

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: P601222

Luminaire Tested: 14D3X-LP-30-L830

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601222  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-30-L830  
Description: 1x4 D3X-LP AT 3000lm 3000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

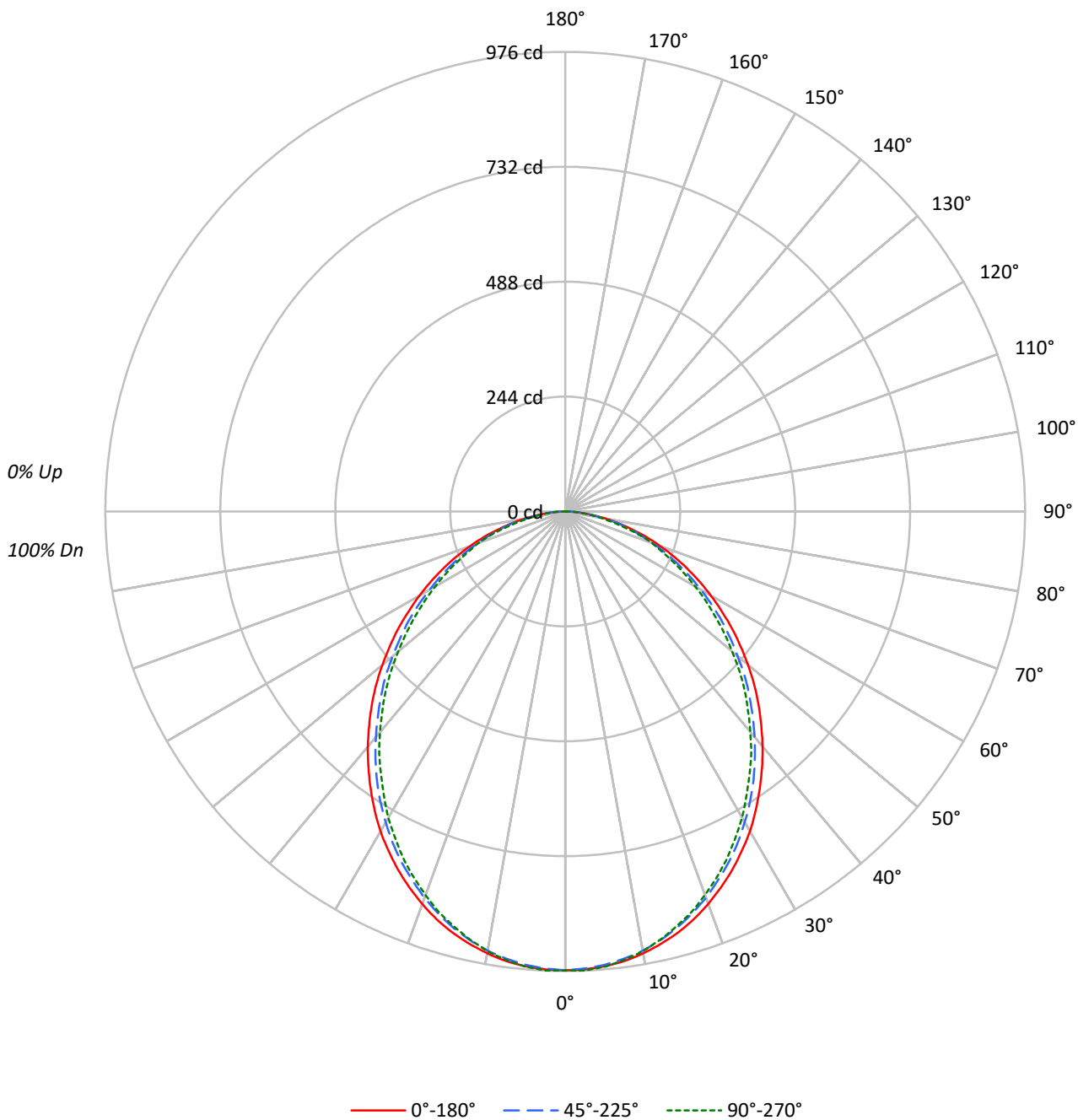
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2411.0 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27  
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	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	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	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	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	2622	2622	2622
5°	2619	2610	2620
10°	2604	2588	2592
15°	2579	2551	2542
20°	2540	2500	2482
25°	2493	2440	2414
30°	2437	2368	2333
35°	2364	2289	2239
40°	2290	2196	2147
45°	2208	2102	2051
50°	2118	1999	1935
55°	2026	1904	1824
60°	1921	1788	1716
65°	1813	1675	1603
70°	1686	1562	1541
75°	1516	1444	1338
80°	1336	1247	1150
85°	1078	1078	1056

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2208 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.9	3.8
10°-20°	258.5	10.7
20°-30°	379.1	15.7
30°-40°	436.7	18.1
40°-50°	428.5	17.8
50°-60°	364.5	15.1
60°-70°	263.6	10.9
70°-80°	147.3	6.1
80°-90°	41.0	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°	729.5	30.3
0°-40°	1166.1	48.4
0°-60°	1959.1	81.3
0°-90°	2411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2411.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	970	970	966	970	970	92
15°	926	922	916	914	912	261
25°	840	832	822	815	813	386
35°	720	710	697	686	682	450
45°	580	569	552	542	539	447
55°	432	420	406	394	389	386
65°	285	277	263	253	252	282
75°	146	144	139	131	129	156
85°	35	37	35	34	34	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	974.5	974.5	974.5	974.5	974.5
2.5°	973.3	973.3	971.4	975.2	975.8
5°	969.5	969.5	966.3	969.5	970.1
7.5°	963.1	961.9	958.1	960.6	960.6
10°	953.0	951.7	947.3	947.9	948.5
12.5°	940.3	938.4	932.7	932.1	931.4
15°	925.7	922.5	915.6	914.3	912.4
17.5°	908.0	903.5	895.3	893.4	892.1
20°	887.0	881.3	873.1	868.7	866.7
22.5°	864.2	857.9	847.7	843.3	840.8
25°	839.5	832.5	821.7	815.4	812.9
27.5°	812.2	804.6	793.2	785.0	781.8
30°	784.3	774.8	762.1	753.9	750.7
32.5°	752.6	742.5	730.4	720.3	715.8
35°	719.6	710.1	696.8	686.0	681.6
37.5°	686.0	677.2	661.3	651.8	648.6
40°	651.8	641.7	625.2	613.8	611.2
42.5°	615.7	606.8	588.4	578.9	574.5
45°	580.2	568.7	552.3	541.5	538.9
47.5°	544.0	531.3	516.8	504.7	501.5
50°	506.0	494.6	477.4	466.7	462.2
52.5°	468.6	458.4	441.3	429.3	426.1
55°	431.8	420.4	405.8	394.4	388.7
57.5°	393.1	384.2	369.0	358.2	353.8
60°	357.0	346.8	332.2	323.4	318.9
62.5°	320.2	310.1	298.0	288.5	284.7
65°	284.7	277.1	263.1	253.0	251.7
67.5°	249.2	242.8	230.8	220.7	221.3
70°	214.3	208.6	198.5	192.1	195.9
72.5°	181.3	178.2	166.8	162.3	164.2
75°	145.8	143.9	138.9	130.6	128.7
77.5°	116.0	117.3	111.6	101.4	98.9
80°	86.2	89.4	80.5	77.4	74.2
82.5°	59.6	64.0	56.4	53.9	52.6
85°	34.9	36.8	34.9	34.2	34.2
87.5°	14.6	17.1	17.1	17.8	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)