

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: P258410

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258410
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-74L935-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: 5844.2 lumens
Efficiency: N/A
Efficacy: 94.9 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

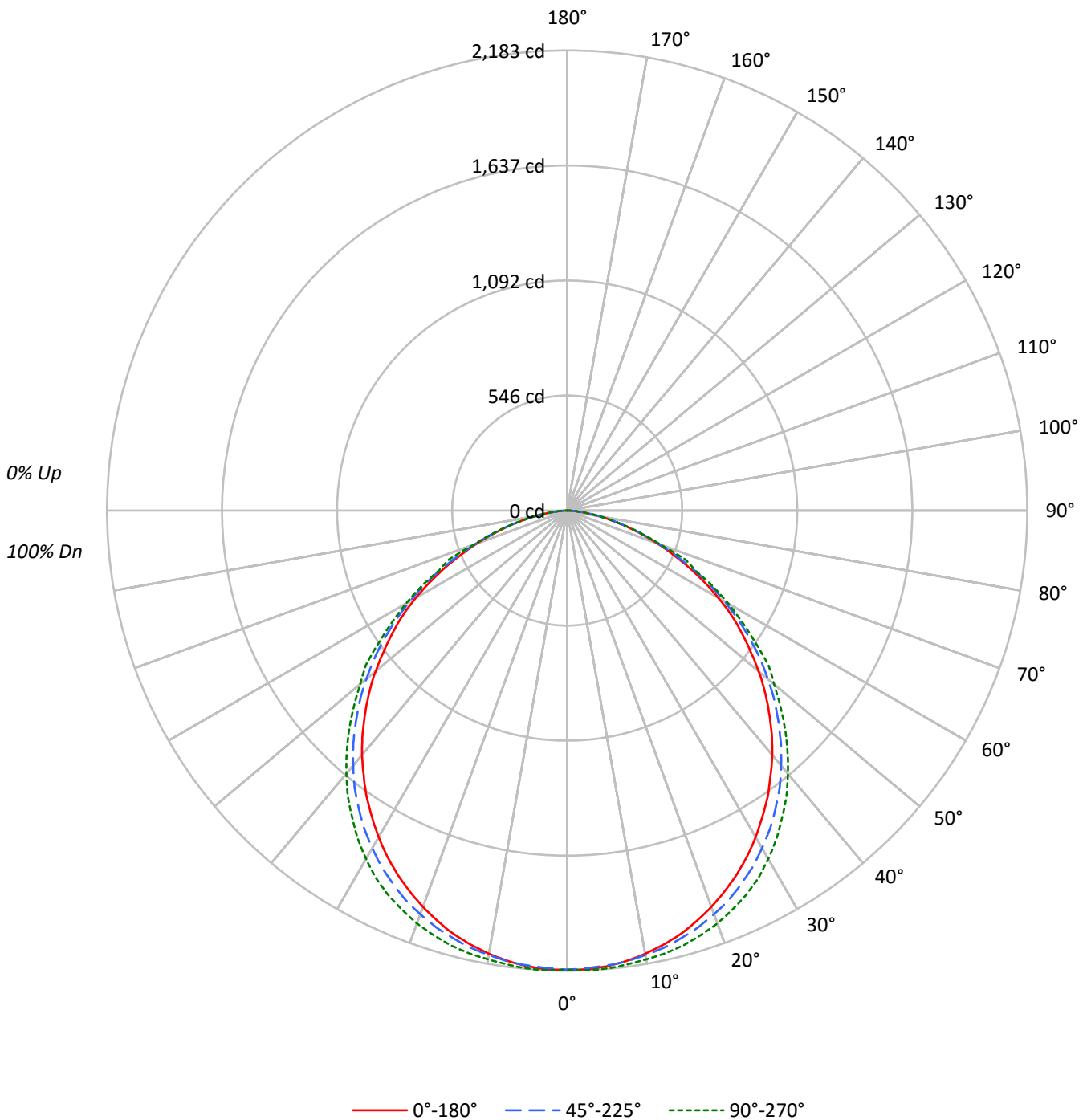
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2931	2931	2931
5°	2931	2926	2945
10°	2916	2925	2954
15°	2897	2924	2973
20°	2864	2918	2984
25°	2827	2901	2985
30°	2779	2873	2965
35°	2724	2831	2921
40°	2659	2773	2862
45°	2578	2697	2781
50°	2484	2603	2682
55°	2371	2479	2553
60°	2235	2319	2376
65°	2030	2096	2136
70°	1782	1823	1848
75°	1504	1526	1537
80°	1203	1219	1186
85°	809	841	809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	3.5
10°-20°	593.8	10.2
20°-30°	900.9	15.4
30°-40°	1075.6	18.4
40°-50°	1088.9	18.6
50°-60°	941.2	16.1
60°-70°	652.4	11.2
70°-80°	315.7	5.4
80°-90°	69.4	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°	1701.1	29.1
0°-40°	2776.7	47.5
0°-60°	4806.8	82.2
0°-90°	5844.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5844.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2179	2179	2179	2179	2179	
5°	2170	2168	2166	2177	2181	206
15°	2080	2084	2099	2124	2135	586
25°	1904	1917	1954	1994	2011	877
35°	1659	1673	1724	1768	1778	1036
45°	1355	1374	1418	1453	1462	1045
55°	1011	1021	1057	1101	1088	903
65°	638	644	658	669	671	631
75°	289	292	294	292	296	311
85°	52	57	54	52	52	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2178.7	2178.7	2178.7	2178.7	2178.7
2.5°	2178.7	2176.6	2172.4	2178.7	2182.9
5°	2170.3	2168.2	2166.1	2176.6	2180.8
7.5°	2155.6	2155.6	2157.7	2168.2	2172.4
10°	2134.6	2136.7	2140.9	2157.7	2161.9
12.5°	2109.5	2113.7	2124.2	2143.0	2151.4
15°	2080.1	2084.3	2099.0	2124.2	2134.6
17.5°	2042.4	2050.8	2071.7	2101.1	2111.6
20°	2000.4	2010.9	2038.2	2071.7	2084.3
22.5°	1954.3	1964.8	2000.4	2036.1	2048.7
25°	1904.0	1916.6	1954.3	1994.1	2010.9
27.5°	1849.5	1864.1	1906.1	1948.0	1964.8
30°	1788.6	1805.4	1849.5	1893.5	1908.2
32.5°	1723.6	1740.4	1790.7	1832.7	1847.4
35°	1658.6	1673.3	1723.6	1767.7	1778.2
37.5°	1585.3	1602.0	1656.5	1694.3	1709.0
40°	1514.0	1530.7	1579.0	1616.7	1629.3
42.5°	1436.4	1453.1	1501.4	1537.0	1547.5
45°	1354.6	1373.5	1417.5	1453.1	1461.5
47.5°	1272.8	1287.5	1333.6	1365.1	1371.4
50°	1186.8	1201.5	1243.5	1274.9	1281.2
52.5°	1096.7	1119.7	1153.3	1176.4	1203.6
55°	1010.7	1021.2	1056.8	1100.9	1088.3
57.5°	924.7	931.0	960.4	979.2	983.4
60°	830.4	838.8	861.8	872.3	882.8
62.5°	731.8	738.1	765.4	775.9	780.0
65°	637.5	643.7	658.4	668.9	671.0
67.5°	541.0	547.3	559.9	568.3	606.0
70°	452.9	457.1	463.4	480.2	469.7
72.5°	369.1	371.2	377.4	377.4	379.5
75°	289.4	291.5	293.6	291.5	295.7
77.5°	216.0	220.2	222.3	220.2	218.1
80°	155.2	159.4	157.3	153.1	153.1
82.5°	100.7	102.7	100.7	98.6	98.6
85°	52.4	56.6	54.5	52.4	52.4
87.5°	18.9	21.0	23.1	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)