

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: P258404

Luminaire Tested: **D3X-WD-67L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258404  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-67L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5311.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

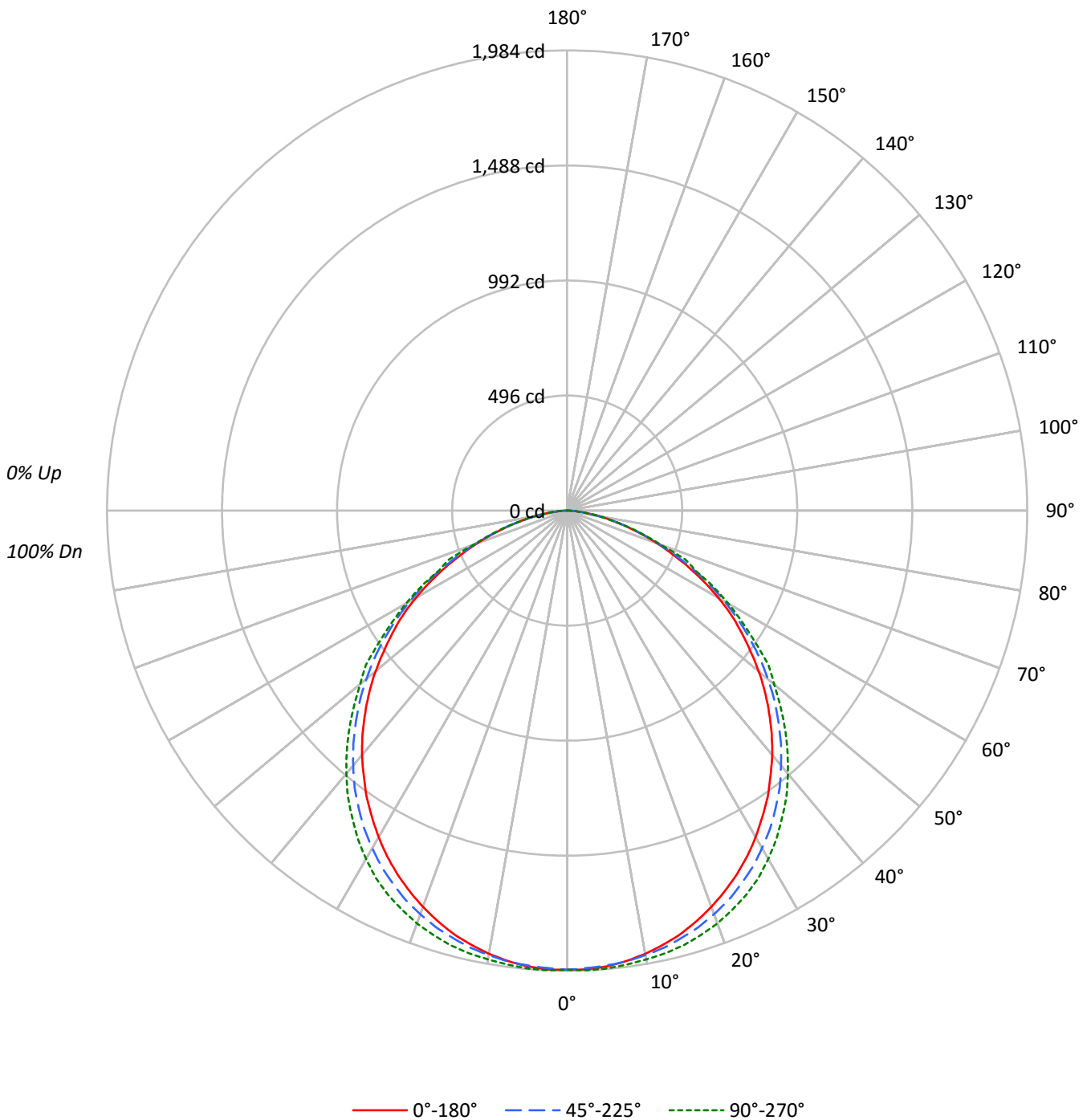
Input Watts (W): 53.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	94	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	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	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2664	2664	2664
5°	2664	2659	2677
10°	2650	2658	2684
15°	2633	2657	2702
20°	2603	2652	2712
25°	2569	2637	2713
30°	2525	2611	2694
35°	2476	2573	2654
40°	2416	2520	2601
45°	2342	2451	2527
50°	2258	2365	2437
55°	2155	2253	2320
60°	2031	2108	2159
65°	1844	1905	1941
70°	1619	1657	1679
75°	1367	1387	1397
80°	1093	1107	1078
85°	735	764	735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	187.6	3.5
10°-20°	539.6	10.2
20°-30°	818.7	15.4
30°-40°	977.4	18.4
40°-50°	989.6	18.6
50°-60°	855.3	16.1
60°-70°	592.8	11.2
70°-80°	286.8	5.4
80°-90°	63.1	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°	1545.9	29.1
0°-40°	2523.4	47.5
0°-60°	4368.3	82.2
0°-90°	5311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5311.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1980	1980	1980	1980	1980	
5°	1972	1970	1968	1978	1982	187
15°	1890	1894	1908	1930	1940	533
25°	1730	1742	1776	1812	1828	797
35°	1507	1521	1566	1606	1616	942
45°	1231	1248	1288	1321	1328	949
55°	918	928	960	1000	989	821
65°	579	585	598	608	610	573
75°	263	265	267	265	269	282
85°	48	52	50	48	48	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1979.9	1979.9	1979.9	1979.9	1979.9
2.5°	1979.9	1978.0	1974.2	1979.9	1983.7
5°	1972.3	1970.4	1968.5	1978.0	1981.8
7.5°	1959.0	1959.0	1960.9	1970.4	1974.2
10°	1939.9	1941.8	1945.6	1960.9	1964.7
12.5°	1917.0	1920.8	1930.4	1947.5	1955.1
15°	1890.4	1894.2	1907.5	1930.4	1939.9
17.5°	1856.1	1863.7	1882.7	1909.4	1918.9
20°	1817.9	1827.5	1852.2	1882.7	1894.2
22.5°	1776.0	1785.5	1817.9	1850.3	1861.8
25°	1730.3	1741.7	1776.0	1812.2	1827.5
27.5°	1680.7	1694.1	1732.2	1770.3	1785.5
30°	1625.5	1640.7	1680.7	1720.8	1734.1
32.5°	1566.4	1581.6	1627.4	1665.5	1678.8
35°	1507.3	1520.7	1566.4	1606.4	1615.9
37.5°	1440.6	1455.9	1505.4	1539.7	1553.1
40°	1375.8	1391.1	1434.9	1469.2	1480.7
42.5°	1305.3	1320.6	1364.4	1396.8	1406.3
45°	1231.0	1248.2	1288.2	1320.6	1328.2
47.5°	1156.7	1170.0	1212.0	1240.5	1246.3
50°	1078.6	1091.9	1130.0	1158.6	1164.3
52.5°	996.6	1017.6	1048.1	1069.0	1093.8
55°	918.5	928.0	960.4	1000.4	989.0
57.5°	840.4	846.1	872.8	889.9	893.7
60°	754.6	762.2	783.2	792.7	802.3
62.5°	665.1	670.8	695.5	705.1	708.9
65°	579.3	585.0	598.4	607.9	609.8
67.5°	491.6	497.4	508.8	516.4	550.7
70°	411.6	415.4	421.1	436.4	426.9
72.5°	335.4	337.3	343.0	343.0	344.9
75°	263.0	264.9	266.8	264.9	268.7
77.5°	196.3	200.1	202.0	200.1	198.2
80°	141.0	144.8	142.9	139.1	139.1
82.5°	91.5	93.4	91.5	89.6	89.6
85°	47.6	51.5	49.5	47.6	47.6
87.5°	17.2	19.1	21.0	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)