

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-WD-30-L830.ies

Issue Date: 2/27/2025

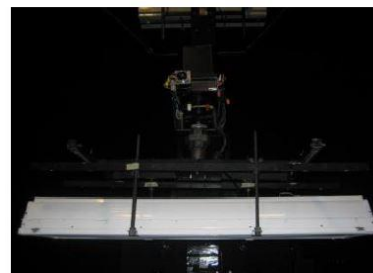
Test Information

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-WD-30-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 3000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.1 lumens
Efficiency: N/A
Efficacy: 79.5 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

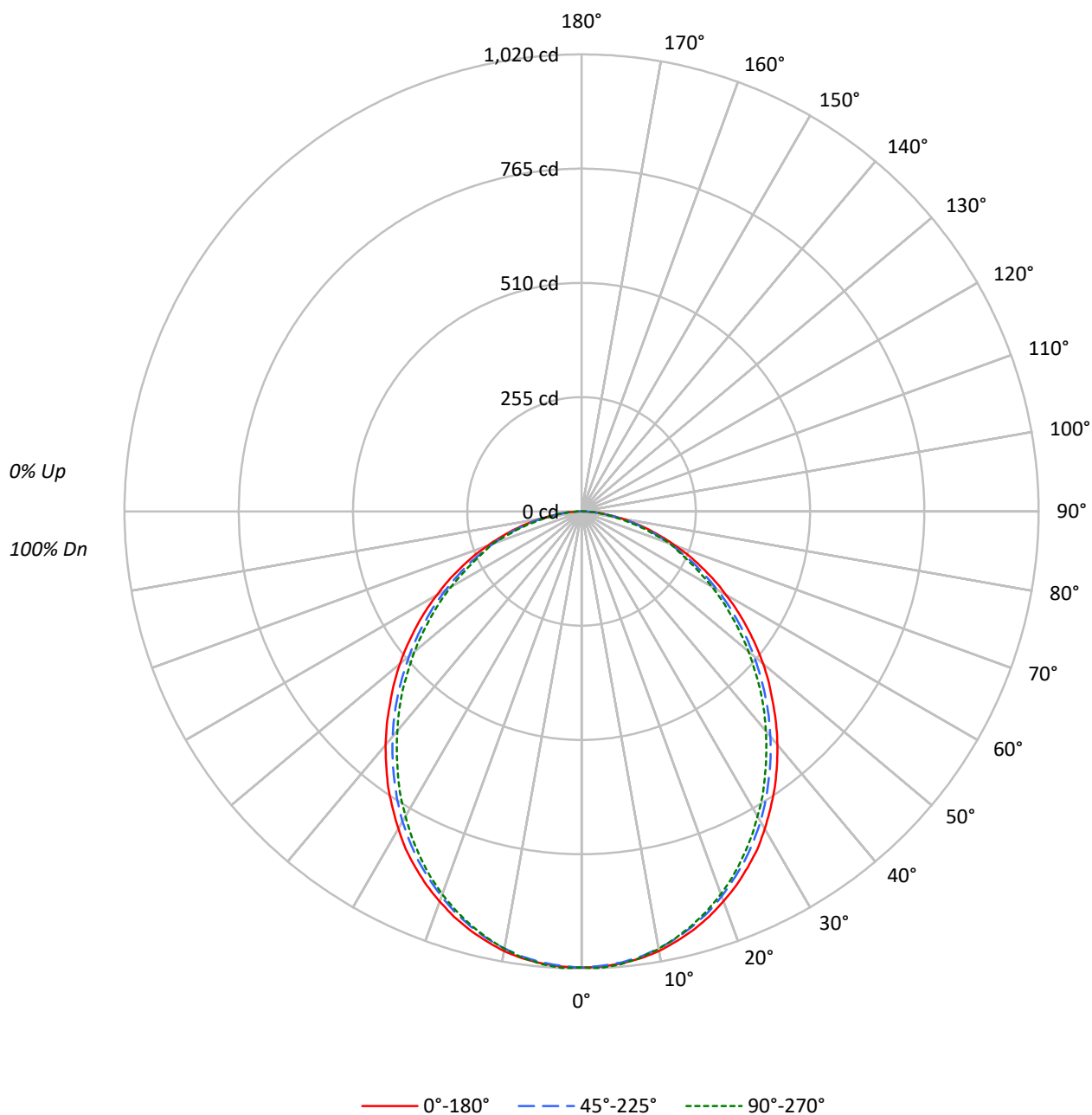
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2740	2740	2740
5°	2736	2730	2740
10°	2723	2706	2708
15°	2693	2670	2661
20°	2652	2618	2603
25°	2603	2557	2528
30°	2541	2483	2441
35°	2470	2394	2348
40°	2389	2303	2248
45°	2299	2205	2148
50°	2215	2103	2037
55°	2114	1992	1922
60°	2003	1879	1806
65°	1889	1766	1685
70°	1747	1647	1664
75°	1608	1516	1438
80°	1401	1344	1204
85°	1176	1108	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	3.8
10°-20°	270.5	10.7
20°-30°	397.0	15.7
30°-40°	457.2	18.1
40°-50°	448.8	17.8
50°-60°	382.6	15.1
60°-70°	276.8	10.9
70°-80°	155.7	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°	763.5	30.2
0°-40°	1220.7	48.3
0°-60°	2052.1	81.2
0°-90°	2528.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1013	1014	1011	1014	1014	96
15°	966	965	958	957	955	272
25°	877	870	861	854	851	404
35°	752	743	729	719	715	470
45°	604	596	579	568	564	467
55°	451	441	425	414	410	403
65°	297	288	277	267	265	294
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°	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	1016.6	1017.3	1015.1	1018.8	1019.6
5°	1012.8	1013.6	1010.6	1013.6	1014.3
7.5°	1006.1	1006.1	1002.4	1004.6	1004.6
10°	996.4	994.9	990.4	991.2	991.2
12.5°	982.2	982.2	976.2	976.2	974.7
15°	966.5	965.0	958.3	956.8	955.3
17.5°	947.8	945.6	938.1	935.1	933.6
20°	926.1	922.4	914.2	910.4	908.9
22.5°	903.0	897.7	888.0	883.5	882.0
25°	876.8	870.1	861.1	854.4	851.4
27.5°	849.9	843.2	830.5	823.0	820.0
30°	817.7	811.0	799.1	790.1	785.6
32.5°	784.9	778.9	764.7	755.0	752.0
35°	752.0	743.0	728.8	719.1	714.6
37.5°	716.1	708.6	692.9	682.4	677.2
40°	680.2	672.7	655.5	644.3	639.8
42.5°	642.8	633.1	618.2	606.2	602.5
45°	604.0	596.5	579.3	568.1	564.3
47.5°	567.3	556.1	540.4	529.2	524.0
50°	529.2	518.8	502.3	490.3	486.6
52.5°	489.6	480.6	464.2	452.2	447.7
55°	450.7	441.0	424.6	414.1	409.6
57.5°	411.9	402.9	387.9	376.0	373.0
60°	372.2	364.0	349.1	339.4	335.6
62.5°	335.6	325.9	312.4	302.7	299.0
65°	296.7	288.5	277.3	266.9	264.6
67.5°	260.9	254.9	240.7	233.2	234.0
70°	222.0	222.0	209.3	201.8	211.5
72.5°	187.6	188.4	177.2	172.7	168.9
75°	154.7	151.7	145.8	139.8	138.3
77.5°	121.8	123.3	118.1	106.9	105.4
80°	90.4	98.7	86.7	79.2	77.7
82.5°	62.0	70.3	59.8	56.1	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)