

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-20-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-20-L830.ies
Description: 1x4 D3X-LP AT 2000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 89.7 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

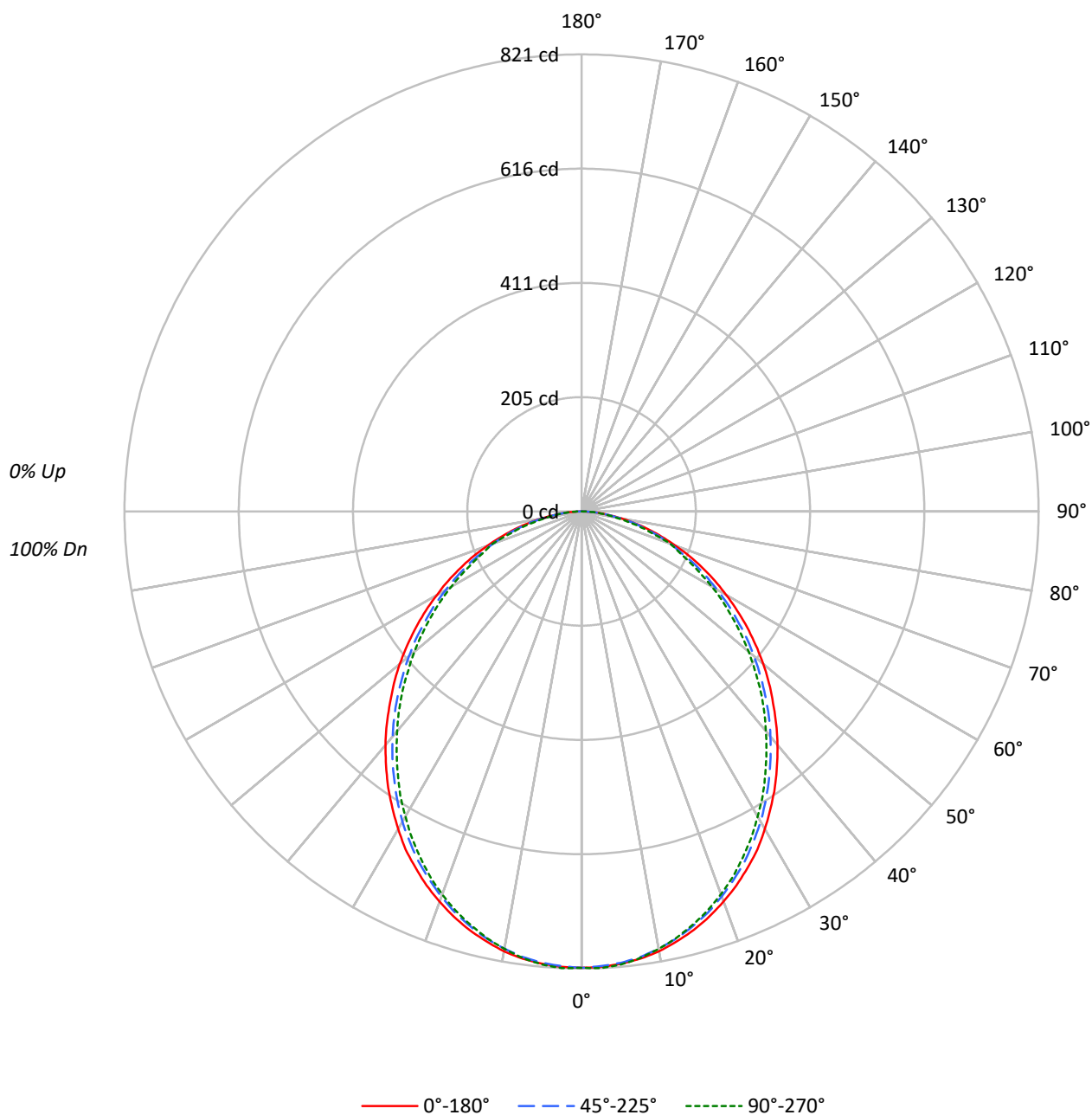
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2206	2206	2206
5°	2203	2199	2207
10°	2193	2179	2181
15°	2169	2150	2143
20°	2136	2108	2096
25°	2097	2059	2036
30°	2046	2000	1966
35°	1989	1928	1891
40°	1924	1854	1810
45°	1851	1775	1730
50°	1784	1693	1641
55°	1703	1604	1548
60°	1614	1513	1455
65°	1522	1422	1357
70°	1407	1327	1341
75°	1295	1221	1158
80°	1128	1082	970
85°	948	892	892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	3.8
10°-20°	217.9	10.7
20°-30°	319.7	15.7
30°-40°	368.2	18.1
40°-50°	361.4	17.8
50°-60°	308.2	15.1
60°-70°	222.9	10.9
70°-80°	125.4	6.2
80°-90°	35.0	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°	614.9	30.2
0°-40°	983.1	48.3
0°-60°	1652.7	81.2
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	816	816	814	816	817	77
15°	778	777	772	770	769	219
25°	706	701	694	688	686	325
35°	606	598	587	579	576	378
45°	486	480	466	458	454	376
55°	363	355	342	334	330	325
65°	239	232	223	215	213	237
75°	125	122	117	113	111	132
85°	31	32	29	29	29	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.9	819.9	819.9	819.9	819.9
2.5°	818.7	819.3	817.5	820.5	821.1
5°	815.7	816.3	813.9	816.3	816.9
7.5°	810.3	810.3	807.3	809.1	809.1
10°	802.4	801.2	797.6	798.2	798.2
12.5°	791.0	791.0	786.2	786.2	785.0
15°	778.4	777.2	771.7	770.5	769.3
17.5°	763.3	761.5	755.5	753.1	751.9
20°	745.9	742.8	736.2	733.2	732.0
22.5°	727.2	723.0	715.2	711.5	710.3
25°	706.1	700.7	693.5	688.1	685.7
27.5°	684.5	679.0	668.8	662.8	660.4
30°	658.6	653.1	643.5	636.3	632.7
32.5°	632.1	627.3	615.8	608.0	605.6
35°	605.6	598.4	586.9	579.1	575.5
37.5°	576.7	570.7	558.0	549.6	545.4
40°	547.8	541.8	527.9	518.9	515.3
42.5°	517.7	509.9	497.8	488.2	485.2
45°	486.4	480.4	466.5	457.5	454.5
47.5°	456.9	447.9	435.2	426.2	422.0
50°	426.2	417.8	404.5	394.9	391.9
52.5°	394.3	387.1	373.8	364.2	360.6
55°	363.0	355.2	341.9	333.5	329.9
57.5°	331.7	324.5	312.4	302.8	300.4
60°	299.8	293.2	281.1	273.3	270.3
62.5°	270.3	262.5	251.6	243.8	240.8
65°	239.0	232.4	223.3	214.9	213.1
67.5°	210.1	205.3	193.8	187.8	188.4
70°	178.8	178.8	168.6	162.5	170.4
72.5°	151.1	151.7	142.7	139.1	136.0
75°	124.6	122.2	117.4	112.6	111.4
77.5°	98.1	99.3	95.1	86.1	84.9
80°	72.8	79.5	69.8	63.8	62.6
82.5°	50.0	56.6	48.2	45.1	44.5
85°	30.7	31.9	28.9	28.9	28.9
87.5°	13.2	15.0	14.4	14.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)