

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: P257579

Luminaire Tested: **D3X-WO-40L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-40L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3628.5 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

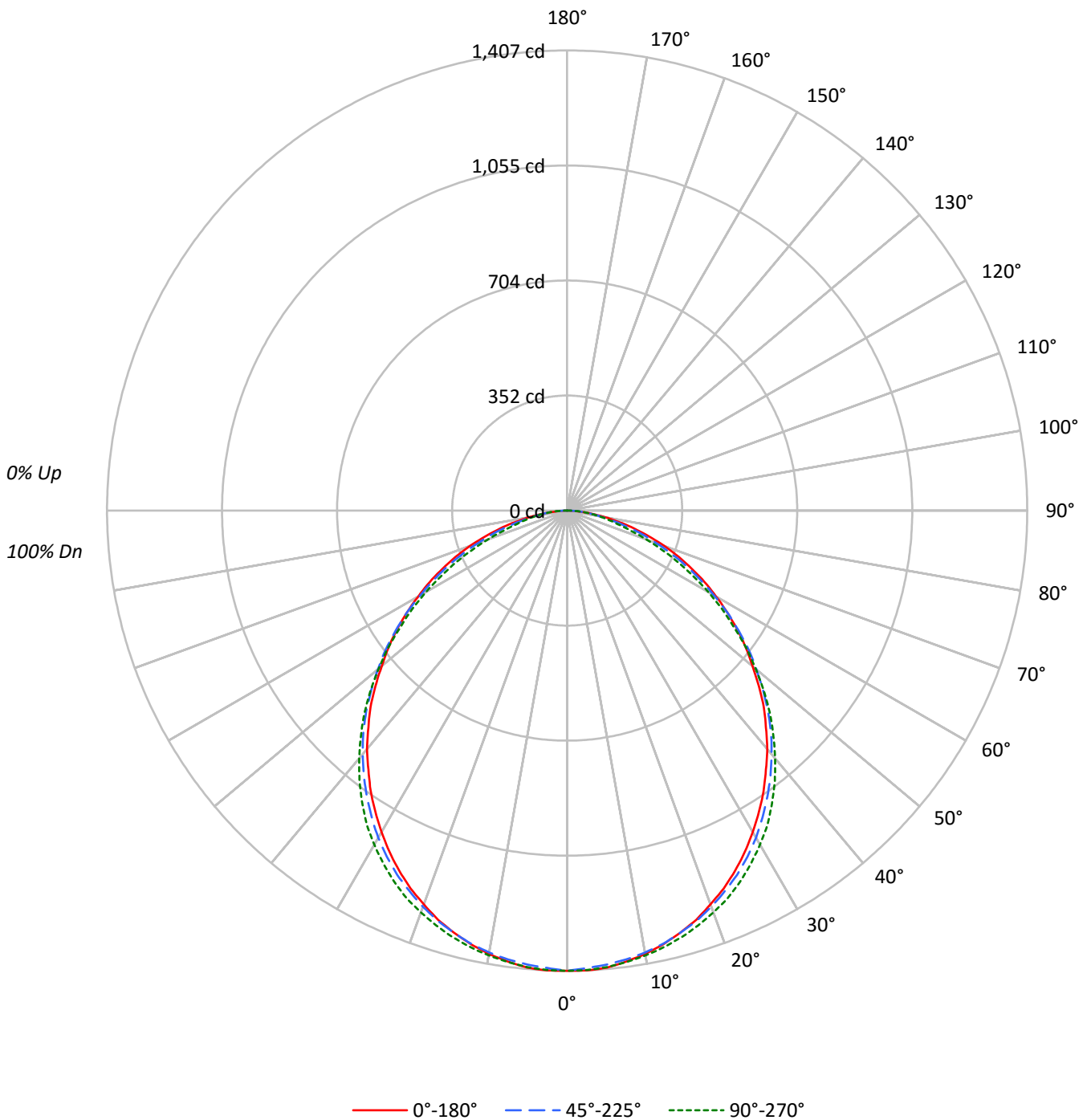
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257579

CATALOG NUMBER: D3X-WO-40L935-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257579

CATALOG NUMBER: D3X-WO-40L935-LD5-UNV-14-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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3787	3787	3787
5°	3789	3764	3785
10°	3762	3749	3774
15°	3724	3724	3762
20°	3669	3691	3744
25°	3608	3649	3717
30°	3527	3589	3666
35°	3441	3506	3588
40°	3345	3415	3474
45°	3237	3307	3336
50°	3097	3162	3149
55°	2980	3002	2922
60°	2831	2789	2682
65°	2674	2566	2390
70°	2481	2275	2021
75°	2207	1951	1664
80°	1835	1598	1550
85°	1331	1423	1423



TEST NUMBER: P257579

CATALOG NUMBER: D3X-WO-40L935-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	3.7
10°-20°	378.3	10.4
20°-30°	567.0	15.6
30°-40°	668.1	18.4
40°-50°	666.3	18.4
50°-60°	566.8	15.6
60°-70°	395.6	10.9
70°-80°	201.1	5.5
80°-90°	52.5	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°	1078.2	29.7
0°-40°	1746.3	48.1
0°-60°	2979.3	82.1
0°-90°	3628.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3628.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1403	1400	1394	1401	1401	133
15°	1337	1337	1337	1349	1350	377
25°	1215	1217	1229	1247	1252	559
35°	1047	1049	1067	1089	1092	654
45°	851	854	869	875	877	654
55°	635	635	640	631	623	568
65°	420	414	403	381	375	416
75°	212	205	188	165	160	225
85°	43	45	46	46	46	53
90°	0	0	0	0	0	



TEST NUMBER: P257579

CATALOG NUMBER: D3X-WO-40L935-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.4	1407.4	1407.4	1407.4	1407.4
2.5°	1407.4	1405.8	1399.7	1405.8	1405.8
5°	1402.8	1399.7	1393.5	1401.2	1401.2
7.5°	1390.4	1388.9	1384.3	1392.0	1392.0
10°	1376.6	1375.1	1372.0	1381.2	1381.2
12.5°	1358.1	1358.1	1356.6	1365.8	1367.4
15°	1336.6	1336.6	1336.6	1348.9	1350.5
17.5°	1312.0	1310.5	1315.1	1328.9	1330.5
20°	1281.2	1282.8	1288.9	1304.3	1307.4
22.5°	1250.5	1252.0	1259.7	1278.2	1282.8
25°	1215.1	1216.6	1228.9	1247.4	1252.0
27.5°	1176.6	1179.7	1193.6	1213.6	1216.6
30°	1135.1	1138.2	1155.1	1175.1	1179.7
32.5°	1092.1	1096.7	1112.0	1133.6	1139.7
35°	1047.4	1049.0	1067.4	1089.0	1092.1
37.5°	998.2	1002.8	1021.3	1039.8	1042.8
40°	952.1	955.2	972.1	987.5	989.0
42.5°	899.8	904.4	922.9	933.6	933.6
45°	850.6	853.6	869.0	875.2	876.7
47.5°	795.2	798.3	812.1	815.2	815.2
50°	739.8	747.5	755.2	755.2	752.1
52.5°	689.1	690.6	699.8	693.7	690.6
55°	635.2	635.2	639.9	630.6	622.9
57.5°	581.4	581.4	581.4	569.1	562.9
60°	526.0	524.5	518.3	503.0	498.3
62.5°	473.7	469.1	459.9	444.5	435.3
65°	419.9	413.8	403.0	381.4	375.3
67.5°	369.1	358.4	346.1	326.1	315.3
70°	315.3	306.1	289.2	266.1	256.9
72.5°	263.0	253.8	239.9	216.9	203.0
75°	212.3	204.6	187.6	164.6	160.0
77.5°	163.0	158.4	141.5	130.7	129.2
80°	118.4	116.9	103.1	100.0	100.0
82.5°	78.4	76.9	72.3	72.3	70.8
85°	43.1	44.6	46.1	46.1	46.1
87.5°	15.4	18.5	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)