

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: P258528

Luminaire Tested: **D3X-WO-74L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258528  
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-74L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6224.8 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

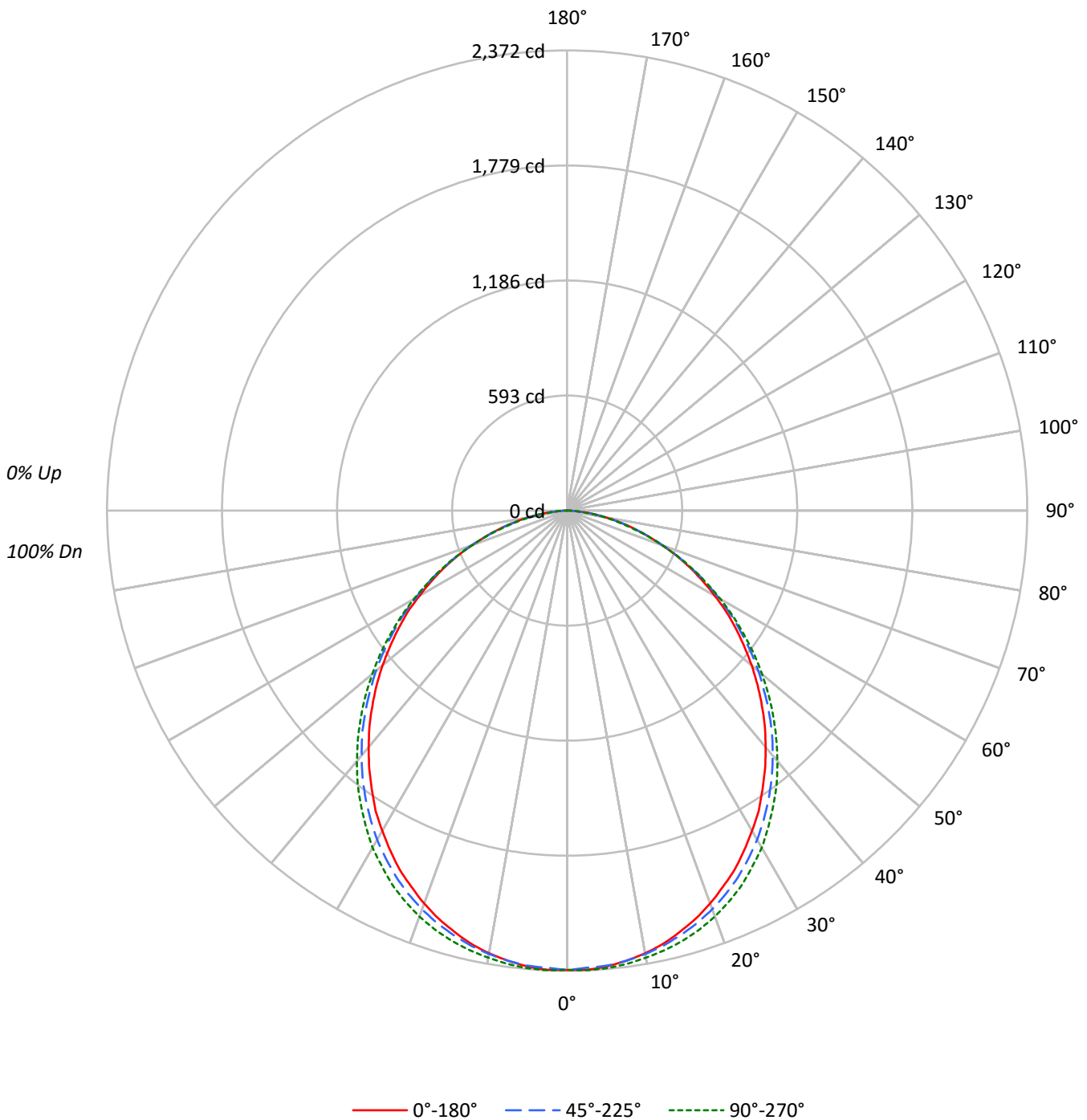
Input Watts (W): 61.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P258528

CATALOG NUMBER: D3X-WO-74L935-LD5-UNV-24-T1-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P258528

CATALOG NUMBER: D3X-WO-74L935-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	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°	3185	3185	3185
5°	3186	3180	3197
10°	3166	3171	3197
15°	3131	3154	3198
20°	3086	3132	3189
25°	3032	3094	3163
30°	2961	3043	3118
35°	2883	2976	3045
40°	2795	2895	2961
45°	2701	2801	2861
50°	2599	2695	2743
55°	2489	2568	2607
60°	2364	2426	2454
65°	2230	2263	2276
70°	2046	2070	2046
75°	1842	1831	1777
80°	1560	1543	1495
85°	1166	1133	1003



TEST NUMBER: P258528

CATALOG NUMBER: D3X-WO-74L935-LD5-UNV-24-T1-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.1	3.6
10°-20°	640.3	10.3
20°-30°	960.0	15.4
30°-40°	1130.6	18.2
40°-50°	1130.8	18.2
50°-60°	975.7	15.7
60°-70°	702.1	11.3
70°-80°	372.4	6.0
80°-90°	88.8	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°	1824.5	29.3
0°-40°	2955.1	47.5
0°-60°	5061.5	81.3
0°-90°	6224.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6224.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2359	2357	2355	2363	2367	224
15°	2248	2254	2265	2288	2296	634
25°	2042	2055	2084	2120	2130	939
35°	1755	1776	1812	1843	1854	1098
45°	1420	1438	1472	1497	1504	1095
55°	1061	1072	1095	1113	1111	950
65°	700	702	711	715	715	693
75°	354	350	352	344	342	377
85°	76	76	73	67	65	91
90°	0	0	0	0	0	



TEST NUMBER: P258528

CATALOG NUMBER: D3X-WO-74L935-LD5-UNV-24-T1-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2367.4	2367.4	2367.4	2367.4	2367.4
2.5°	2369.5	2365.3	2359.0	2367.4	2371.6
5°	2359.0	2356.9	2354.8	2363.2	2367.4
7.5°	2340.1	2342.2	2340.1	2352.7	2356.9
10°	2317.1	2319.2	2321.3	2335.9	2340.1
12.5°	2287.7	2289.8	2296.1	2315.0	2321.3
15°	2247.9	2254.2	2264.6	2287.7	2296.1
17.5°	2205.9	2214.3	2229.0	2256.3	2264.6
20°	2155.6	2166.1	2187.1	2216.4	2226.9
22.5°	2099.0	2109.5	2138.8	2170.3	2180.8
25°	2042.4	2055.0	2084.3	2120.0	2130.4
27.5°	1975.3	1992.0	2023.5	2059.1	2067.5
30°	1906.1	1920.8	1958.5	1992.0	2006.7
32.5°	1836.9	1851.6	1887.2	1920.8	1931.2
35°	1755.1	1776.1	1811.7	1843.2	1853.7
37.5°	1675.4	1694.3	1732.0	1763.5	1774.0
40°	1591.5	1608.3	1648.2	1677.5	1685.9
42.5°	1507.7	1524.4	1564.3	1587.3	1595.7
45°	1419.6	1438.5	1472.0	1497.2	1503.5
47.5°	1331.5	1346.2	1377.7	1400.7	1409.1
50°	1241.4	1256.0	1287.5	1306.4	1310.6
52.5°	1151.2	1161.7	1191.0	1207.8	1214.1
55°	1061.0	1071.5	1094.6	1113.4	1111.4
57.5°	975.1	979.2	1002.3	1014.9	1014.9
60°	878.6	882.8	901.7	910.1	912.1
62.5°	788.4	794.7	809.4	811.5	811.5
65°	700.4	702.5	710.8	715.0	715.0
67.5°	612.3	610.2	618.6	618.6	616.5
70°	520.0	524.2	526.3	522.1	520.0
72.5°	436.2	434.1	434.1	432.0	432.0
75°	354.4	350.2	352.3	343.9	341.8
77.5°	278.9	272.6	270.5	266.3	262.1
80°	201.3	201.3	199.2	195.0	192.9
82.5°	134.2	134.2	132.1	127.9	123.7
85°	75.5	75.5	73.4	67.1	65.0
87.5°	25.2	25.2	25.2	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)