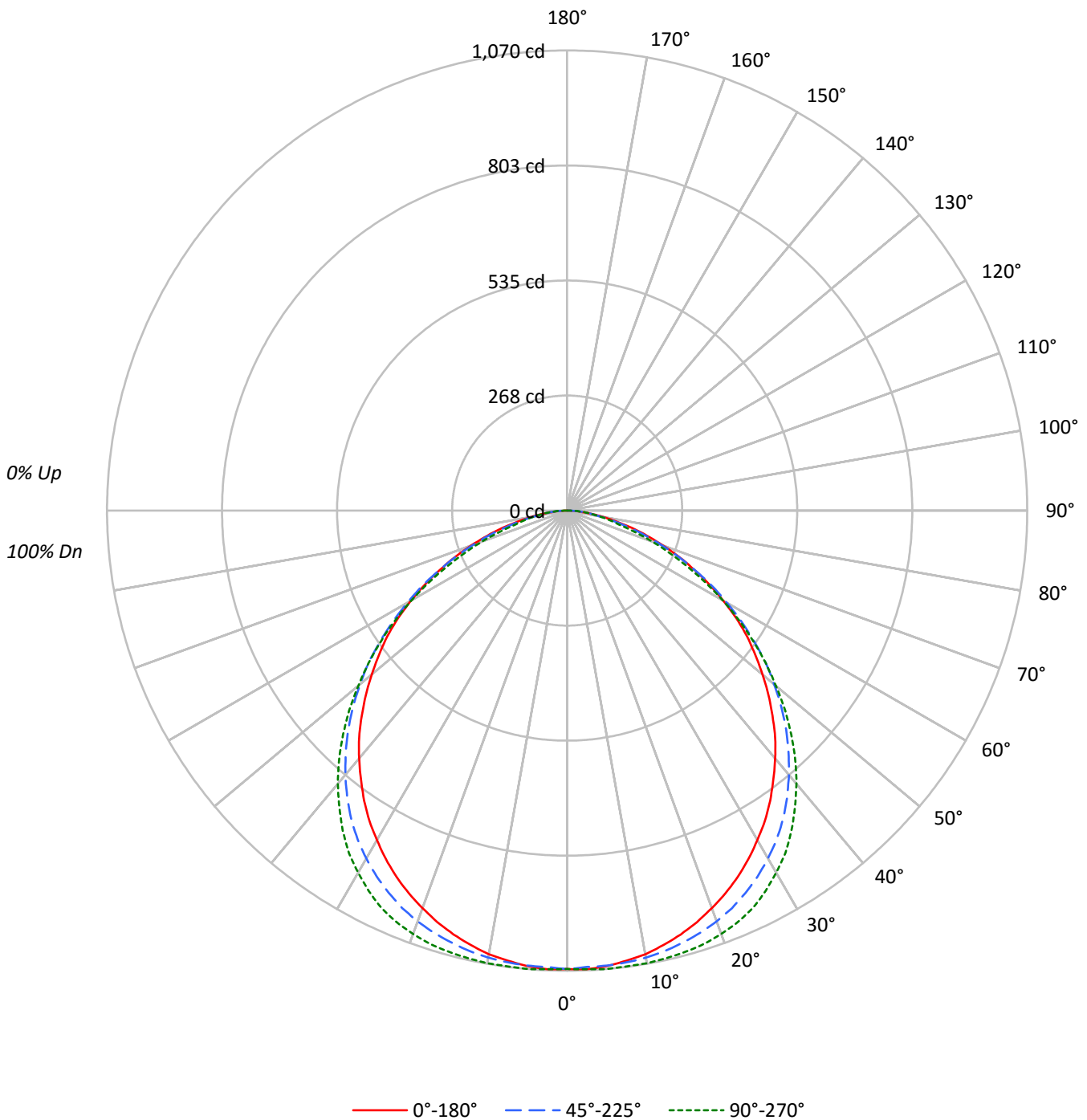
Input Watts (W): 35.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2869	2869	2869
5°	2873	2869	2890
10°	2863	2885	2920
15°	2843	2897	2959
20°	2817	2911	3001
25°	2789	2913	3030
30°	2748	2903	3020
35°	2704	2876	2987
40°	2644	2818	2914
45°	2571	2740	2804
50°	2483	2631	2653
55°	2396	2488	2476
60°	2257	2306	2250
65°	2080	2088	1971
70°	1861	1820	1655
75°	1617	1508	1277
80°	1296	1175	1175
85°	926	1090	1130



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.4	3.5
10°-20°	294.3	10.1
20°-30°	451.9	15.4
30°-40°	544.2	18.6
40°-50°	550.0	18.8
50°-60°	469.1	16.0
60°-70°	321.1	11.0
70°-80°	155.0	5.3
80°-90°	40.0	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°	847.6	29.0
0°-40°	1391.8	47.6
0°-60°	2410.9	82.4
0°-90°	2926.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1066	1066	1066	1066	1066	
5°	1064	1064	1062	1069	1070	101
15°	1020	1028	1040	1058	1062	288
25°	939	954	981	1010	1020	433
35°	823	841	875	903	909	514
45°	676	694	720	737	737	521
55°	511	520	530	533	528	455
65°	327	330	328	316	310	324
75°	156	156	145	128	123	165
85°	30	33	35	37	37	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1066.1	1066.1	1066.1	1066.1	1066.1
2.5°	1067.4	1066.1	1062.2	1067.4	1067.4
5°	1063.5	1063.5	1062.2	1068.7	1070.0
7.5°	1055.7	1058.3	1059.6	1067.4	1068.7
10°	1047.8	1050.4	1055.7	1066.1	1068.7
12.5°	1034.8	1040.0	1049.1	1063.5	1066.1
15°	1020.4	1028.2	1040.0	1058.3	1062.2
17.5°	1003.4	1013.9	1029.5	1050.4	1057.0
20°	983.8	995.6	1016.5	1040.0	1047.8
22.5°	962.9	976.0	1000.8	1028.2	1036.1
25°	939.4	953.8	981.2	1009.9	1020.4
27.5°	913.3	928.9	959.0	989.0	998.2
30°	884.5	901.5	934.2	964.2	972.0
32.5°	855.8	872.8	906.7	935.5	944.6
35°	823.1	841.4	875.4	902.8	909.3
37.5°	787.8	806.1	840.1	867.5	870.1
40°	752.6	770.8	802.2	827.0	829.6
42.5°	716.0	733.0	761.7	782.6	785.2
45°	675.5	693.8	719.9	736.9	736.9
47.5°	635.0	653.3	675.5	687.2	687.2
50°	593.2	610.1	628.4	635.0	633.7
52.5°	551.3	567.0	582.7	584.0	581.4
55°	510.8	520.0	530.4	533.1	527.8
57.5°	466.4	474.3	480.8	476.9	473.0
60°	419.4	427.2	428.5	422.0	418.1
62.5°	373.7	380.2	380.2	369.7	363.2
65°	326.6	330.5	327.9	316.2	309.6
67.5°	282.2	284.8	279.6	267.8	257.4
70°	236.5	237.8	231.3	216.9	210.3
72.5°	194.7	196.0	188.1	171.2	163.3
75°	155.5	155.5	145.0	128.0	122.8
77.5°	116.3	120.2	108.4	99.3	99.3
80°	83.6	87.5	75.8	77.1	75.8
82.5°	54.9	58.8	54.9	54.9	54.9
85°	30.0	32.7	35.3	36.6	36.6
87.5°	9.1	15.7	17.0	18.3	20.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)