

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: P258503

Luminaire Tested: **D3X-WO-50L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258503
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-50L930-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: 4037.0 lumens
Efficiency: N/A
Efficacy: 106.8 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

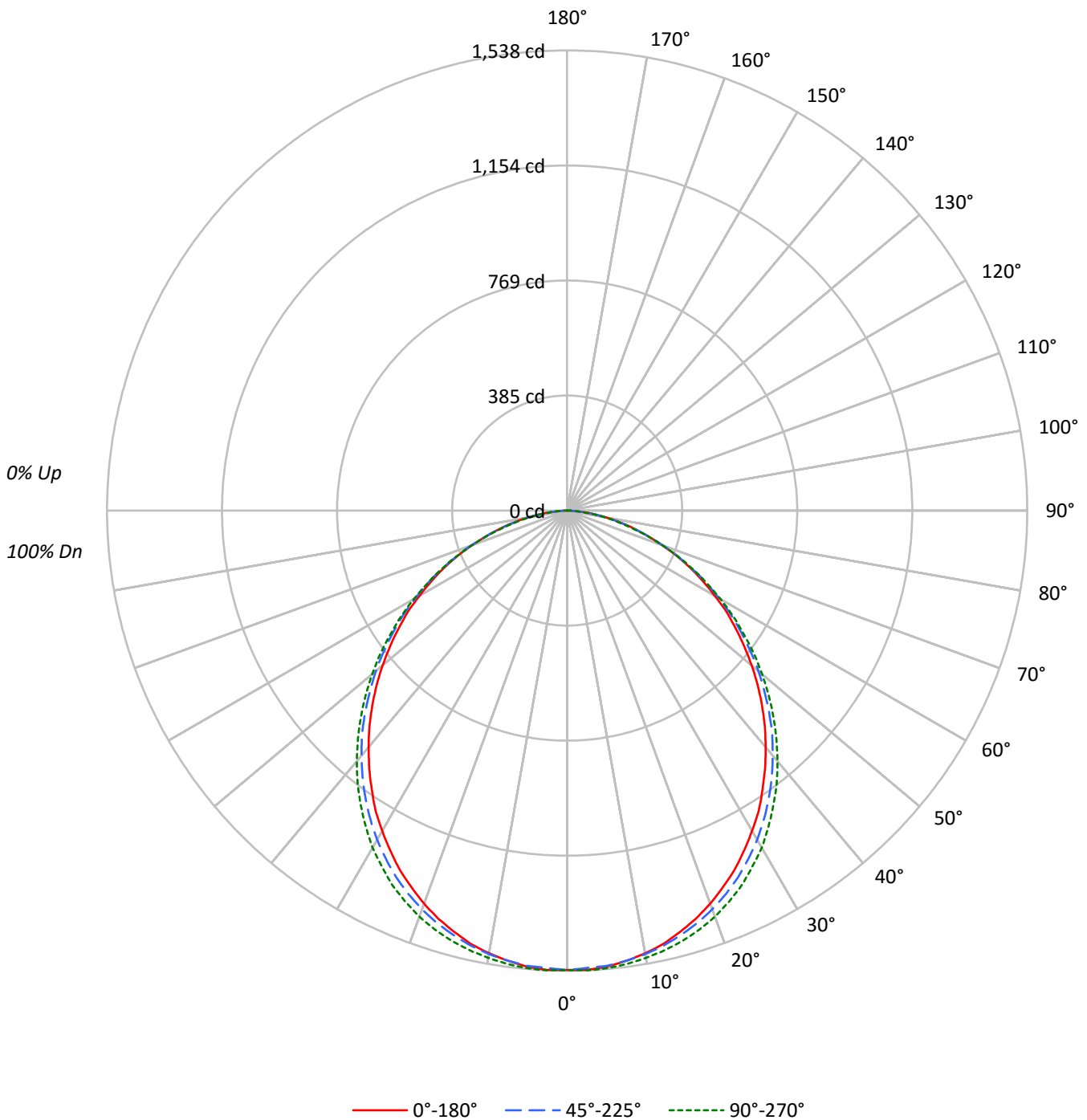
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2066	2066	2066
5°	2066	2063	2074
10°	2053	2057	2074
15°	2031	2046	2074
20°	2002	2031	2068
25°	1966	2007	2051
30°	1921	1973	2022
35°	1870	1930	1975
40°	1813	1877	1920
45°	1752	1817	1855
50°	1685	1748	1779
55°	1614	1665	1691
60°	1533	1574	1592
65°	1446	1468	1476
70°	1327	1343	1327
75°	1195	1188	1153
80°	1012	1001	969
85°	756	735	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	3.6
10°-20°	415.3	10.3
20°-30°	622.6	15.4
30°-40°	733.2	18.2
40°-50°	733.4	18.2
50°-60°	632.8	15.7
60°-70°	455.3	11.3
70°-80°	241.5	6.0
80°-90°	57.6	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°	1183.2	29.3
0°-40°	1916.5	47.5
0°-60°	3282.6	81.3
0°-90°	4037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1535	1535	1535	1535	1535	
5°	1530	1529	1527	1533	1535	145
15°	1458	1462	1469	1484	1489	411
25°	1325	1333	1352	1375	1382	609
35°	1138	1152	1175	1195	1202	712
45°	921	933	955	971	975	710
55°	688	695	710	722	721	616
65°	454	456	461	464	464	449
75°	230	227	228	223	222	245
85°	49	49	48	44	42	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1535.4	1535.4	1535.4	1535.4	1535.4
2.5°	1536.7	1534.0	1529.9	1535.4	1538.1
5°	1529.9	1528.6	1527.2	1532.6	1535.4
7.5°	1517.7	1519.0	1517.7	1525.8	1528.6
10°	1502.7	1504.1	1505.4	1515.0	1517.7
12.5°	1483.7	1485.0	1489.1	1501.4	1505.4
15°	1457.8	1461.9	1468.7	1483.7	1489.1
17.5°	1430.6	1436.1	1445.6	1463.3	1468.7
20°	1398.0	1404.8	1418.4	1437.4	1444.2
22.5°	1361.3	1368.1	1387.1	1407.5	1414.3
25°	1324.6	1332.7	1351.8	1374.9	1381.7
27.5°	1281.1	1291.9	1312.3	1335.4	1340.9
30°	1236.2	1245.7	1270.2	1291.9	1301.4
32.5°	1191.3	1200.8	1223.9	1245.7	1252.5
35°	1138.3	1151.9	1175.0	1195.4	1202.2
37.5°	1086.6	1098.8	1123.3	1143.7	1150.5
40°	1032.2	1043.1	1068.9	1087.9	1093.4
42.5°	977.8	988.7	1014.5	1029.5	1034.9
45°	920.7	932.9	954.7	971.0	975.1
47.5°	863.6	873.1	893.5	908.4	913.9
50°	805.1	814.6	835.0	847.2	850.0
52.5°	746.6	753.4	772.4	783.3	787.4
55°	688.1	694.9	709.9	722.1	720.8
57.5°	632.4	635.1	650.0	658.2	658.2
60°	569.8	572.5	584.8	590.2	591.6
62.5°	511.3	515.4	524.9	526.3	526.3
65°	454.2	455.6	461.0	463.7	463.7
67.5°	397.1	395.7	401.2	401.2	399.8
70°	337.3	340.0	341.3	338.6	337.3
72.5°	282.9	281.5	281.5	280.1	280.1
75°	229.8	227.1	228.5	223.0	221.7
77.5°	180.9	176.8	175.4	172.7	170.0
80°	130.6	130.6	129.2	126.5	125.1
82.5°	87.0	87.0	85.7	83.0	80.2
85°	49.0	49.0	47.6	43.5	42.2
87.5°	16.3	16.3	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)