

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-35-L927.ies

Issue Date: 2/27/2025

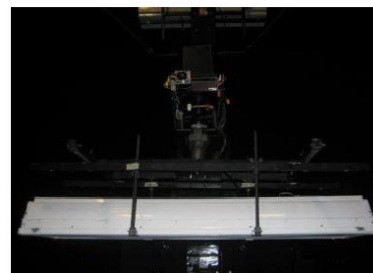
Test Information

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-35-L927.ies
Description: 1x4 D3X-LP AT 3500lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

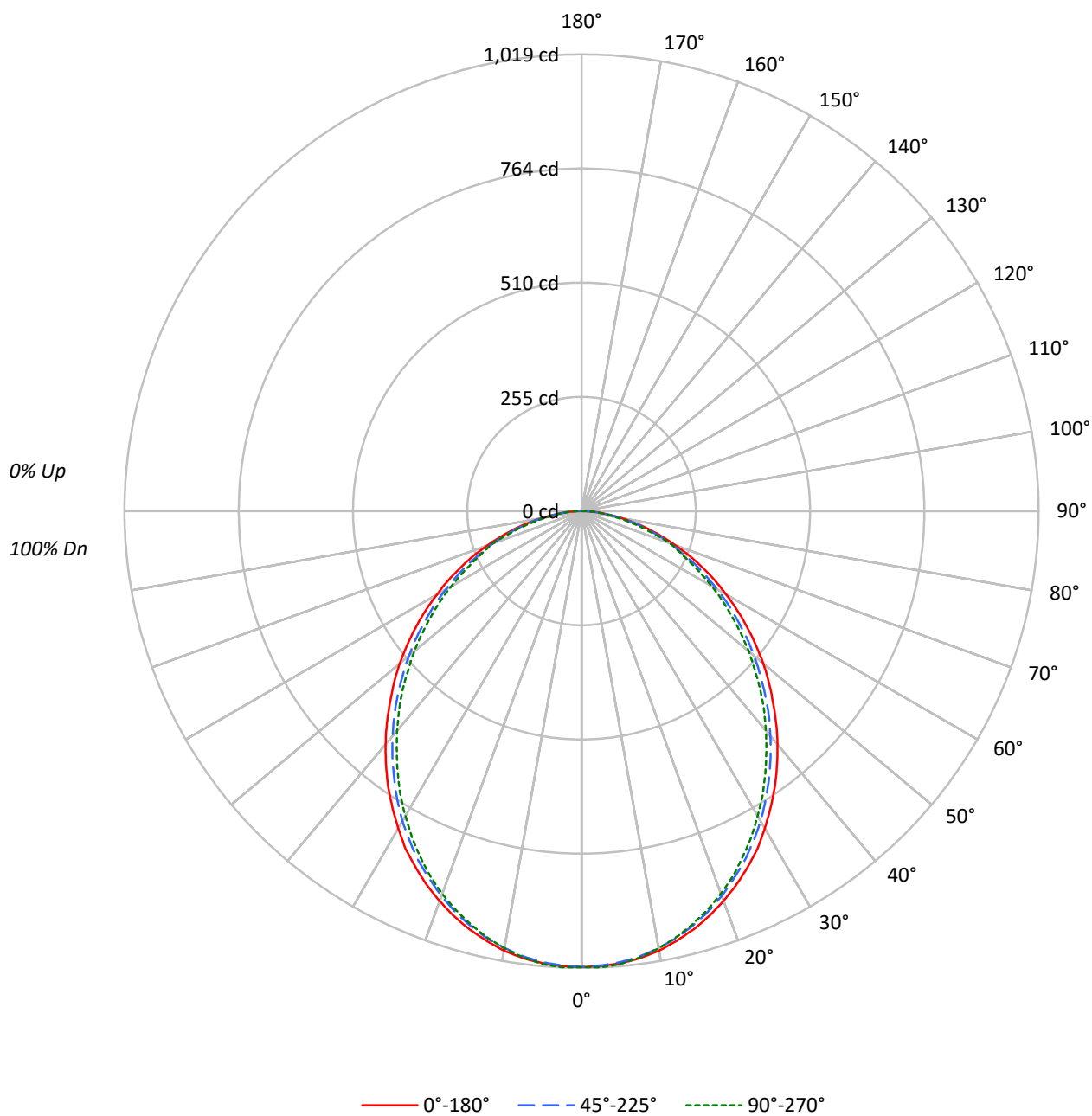
Lumens per Lamp: N/A
Luminaire Lumens: 2526.5 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2738	2738	2738
5°	2734	2728	2738
10°	2721	2705	2707
15°	2691	2668	2660
20°	2650	2616	2601
25°	2602	2555	2526
30°	2539	2481	2440
35°	2469	2393	2346
40°	2388	2301	2246
45°	2297	2203	2146
50°	2214	2102	2036
55°	2113	1991	1921
60°	2002	1878	1805
65°	1889	1764	1684
70°	1746	1646	1663
75°	1607	1515	1437
80°	1401	1344	1204
85°	1176	1108	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2297 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.8
10°-20°	270.3	10.7
20°-30°	396.7	15.7
30°-40°	456.9	18.1
40°-50°	448.5	17.8
50°-60°	382.4	15.1
60°-70°	276.6	10.9
70°-80°	155.6	6.2
80°-90°	43.5	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°	763.0	30.2
0°-40°	1219.9	48.3
0°-60°	2050.8	81.2
0°-90°	2526.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2526.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1012	1013	1010	1013	1014	96
15°	966	964	958	956	955	272
25°	876	870	861	854	851	403
35°	752	742	728	719	714	469
45°	604	596	579	568	564	466
55°	450	441	424	414	409	403
65°	297	288	277	267	264	294
75°	155	152	146	140	138	163
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°	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1015.9	1016.7	1014.4	1018.2	1018.9
5°	1012.2	1012.9	1010.0	1012.9	1013.7
7.5°	1005.5	1005.5	1001.7	1004.0	1004.0
10°	995.8	994.3	989.8	990.5	990.5
12.5°	981.6	981.6	975.6	975.6	974.1
15°	965.9	964.4	957.7	956.2	954.7
17.5°	947.2	945.0	937.5	934.5	933.0
20°	925.5	921.8	913.6	909.9	908.4
22.5°	902.4	897.2	887.4	883.0	881.5
25°	876.2	869.5	860.6	853.8	850.8
27.5°	849.3	842.6	829.9	822.5	819.5
30°	817.2	810.5	798.6	789.6	785.1
32.5°	784.4	778.4	764.2	754.5	751.5
35°	751.5	742.5	728.3	718.6	714.1
37.5°	715.6	708.2	692.5	682.0	676.8
40°	679.8	672.3	655.1	643.9	639.4
42.5°	642.4	632.7	617.8	605.8	602.1
45°	603.6	596.1	578.9	567.7	564.0
47.5°	567.0	555.8	540.1	528.9	523.7
50°	528.9	518.4	502.0	490.0	486.3
52.5°	489.3	480.3	463.9	451.9	447.5
55°	450.4	440.7	424.3	413.8	409.4
57.5°	411.6	402.6	387.7	375.7	372.8
60°	372.0	363.8	348.9	339.1	335.4
62.5°	335.4	325.7	312.2	302.5	298.8
65°	296.6	288.3	277.1	266.7	264.4
67.5°	260.7	254.7	240.5	233.1	233.8
70°	221.9	221.9	209.2	201.7	211.4
72.5°	187.5	188.2	177.0	172.6	168.8
75°	154.6	151.6	145.7	139.7	138.2
77.5°	121.8	123.3	118.0	106.8	105.3
80°	90.4	98.6	86.7	79.2	77.7
82.5°	62.0	70.2	59.8	56.0	55.3
85°	38.1	39.6	35.9	35.9	35.9
87.5°	16.4	18.7	17.9	17.9	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)