

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-L830.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-L830.ies
Description: 1x4 D3X-LP AT 3000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

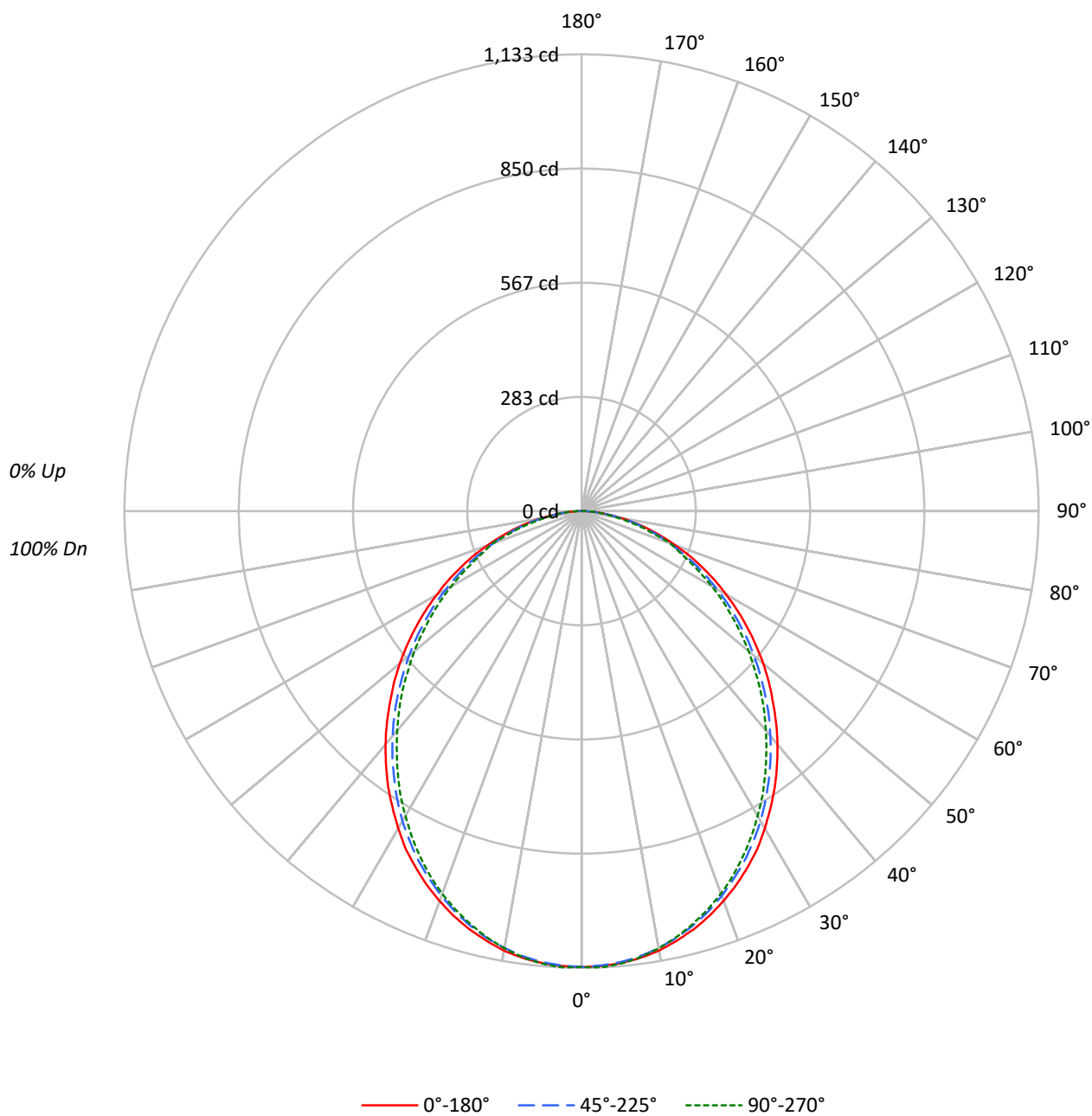
Lumens per Lamp: N/A
Luminaire Lumens: 2809.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3044	3044	3044
5°	3040	3033	3044
10°	3025	3007	3009
15°	2992	2966	2957
20°	2947	2909	2892
25°	2893	2841	2809
30°	2823	2759	2712
35°	2745	2660	2608
40°	2655	2559	2497
45°	2554	2450	2387
50°	2462	2336	2264
55°	2350	2213	2135
60°	2226	2088	2007
65°	2099	1962	1872
70°	1941	1829	1849
75°	1787	1684	1597
80°	1557	1492	1339
85°	1309	1232	1232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2554 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	3.8
10°-20°	300.6	10.7
20°-30°	441.1	15.7
30°-40°	508.0	18.1
40°-50°	498.7	17.8
50°-60°	425.2	15.1
60°-70°	307.6	10.9
70°-80°	172.9	6.2
80°-90°	48.3	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°	848.3	30.2
0°-40°	1356.3	48.3
0°-60°	2280.2	81.2
0°-90°	2809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1125	1126	1123	1126	1127	107
15°	1074	1072	1065	1063	1061	303
25°	974	967	957	949	946	449
35°	836	826	810	799	794	522
45°	671	663	644	631	627	519
55°	501	490	472	460	455	448
65°	330	321	308	296	294	327
75°	172	169	162	155	154	182
85°	42	44	40	40	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.2	1131.2	1131.2	1131.2	1131.2
2.5°	1129.5	1130.4	1127.9	1132.0	1132.8
5°	1125.4	1126.2	1122.9	1126.2	1127.0
7.5°	1117.9	1117.9	1113.7	1116.2	1116.2
10°	1107.1	1105.4	1100.5	1101.3	1101.3
12.5°	1091.3	1091.3	1084.7	1084.7	1083.0
15°	1073.9	1072.2	1064.7	1063.1	1061.4
17.5°	1053.1	1050.6	1042.3	1039.0	1037.3
20°	1029.0	1024.9	1015.7	1011.6	1009.9
22.5°	1003.3	997.5	986.7	981.7	980.0
25°	974.2	966.7	956.8	949.3	946.0
27.5°	944.3	936.8	922.7	914.4	911.1
30°	908.6	901.1	887.8	877.9	872.9
32.5°	872.1	865.4	849.6	838.8	835.5
35°	835.5	825.6	809.8	799.0	794.0
37.5°	795.7	787.3	769.9	758.3	752.5
40°	755.8	747.5	728.4	715.9	710.9
42.5°	714.3	703.5	686.9	673.6	669.4
45°	671.1	662.8	643.7	631.2	627.1
47.5°	630.4	617.9	600.5	588.0	582.2
50°	588.0	576.4	558.1	544.8	540.7
52.5°	544.0	534.0	515.8	502.5	497.5
55°	500.8	490.0	471.7	460.1	455.1
57.5°	457.6	447.7	431.0	417.8	414.4
60°	413.6	404.5	387.9	377.1	372.9
62.5°	372.9	362.1	347.2	336.4	332.2
65°	329.7	320.6	308.1	296.5	294.0
67.5°	289.9	283.2	267.4	259.1	260.0
70°	246.7	246.7	232.5	224.2	235.0
72.5°	208.5	209.3	196.8	191.9	187.7
75°	171.9	168.6	162.0	155.3	153.6
77.5°	135.4	137.0	131.2	118.8	117.1
80°	100.5	109.6	96.3	88.0	86.4
82.5°	68.9	78.1	66.4	62.3	61.5
85°	42.4	44.0	39.9	39.9	39.9
87.5°	18.3	20.8	19.9	19.9	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)