

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: P258415

Luminaire Tested: **D3X-WD-80L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258415
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-80L930-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: 6107.8 lumens
Efficiency: N/A
Efficacy: 90.6 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

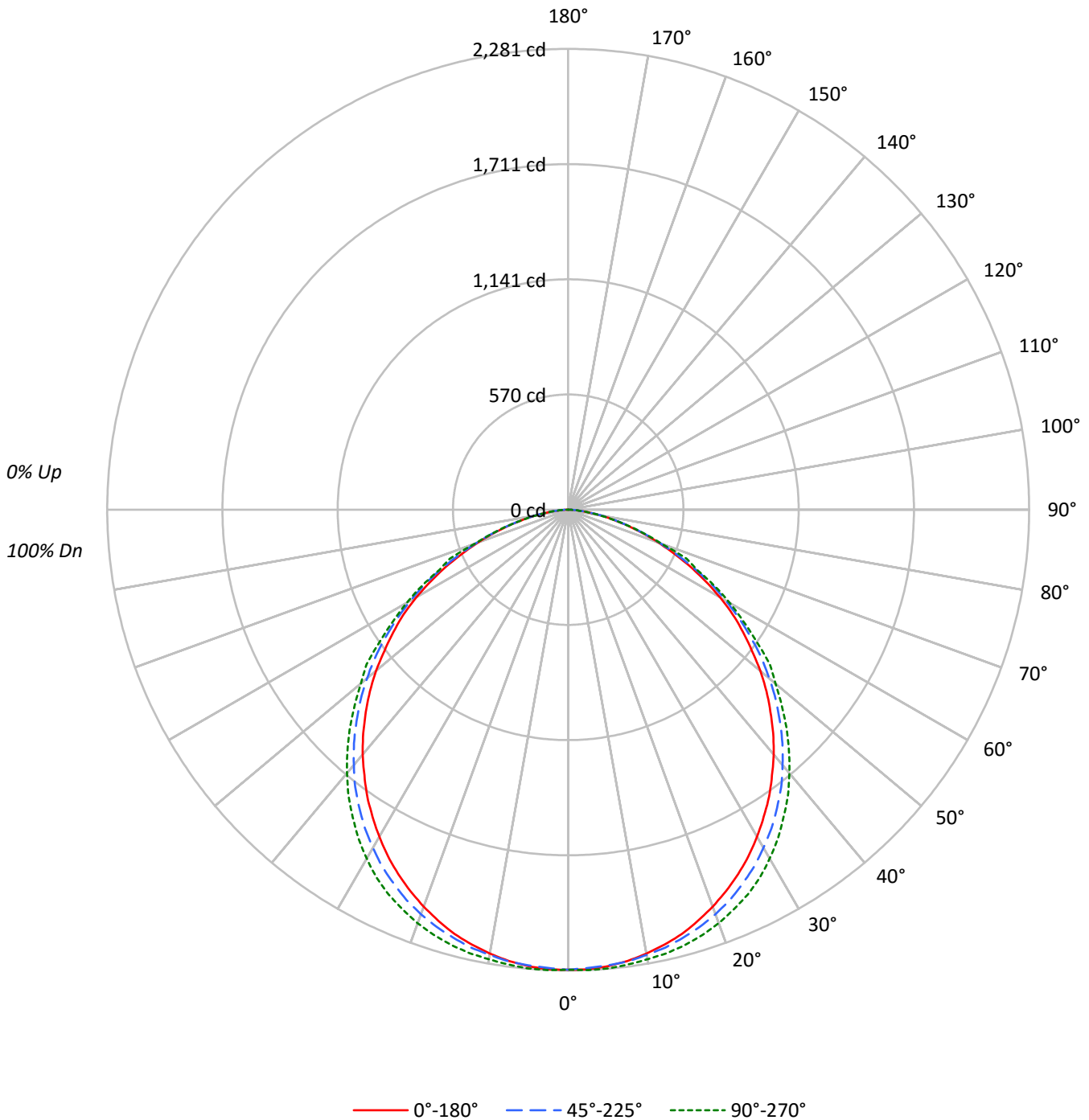
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258415

CATALOG NUMBER: D3X-WD-80L930-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258415

CATALOG NUMBER: D3X-WD-80L930-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°	3064	3064	3064
5°	3063	3058	3078
10°	3048	3057	3087
15°	3028	3056	3108
20°	2994	3050	3119
25°	2954	3032	3120
30°	2904	3003	3098
35°	2847	2959	3052
40°	2779	2898	2991
45°	2694	2819	2907
50°	2596	2720	2803
55°	2478	2591	2668
60°	2335	2424	2483
65°	2121	2191	2233
70°	1862	1905	1931
75°	1572	1595	1606
80°	1257	1274	1240
85°	846	880	846



TEST NUMBER: P258415

CATALOG NUMBER: D3X-WD-80L930-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.8	3.5
10°-20°	620.5	10.2
20°-30°	941.5	15.4
30°-40°	1124.1	18.4
40°-50°	1138.0	18.6
50°-60°	983.7	16.1
60°-70°	681.8	11.2
70°-80°	329.9	5.4
80°-90°	72.5	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°	1777.9	29.1
0°-40°	2902.0	47.5
0°-60°	5023.6	82.2
0°-90°	6107.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2277	2277	2277	2277	2277	
5°	2268	2266	2264	2275	2279	215
15°	2174	2178	2194	2220	2231	613
25°	1990	2003	2042	2084	2102	916
35°	1734	1749	1801	1847	1858	1083
45°	1416	1435	1481	1519	1528	1092
55°	1056	1067	1104	1150	1137	944
65°	666	673	688	699	701	659
75°	302	305	307	305	309	325
85°	55	59	57	55	55	71
90°	0	0	0	0	0	



TEST NUMBER: P258415

CATALOG NUMBER: D3X-WD-80L930-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2276.9	2276.9	2276.9	2276.9	2276.9
2.5°	2276.9	2274.8	2270.4	2276.9	2281.3
5°	2268.2	2266.0	2263.8	2274.8	2279.1
7.5°	2252.8	2252.8	2255.0	2266.0	2270.4
10°	2230.9	2233.1	2237.5	2255.0	2259.4
12.5°	2204.6	2209.0	2220.0	2239.7	2248.5
15°	2173.9	2178.3	2193.7	2220.0	2230.9
17.5°	2134.5	2143.3	2165.2	2195.9	2206.8
20°	2090.7	2101.6	2130.1	2165.2	2178.3
22.5°	2042.5	2053.4	2090.7	2127.9	2141.1
25°	1989.9	2003.0	2042.5	2084.1	2101.6
27.5°	1932.9	1948.2	1992.1	2035.9	2053.4
30°	1869.3	1886.9	1932.9	1978.9	1994.2
32.5°	1801.4	1818.9	1871.5	1915.4	1930.7
35°	1733.5	1748.8	1801.4	1847.4	1858.4
37.5°	1656.8	1674.3	1731.3	1770.7	1786.1
40°	1582.2	1599.8	1650.2	1689.6	1702.8
42.5°	1501.2	1518.7	1569.1	1606.4	1617.3
45°	1415.7	1435.4	1481.4	1518.7	1527.5
47.5°	1330.2	1345.6	1393.8	1426.7	1433.2
50°	1240.4	1255.7	1299.5	1332.4	1339.0
52.5°	1146.1	1170.3	1205.3	1229.4	1257.9
55°	1056.3	1067.3	1104.5	1150.5	1137.4
57.5°	966.4	973.0	1003.7	1023.4	1027.8
60°	867.8	876.6	900.7	911.7	922.6
62.5°	764.8	771.4	799.9	810.8	815.2
65°	666.2	672.8	688.1	699.1	701.3
67.5°	565.4	572.0	585.1	593.9	633.3
70°	473.4	477.7	484.3	501.8	490.9
72.5°	385.7	387.9	394.5	394.5	396.7
75°	302.4	304.6	306.8	304.6	309.0
77.5°	225.7	230.1	232.3	230.1	227.9
80°	162.2	166.6	164.4	160.0	160.0
82.5°	105.2	107.4	105.2	103.0	103.0
85°	54.8	59.2	57.0	54.8	54.8
87.5°	19.7	21.9	24.1	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)