

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-L927.ies

Issue Date: 2/27/2025

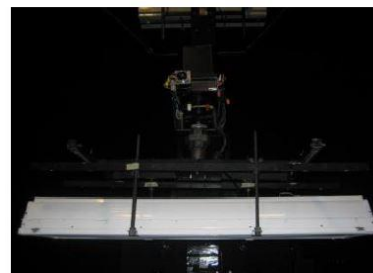
Test Information

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-30-L927.ies
Description: 1x4 D3X-LP AT 3000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.4 lumens
Efficiency: N/A
Efficacy: 69.1 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

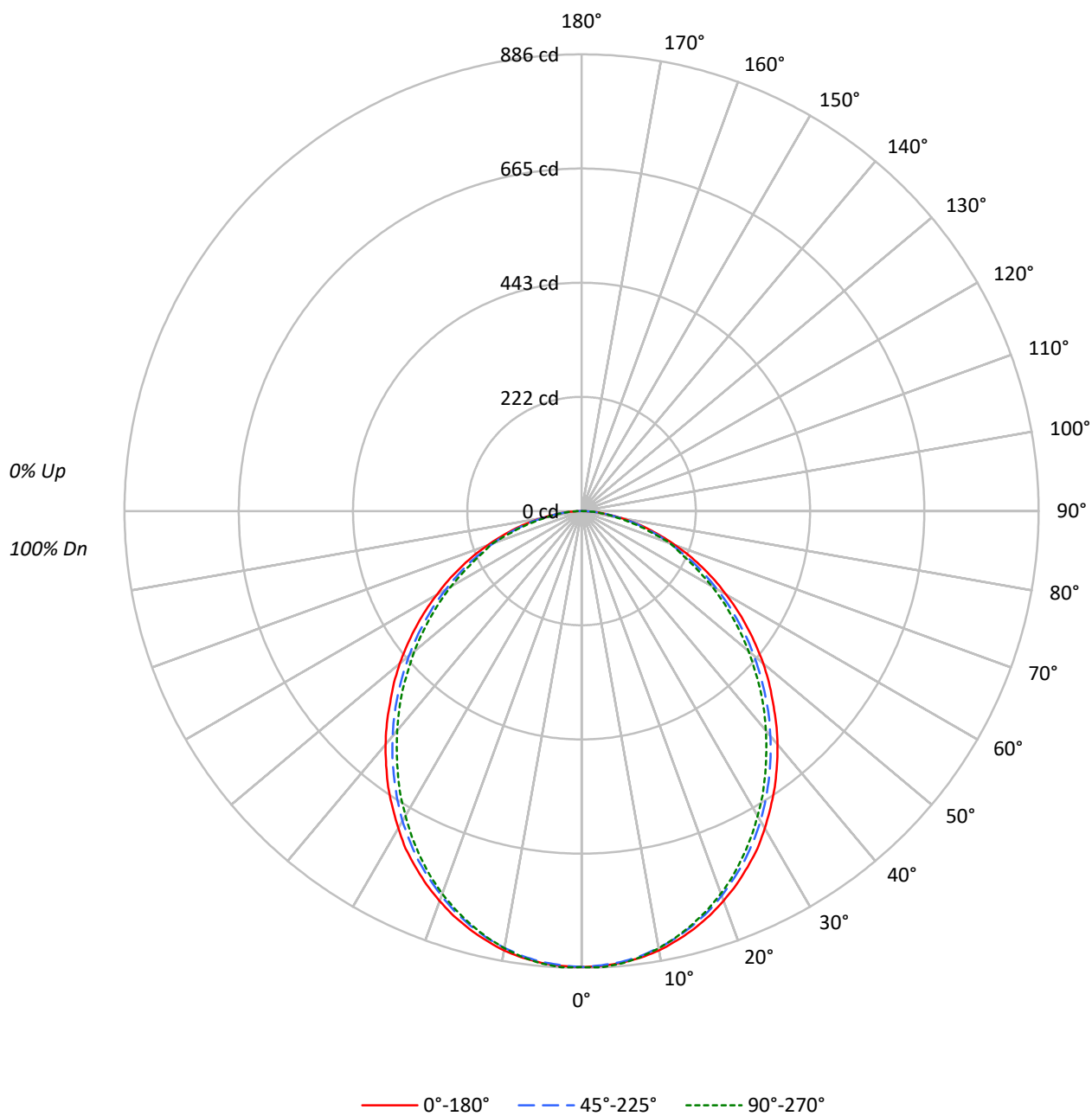
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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°	2380	2380	2380
5°	2377	2372	2380
10°	2365	2351	2353
15°	2339	2319	2312
20°	2304	2274	2261
25°	2262	2221	2196
30°	2207	2157	2121
35°	2146	2080	2039
40°	2076	2001	1953
45°	1997	1915	1866
50°	1925	1827	1770
55°	1837	1731	1670
60°	1741	1632	1569
65°	1642	1534	1464
70°	1518	1430	1446
75°	1397	1316	1249
80°	1218	1167	1046
85°	1022	963	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.8
10°-20°	235.0	10.7
20°-30°	344.9	15.7
30°-40°	397.2	18.1
40°-50°	389.9	17.8
50°-60°	332.4	15.1
60°-70°	240.5	10.9
70°-80°	135.2	6.2
80°-90°	37.8	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°	663.3	30.2
0°-40°	1060.5	48.3
0°-60°	1782.9	81.2
0°-90°	2196.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	880	881	878	881	881	84
15°	840	838	832	831	830	237
25°	762	756	748	742	740	351
35°	653	646	633	625	621	408
45°	525	518	503	494	490	405
55°	392	383	369	360	356	350
65°	258	251	241	232	230	256
75°	134	132	127	121	120	142
85°	33	34	31	31	31	38
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	884.5	884.5	884.5	884.5	884.5
2.5°	883.2	883.8	881.9	885.1	885.8
5°	879.9	880.6	878.0	880.6	881.2
7.5°	874.1	874.1	870.8	872.8	872.8
10°	865.6	864.3	860.5	861.1	861.1
12.5°	853.3	853.3	848.1	848.1	846.8
15°	839.7	838.4	832.5	831.2	829.9
17.5°	823.4	821.5	815.0	812.4	811.1
20°	804.6	801.4	794.2	791.0	789.7
22.5°	784.5	779.9	771.5	767.6	766.3
25°	761.7	755.9	748.1	742.3	739.7
27.5°	738.4	732.5	721.5	715.0	712.4
30°	710.4	704.6	694.2	686.4	682.5
32.5°	681.9	676.7	664.3	655.9	653.3
35°	653.3	645.5	633.2	624.7	620.8
37.5°	622.1	615.6	602.0	592.9	588.4
40°	591.0	584.5	569.5	559.8	555.9
42.5°	558.5	550.0	537.1	526.7	523.4
45°	524.7	518.2	503.3	493.5	490.3
47.5°	492.9	483.2	469.5	459.8	455.2
50°	459.8	450.7	436.4	426.0	422.8
52.5°	425.4	417.6	403.3	392.9	389.0
55°	391.6	383.1	368.9	359.8	355.9
57.5°	357.8	350.0	337.0	326.6	324.0
60°	323.4	316.3	303.3	294.8	291.6
62.5°	291.6	283.1	271.4	263.0	259.8
65°	257.8	250.7	240.9	231.8	229.9
67.5°	226.6	221.4	209.1	202.6	203.3
70°	192.9	192.9	181.8	175.3	183.8
72.5°	163.0	163.6	153.9	150.0	146.8
75°	134.4	131.8	126.6	121.4	120.1
77.5°	105.9	107.2	102.6	92.9	91.6
80°	78.6	85.7	75.3	68.8	67.5
82.5°	53.9	61.0	52.0	48.7	48.1
85°	33.1	34.4	31.2	31.2	31.2
87.5°	14.3	16.2	15.6	15.6	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)