

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-25-L835.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-25-L835.ies
Description: 1x4 D3X-LP AT 2500lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2531.0 lumens
Efficiency: N/A
Efficacy: 93.7 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

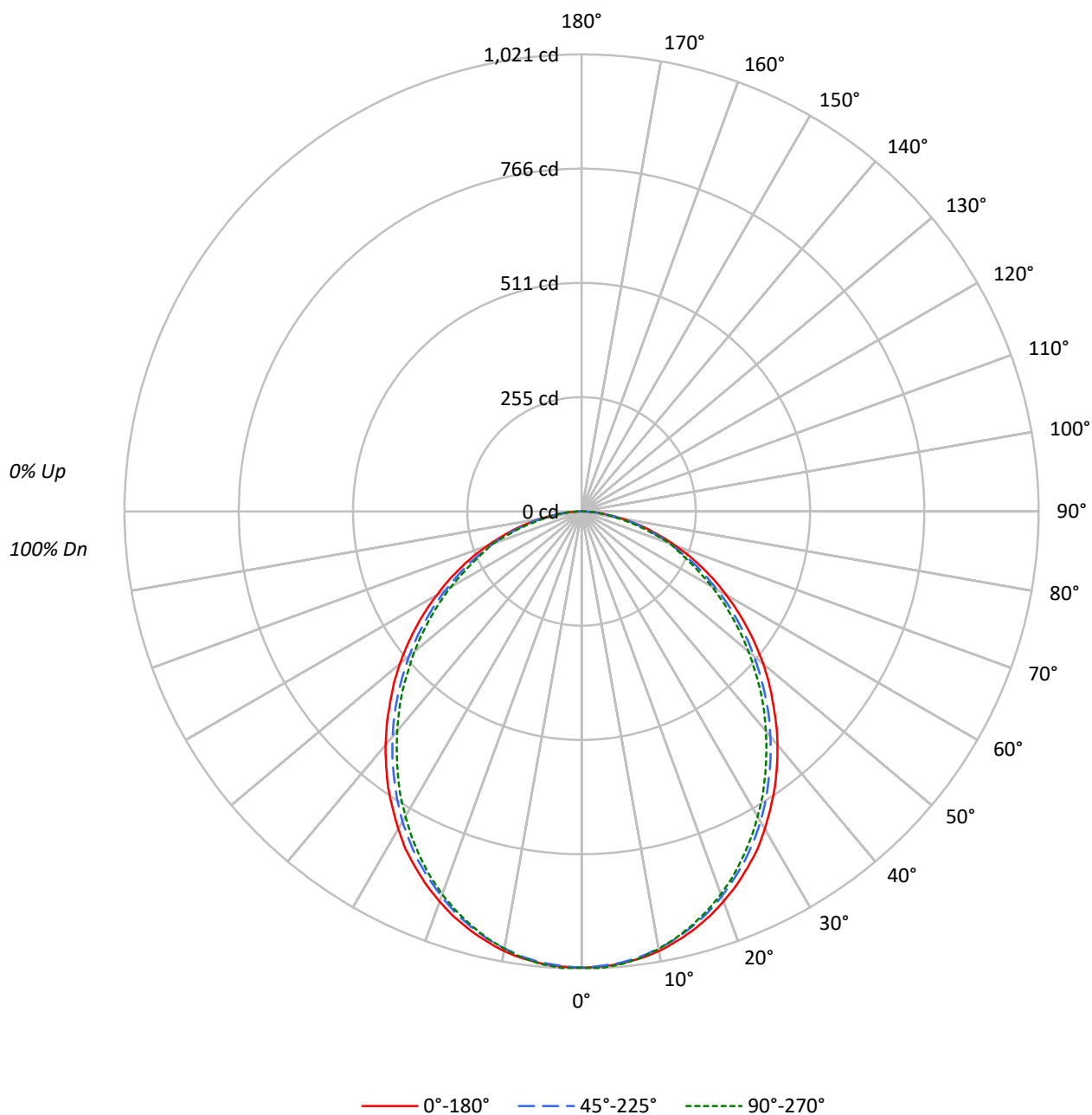
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2743	2743	2743
5°	2739	2733	2743
10°	2726	2709	2711
15°	2696	2673	2664
20°	2655	2621	2606
25°	2606	2560	2531
30°	2544	2486	2444
35°	2473	2397	2350
40°	2392	2305	2250
45°	2301	2207	2150
50°	2218	2105	2040
55°	2117	1994	1924
60°	2006	1881	1808
65°	1892	1768	1687
70°	1749	1648	1666
75°	1611	1517	1439
80°	1402	1345	1206
85°	1179	1108	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2301 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.8
10°-20°	270.8	10.7
20°-30°	397.4	15.7
30°-40°	457.7	18.1
40°-50°	449.3	17.8
50°-60°	383.1	15.1
60°-70°	277.1	10.9
70°-80°	155.8	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°	764.4	30.2
0°-40°	1222.1	48.3
0°-60°	2054.5	81.2
0°-90°	2531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1014	1015	1012	1015	1016	96
15°	968	966	959	958	956	273
25°	878	871	862	855	852	404
35°	753	744	730	720	715	470
45°	605	597	580	569	565	467
55°	451	442	425	415	410	403
65°	297	289	278	267	265	295
75°	155	152	146	140	138	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°	1019.2	1019.2	1019.2	1019.2	1019.2
2.5°	1017.7	1018.5	1016.2	1020.0	1020.7
5°	1014.0	1014.7	1011.8	1014.7	1015.5
7.5°	1007.3	1007.3	1003.5	1005.8	1005.8
10°	997.5	996.0	991.5	992.3	992.3
12.5°	983.3	983.3	977.3	977.3	975.8
15°	967.6	966.1	959.4	957.9	956.4
17.5°	948.9	946.6	939.2	936.2	934.7
20°	927.2	923.4	915.2	911.5	910.0
22.5°	904.0	898.8	889.0	884.5	883.0
25°	877.8	871.1	862.1	855.3	852.4
27.5°	850.9	844.1	831.4	823.9	820.9
30°	818.7	811.9	800.0	791.0	786.5
32.5°	785.8	779.8	765.5	755.8	752.8
35°	752.8	743.8	729.6	719.9	715.4
37.5°	716.9	709.4	693.7	683.2	678.0
40°	681.0	673.5	656.3	645.1	640.6
42.5°	643.6	633.8	618.9	606.9	603.2
45°	604.7	597.2	580.0	568.7	565.0
47.5°	568.0	556.8	541.0	529.8	524.6
50°	529.8	519.3	502.9	490.9	487.2
52.5°	490.2	481.2	464.7	452.7	448.3
55°	451.2	441.5	425.1	414.6	410.1
57.5°	412.3	403.4	388.4	376.4	373.4
60°	372.7	364.4	349.5	339.7	336.0
62.5°	336.0	326.3	312.8	303.1	299.3
65°	297.1	288.9	277.6	267.2	264.9
67.5°	261.2	255.2	241.0	233.5	234.2
70°	222.3	222.3	209.5	202.1	211.8
72.5°	187.8	188.6	177.4	172.9	169.1
75°	154.9	151.9	145.9	139.9	138.4
77.5°	122.0	123.5	118.2	107.0	105.5
80°	90.5	98.8	86.8	79.3	77.8
82.5°	62.1	70.3	59.9	56.1	55.4
85°	38.2	39.7	35.9	35.9	35.9
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)