

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P#

Luminaire Tested: 14D3X-LP-40-L935.ies

Issue Date: 2/27/2025

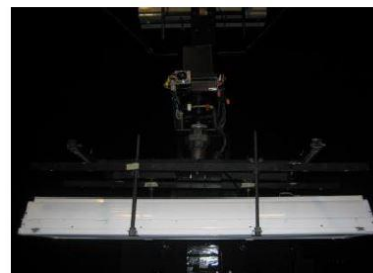
Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab: INNOVATION CENTER
Issue Date: 2/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-40-L935.ies
Description: 1x4 D3X-LP AT 4000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3551.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

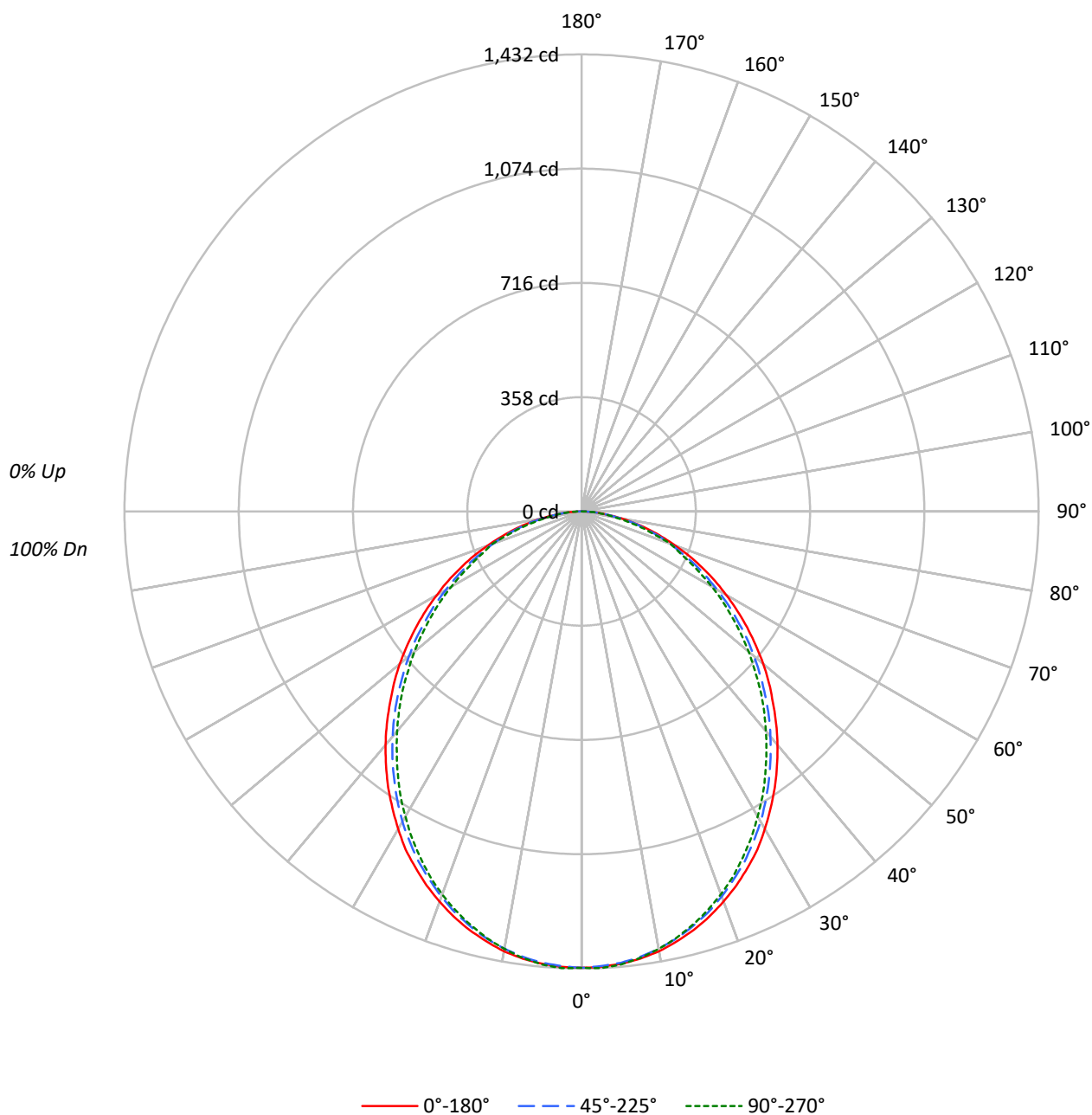
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-40-L935.ies

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	106	102	98	95	98	95	92	94	92	89	91	88	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	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		
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	56	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	65	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	45	36	31	56	44	36	31	43	36	31	42	35	31	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°	3848	3848	3848
5°	3843	3834	3848
10°	3824	3801	3804
15°	3782	3750	3738
20°	3725	3677	3656
25°	3657	3591	3551
30°	3569	3488	3429
35°	3470	3363	3297
40°	3356	3235	3157
45°	3228	3097	3017
50°	3112	2954	2861
55°	2970	2798	2700
60°	2814	2639	2537
65°	2654	2480	2367
70°	2453	2313	2338
75°	2259	2128	2019
80°	1968	1888	1692
85°	1652	1556	1556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3228 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-40-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	3.8
10°-20°	380.0	10.7
20°-30°	557.6	15.7
30°-40°	642.2	18.1
40°-50°	630.4	17.8
50°-60°	537.5	15.1
60°-70°	388.8	10.9
70°-80°	218.6	6.2
80°-90°	61.1	1.7
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°	1072.4	30.2
0°-40°	1714.6	48.3
0°-60°	2882.5	81.2
0°-90°	3551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1423	1424	1420	1424	1425	135
15°	1358	1355	1346	1344	1342	383
25°	1232	1222	1210	1200	1196	567
35°	1056	1044	1024	1010	1004	660
45°	848	838	814	798	793	656
55°	633	620	596	582	575	566
65°	417	405	390	375	372	414
75°	217	213	205	196	194	230
85°	54	56	50	50	50	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1430.0	1430.0	1430.0	1430.0	1430.0
2.5°	1427.9	1428.9	1425.8	1431.0	1432.1
5°	1422.6	1423.7	1419.5	1423.7	1424.7
7.5°	1413.2	1413.2	1407.9	1411.1	1411.1
10°	1399.5	1397.4	1391.1	1392.2	1392.2
12.5°	1379.6	1379.6	1371.2	1371.2	1369.1
15°	1357.5	1355.4	1346.0	1343.9	1341.8
17.5°	1331.3	1328.1	1317.6	1313.4	1311.3
20°	1300.9	1295.6	1284.1	1278.8	1276.7
22.5°	1268.3	1261.0	1247.3	1241.0	1238.9
25°	1231.6	1222.1	1209.5	1200.1	1195.9
27.5°	1193.8	1184.3	1166.5	1156.0	1151.8
30°	1148.6	1139.2	1122.4	1109.8	1103.5
32.5°	1102.4	1094.0	1074.1	1060.4	1056.2
35°	1056.2	1043.6	1023.7	1010.0	1003.7
37.5°	1005.8	995.3	973.3	958.6	951.2
40°	955.4	944.9	920.8	905.0	898.7
42.5°	902.9	889.3	868.3	851.5	846.2
45°	848.3	837.8	813.7	797.9	792.7
47.5°	796.9	781.1	759.1	743.3	736.0
50°	743.3	728.6	705.5	688.7	683.5
52.5°	687.7	675.1	652.0	635.2	628.9
55°	633.1	619.5	596.4	581.7	575.4
57.5°	578.5	565.9	544.9	528.1	523.9
60°	522.9	511.3	490.3	476.7	471.4
62.5°	471.4	457.8	438.9	425.2	420.0
65°	416.8	405.3	389.5	374.8	371.7
67.5°	366.4	358.0	338.1	327.6	328.6
70°	311.8	311.8	294.0	283.5	297.1
72.5°	263.5	264.6	248.8	242.5	237.3
75°	217.3	213.1	204.7	196.3	194.2
77.5°	171.1	173.2	165.9	150.1	148.0
80°	127.0	138.6	121.8	111.3	109.2
82.5°	87.1	98.7	84.0	78.7	77.7
85°	53.5	55.6	50.4	50.4	50.4
87.5°	23.1	26.2	25.2	25.2	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)