

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: P258504

Luminaire Tested: **D3X-WO-50L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258504
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-50L935-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: 4187.0 lumens
Efficiency: N/A
Efficacy: 110.8 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

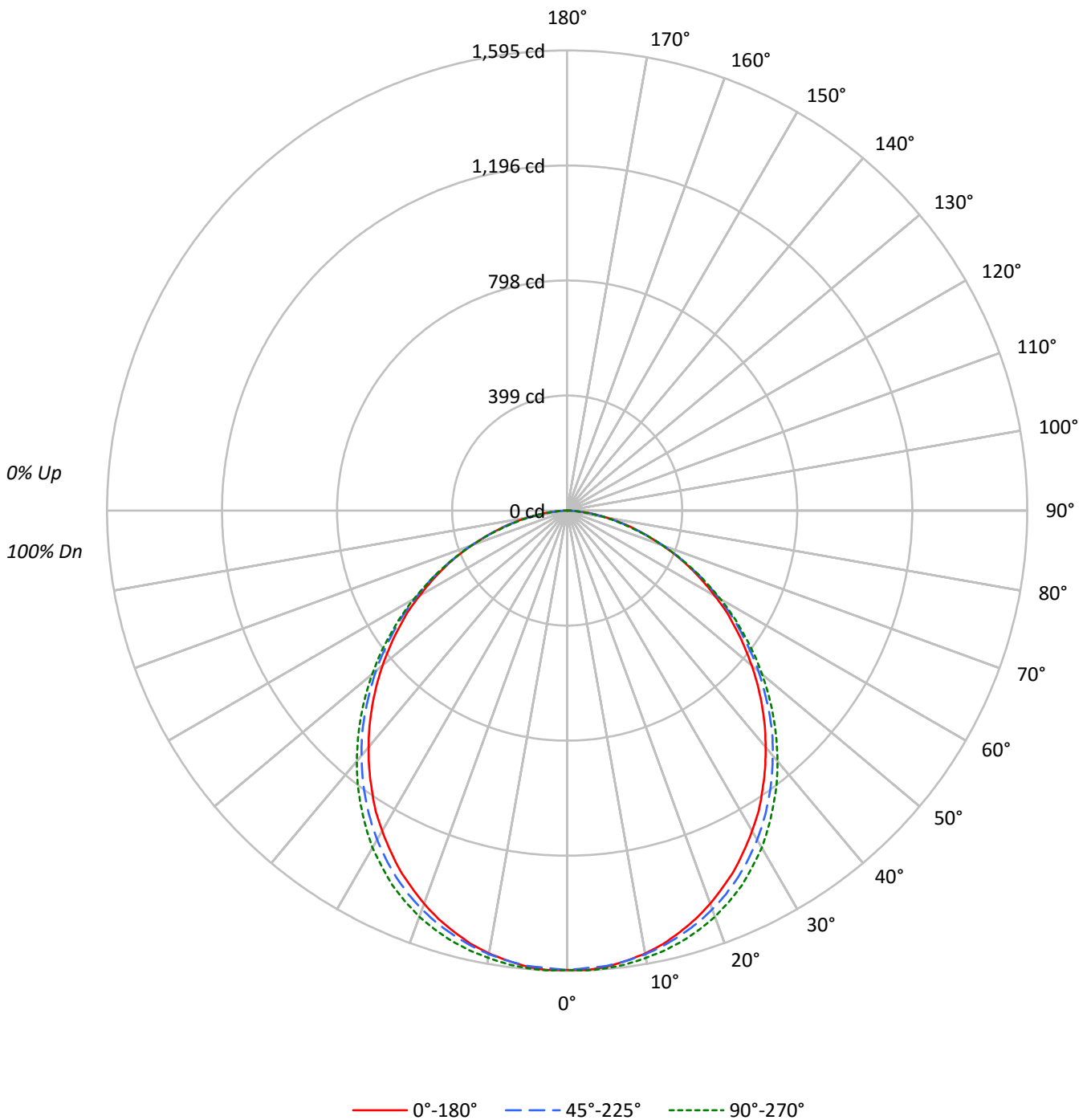
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2143	2143	2143
5°	2143	2139	2151
10°	2129	2133	2151
15°	2106	2122	2151
20°	2076	2106	2145
25°	2040	2081	2127
30°	1992	2047	2097
35°	1939	2002	2048
40°	1880	1947	1992
45°	1817	1884	1924
50°	1748	1813	1845
55°	1674	1727	1753
60°	1590	1632	1651
65°	1500	1522	1531
70°	1376	1393	1376
75°	1239	1232	1195
80°	1049	1038	1006
85°	784	763	675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.6
10°-20°	430.7	10.3
20°-30°	645.8	15.4
30°-40°	760.5	18.2
40°-50°	760.6	18.2
50°-60°	656.3	15.7
60°-70°	472.2	11.3
70°-80°	250.5	6.0
80°-90°	59.7	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°	1227.2	29.3
0°-40°	1987.7	47.5
0°-60°	3404.6	81.3
0°-90°	4187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1587	1585	1584	1590	1592	151
15°	1512	1516	1523	1539	1544	426
25°	1374	1382	1402	1426	1433	632
35°	1181	1195	1219	1240	1247	739
45°	955	968	990	1007	1011	737
55°	714	721	736	749	748	639
65°	471	472	478	481	481	466
75°	238	236	237	231	230	254
85°	51	51	49	45	44	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1593.8	1591.0	1586.8	1592.4	1595.2
5°	1586.8	1585.4	1583.9	1589.6	1592.4
7.5°	1574.1	1575.5	1574.1	1582.5	1585.4
10°	1558.6	1560.0	1561.4	1571.2	1574.1
12.5°	1538.8	1540.2	1544.4	1557.1	1561.4
15°	1512.0	1516.2	1523.3	1538.8	1544.4
17.5°	1483.8	1489.4	1499.3	1517.6	1523.3
20°	1449.9	1457.0	1471.1	1490.9	1497.9
22.5°	1411.9	1418.9	1438.7	1459.8	1466.9
25°	1373.8	1382.2	1402.0	1426.0	1433.0
27.5°	1328.6	1339.9	1361.1	1385.1	1390.7
30°	1282.1	1292.0	1317.4	1339.9	1349.8
32.5°	1235.6	1245.4	1269.4	1292.0	1299.0
35°	1180.6	1194.7	1218.6	1239.8	1246.8
37.5°	1127.0	1139.6	1165.0	1186.2	1193.2
40°	1070.5	1081.8	1108.6	1128.4	1134.0
42.5°	1014.1	1025.4	1052.2	1067.7	1073.4
45°	954.9	967.6	990.1	1007.1	1011.3
47.5°	895.6	905.5	926.7	942.2	947.8
50°	835.0	844.9	866.0	878.7	881.5
52.5°	774.3	781.4	801.1	812.4	816.7
55°	713.7	720.7	736.3	749.0	747.5
57.5°	655.9	658.7	674.2	682.7	682.7
60°	591.0	593.8	606.5	612.1	613.5
62.5°	530.3	534.6	544.4	545.8	545.8
65°	471.1	472.5	478.1	481.0	481.0
67.5°	411.9	410.4	416.1	416.1	414.7
70°	349.8	352.6	354.0	351.2	349.8
72.5°	293.4	292.0	292.0	290.6	290.6
75°	238.4	235.5	237.0	231.3	229.9
77.5°	187.6	183.4	181.9	179.1	176.3
80°	135.4	135.4	134.0	131.2	129.8
82.5°	90.3	90.3	88.9	86.0	83.2
85°	50.8	50.8	49.4	45.1	43.7
87.5°	16.9	16.9	16.9	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)