

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-L830.ies

Issue Date: 2/27/2025

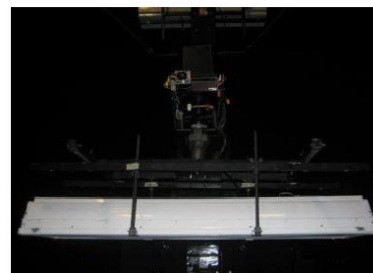
Test Information

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-L830.ies
Description: 1x4 D3X-LP AT 3500lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

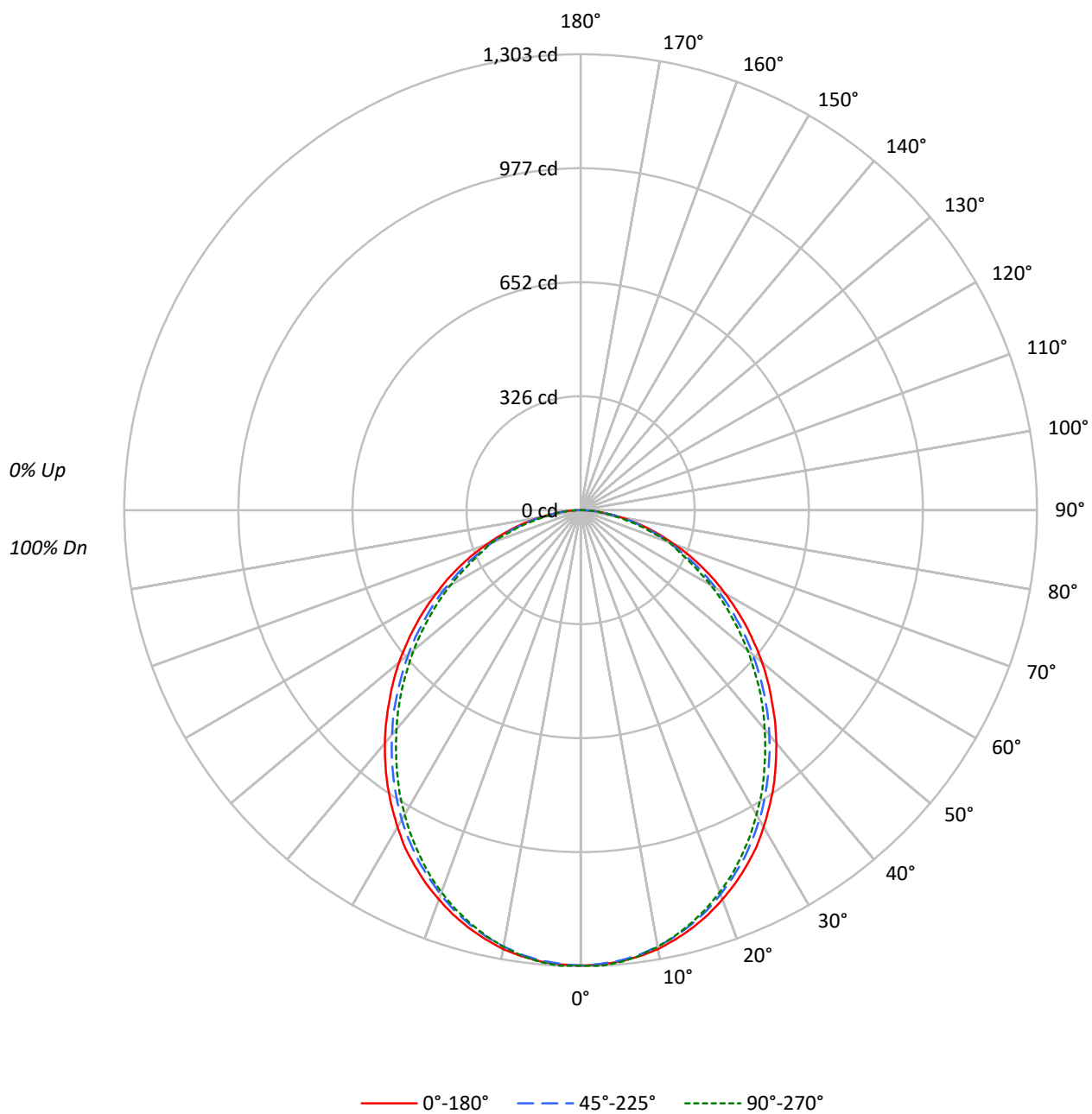
Lumens per Lamp: N/A
Luminaire Lumens: 3232.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3502	3502	3502
5°	3498	3490	3503
10°	3481	3460	3462
15°	3442	3413	3402
20°	3391	3347	3328
25°	3328	3269	3232
30°	3248	3174	3121
35°	3158	3061	3001
40°	3055	2944	2873
45°	2938	2818	2746
50°	2833	2689	2604
55°	2703	2547	2457
60°	2561	2402	2309
65°	2416	2257	2154
70°	2233	2105	2127
75°	2057	1937	1838
80°	1791	1717	1540
85°	1504	1417	1417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2938 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.8
10°-20°	345.8	10.7
20°-30°	507.5	15.7
30°-40°	584.5	18.1
40°-50°	573.8	17.8
50°-60°	489.2	15.1
60°-70°	353.9	10.9
70°-80°	199.0	6.2
80°-90°	55.6	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°	976.1	30.2
0°-40°	1560.6	48.3
0°-60°	2623.5	81.2
0°-90°	3232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1295	1296	1292	1296	1297	123
15°	1236	1234	1225	1223	1221	348
25°	1121	1112	1101	1092	1088	516
35°	961	950	932	919	914	601
45°	772	763	741	726	722	597
55°	576	564	543	529	524	515
65°	379	369	354	341	338	376
75°	198	194	186	179	177	209
85°	49	51	46	46	46	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.5	1301.5	1301.5	1301.5	1301.5
2.5°	1299.6	1300.6	1297.7	1302.5	1303.4
5°	1294.8	1295.8	1292.0	1295.8	1296.8
7.5°	1286.2	1286.2	1281.5	1284.3	1284.3
10°	1273.8	1271.9	1266.2	1267.1	1267.1
12.5°	1255.7	1255.7	1248.0	1248.0	1246.1
15°	1235.6	1233.7	1225.1	1223.2	1221.3
17.5°	1211.7	1208.8	1199.3	1195.5	1193.5
20°	1184.0	1179.2	1168.7	1163.9	1162.0
22.5°	1154.4	1147.7	1135.3	1129.5	1127.6
25°	1120.9	1112.3	1100.9	1092.3	1088.4
27.5°	1086.5	1077.9	1061.7	1052.1	1048.3
30°	1045.4	1036.8	1021.5	1010.1	1004.3
32.5°	1003.4	995.7	977.6	965.2	961.3
35°	961.3	949.9	931.7	919.3	913.6
37.5°	915.5	905.9	885.8	872.5	865.8
40°	869.6	860.0	838.1	823.7	818.0
42.5°	821.8	809.4	790.3	775.0	770.2
45°	772.1	762.6	740.6	726.3	721.5
47.5°	725.3	711.0	690.9	676.6	669.9
50°	676.6	663.2	642.2	626.9	622.1
52.5°	625.9	614.5	593.4	578.1	572.4
55°	576.2	563.8	542.8	529.4	523.7
57.5°	526.5	515.1	496.0	480.7	476.8
60°	475.9	465.4	446.3	433.8	429.1
62.5°	429.1	416.6	399.4	387.0	382.2
65°	379.4	368.9	354.5	341.1	338.3
67.5°	333.5	325.9	307.7	298.1	299.1
70°	283.8	283.8	267.6	258.0	270.4
72.5°	239.9	240.8	226.5	220.7	216.0
75°	197.8	194.0	186.3	178.7	176.8
77.5°	155.8	157.7	151.0	136.7	134.7
80°	115.6	126.1	110.8	101.3	99.4
82.5°	79.3	89.8	76.4	71.7	70.7
85°	48.7	50.6	45.9	45.9	45.9
87.5°	21.0	23.9	22.9	22.9	23.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)