

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-30-L950.ies

Issue Date: 2/27/2025

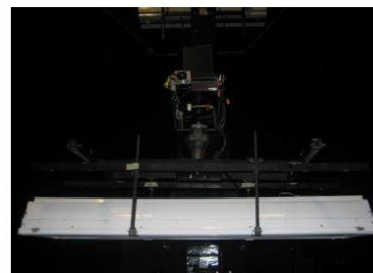
Test Information

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-30-L950.ies
Description: 1x4 D3X-LP AT 3000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2533.6 lumens
Efficiency: N/A
Efficacy: 79.7 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

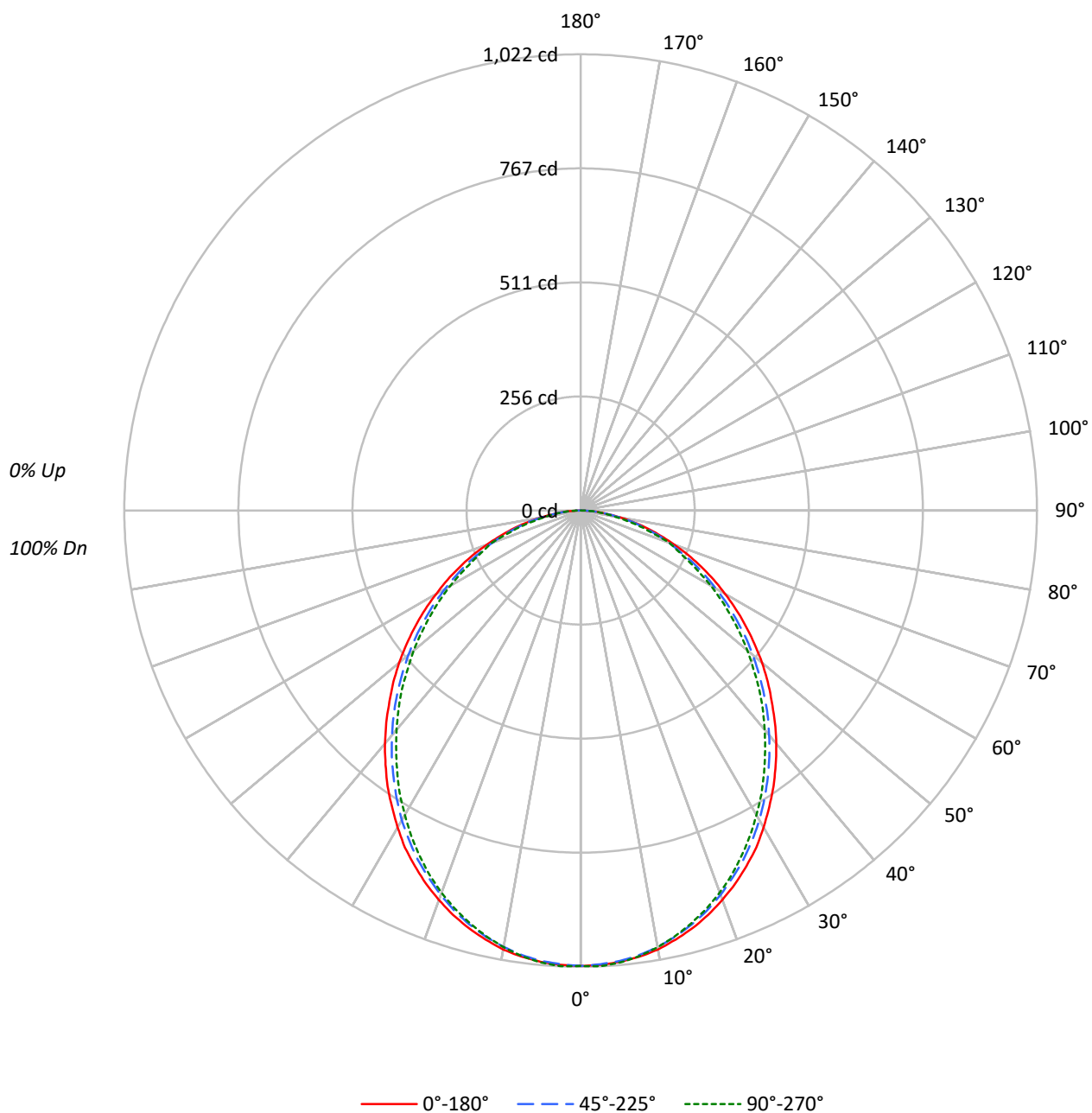
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2746	2746	2746
5°	2742	2736	2746
10°	2729	2712	2714
15°	2698	2676	2667
20°	2658	2624	2609
25°	2609	2562	2533
30°	2546	2488	2446
35°	2476	2399	2352
40°	2395	2308	2252
45°	2304	2210	2152
50°	2220	2107	2042
55°	2119	1996	1926
60°	2008	1883	1810
65°	1894	1769	1689
70°	1751	1651	1668
75°	1613	1519	1441
80°	1404	1347	1207
85°	1179	1112	1112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	3.8
10°-20°	271.1	10.7
20°-30°	397.8	15.7
30°-40°	458.2	18.1
40°-50°	449.8	17.8
50°-60°	383.5	15.1
60°-70°	277.4	10.9
70°-80°	156.0	6.2
80°-90°	43.6	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°	765.2	30.2
0°-40°	1223.3	48.3
0°-60°	2056.6	81.2
0°-90°	2533.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1015	1016	1013	1016	1016	96
15°	969	967	960	959	957	273
25°	879	872	863	856	853	405
35°	754	745	730	721	716	471
45°	605	598	581	569	566	468
55°	452	442	426	415	410	404
65°	297	289	278	267	265	295
75°	155	152	146	140	139	164
85°	38	40	36	36	36	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.3	1020.3	1020.3	1020.3	1020.3
2.5°	1018.8	1019.5	1017.3	1021.0	1021.8
5°	1015.0	1015.8	1012.8	1015.8	1016.5
7.5°	1008.3	1008.3	1004.6	1006.8	1006.8
10°	998.6	997.1	992.6	993.3	993.3
12.5°	984.3	984.3	978.3	978.3	976.8
15°	968.6	967.1	960.4	958.9	957.4
17.5°	949.9	947.6	940.1	937.1	935.6
20°	928.1	924.4	916.2	912.4	910.9
22.5°	904.9	899.7	889.9	885.4	883.9
25°	878.7	872.0	863.0	856.2	853.2
27.5°	851.7	845.0	832.3	824.8	821.8
30°	819.5	812.8	800.8	791.8	787.3
32.5°	786.6	780.6	766.3	756.6	753.6
35°	753.6	744.6	730.4	720.6	716.1
37.5°	717.6	710.2	694.4	683.9	678.7
40°	681.7	674.2	657.0	645.7	641.2
42.5°	644.2	634.5	619.5	607.5	603.8
45°	605.3	597.8	580.6	569.3	565.6
47.5°	568.6	557.3	541.6	530.4	525.1
50°	530.4	519.9	503.4	491.4	487.7
52.5°	490.7	481.7	465.2	453.2	448.7
55°	451.7	442.0	425.5	415.0	410.5
57.5°	412.8	403.8	388.8	376.8	373.8
60°	373.1	364.8	349.8	340.1	336.3
62.5°	336.3	326.6	313.1	303.4	299.6
65°	297.4	289.2	277.9	267.4	265.2
67.5°	261.4	255.4	241.2	233.7	234.5
70°	222.5	222.5	209.8	202.3	212.0
72.5°	188.0	188.8	177.5	173.0	169.3
75°	155.1	152.1	146.1	140.1	138.6
77.5°	122.1	123.6	118.4	107.1	105.6
80°	90.6	98.9	86.9	79.4	77.9
82.5°	62.2	70.4	59.9	56.2	55.4
85°	38.2	39.7	36.0	36.0	36.0
87.5°	16.5	18.7	18.0	18.0	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)