

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-L850.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-L850.ies
Description: 1x4 D3X-LP AT 6000lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

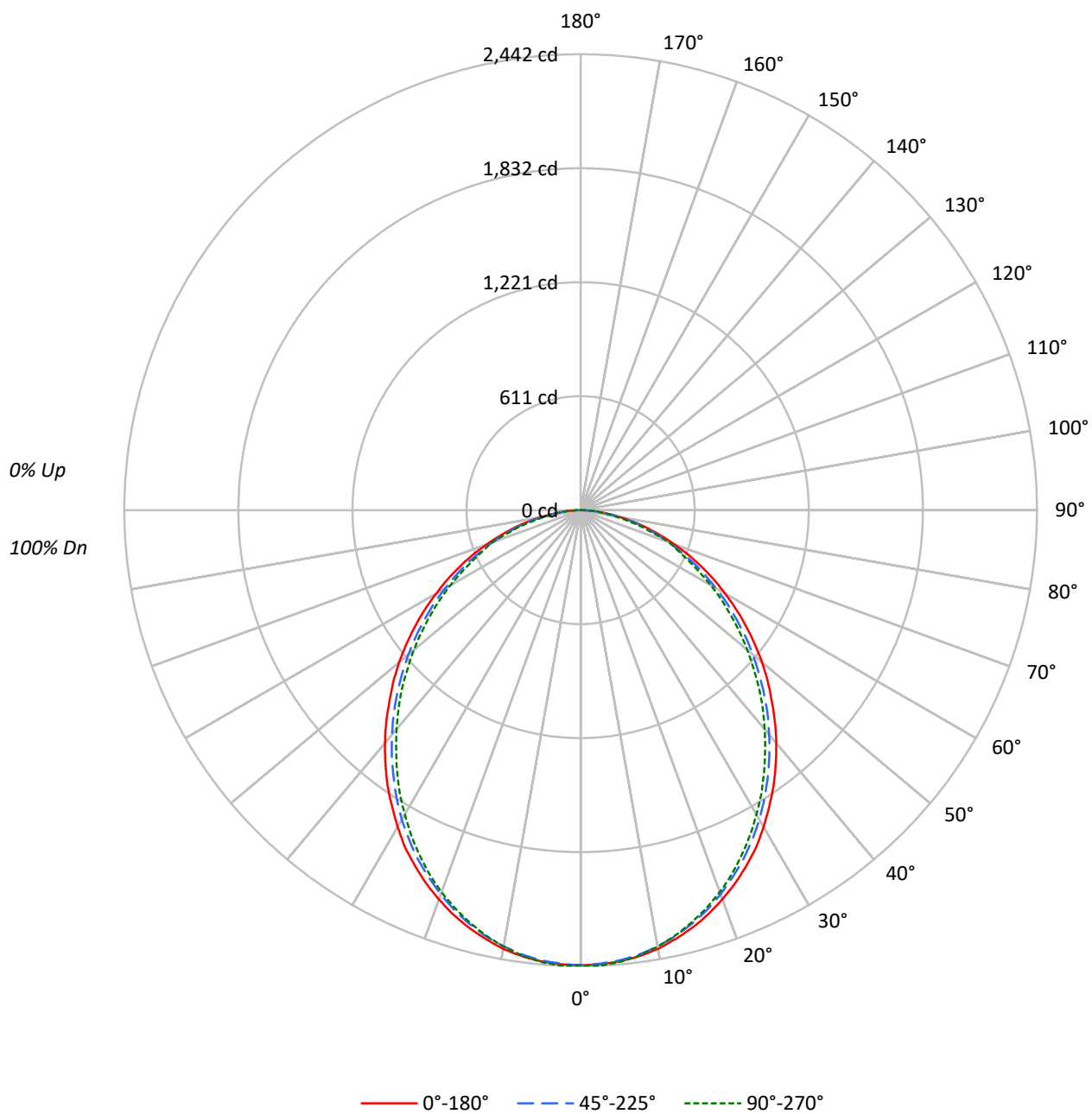
Lumens per Lamp: N/A
Luminaire Lumens: 6054.2 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	6561	6561	6561
5°	6552	6537	6562
10°	6520	6481	6486
15°	6448	6393	6373
20°	6351	6269	6233
25°	6234	6123	6054
30°	6085	5946	5846
35°	5916	5733	5622
40°	5722	5515	5383
45°	5504	5280	5143
50°	5305	5036	4878
55°	5064	4770	4602
60°	4797	4499	4325
65°	4525	4229	4035
70°	4183	3943	3986
75°	3852	3630	3444
80°	3357	3217	2885
85°	2819	2652	2652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.0	3.8
10°-20°	647.8	10.7
20°-30°	950.6	15.7
30°-40°	1094.9	18.1
40°-50°	1074.7	17.8
50°-60°	916.4	15.1
60°-70°	662.9	10.9
70°-80°	372.7	6.2
80°-90°	104.2	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°	1828.4	30.2
0°-40°	2923.3	48.3
0°-60°	4914.4	81.2
0°-90°	6054.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6054.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2438	2438	2438	2438	2438	
5°	2426	2427	2420	2427	2429	230
15°	2314	2311	2295	2291	2288	652
25°	2100	2084	2062	2046	2039	967
35°	1801	1779	1745	1722	1711	1125
45°	1446	1428	1387	1360	1352	1118
55°	1079	1056	1017	992	981	965
65°	711	691	664	639	634	705
75°	370	363	349	335	331	392
85°	91	95	86	86	86	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2438.0	2438.0	2438.0	2438.0	2438.0
2.5°	2434.4	2436.2	2430.9	2439.8	2441.6
5°	2425.5	2427.3	2420.1	2427.3	2429.1
7.5°	2409.4	2409.4	2400.4	2405.8	2405.8
10°	2386.1	2382.5	2371.8	2373.6	2373.6
12.5°	2352.1	2352.1	2337.8	2337.8	2334.2
15°	2314.5	2310.9	2294.8	2291.2	2287.7
17.5°	2269.8	2264.4	2246.5	2239.3	2235.7
20°	2217.8	2208.9	2189.2	2180.3	2176.7
22.5°	2162.4	2149.8	2126.6	2115.8	2112.2
25°	2099.7	2083.6	2062.1	2046.0	2038.8
27.5°	2035.3	2019.2	1988.7	1970.8	1963.7
30°	1958.3	1942.2	1913.5	1892.1	1881.3
32.5°	1879.5	1865.2	1831.2	1807.9	1800.8
35°	1800.8	1779.3	1745.3	1722.0	1711.3
37.5°	1714.8	1696.9	1659.4	1634.3	1621.8
40°	1628.9	1611.0	1569.9	1543.0	1532.3
42.5°	1539.4	1516.2	1480.4	1451.7	1442.8
45°	1446.3	1428.4	1387.3	1360.4	1351.5
47.5°	1358.6	1331.8	1294.2	1267.3	1254.8
50°	1267.3	1242.3	1202.9	1174.3	1165.3
52.5°	1172.5	1151.0	1111.6	1083.0	1072.2
55°	1079.4	1056.1	1016.7	991.7	980.9
57.5°	986.3	964.8	929.0	900.4	893.2
60°	891.4	871.7	835.9	812.7	803.7
62.5°	803.7	780.5	748.2	725.0	716.0
65°	710.6	691.0	664.1	639.0	633.7
67.5°	624.7	610.4	576.4	558.5	560.3
70°	531.6	531.6	501.2	483.3	506.6
72.5°	449.3	451.1	424.2	413.5	404.5
75°	370.5	363.4	349.1	334.7	331.2
77.5°	291.8	295.4	282.8	256.0	252.4
80°	216.6	236.3	207.6	189.7	186.2
82.5°	148.6	168.3	143.2	134.3	132.5
85°	91.3	94.9	85.9	85.9	85.9
87.5°	39.4	44.8	43.0	43.0	44.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)