

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: P258515

Luminaire Tested: **D3X-WO-60L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-60L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4843.6 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

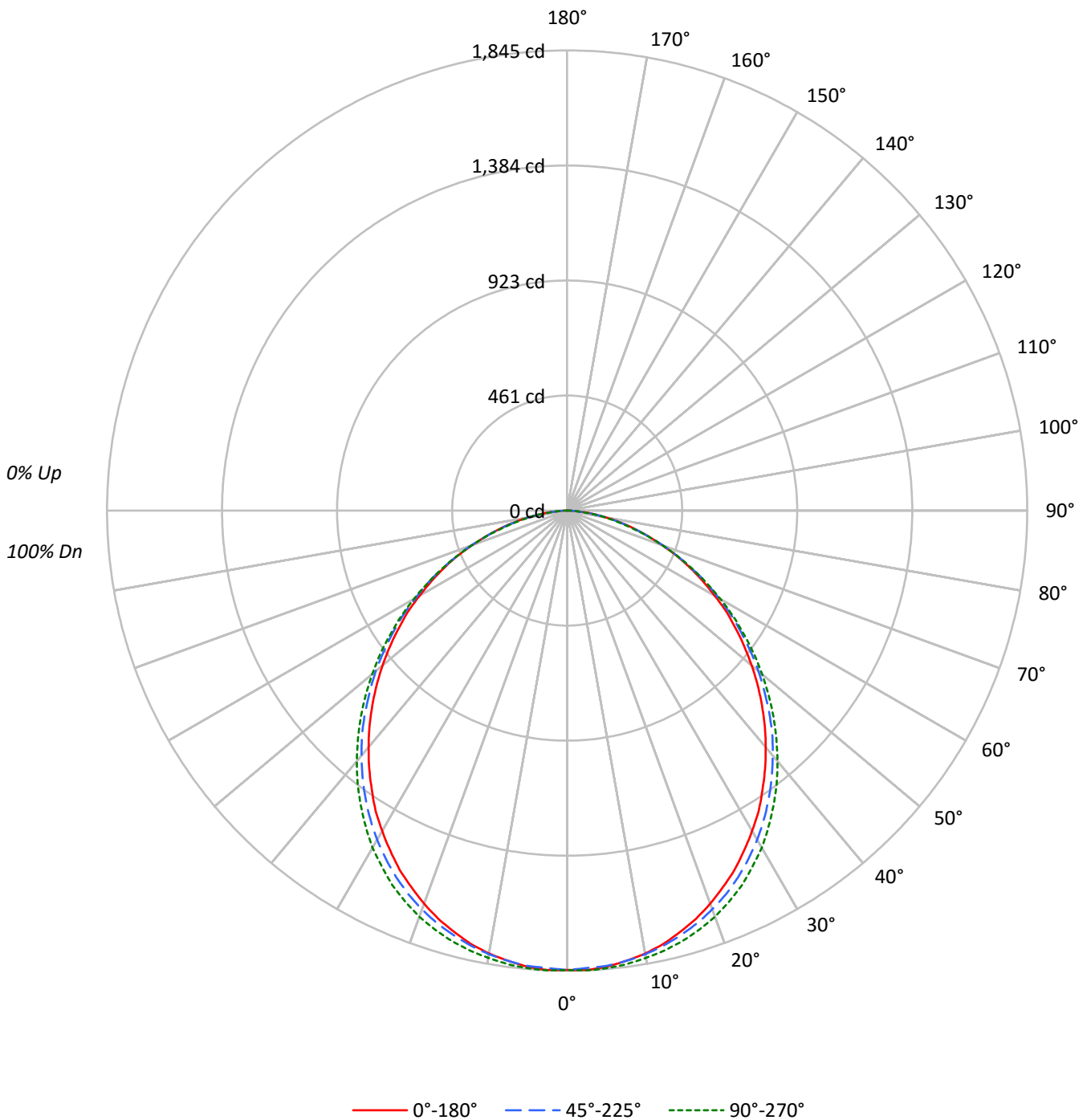
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2479	2479	2479
5°	2479	2475	2488
10°	2463	2468	2488
15°	2436	2455	2489
20°	2402	2437	2481
25°	2359	2408	2461
30°	2304	2368	2426
35°	2243	2315	2369
40°	2175	2253	2304
45°	2102	2179	2226
50°	2022	2097	2135
55°	1937	1998	2029
60°	1840	1888	1910
65°	1735	1761	1771
70°	1592	1611	1592
75°	1433	1425	1383
80°	1213	1201	1163
85°	906	881	781



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.4	3.6
10°-20°	498.2	10.3
20°-30°	747.0	15.4
30°-40°	879.7	18.2
40°-50°	879.9	18.2
50°-60°	759.2	15.7
60°-70°	546.3	11.3
70°-80°	289.7	6.0
80°-90°	69.1	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°	1419.7	29.3
0°-40°	2299.4	47.5
0°-60°	3938.5	81.3
0°-90°	4843.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4843.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1842	1842	1842	1842	1842	
5°	1836	1834	1832	1839	1842	174
15°	1749	1754	1762	1780	1787	493
25°	1589	1599	1622	1650	1658	731
35°	1366	1382	1410	1434	1442	854
45°	1105	1119	1145	1165	1170	852
55°	826	834	852	866	865	739
65°	545	547	553	556	556	539
75°	276	272	274	268	266	293
85°	59	59	57	52	51	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1842.1	1842.1	1842.1	1842.1	1842.1
2.5°	1843.7	1840.5	1835.6	1842.1	1845.4
5°	1835.6	1834.0	1832.3	1838.9	1842.1
7.5°	1820.9	1822.5	1820.9	1830.7	1834.0
10°	1803.0	1804.6	1806.2	1817.6	1820.9
12.5°	1780.1	1781.7	1786.6	1801.3	1806.2
15°	1749.1	1754.0	1762.2	1780.1	1786.6
17.5°	1716.5	1723.0	1734.4	1755.6	1762.2
20°	1677.3	1685.5	1701.8	1724.6	1732.8
22.5°	1633.3	1641.4	1664.3	1688.7	1696.9
25°	1589.2	1599.0	1621.8	1649.6	1657.7
27.5°	1537.0	1550.1	1574.5	1602.3	1608.8
30°	1483.2	1494.6	1523.9	1550.1	1561.5
32.5°	1429.3	1440.7	1468.5	1494.6	1502.7
35°	1365.7	1382.0	1409.7	1434.2	1442.4
37.5°	1303.7	1318.4	1347.7	1372.2	1380.4
40°	1238.4	1251.5	1282.5	1305.3	1311.8
42.5°	1173.1	1186.2	1217.2	1235.1	1241.7
45°	1104.6	1119.3	1145.4	1165.0	1169.9
47.5°	1036.1	1047.5	1072.0	1089.9	1096.5
50°	965.9	977.3	1001.8	1016.5	1019.8
52.5°	895.8	903.9	926.8	939.8	944.7
55°	825.6	833.8	851.7	866.4	864.8
57.5°	758.7	762.0	779.9	789.7	789.7
60°	683.7	686.9	701.6	708.1	709.8
62.5°	613.5	618.4	629.8	631.4	631.4
65°	545.0	546.6	553.1	556.4	556.4
67.5°	476.4	474.8	481.3	481.3	479.7
70°	404.6	407.9	409.5	406.3	404.6
72.5°	339.4	337.7	337.7	336.1	336.1
75°	275.7	272.5	274.1	267.6	266.0
77.5°	217.0	212.1	210.5	207.2	204.0
80°	156.6	156.6	155.0	151.7	150.1
82.5°	104.4	104.4	102.8	99.5	96.3
85°	58.7	58.7	57.1	52.2	50.6
87.5°	19.6	19.6	19.6	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)