

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: P258398

Luminaire Tested: **D3X-WD-60L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258398  
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-60L935-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: 4716.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 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

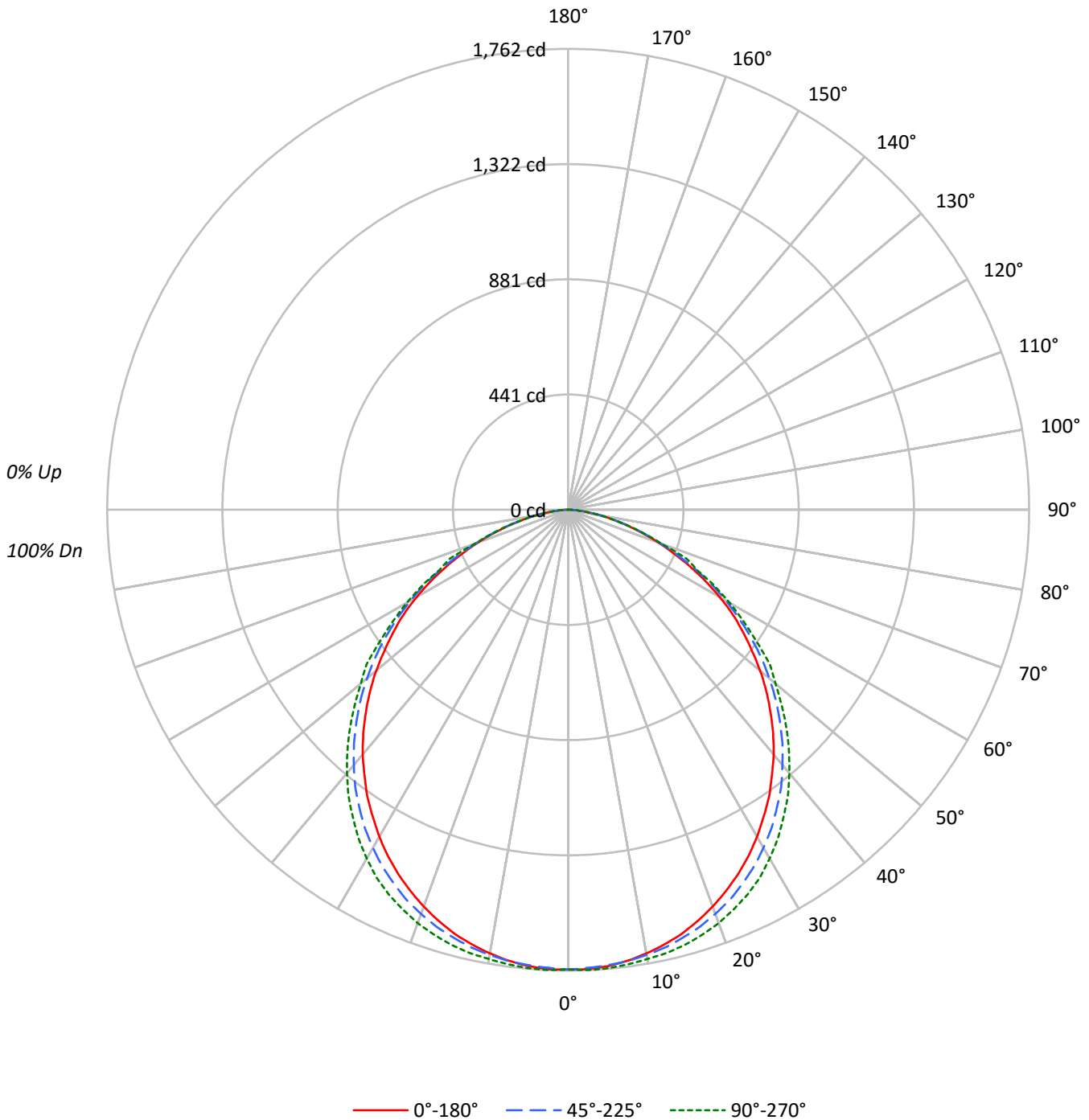
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2366	2366	2366
5°	2366	2361	2377
10°	2354	2361	2384
15°	2338	2360	2400
20°	2312	2355	2408
25°	2281	2341	2409
30°	2243	2319	2393
35°	2199	2285	2357
40°	2146	2238	2310
45°	2080	2177	2244
50°	2005	2101	2164
55°	1913	2001	2060
60°	1803	1872	1917
65°	1638	1692	1724
70°	1438	1471	1491
75°	1214	1232	1240
80°	970	983	957
85°	653	679	653



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.6	3.5
10°-20°	479.2	10.2
20°-30°	727.0	15.4
30°-40°	868.0	18.4
40°-50°	878.8	18.6
50°-60°	759.6	16.1
60°-70°	526.5	11.2
70°-80°	254.7	5.4
80°-90°	56.0	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°	1372.9	29.1
0°-40°	2240.9	47.5
0°-60°	3879.3	82.2
0°-90°	4716.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4716.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1752	1750	1748	1757	1760	166
15°	1679	1682	1694	1714	1723	473
25°	1537	1547	1577	1609	1623	708
35°	1339	1350	1391	1427	1435	836
45°	1093	1108	1144	1173	1180	843
55°	816	824	853	888	878	729
65°	514	520	531	540	542	509
75°	234	235	237	235	239	251
85°	42	46	44	42	42	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1758.3	1758.3	1758.3	1758.3	1758.3
2.5°	1758.3	1756.6	1753.2	1758.3	1761.6
5°	1751.5	1749.8	1748.1	1756.6	1760.0
7.5°	1739.6	1739.6	1741.3	1749.8	1753.2
10°	1722.7	1724.4	1727.8	1741.3	1744.7
12.5°	1702.4	1705.8	1714.3	1729.5	1736.3
15°	1678.7	1682.1	1694.0	1714.3	1722.7
17.5°	1648.3	1655.0	1672.0	1695.6	1704.1
20°	1614.4	1622.9	1644.9	1672.0	1682.1
22.5°	1577.2	1585.6	1614.4	1643.2	1653.3
25°	1536.6	1546.7	1577.2	1609.3	1622.9
27.5°	1492.6	1504.4	1538.3	1572.1	1585.6
30°	1443.5	1457.0	1492.6	1528.1	1540.0
32.5°	1391.0	1404.6	1445.2	1479.0	1490.9
35°	1338.6	1350.4	1391.0	1426.6	1435.0
37.5°	1279.3	1292.9	1336.9	1367.3	1379.2
40°	1221.8	1235.4	1274.3	1304.7	1314.9
42.5°	1159.2	1172.7	1211.7	1240.4	1248.9
45°	1093.2	1108.4	1144.0	1172.7	1179.5
47.5°	1027.2	1039.0	1076.3	1101.7	1106.7
50°	957.8	969.7	1003.5	1028.9	1034.0
52.5°	885.1	903.7	930.7	949.4	971.4
55°	815.7	824.1	852.9	888.4	878.3
57.5°	746.3	751.4	775.1	790.3	793.7
60°	670.1	676.9	695.5	704.0	712.4
62.5°	590.6	595.7	617.7	626.1	629.5
65°	514.4	519.5	531.4	539.8	541.5
67.5°	436.6	441.7	451.8	458.6	489.1
70°	365.5	368.9	374.0	387.5	379.1
72.5°	297.8	299.5	304.6	304.6	306.3
75°	233.5	235.2	236.9	235.2	238.6
77.5°	174.3	177.7	179.4	177.7	176.0
80°	125.2	128.6	126.9	123.5	123.5
82.5°	81.2	82.9	81.2	79.5	79.5
85°	42.3	45.7	44.0	42.3	42.3
87.5°	15.2	16.9	18.6	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)