

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-L935.ies

Issue Date: 2/27/2025

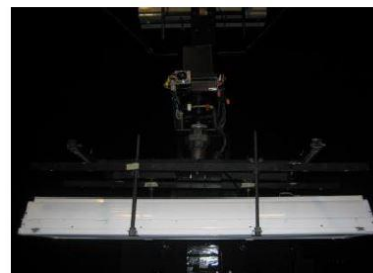
Test Information

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-35-L935.ies
Description: 1x4 D3X-LP AT 3500lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2838.0 lumens
Efficiency: N/A
Efficacy: 75.1 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

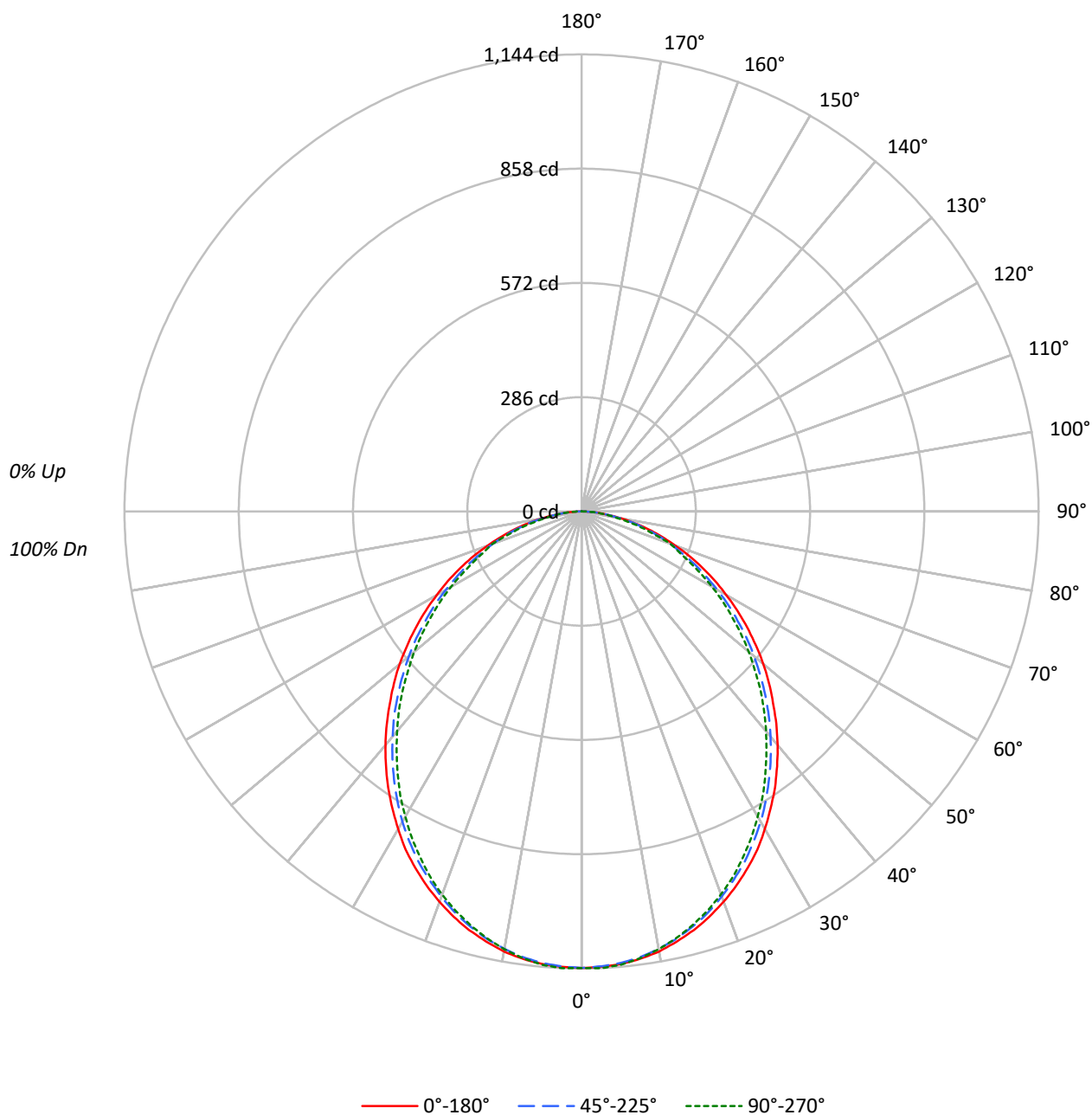
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L935.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L935.ies

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°	3076	3076	3076
5°	3071	3065	3076
10°	3056	3038	3040
15°	3023	2997	2988
20°	2977	2939	2922
25°	2923	2870	2838
30°	2852	2787	2740
35°	2773	2688	2635
40°	2682	2585	2523
45°	2580	2475	2411
50°	2487	2361	2287
55°	2374	2236	2157
60°	2249	2109	2028
65°	2121	1982	1891
70°	1961	1849	1869
75°	1806	1701	1614
80°	1573	1508	1353
85°	1321	1244	1244

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2580 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.8
10°-20°	303.7	10.7
20°-30°	445.6	15.7
30°-40°	513.2	18.1
40°-50°	503.8	17.8
50°-60°	429.6	15.1
60°-70°	310.7	10.9
70°-80°	174.7	6.2
80°-90°	48.8	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°	857.1	30.2
0°-40°	1370.3	48.3
0°-60°	2303.7	81.2
0°-90°	2838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1137	1138	1134	1138	1139	108
15°	1085	1083	1076	1074	1072	306
25°	984	977	967	959	956	453
35°	844	834	818	807	802	527
45°	678	670	650	638	634	524
55°	506	495	477	465	460	452
65°	333	324	311	300	297	331
75°	174	170	164	157	155	184
85°	43	44	40	40	40	49
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-35-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1142.9	1142.9	1142.9	1142.9	1142.9
2.5°	1141.2	1142.0	1139.5	1143.7	1144.5
5°	1137.0	1137.8	1134.5	1137.8	1138.7
7.5°	1129.4	1129.4	1125.2	1127.8	1127.8
10°	1118.5	1116.9	1111.8	1112.7	1112.7
12.5°	1102.6	1102.6	1095.9	1095.9	1094.2
15°	1085.0	1083.3	1075.7	1074.1	1072.4
17.5°	1064.0	1061.5	1053.1	1049.7	1048.0
20°	1039.7	1035.5	1026.2	1022.0	1020.4
22.5°	1013.6	1007.8	996.9	991.8	990.1
25°	984.3	976.7	966.7	959.1	955.7
27.5°	954.1	946.5	932.2	923.9	920.5
30°	918.0	910.4	897.0	886.9	881.9
32.5°	881.1	874.4	858.4	847.5	844.1
35°	844.1	834.1	818.1	807.2	802.2
37.5°	803.9	795.5	777.9	766.1	760.2
40°	763.6	755.2	735.9	723.3	718.3
42.5°	721.6	710.7	693.9	680.5	676.3
45°	678.0	669.6	650.3	637.7	633.5
47.5°	636.9	624.3	606.7	594.1	588.2
50°	594.1	582.3	563.9	550.5	546.3
52.5°	549.6	539.5	521.1	507.7	502.6
55°	506.0	495.1	476.6	464.9	459.8
57.5°	462.3	452.3	435.5	422.1	418.7
60°	417.9	408.6	391.9	381.0	376.8
62.5°	376.8	365.9	350.7	339.8	335.6
65°	333.1	323.9	311.3	299.6	297.0
67.5°	292.8	286.1	270.2	261.8	262.6
70°	249.2	249.2	235.0	226.6	237.5
72.5°	210.6	211.5	198.9	193.8	189.6
75°	173.7	170.3	163.6	156.9	155.2
77.5°	136.8	138.5	132.6	120.0	118.3
80°	101.5	110.8	97.3	88.9	87.3
82.5°	69.6	78.9	67.1	62.9	62.1
85°	42.8	44.5	40.3	40.3	40.3
87.5°	18.5	21.0	20.1	20.1	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)