

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: P257414

Luminaire Tested: **D3X-WG-35L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L930-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2782.9 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

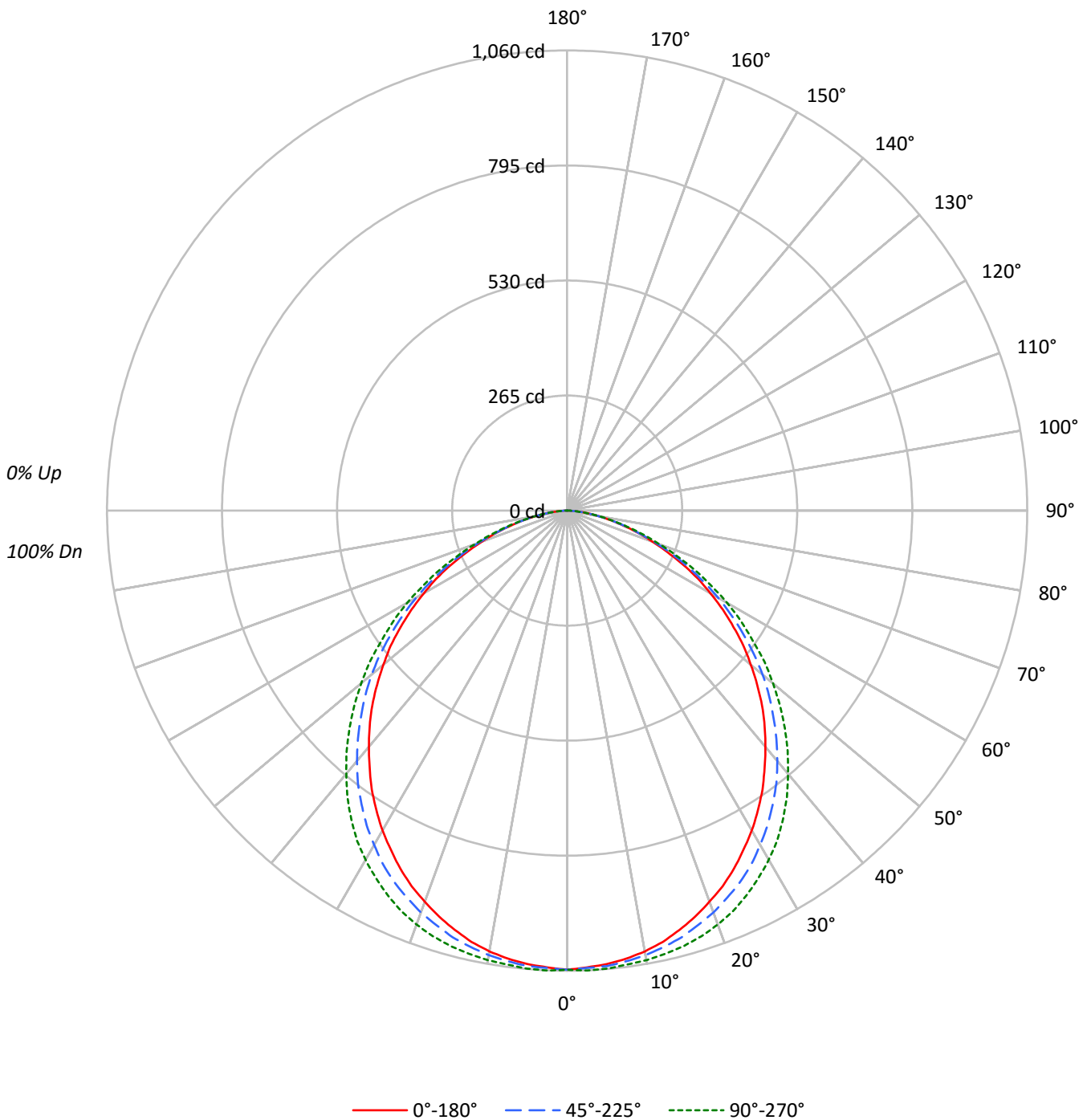
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	2846	2846	2846
5°	2833	2845	2861
10°	2817	2841	2873
15°	2786	2835	2893
20°	2745	2821	2906
25°	2701	2802	2903
30°	2644	2763	2887
35°	2576	2712	2848
40°	2496	2646	2781
45°	2417	2557	2698
50°	2313	2461	2591
55°	2197	2321	2446
60°	2051	2162	2289
65°	1871	1956	2069
70°	1639	1708	1778
75°	1397	1429	1490
80°	1122	1145	1167
85°	821	775	729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.1	3.6
10°-20°	287.3	10.3
20°-30°	434.3	15.6
30°-40°	515.9	18.5
40°-50°	517.9	18.6
50°-60°	442.4	15.9
60°-70°	304.8	11.0
70°-80°	147.8	5.3
80°-90°	32.3	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°	821.7	29.5
0°-40°	1337.6	48.1
0°-60°	2297.9	82.6
0°-90°	2782.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2782.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1049	1049	1053	1056	1059	100
15°	1000	1004	1018	1031	1038	282
25°	910	917	944	969	978	419
35°	784	796	826	857	867	490
45°	635	644	672	700	709	489
55°	468	476	495	516	521	419
65°	294	294	307	320	325	291
75°	134	132	137	140	143	144
85°	27	27	25	24	24	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1057.6	1057.6	1057.6	1057.6	1057.6
2.5°	1053.1	1053.1	1054.6	1059.0	1060.5
5°	1048.7	1048.7	1053.1	1056.1	1059.0
7.5°	1041.3	1042.8	1047.2	1053.1	1054.6
10°	1031.0	1032.4	1039.8	1047.2	1051.6
12.5°	1017.7	1020.6	1029.5	1041.3	1045.7
15°	999.9	1004.4	1017.7	1031.0	1038.3
17.5°	980.7	986.7	1001.4	1020.6	1028.0
20°	958.6	966.0	985.2	1005.9	1014.7
22.5°	936.4	942.3	964.5	988.1	998.5
25°	909.8	917.2	943.8	968.9	977.8
27.5°	880.3	890.6	918.7	945.3	954.2
30°	850.8	859.6	889.2	918.7	929.0
32.5°	818.3	827.1	859.6	889.2	901.0
35°	784.3	796.1	825.7	856.7	867.0
37.5°	747.4	760.7	791.7	818.3	831.6
40°	710.4	722.3	753.3	781.3	791.7
42.5°	673.5	683.9	713.4	742.9	751.8
45°	635.1	644.0	672.0	700.1	709.0
47.5°	593.8	604.1	630.7	654.3	664.7
50°	552.4	562.7	587.9	610.0	618.9
52.5°	512.5	518.4	542.1	562.7	573.1
55°	468.2	475.6	494.8	515.5	521.4
57.5°	425.4	429.8	449.0	466.7	475.6
60°	381.1	384.0	401.8	415.0	425.4
62.5°	339.7	339.7	353.0	367.8	373.7
65°	293.9	293.9	307.2	320.5	324.9
67.5°	249.6	252.6	261.4	271.8	274.7
70°	208.3	208.3	217.1	224.5	226.0
72.5°	171.3	169.9	174.3	180.2	183.2
75°	134.4	131.5	137.4	140.3	143.3
77.5°	101.9	100.4	103.4	106.3	106.3
80°	72.4	70.9	73.9	73.9	75.3
82.5°	47.3	48.7	48.7	47.3	45.8
85°	26.6	26.6	25.1	23.6	23.6
87.5°	8.9	8.9	8.9	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)