

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-L927.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-L927.ies
Description: 1x4 D3X-LP AT 6000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4392.1 lumens
Efficiency: N/A
Efficacy: 61.7 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

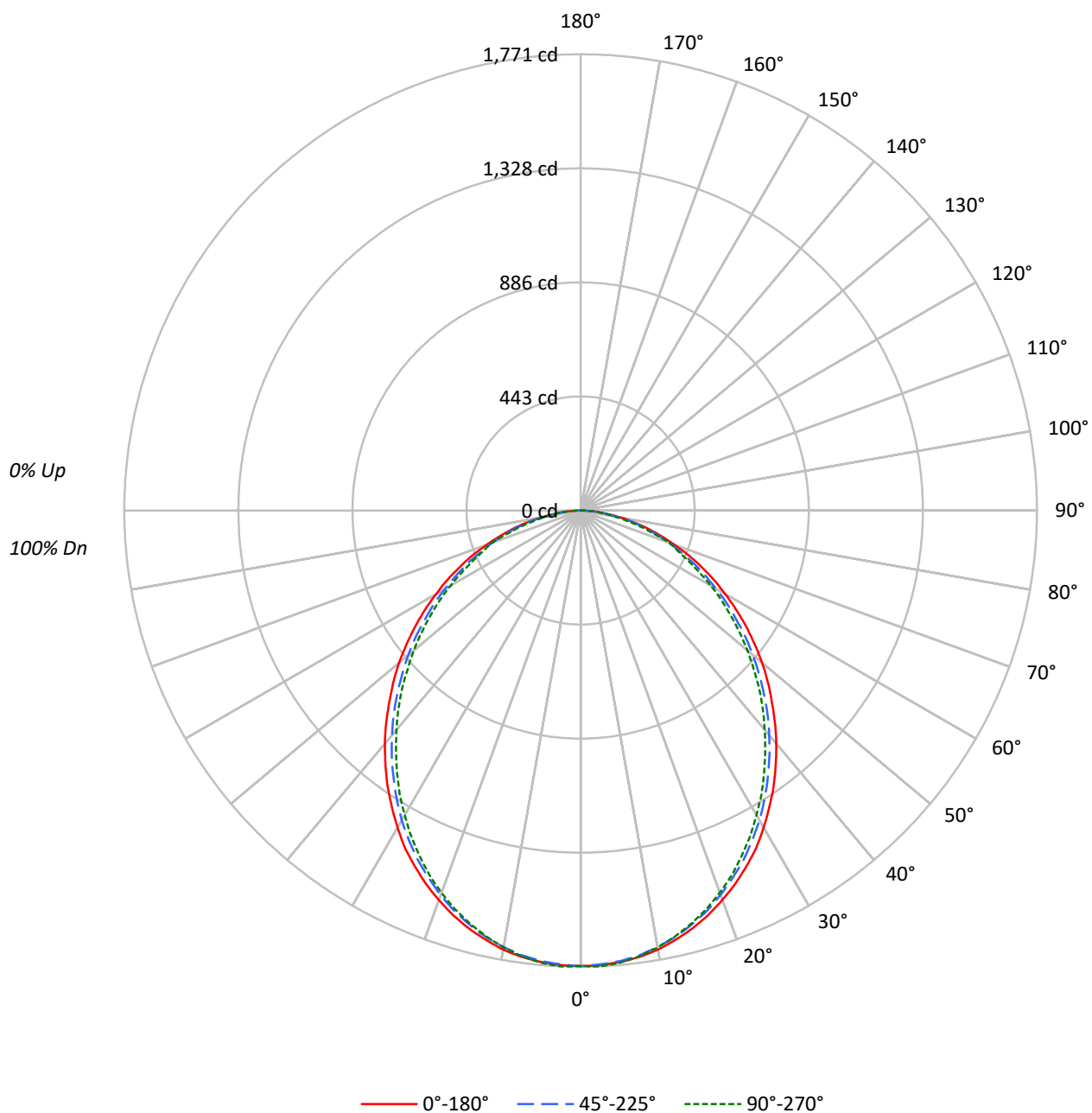
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-60-L927.ies

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°	4760	4760	4760
5°	4753	4743	4760
10°	4730	4702	4705
15°	4678	4638	4623
20°	4608	4548	4522
25°	4523	4442	4392
30°	4415	4314	4241
35°	4292	4159	4078
40°	4151	4001	3905
45°	3993	3830	3731
50°	3849	3653	3539
55°	3674	3461	3339
60°	3481	3264	3138
65°	3282	3068	2927
70°	3035	2861	2891
75°	2795	2633	2497
80°	2435	2334	2094
85°	2044	1924	1924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	3.8
10°-20°	470.0	10.7
20°-30°	689.7	15.7
30°-40°	794.3	18.1
40°-50°	779.7	17.8
50°-60°	664.8	15.1
60°-70°	480.9	10.9
70°-80°	270.4	6.2
80°-90°	75.6	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°	1326.5	30.2
0°-40°	2120.7	48.3
0°-60°	3565.2	81.2
0°-90°	4392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4392.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1760	1761	1756	1761	1762	167
15°	1679	1676	1665	1662	1660	473
25°	1523	1512	1496	1484	1479	701
35°	1306	1291	1266	1249	1242	816
45°	1049	1036	1006	987	980	811
55°	783	766	738	719	712	700
65°	516	501	482	464	460	512
75°	269	264	253	243	240	284
85°	66	69	62	62	62	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1768.7	1768.7	1768.7	1768.7	1768.7
2.5°	1766.1	1767.4	1763.5	1770.0	1771.3
5°	1759.6	1760.9	1755.7	1760.9	1762.2
7.5°	1747.9	1747.9	1741.4	1745.3	1745.3
10°	1731.0	1728.4	1720.7	1722.0	1722.0
12.5°	1706.4	1706.4	1696.0	1696.0	1693.4
15°	1679.1	1676.5	1664.8	1662.2	1659.6
17.5°	1646.6	1642.7	1629.8	1624.6	1622.0
20°	1609.0	1602.5	1588.2	1581.7	1579.1
22.5°	1568.7	1559.6	1542.7	1535.0	1532.4
25°	1523.3	1511.6	1496.0	1484.3	1479.1
27.5°	1476.5	1464.8	1442.8	1429.8	1424.6
30°	1420.7	1409.0	1388.2	1372.6	1364.8
32.5°	1363.5	1353.2	1328.5	1311.6	1306.4
35°	1306.4	1290.8	1266.1	1249.3	1241.5
37.5°	1244.1	1231.1	1203.8	1185.6	1176.5
40°	1181.7	1168.7	1138.9	1119.4	1111.6
42.5°	1116.8	1099.9	1073.9	1053.2	1046.7
45°	1049.3	1036.3	1006.4	986.9	980.4
47.5°	985.6	966.2	938.9	919.4	910.3
50°	919.4	901.2	872.7	851.9	845.4
52.5°	850.6	835.0	806.4	785.7	777.9
55°	783.1	766.2	737.6	719.4	711.6
57.5°	715.5	700.0	674.0	653.2	648.0
60°	646.7	632.4	606.5	589.6	583.1
62.5°	583.1	566.2	542.8	525.9	519.4
65°	515.5	501.3	481.8	463.6	459.7
67.5°	453.2	442.8	418.2	405.2	406.5
70°	385.7	385.7	363.6	350.6	367.5
72.5°	326.0	327.2	307.8	300.0	293.5
75°	268.8	263.6	253.2	242.8	240.2
77.5°	211.7	214.3	205.2	185.7	183.1
80°	157.1	171.4	150.6	137.7	135.1
82.5°	107.8	122.1	103.9	97.4	96.1
85°	66.2	68.8	62.3	62.3	62.3
87.5°	28.6	32.5	31.2	31.2	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)