

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: P258527

Luminaire Tested: **D3X-WO-74L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258527
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-74L930-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: 6001.8 lumens
Efficiency: N/A
Efficacy: 97.4 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

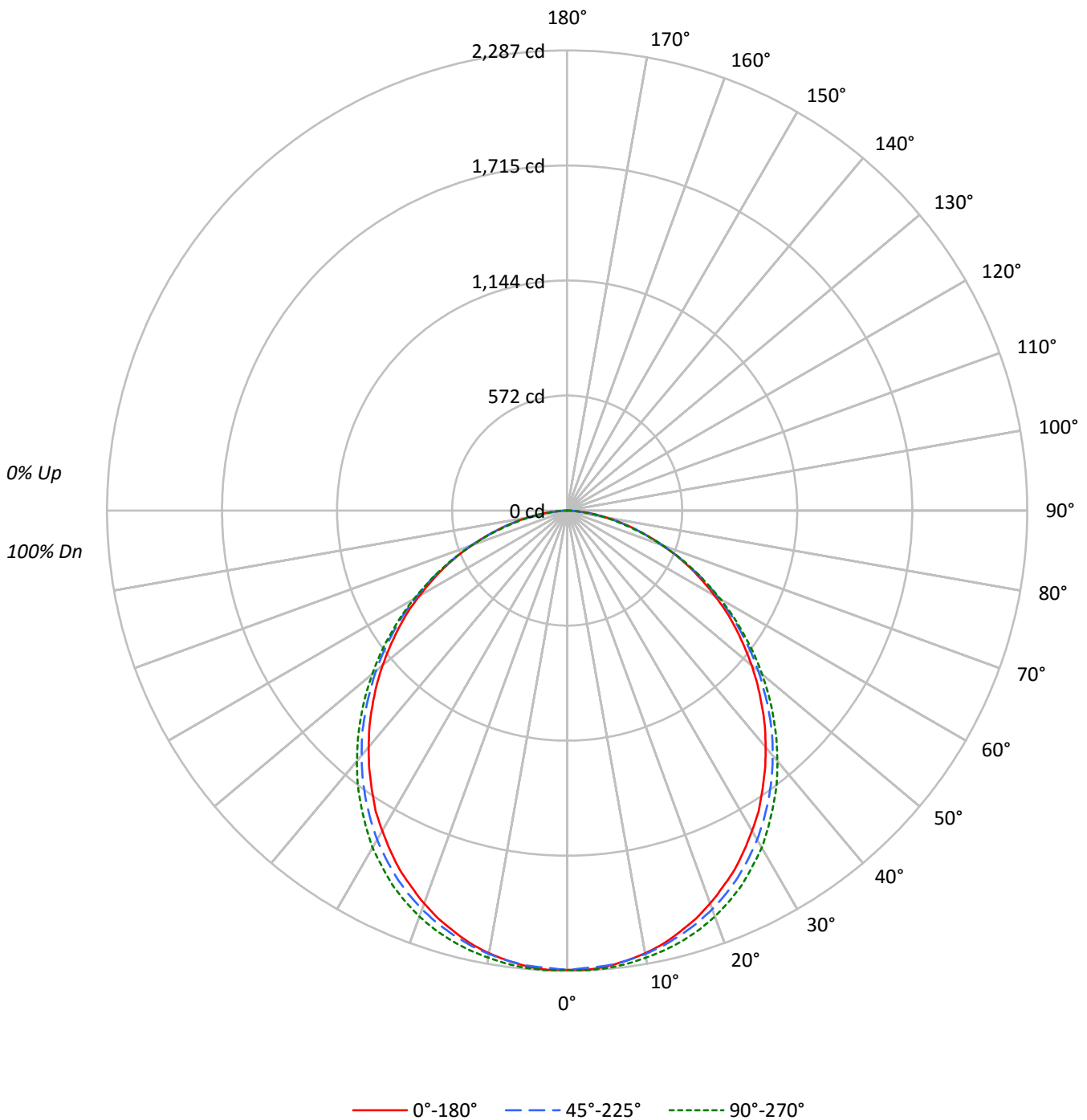
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258527

CATALOG NUMBER: D3X-WO-74L930-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258527

CATALOG NUMBER: D3X-WO-74L930-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°	3071	3071	3071
5°	3072	3066	3083
10°	3052	3058	3083
15°	3019	3042	3084
20°	2976	3019	3074
25°	2923	2983	3049
30°	2855	2934	3006
35°	2780	2869	2936
40°	2695	2791	2855
45°	2604	2701	2758
50°	2505	2599	2645
55°	2400	2476	2514
60°	2280	2340	2367
65°	2150	2182	2195
70°	1972	1996	1972
75°	1776	1766	1713
80°	1504	1488	1441
85°	1124	1093	968



TEST NUMBER: P258527

CATALOG NUMBER: D3X-WO-74L930-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	3.6
10°-20°	617.4	10.3
20°-30°	925.6	15.4
30°-40°	1090.1	18.2
40°-50°	1090.3	18.2
50°-60°	940.7	15.7
60°-70°	676.9	11.3
70°-80°	359.0	6.0
80°-90°	85.6	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°	1759.1	29.3
0°-40°	2849.2	47.5
0°-60°	4880.2	81.3
0°-90°	6001.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6001.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2274	2272	2270	2278	2283	216
15°	2167	2173	2184	2206	2214	611
25°	1969	1981	2010	2044	2054	906
35°	1692	1712	1747	1777	1787	1059
45°	1369	1387	1419	1444	1450	1056
55°	1023	1033	1055	1074	1072	916
65°	675	677	685	689	689	668
75°	342	338	340	332	330	363
85°	73	73	71	65	63	88
90°	0	0	0	0	0	



TEST NUMBER: P258527

CATALOG NUMBER: D3X-WO-74L930-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2282.6	2282.6	2282.6	2282.6	2282.6
2.5°	2284.6	2280.6	2274.5	2282.6	2286.6
5°	2274.5	2272.5	2270.4	2278.5	2282.6
7.5°	2256.3	2258.3	2256.3	2268.4	2272.5
10°	2234.1	2236.1	2238.1	2252.3	2256.3
12.5°	2205.8	2207.8	2213.8	2232.0	2238.1
15°	2167.3	2173.4	2183.5	2205.8	2213.8
17.5°	2126.9	2135.0	2149.1	2175.4	2183.5
20°	2078.4	2088.5	2108.7	2137.0	2147.1
22.5°	2023.8	2033.9	2062.2	2092.5	2102.6
25°	1969.2	1981.3	2009.6	2044.0	2054.1
27.5°	1904.5	1920.7	1951.0	1985.4	1993.5
30°	1837.8	1851.9	1888.3	1920.7	1934.8
32.5°	1771.1	1785.2	1819.6	1851.9	1862.1
35°	1692.2	1712.4	1746.8	1777.1	1787.2
37.5°	1615.4	1633.6	1670.0	1700.3	1710.4
40°	1534.5	1550.7	1589.1	1617.4	1625.5
42.5°	1453.7	1469.8	1508.2	1530.5	1538.6
45°	1368.7	1386.9	1419.3	1443.5	1449.6
47.5°	1283.8	1298.0	1328.3	1350.5	1358.6
50°	1196.9	1211.0	1241.4	1259.6	1263.6
52.5°	1110.0	1120.1	1148.4	1164.5	1170.6
55°	1023.0	1033.1	1055.4	1073.6	1071.5
57.5°	940.1	944.2	966.4	978.5	978.5
60°	847.1	851.2	869.4	877.4	879.5
62.5°	760.2	766.3	780.4	782.4	782.4
65°	675.3	677.3	685.4	689.4	689.4
67.5°	590.4	588.3	596.4	596.4	594.4
70°	501.4	505.4	507.5	503.4	501.4
72.5°	420.5	418.5	418.5	416.5	416.5
75°	341.7	337.6	339.7	331.6	329.5
77.5°	268.9	262.8	260.8	256.8	252.7
80°	194.1	194.1	192.1	188.0	186.0
82.5°	129.4	129.4	127.4	123.3	119.3
85°	72.8	72.8	70.8	64.7	62.7
87.5°	24.3	24.3	24.3	24.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)