

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: P257291

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257291  
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-35L930-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF  
Light Source: (126) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2744.4 lumens  
Efficiency: N/A  
Efficacy: 89.7 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

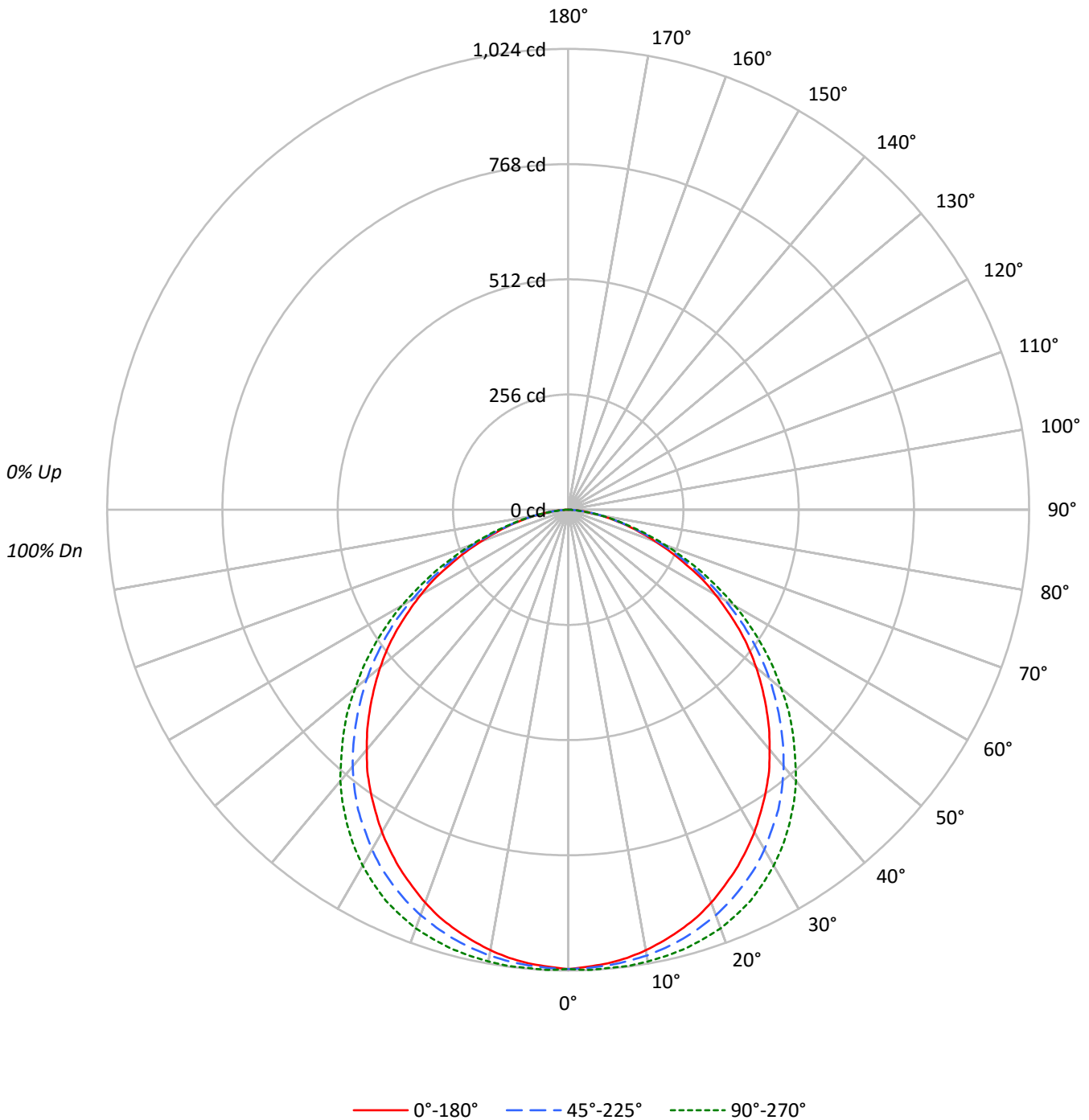
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2747	2747	2747
5°	2733	2745	2761
10°	2717	2749	2785
15°	2691	2749	2811
20°	2661	2745	2834
25°	2619	2733	2847
30°	2571	2708	2837
35°	2514	2674	2810
40°	2444	2615	2766
45°	2367	2535	2687
50°	2282	2443	2585
55°	2176	2322	2467
60°	2035	2162	2306
65°	1843	1957	2079
70°	1627	1709	1802
75°	1397	1429	1490
80°	1122	1145	1167
85°	821	729	729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.7	3.5
10°-20°	278.7	10.2
20°-30°	423.8	15.4
30°-40°	507.1	18.5
40°-50°	512.6	18.7
50°-60°	441.2	16.1
60°-70°	304.6	11.1
70°-80°	147.7	5.4
80°-90°	32.0	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°	799.2	29.1
0°-40°	1306.3	47.6
0°-60°	2260.1	82.4
0°-90°	2744.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2744.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1012	1013	1016	1021	1022	96
15°	966	972	987	1002	1009	273
25°	882	892	920	948	959	406
35°	765	778	814	844	855	478
45°	622	634	666	694	706	480
55°	464	471	495	517	526	414
65°	290	294	307	321	326	288
75°	134	132	137	142	143	143
85°	27	27	24	24	24	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1020.8	1020.8	1020.8	1020.8	1020.8
2.5°	1016.3	1016.3	1019.3	1022.3	1023.7
5°	1011.9	1013.4	1016.3	1020.8	1022.3
7.5°	1004.5	1006.0	1011.9	1019.3	1022.3
10°	994.2	997.1	1006.0	1014.9	1019.3
12.5°	980.9	986.8	997.1	1009.0	1014.9
15°	966.1	972.0	986.8	1001.6	1009.0
17.5°	949.9	955.8	973.5	992.7	1000.1
20°	929.2	938.0	958.7	980.9	989.8
22.5°	905.6	917.4	941.0	964.6	975.0
25°	881.9	892.3	920.3	948.4	958.7
27.5°	855.3	867.1	898.2	926.2	936.6
30°	827.3	839.1	871.6	902.6	912.9
32.5°	796.2	811.0	842.0	874.5	886.3
35°	765.2	778.5	814.0	843.5	855.3
37.5°	732.7	744.5	780.0	811.0	822.8
40°	695.8	709.1	744.5	775.6	787.4
42.5°	660.3	673.6	706.1	735.7	746.0
45°	621.9	633.7	666.2	694.3	706.1
47.5°	583.5	596.8	624.9	652.9	664.8
50°	545.1	555.4	583.5	610.1	617.5
52.5°	505.2	514.1	539.2	562.8	573.2
55°	463.9	471.2	494.9	517.0	525.9
57.5°	419.5	428.4	450.6	466.8	477.1
60°	378.2	382.6	401.8	418.1	428.4
62.5°	336.8	338.3	353.1	369.3	375.2
65°	289.5	294.0	307.3	320.6	326.5
67.5°	246.7	251.1	261.5	271.8	276.2
70°	206.8	206.8	217.2	224.5	229.0
72.5°	166.9	168.4	175.8	180.2	184.7
75°	134.4	131.5	137.4	141.8	143.3
77.5°	100.5	99.0	103.4	104.9	107.8
80°	72.4	72.4	73.9	75.3	75.3
82.5°	47.3	47.3	48.7	45.8	44.3
85°	26.6	26.6	23.6	23.6	23.6
87.5°	8.9	8.9	8.9	10.3	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)