

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-L930.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-L930.ies
Description: 1x4 D3X-LP AT 2000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1765.0 lumens
Efficiency: N/A
Efficacy: 77.8 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

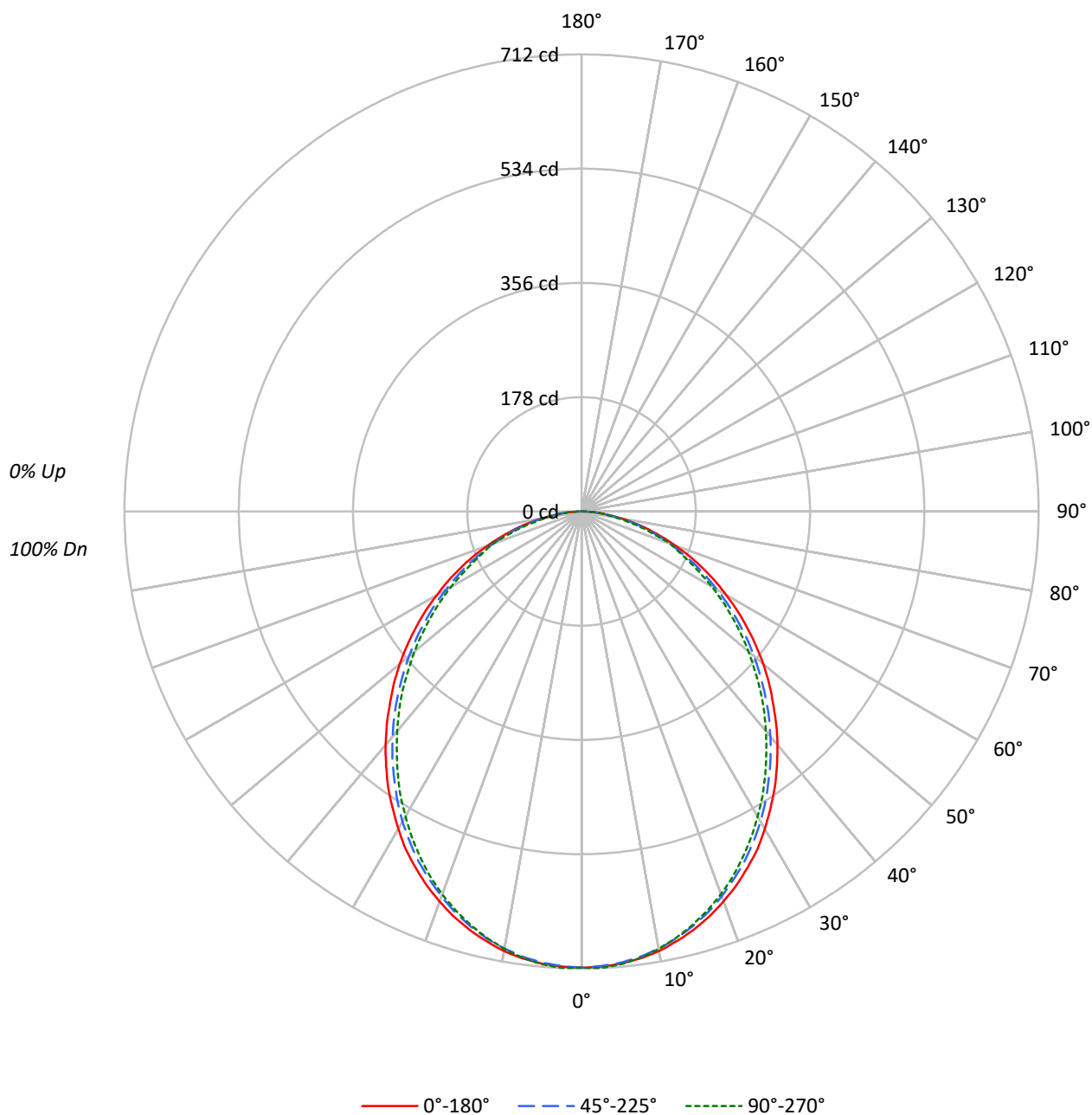
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1913	1913	1913
5°	1910	1906	1913
10°	1901	1890	1891
15°	1880	1864	1858
20°	1852	1828	1817
25°	1817	1785	1765
30°	1774	1734	1704
35°	1725	1671	1639
40°	1668	1608	1569
45°	1605	1539	1499
50°	1547	1468	1422
55°	1476	1391	1342
60°	1399	1312	1261
65°	1319	1233	1176
70°	1220	1149	1162
75°	1123	1058	1003
80°	978	938	841
85°	821	772	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.8
10°-20°	188.9	10.7
20°-30°	277.1	15.7
30°-40°	319.2	18.1
40°-50°	313.3	17.8
50°-60°	267.1	15.1
60°-70°	193.2	10.9
70°-80°	108.7	6.2
80°-90°	30.4	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°	533.0	30.2
0°-40°	852.2	48.3
0°-60°	1432.7	81.2
0°-90°	1765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	707	708	706	708	708	67
15°	675	674	669	668	667	190
25°	612	607	601	596	594	282
35°	525	519	509	502	499	328
45°	422	416	404	397	394	326
55°	315	308	296	289	286	281
65°	207	201	194	186	185	206
75°	108	106	102	98	96	114
85°	27	28	25	25	25	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.8	710.8	710.8	710.8	710.8
2.5°	709.7	710.2	708.7	711.3	711.8
5°	707.1	707.6	705.5	707.6	708.2
7.5°	702.4	702.4	699.8	701.4	701.4
10°	695.6	694.6	691.5	692.0	692.0
12.5°	685.7	685.7	681.5	681.5	680.5
15°	674.8	673.7	669.0	668.0	666.9
17.5°	661.7	660.1	654.9	652.8	651.8
20°	646.6	644.0	638.2	635.6	634.6
22.5°	630.4	626.7	620.0	616.8	615.8
25°	612.1	607.4	601.2	596.5	594.4
27.5°	593.3	588.7	579.8	574.6	572.5
30°	570.9	566.2	557.9	551.6	548.5
32.5°	547.9	543.8	533.9	527.1	525.0
35°	525.0	518.7	508.8	502.0	498.9
37.5°	499.9	494.7	483.8	476.5	472.8
40°	474.9	469.7	457.7	449.8	446.7
42.5°	448.8	442.0	431.6	423.2	420.6
45°	421.7	416.4	404.4	396.6	394.0
47.5°	396.1	388.3	377.3	369.5	365.8
50°	369.5	362.2	350.7	342.3	339.7
52.5°	341.8	335.6	324.1	315.7	312.6
55°	314.7	307.9	296.4	289.1	286.0
57.5°	287.5	281.3	270.8	262.5	260.4
60°	259.9	254.1	243.7	236.9	234.3
62.5°	234.3	227.5	218.1	211.4	208.7
65°	207.2	201.4	193.6	186.3	184.7
67.5°	182.1	178.0	168.0	162.8	163.3
70°	155.0	155.0	146.1	140.9	147.7
72.5°	131.0	131.5	123.7	120.5	117.9
75°	108.0	105.9	101.8	97.6	96.5
77.5°	85.1	86.1	82.5	74.6	73.6
80°	63.1	68.9	60.5	55.3	54.3
82.5°	43.3	49.1	41.7	39.1	38.6
85°	26.6	27.7	25.0	25.0	25.0
87.5°	11.5	13.0	12.5	12.5	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)