

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-35-L850.ies

Issue Date: 2/27/2025

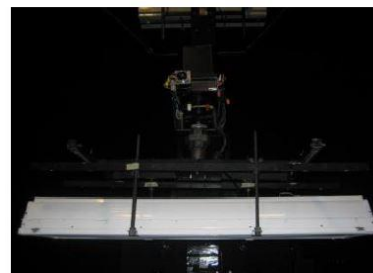
Test Information

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-35-L850.ies
Description: 1x4 D3X-LP AT 3500lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

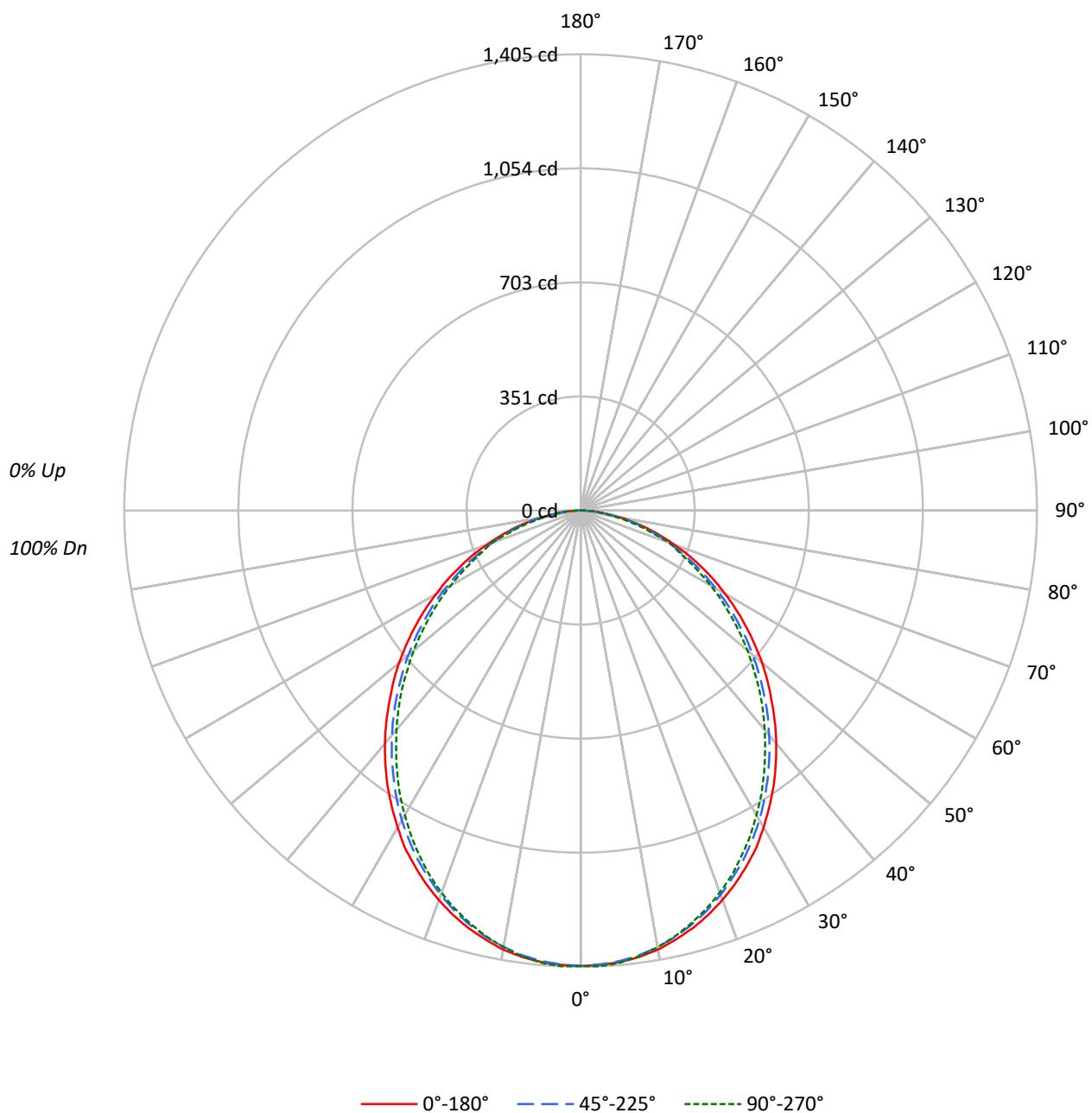
Lumens per Lamp: N/A
Luminaire Lumens: 3483.6 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: 24 FT



TEST NUMBER: P#
CATALOG NUMBER: 14D3X-LP-35-L850.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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3775	3775	3775
5°	3770	3762	3776
10°	3752	3729	3732
15°	3710	3679	3667
20°	3655	3607	3587
25°	3587	3523	3483
30°	3501	3421	3364
35°	3404	3299	3235
40°	3293	3173	3097
45°	3167	3038	2959
50°	3053	2898	2807
55°	2914	2745	2648
60°	2760	2589	2489
65°	2604	2433	2322
70°	2407	2269	2293
75°	2217	2088	1981
80°	1931	1852	1660
85°	1621	1525	1525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.3	3.8
10°-20°	372.7	10.7
20°-30°	547.0	15.7
30°-40°	630.0	18.1
40°-50°	618.4	17.8
50°-60°	527.3	15.1
60°-70°	381.4	10.9
70°-80°	214.5	6.2
80°-90°	59.9	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°	1052.1	30.2
0°-40°	1682.0	48.3
0°-60°	2827.7	81.2
0°-90°	3483.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3483.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1396	1397	1392	1397	1398	133
15°	1332	1330	1320	1318	1316	375
25°	1208	1199	1186	1177	1173	556
35°	1036	1024	1004	991	985	647
45°	832	822	798	783	778	643
55°	621	608	585	571	564	555
65°	409	398	382	368	365	406
75°	213	209	201	193	190	225
85°	52	55	49	49	49	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.8	1402.8	1402.8	1402.8	1402.8
2.5°	1400.8	1401.8	1398.7	1403.9	1404.9
5°	1395.6	1396.7	1392.5	1396.7	1397.7
7.5°	1386.4	1386.4	1381.2	1384.3	1384.3
10°	1373.0	1370.9	1364.7	1365.8	1365.8
12.5°	1353.4	1353.4	1345.2	1345.2	1343.1
15°	1331.8	1329.7	1320.4	1318.4	1316.3
17.5°	1306.0	1302.9	1292.6	1288.5	1286.5
20°	1276.2	1271.0	1259.7	1254.5	1252.5
22.5°	1244.2	1237.0	1223.6	1217.4	1215.4
25°	1208.2	1198.9	1186.5	1177.3	1173.2
27.5°	1171.1	1161.8	1144.3	1134.0	1129.9
30°	1126.8	1117.5	1101.1	1088.7	1082.5
32.5°	1081.5	1073.2	1053.7	1040.3	1036.2
35°	1036.2	1023.8	1004.2	990.8	984.7
37.5°	986.7	976.4	954.8	940.4	933.2
40°	937.3	927.0	903.3	887.8	881.7
42.5°	885.8	872.4	851.8	835.3	830.2
45°	832.2	821.9	798.2	782.8	777.6
47.5°	781.8	766.3	744.7	729.2	722.0
50°	729.2	714.8	692.2	675.7	670.5
52.5°	674.6	662.3	639.6	623.1	617.0
55°	621.1	607.7	585.0	570.6	564.4
57.5°	567.5	555.2	534.6	518.1	514.0
60°	512.9	501.6	481.0	467.6	462.5
62.5°	462.5	449.1	430.5	417.1	412.0
65°	408.9	397.6	382.1	367.7	364.6
67.5°	359.5	351.2	331.7	321.4	322.4
70°	305.9	305.9	288.4	278.1	291.5
72.5°	258.5	259.6	244.1	237.9	232.8
75°	213.2	209.1	200.8	192.6	190.5
77.5°	167.9	169.9	162.7	147.3	145.2
80°	124.6	136.0	119.5	109.2	107.1
82.5°	85.5	96.8	82.4	77.2	76.2
85°	52.5	54.6	49.4	49.4	49.4
87.5°	22.7	25.7	24.7	24.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)