

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-L930.ies

Issue Date: 2/27/2025

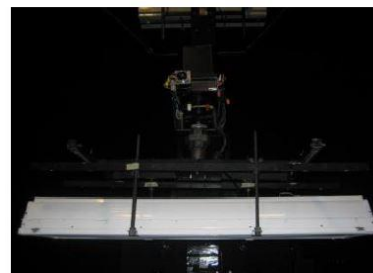
Test Information

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-60-L930.ies
Description: 1x4 D3X-LP AT 6000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4869.3 lumens
Efficiency: N/A
Efficacy: 68.4 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

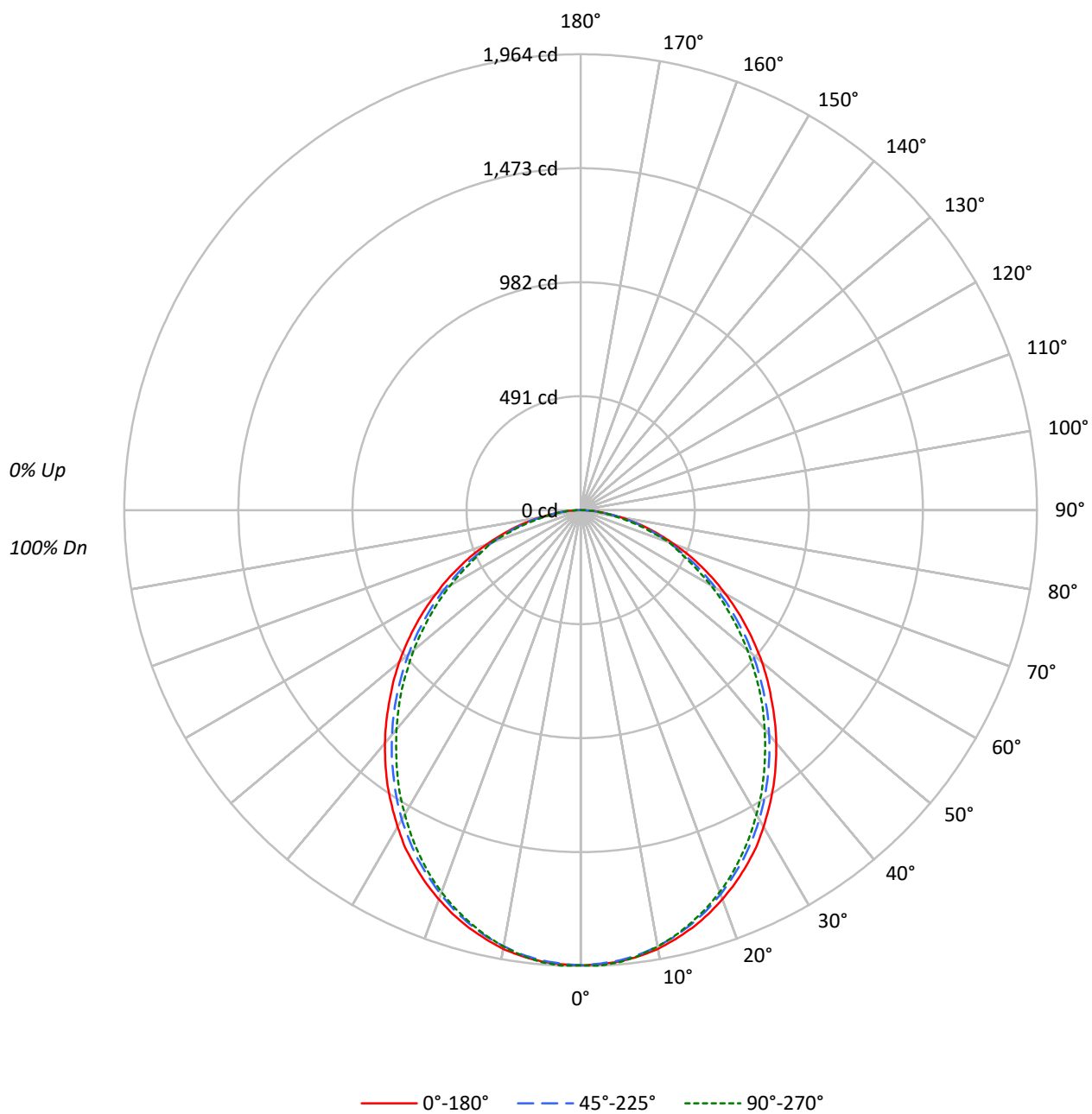
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	5277	5277	5277
5°	5270	5258	5277
10°	5244	5213	5216
15°	5186	5142	5126
20°	5108	5042	5013
25°	5014	4924	4869
30°	4894	4782	4702
35°	4758	4611	4522
40°	4602	4435	4329
45°	4427	4246	4137
50°	4267	4050	3924
55°	4073	3836	3702
60°	3859	3618	3479
65°	3640	3401	3245
70°	3364	3172	3205
75°	3098	2918	2769
80°	2700	2588	2320
85°	2266	2133	2133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.0	3.8
10°-20°	521.0	10.7
20°-30°	764.6	15.7
30°-40°	880.6	18.1
40°-50°	864.4	17.8
50°-60°	737.0	15.1
60°-70°	533.1	10.9
70°-80°	299.8	6.2
80°-90°	83.8	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°	1470.6	30.2
0°-40°	2351.1	48.3
0°-60°	3952.6	81.2
0°-90°	4869.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4869.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1961	1961	1961	1961	1961	
5°	1951	1952	1946	1952	1954	185
15°	1862	1859	1846	1843	1840	525
25°	1689	1676	1658	1646	1640	778
35°	1448	1431	1404	1385	1376	905
45°	1163	1149	1116	1094	1087	899
55°	868	849	818	798	789	776
65°	572	556	534	514	510	567
75°	298	292	281	269	266	315
85°	73	76	69	69	69	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.9	1960.9	1960.9	1960.9	1960.9
2.5°	1958.0	1959.4	1955.1	1962.3	1963.8
5°	1950.8	1952.2	1946.5	1952.2	1953.7
7.5°	1937.8	1937.8	1930.6	1935.0	1935.0
10°	1919.1	1916.2	1907.6	1909.0	1909.0
12.5°	1891.8	1891.8	1880.2	1880.2	1877.4
15°	1861.5	1858.7	1845.7	1842.8	1839.9
17.5°	1825.5	1821.2	1806.8	1801.1	1798.2
20°	1783.8	1776.6	1760.8	1753.6	1750.7
22.5°	1739.2	1729.1	1710.4	1701.7	1698.8
25°	1688.8	1675.8	1658.5	1645.6	1639.8
27.5°	1636.9	1624.0	1599.5	1585.1	1579.4
30°	1575.0	1562.1	1539.0	1521.8	1513.1
32.5°	1511.7	1500.2	1472.8	1454.1	1448.3
35°	1448.3	1431.1	1403.7	1385.0	1376.4
37.5°	1379.2	1364.8	1334.6	1314.4	1304.4
40°	1310.1	1295.7	1262.6	1241.0	1232.4
42.5°	1238.1	1219.4	1190.6	1167.6	1160.4
45°	1163.3	1148.9	1115.8	1094.2	1087.0
47.5°	1092.7	1071.1	1040.9	1019.3	1009.2
50°	1019.3	999.2	967.5	944.4	937.2
52.5°	943.0	925.7	894.1	871.0	862.4
55°	868.1	849.4	817.7	797.6	789.0
57.5°	793.3	776.0	747.2	724.2	718.4
60°	717.0	701.1	672.3	653.6	646.4
62.5°	646.4	627.7	601.8	583.1	575.9
65°	571.6	555.7	534.1	514.0	509.7
67.5°	502.5	490.9	463.6	449.2	450.6
70°	427.6	427.6	403.1	388.7	407.4
72.5°	361.4	362.8	341.2	332.6	325.4
75°	298.0	292.3	280.7	269.2	266.3
77.5°	234.7	237.6	227.5	205.9	203.0
80°	174.2	190.0	167.0	152.6	149.7
82.5°	119.5	135.3	115.2	108.0	106.5
85°	73.4	76.3	69.1	69.1	69.1
87.5°	31.7	36.0	34.6	34.6	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)