

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-20-L935.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-20-L935.ies
Description: 1x4 D3X-LP AT 2000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1788.0 lumens
Efficiency: N/A
Efficacy: 78.8 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

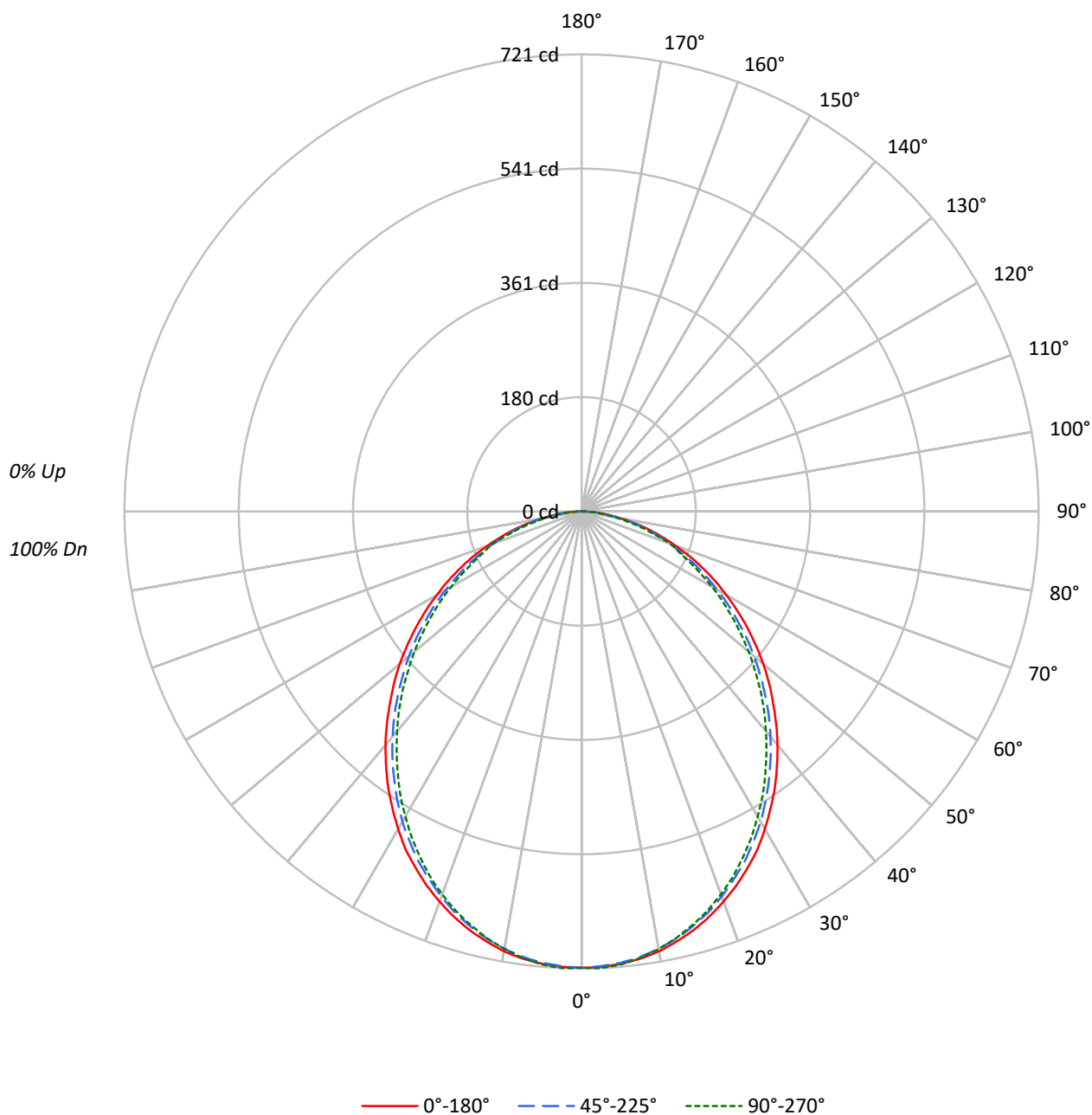
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1938	1938	1938
5°	1935	1931	1938
10°	1926	1914	1915
15°	1904	1888	1882
20°	1876	1851	1841
25°	1841	1808	1788
30°	1797	1756	1726
35°	1747	1693	1660
40°	1690	1629	1590
45°	1626	1559	1519
50°	1567	1487	1441
55°	1496	1409	1359
60°	1417	1329	1278
65°	1337	1249	1191
70°	1235	1164	1177
75°	1137	1072	1017
80°	992	950	852
85°	834	784	784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	3.8
10°-20°	191.3	10.7
20°-30°	280.7	15.7
30°-40°	323.4	18.1
40°-50°	317.4	17.8
50°-60°	270.6	15.1
60°-70°	195.8	10.9
70°-80°	110.1	6.2
80°-90°	30.8	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°	540.0	30.2
0°-40°	863.3	48.3
0°-60°	1451.4	81.2
0°-90°	1788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	716	717	715	717	717	68
15°	684	682	678	677	676	193
25°	620	615	609	604	602	286
35°	532	526	515	509	505	332
45°	427	422	410	402	399	330
55°	319	312	300	293	290	285
65°	210	204	196	189	187	208
75°	109	107	103	99	98	116
85°	27	28	25	25	25	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720.0	720.0	720.0	720.0	720.0
2.5°	719.0	719.5	717.9	720.6	721.1
5°	716.3	716.9	714.7	716.9	717.4
7.5°	711.6	711.6	708.9	710.5	710.5
10°	704.7	703.6	700.5	701.0	701.0
12.5°	694.7	694.7	690.4	690.4	689.4
15°	683.6	682.5	677.7	676.7	675.6
17.5°	670.3	668.7	663.5	661.3	660.3
20°	655.0	652.4	646.5	643.9	642.8
22.5°	638.6	634.9	628.0	624.9	623.8
25°	620.1	615.4	609.0	604.3	602.1
27.5°	601.1	596.3	587.3	582.0	579.9
30°	578.3	573.6	565.1	558.8	555.6
32.5°	555.1	550.9	540.8	533.9	531.8
35°	531.8	525.5	515.4	508.6	505.4
37.5°	506.5	501.2	490.1	482.7	479.0
40°	481.1	475.8	463.6	455.7	452.5
42.5°	454.6	447.8	437.2	428.7	426.1
45°	427.2	421.9	409.7	401.8	399.1
47.5°	401.2	393.3	382.2	374.3	370.6
50°	374.3	366.9	355.3	346.8	344.2
52.5°	346.3	339.9	328.3	319.8	316.7
55°	318.8	311.9	300.3	292.9	289.7
57.5°	291.3	284.9	274.4	265.9	263.8
60°	263.3	257.5	246.9	240.0	237.4
62.5°	237.4	230.5	221.0	214.1	211.5
65°	209.9	204.1	196.1	188.7	187.1
67.5°	184.5	180.3	170.2	164.9	165.5
70°	157.0	157.0	148.0	142.7	149.6
72.5°	132.7	133.2	125.3	122.1	119.5
75°	109.4	107.3	103.1	98.9	97.8
77.5°	86.2	87.2	83.5	75.6	74.5
80°	64.0	69.8	61.3	56.0	55.0
82.5°	43.9	49.7	42.3	39.6	39.1
85°	27.0	28.0	25.4	25.4	25.4
87.5°	11.6	13.2	12.7	12.7	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)