

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-L940.ies

Issue Date: 2/27/2025

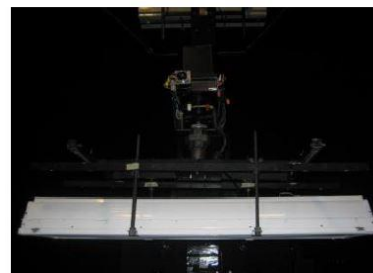
Test Information

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-L940.ies
Description: 1x4 D3X-LP AT 3000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2502.0 lumens
Efficiency: N/A
Efficacy: 78.7 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

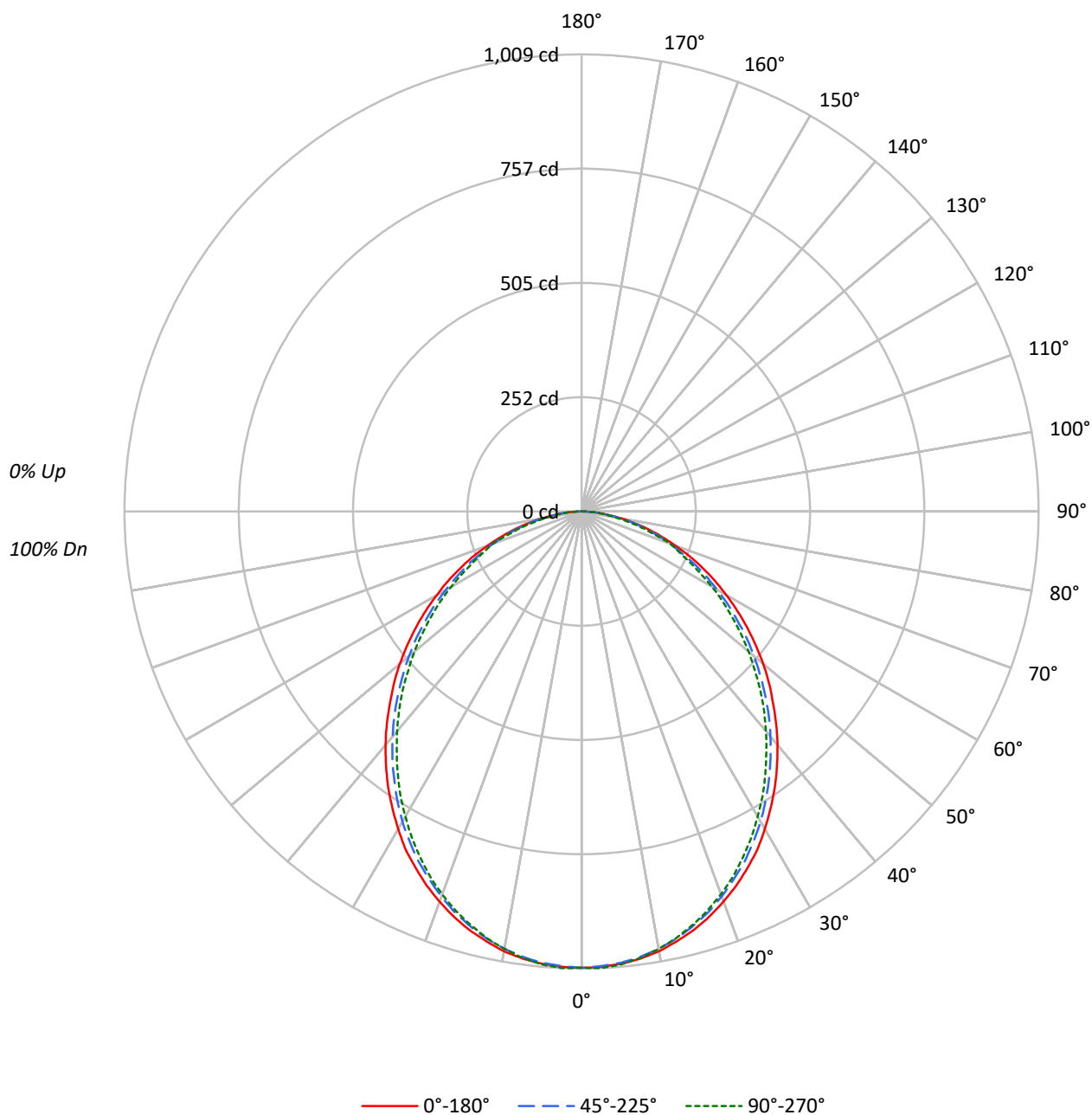
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2711	2711	2711
5°	2708	2702	2712
10°	2695	2678	2680
15°	2665	2642	2634
20°	2625	2591	2576
25°	2576	2530	2502
30°	2515	2457	2416
35°	2445	2370	2323
40°	2365	2279	2224
45°	2275	2182	2125
50°	2193	2081	2016
55°	2093	1971	1902
60°	1983	1859	1788
65°	1870	1748	1668
70°	1729	1629	1648
75°	1592	1500	1423
80°	1387	1330	1192
85°	1164	1096	1096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2275 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	3.8
10°-20°	267.7	10.7
20°-30°	392.9	15.7
30°-40°	452.5	18.1
40°-50°	444.2	17.8
50°-60°	378.7	15.1
60°-70°	274.0	10.9
70°-80°	154.0	6.2
80°-90°	43.1	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°	755.6	30.2
0°-40°	1208.1	48.3
0°-60°	2031.0	81.2
0°-90°	2502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1008	1008	1008	1008	1008	
5°	1002	1003	1000	1003	1004	95
15°	956	955	948	947	945	270
25°	868	861	852	846	843	400
35°	744	735	721	712	707	465
45°	598	590	573	562	558	462
55°	446	436	420	410	405	399
65°	294	286	274	264	262	291
75°	153	150	144	138	137	162
85°	38	39	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°	1007.6	1007.6	1007.6	1007.6	1007.6
2.5°	1006.1	1006.8	1004.6	1008.3	1009.0
5°	1002.4	1003.1	1000.2	1003.1	1003.9
7.5°	995.7	995.7	992.0	994.2	994.2
10°	986.1	984.6	980.2	980.9	980.9
12.5°	972.0	972.0	966.1	966.1	964.7
15°	956.5	955.0	948.4	946.9	945.4
17.5°	938.0	935.8	928.4	925.4	924.0
20°	916.6	912.9	904.7	901.0	899.6
22.5°	893.6	888.5	878.8	874.4	872.9
25°	867.7	861.1	852.2	845.5	842.6
27.5°	841.1	834.5	821.9	814.5	811.5
30°	809.3	802.6	790.8	781.9	777.5
32.5°	776.8	770.8	756.8	747.2	744.2
35°	744.2	735.3	721.3	711.7	707.2
37.5°	708.7	701.3	685.8	675.4	670.2
40°	673.2	665.8	648.8	637.7	633.2
42.5°	636.2	626.6	611.8	599.9	596.2
45°	597.7	590.3	573.3	562.2	558.5
47.5°	561.5	550.4	534.8	523.8	518.6
50°	523.8	513.4	497.1	485.3	481.6
52.5°	484.5	475.7	459.4	447.6	443.1
55°	446.1	436.5	420.2	409.8	405.4
57.5°	407.6	398.7	383.9	372.1	369.1
60°	368.4	360.3	345.5	335.9	332.2
62.5°	332.2	322.5	309.2	299.6	295.9
65°	293.7	285.5	274.5	264.1	261.9
67.5°	258.2	252.3	238.2	230.8	231.5
70°	219.7	219.7	207.1	199.7	209.4
72.5°	185.7	186.4	175.3	170.9	167.2
75°	153.1	150.2	144.3	138.3	136.9
77.5°	120.6	122.1	116.9	105.8	104.3
80°	89.5	97.6	85.8	78.4	76.9
82.5°	61.4	69.5	59.2	55.5	54.7
85°	37.7	39.2	35.5	35.5	35.5
87.5°	16.3	18.5	17.8	17.8	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)