

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-60-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-60-L935.ies
Description: 1x4 D3X-LP AT 6000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4934.1 lumens
Efficiency: N/A
Efficacy: 69.3 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

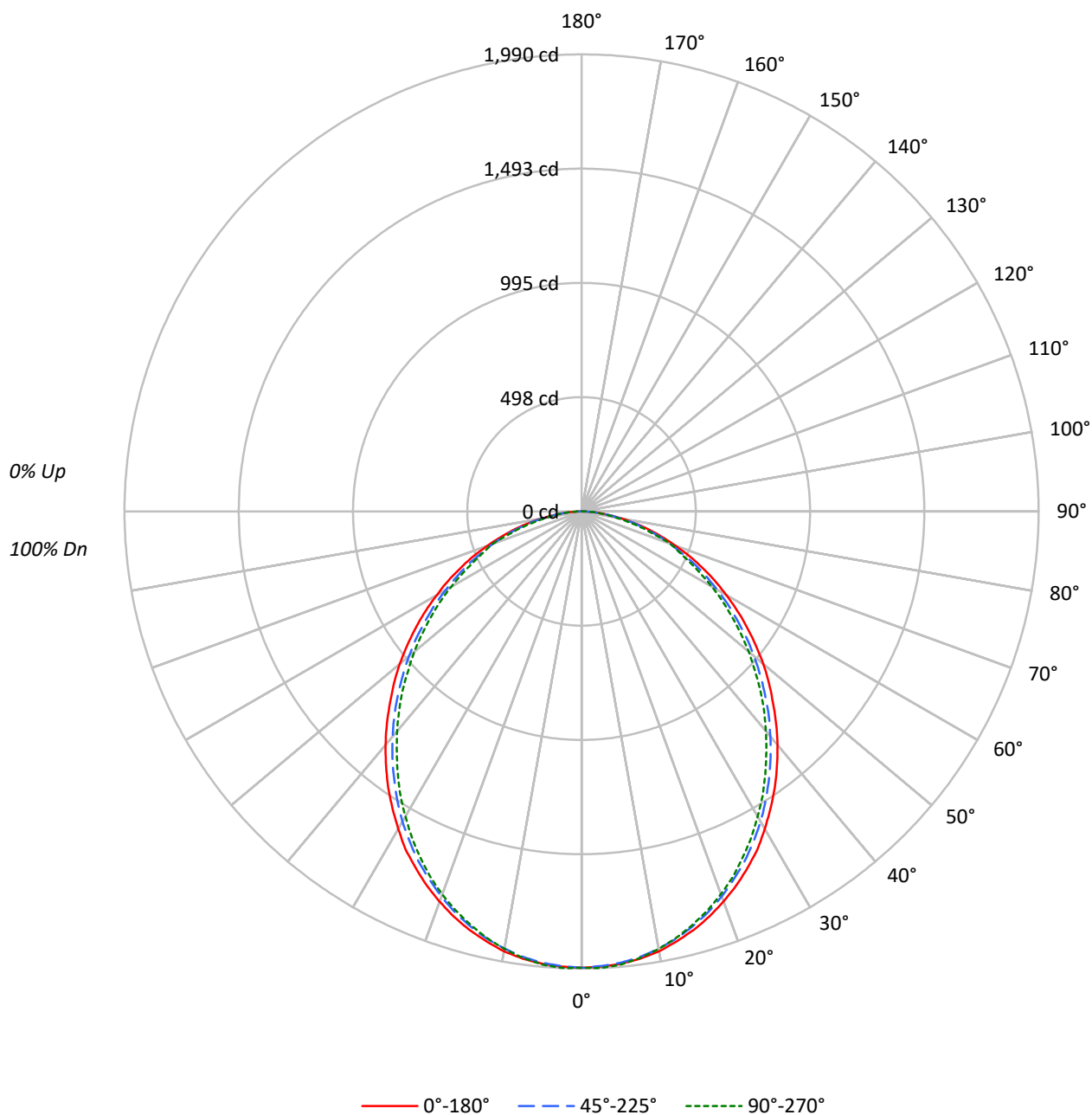
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	5347	5347	5347
5°	5340	5328	5348
10°	5314	5282	5286
15°	5255	5210	5194
20°	5176	5109	5080
25°	5081	4990	4934
30°	4959	4846	4764
35°	4821	4673	4582
40°	4664	4494	4387
45°	4486	4303	4192
50°	4324	4104	3976
55°	4127	3887	3751
60°	3910	3667	3525
65°	3688	3446	3288
70°	3409	3214	3249
75°	3140	2958	2806
80°	2735	2622	2351
85°	2297	2161	2161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	3.8
10°-20°	527.9	10.7
20°-30°	774.8	15.7
30°-40°	892.3	18.1
40°-50°	875.9	17.8
50°-60°	746.8	15.1
60°-70°	540.2	10.9
70°-80°	303.8	6.2
80°-90°	84.9	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°	1490.1	30.2
0°-40°	2382.4	48.3
0°-60°	4005.2	81.2
0°-90°	4934.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4934.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1977	1978	1972	1978	1980	188
15°	1886	1883	1870	1867	1864	532
25°	1711	1698	1681	1668	1662	788
35°	1468	1450	1422	1403	1395	917
45°	1179	1164	1131	1109	1101	911
55°	880	861	829	808	800	787
65°	579	563	541	521	516	575
75°	302	296	284	273	270	319
85°	74	77	70	70	70	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.0	1987.0	1987.0	1987.0	1987.0
2.5°	1984.0	1985.5	1981.1	1988.4	1989.9
5°	1976.8	1978.2	1972.4	1978.2	1979.7
7.5°	1963.6	1963.6	1956.3	1960.7	1960.7
10°	1944.7	1941.7	1933.0	1934.4	1934.4
12.5°	1916.9	1916.9	1905.3	1905.3	1902.4
15°	1886.3	1883.4	1870.3	1867.3	1864.4
17.5°	1849.8	1845.5	1830.9	1825.0	1822.1
20°	1807.5	1800.2	1784.2	1776.9	1774.0
22.5°	1762.3	1752.1	1733.1	1724.4	1721.5
25°	1711.2	1698.1	1680.6	1667.5	1661.6
27.5°	1658.7	1645.6	1620.8	1606.2	1600.4
30°	1596.0	1582.9	1559.5	1542.0	1533.3
32.5°	1531.8	1520.1	1492.4	1473.4	1467.6
35°	1467.6	1450.1	1422.4	1403.4	1394.7
37.5°	1397.6	1383.0	1352.4	1331.9	1321.7
40°	1327.6	1313.0	1279.4	1257.5	1248.8
42.5°	1254.6	1235.7	1206.5	1183.1	1175.8
45°	1178.8	1164.2	1130.6	1108.7	1101.4
47.5°	1107.3	1085.4	1054.8	1032.9	1022.7
50°	1032.9	1012.4	980.4	957.0	949.7
52.5°	955.6	938.0	906.0	882.6	873.9
55°	879.7	860.7	828.6	808.2	799.5
57.5°	803.8	786.3	757.1	733.8	728.0
60°	726.5	710.5	681.3	662.3	655.0
62.5°	655.0	636.1	609.8	590.8	583.5
65°	579.2	563.1	541.2	520.8	516.4
67.5°	509.1	497.5	469.8	455.2	456.6
70°	433.3	433.3	408.5	393.9	412.9
72.5°	366.2	367.6	345.7	337.0	329.7
75°	302.0	296.1	284.5	272.8	269.9
77.5°	237.8	240.7	230.5	208.6	205.7
80°	176.5	192.6	169.2	154.6	151.7
82.5°	121.1	137.1	116.7	109.4	108.0
85°	74.4	77.3	70.0	70.0	70.0
87.5°	32.1	36.5	35.0	35.0	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)