

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: P258397

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258397  
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-60L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4547.5 lumens  
Efficiency: N/A  
Efficacy: 95.3 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

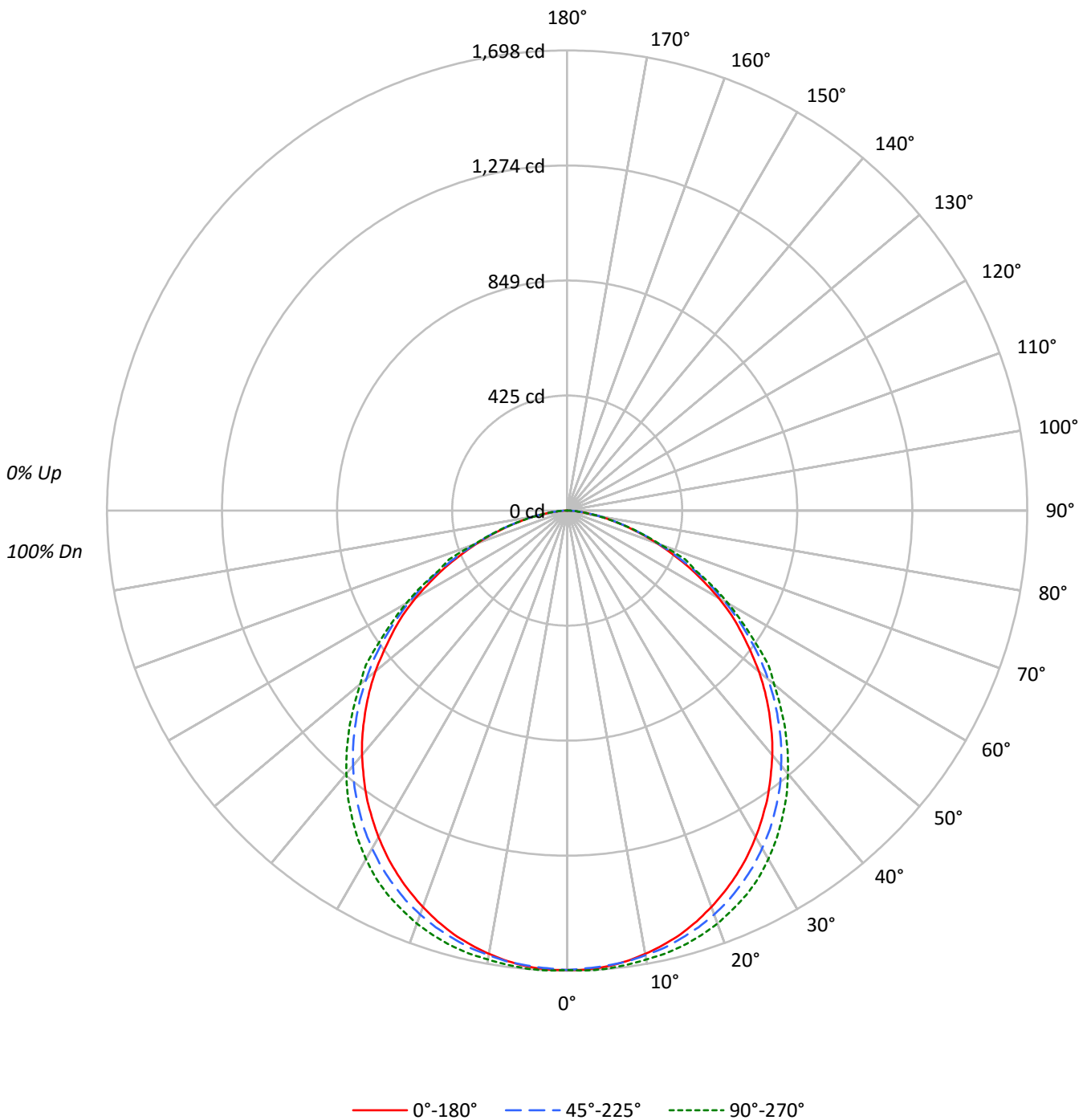
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P258397

CATALOG NUMBER: D3X-WD-60L930-LD5-UNV-24-T1-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P258397

CATALOG NUMBER: D3X-WD-60L930-LD5-UNV-24-T1-STD

**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°	2281	2281	2281
5°	2281	2276	2292
10°	2269	2276	2298
15°	2255	2275	2314
20°	2229	2271	2322
25°	2199	2258	2323
30°	2162	2236	2307
35°	2120	2203	2273
40°	2069	2158	2227
45°	2006	2099	2164
50°	1933	2025	2087
55°	1845	1929	1986
60°	1739	1805	1848
65°	1579	1631	1662
70°	1386	1419	1438
75°	1171	1187	1196
80°	935	948	923
85°	630	655	630



TEST NUMBER: P258397

CATALOG NUMBER: D3X-WD-60L930-LD5-UNV-24-T1-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.7	3.5
10°-20°	462.0	10.2
20°-30°	701.0	15.4
30°-40°	836.9	18.4
40°-50°	847.3	18.6
50°-60°	732.4	16.1
60°-70°	507.6	11.2
70°-80°	245.6	5.4
80°-90°	54.0	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°	1323.7	29.1
0°-40°	2160.6	47.5
0°-60°	3740.3	82.2
0°-90°	4547.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4547.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1695	1695	1695	1695	1695	
5°	1689	1687	1686	1694	1697	160
15°	1619	1622	1633	1653	1661	456
25°	1482	1491	1521	1552	1565	682
35°	1291	1302	1341	1376	1384	806
45°	1054	1069	1103	1131	1137	813
55°	786	795	822	857	847	703
65°	496	501	512	520	522	491
75°	225	227	228	227	230	242
85°	41	44	42	41	41	53
90°	0	0	0	0	0	



TEST NUMBER: P258397

CATALOG NUMBER: D3X-WD-60L930-LD5-UNV-24-T1-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1695.3	1695.3	1695.3	1695.3	1695.3
2.5°	1695.3	1693.6	1690.4	1695.3	1698.5
5°	1688.7	1687.1	1685.5	1693.6	1696.9
7.5°	1677.3	1677.3	1679.0	1687.1	1690.4
10°	1661.0	1662.6	1665.9	1679.0	1682.2
12.5°	1641.4	1644.7	1652.8	1667.5	1674.1
15°	1618.6	1621.8	1633.3	1652.8	1661.0
17.5°	1589.2	1595.7	1612.1	1634.9	1643.1
20°	1556.6	1564.7	1586.0	1612.1	1621.8
22.5°	1520.7	1528.8	1556.6	1584.3	1594.1
25°	1481.5	1491.3	1520.7	1551.7	1564.7
27.5°	1439.1	1450.5	1483.2	1515.8	1528.8
30°	1391.8	1404.8	1439.1	1473.4	1484.8
32.5°	1341.2	1354.3	1393.4	1426.1	1437.5
35°	1290.6	1302.0	1341.2	1375.5	1383.6
37.5°	1233.5	1246.6	1289.0	1318.4	1329.8
40°	1178.0	1191.1	1228.6	1258.0	1267.8
42.5°	1117.7	1130.7	1168.3	1196.0	1204.1
45°	1054.0	1068.7	1103.0	1130.7	1137.3
47.5°	990.4	1001.8	1037.7	1062.2	1067.1
50°	923.5	934.9	967.6	992.0	996.9
52.5°	853.3	871.3	897.4	915.3	936.6
55°	786.4	794.6	822.3	856.6	846.8
57.5°	719.6	724.4	747.3	762.0	765.2
60°	646.1	652.7	670.6	678.8	686.9
62.5°	569.4	574.3	595.5	603.7	607.0
65°	496.0	500.9	512.3	520.5	522.1
67.5°	421.0	425.9	435.6	442.2	471.5
70°	352.4	355.7	360.6	373.6	365.5
72.5°	287.2	288.8	293.7	293.7	295.3
75°	225.2	226.8	228.4	226.8	230.1
77.5°	168.1	171.3	173.0	171.3	169.7
80°	120.7	124.0	122.4	119.1	119.1
82.5°	78.3	80.0	78.3	76.7	76.7
85°	40.8	44.1	42.4	40.8	40.8
87.5°	14.7	16.3	17.9	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)