

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-L940.ies

Issue Date: 2/27/2025

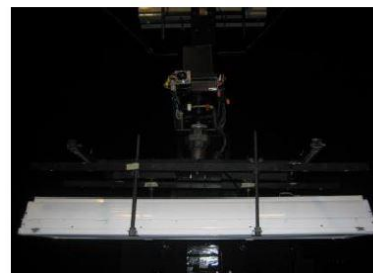
Test Information

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-L940.ies
Description: 1x4 D3X-LP AT 6000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

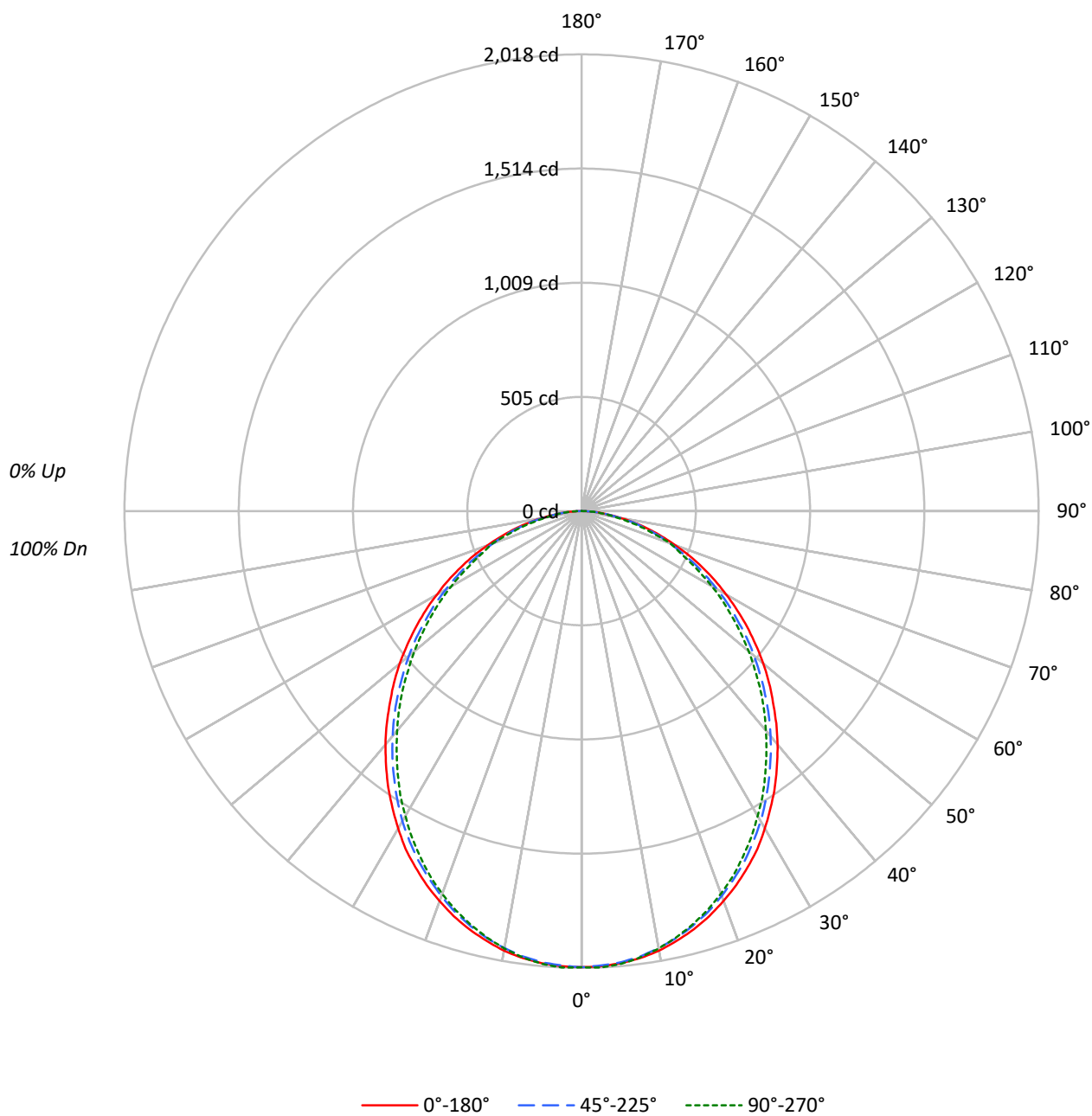
Lumens per Lamp: N/A
Luminaire Lumens: 5004.9 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	5424	5424	5424
5°	5416	5404	5424
10°	5390	5358	5362
15°	5331	5285	5269
20°	5251	5183	5153
25°	5154	5062	5005
30°	5030	4915	4833
35°	4890	4740	4647
40°	4730	4559	4450
45°	4550	4364	4252
50°	4386	4163	4033
55°	4186	3943	3804
60°	3966	3719	3576
65°	3741	3496	3335
70°	3458	3260	3295
75°	3185	3001	2847
80°	2775	2661	2385
85°	2331	2192	2192

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4550 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	3.8
10°-20°	535.5	10.7
20°-30°	785.9	15.7
30°-40°	905.1	18.1
40°-50°	888.5	17.8
50°-60°	757.5	15.1
60°-70°	548.0	10.9
70°-80°	308.1	6.2
80°-90°	86.1	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°	1511.5	30.2
0°-40°	2416.6	48.3
0°-60°	4062.6	81.2
0°-90°	5004.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5004.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2016	2016	2016	2016	2016	
5°	2005	2007	2001	2007	2008	190
15°	1913	1910	1897	1894	1891	539
25°	1736	1722	1705	1691	1686	799
35°	1489	1471	1443	1424	1415	930
45°	1196	1181	1147	1125	1117	924
55°	892	873	840	820	811	798
65°	588	571	549	528	524	583
75°	306	300	289	277	274	324
85°	76	78	71	71	71	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2015.5	2015.5	2015.5	2015.5	2015.5
2.5°	2012.5	2014.0	2009.6	2017.0	2018.4
5°	2005.1	2006.6	2000.7	2006.6	2008.1
7.5°	1991.8	1991.8	1984.4	1988.8	1988.8
10°	1972.6	1969.6	1960.7	1962.2	1962.2
12.5°	1944.4	1944.4	1932.6	1932.6	1929.6
15°	1913.4	1910.4	1897.1	1894.1	1891.2
17.5°	1876.4	1871.9	1857.1	1851.2	1848.3
20°	1833.5	1826.1	1809.8	1802.4	1799.4
22.5°	1787.6	1777.2	1758.0	1749.1	1746.2
25°	1735.8	1722.5	1704.7	1691.4	1685.5
27.5°	1682.5	1669.2	1644.0	1629.3	1623.3
30°	1618.9	1605.6	1581.9	1564.1	1555.3
32.5°	1553.8	1541.9	1513.8	1494.6	1488.7
35°	1488.7	1470.9	1442.8	1423.6	1414.7
37.5°	1417.6	1402.8	1371.8	1351.1	1340.7
40°	1346.6	1331.8	1297.8	1275.6	1266.7
42.5°	1272.6	1253.4	1223.8	1200.1	1192.7
45°	1195.7	1180.9	1146.8	1124.6	1117.2
47.5°	1123.2	1101.0	1069.9	1047.7	1037.3
50°	1047.7	1027.0	994.4	970.7	963.3
52.5°	969.3	951.5	919.0	895.3	886.4
55°	892.3	873.1	840.5	819.8	810.9
57.5°	815.4	797.6	768.0	744.3	738.4
60°	736.9	720.7	691.1	671.8	664.4
62.5°	664.4	645.2	618.6	599.3	591.9
65°	587.5	571.2	549.0	528.3	523.8
67.5°	516.4	504.6	476.5	461.7	463.2
70°	439.5	439.5	414.3	399.5	418.8
72.5°	371.4	372.9	350.7	341.8	334.4
75°	306.3	300.4	288.6	276.7	273.8
77.5°	241.2	244.2	233.8	211.6	208.7
80°	179.1	195.3	171.7	156.9	153.9
82.5°	122.8	139.1	118.4	111.0	109.5
85°	75.5	78.4	71.0	71.0	71.0
87.5°	32.6	37.0	35.5	35.5	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)