

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-L830.ies

Issue Date: 2/27/2025

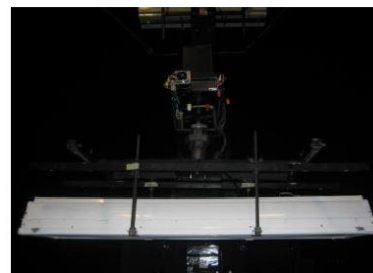
Test Information

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-40-L830.ies
Description: 1x4 D3X-LP AT 4000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

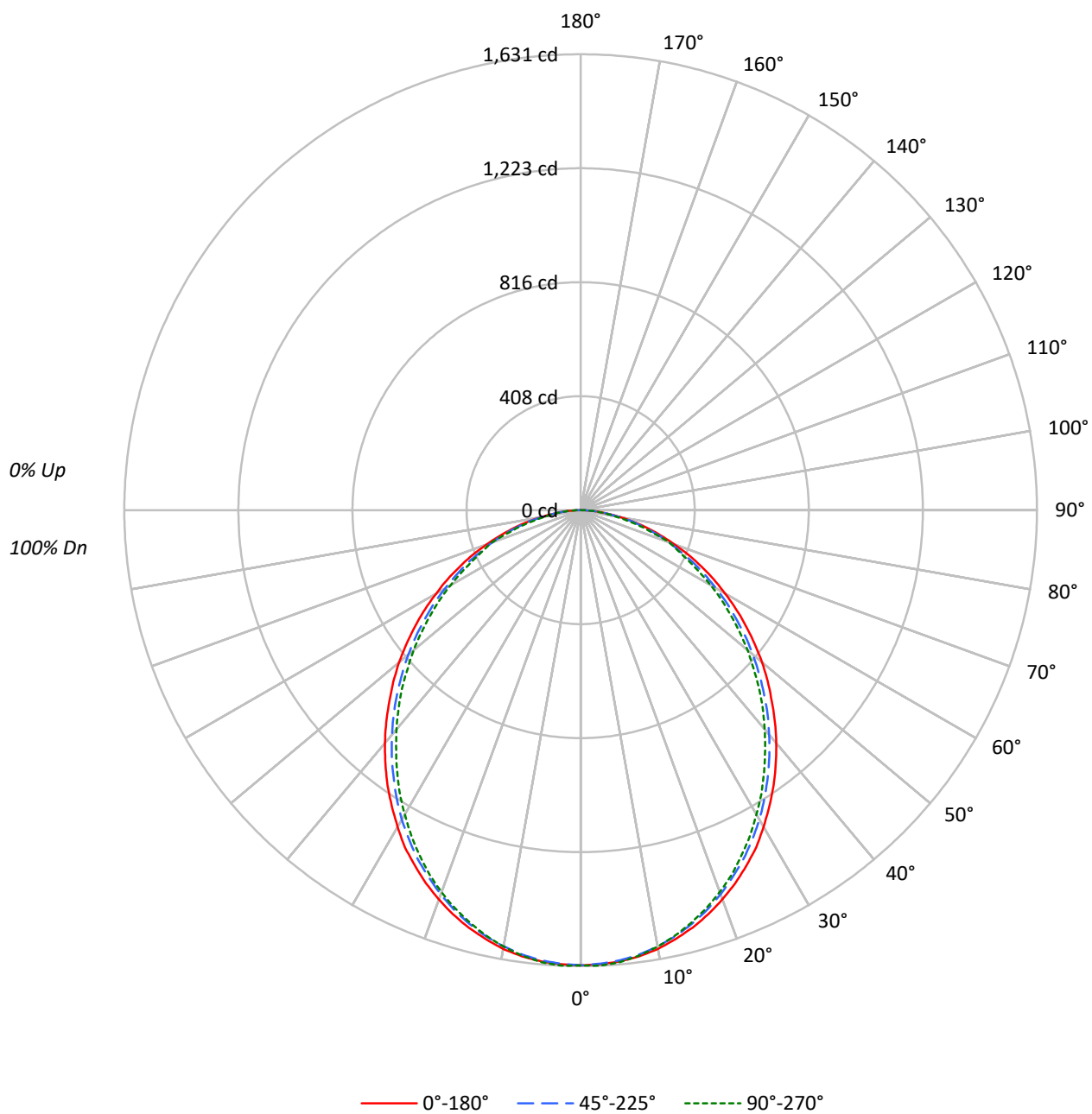
Lumens per Lamp: N/A
Luminaire Lumens: 4044.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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	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°	4382	4382	4382
5°	4377	4367	4383
10°	4355	4329	4332
15°	4307	4271	4257
20°	4243	4188	4164
25°	4164	4090	4044
30°	4065	3972	3905
35°	3952	3830	3755
40°	3822	3684	3595
45°	3677	3527	3435
50°	3544	3364	3259
55°	3383	3186	3074
60°	3205	3005	2890
65°	3023	2825	2695
70°	2794	2634	2662
75°	2573	2425	2300
80°	2242	2149	1928
85°	1883	1772	1772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	3.8
10°-20°	432.7	10.7
20°-30°	635.0	15.7
30°-40°	731.3	18.1
40°-50°	717.9	17.8
50°-60°	612.1	15.1
60°-70°	442.8	10.9
70°-80°	249.0	6.2
80°-90°	69.6	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°	1221.3	30.2
0°-40°	1952.6	48.3
0°-60°	3282.6	81.2
0°-90°	4044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1628	1628	1628	1628	1628	
5°	1620	1621	1617	1621	1622	154
15°	1546	1544	1533	1530	1528	436
25°	1402	1392	1377	1367	1362	646
35°	1203	1188	1166	1150	1143	751
45°	966	954	927	909	903	747
55°	721	706	679	662	655	645
65°	475	462	444	427	423	471
75°	248	243	233	224	221	262
85°	61	63	57	57	57	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1628.5	1628.5	1628.5	1628.5	1628.5
2.5°	1626.1	1627.3	1623.7	1629.7	1630.9
5°	1620.2	1621.3	1616.6	1621.3	1622.5
7.5°	1609.4	1609.4	1603.4	1607.0	1607.0
10°	1593.8	1591.5	1584.3	1585.5	1585.5
12.5°	1571.1	1571.1	1561.6	1561.6	1559.2
15°	1546.0	1543.6	1532.9	1530.5	1528.1
17.5°	1516.1	1512.5	1500.6	1495.8	1493.4
20°	1481.5	1475.5	1462.3	1456.3	1454.0
22.5°	1444.4	1436.0	1420.5	1413.3	1410.9
25°	1402.5	1391.8	1377.4	1366.7	1361.9
27.5°	1359.5	1348.7	1328.4	1316.4	1311.7
30°	1308.1	1297.3	1278.2	1263.8	1256.7
32.5°	1255.5	1245.9	1223.2	1207.6	1202.9
35°	1202.9	1188.5	1165.8	1150.2	1143.1
37.5°	1145.5	1133.5	1108.4	1091.7	1083.3
40°	1088.1	1076.1	1048.6	1030.7	1023.5
42.5°	1028.3	1012.7	988.8	969.7	963.7
45°	966.1	954.2	926.7	908.7	902.7
47.5°	907.5	889.6	864.5	846.5	838.2
50°	846.5	829.8	803.5	784.4	778.4
52.5°	783.2	768.8	742.5	723.4	716.2
55°	721.0	705.5	679.1	662.4	655.2
57.5°	658.8	644.5	620.6	601.4	596.6
60°	595.5	582.3	558.4	542.8	536.9
62.5°	536.9	521.3	499.8	484.3	478.3
65°	474.7	461.5	443.6	426.9	423.3
67.5°	417.3	407.7	385.0	373.1	374.2
70°	355.1	355.1	334.8	322.8	338.4
72.5°	300.1	301.3	283.4	276.2	270.2
75°	247.5	242.7	233.2	223.6	221.2
77.5°	194.9	197.3	188.9	171.0	168.6
80°	144.7	157.8	138.7	126.7	124.4
82.5°	99.2	112.4	95.7	89.7	88.5
85°	61.0	63.4	57.4	57.4	57.4
87.5°	26.3	29.9	28.7	28.7	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)