

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: P601226

Luminaire Tested: 14D3X-LP-30-L935

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601226  
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-L935  
Description: 1x4 D3X-LP AT 3000lm 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

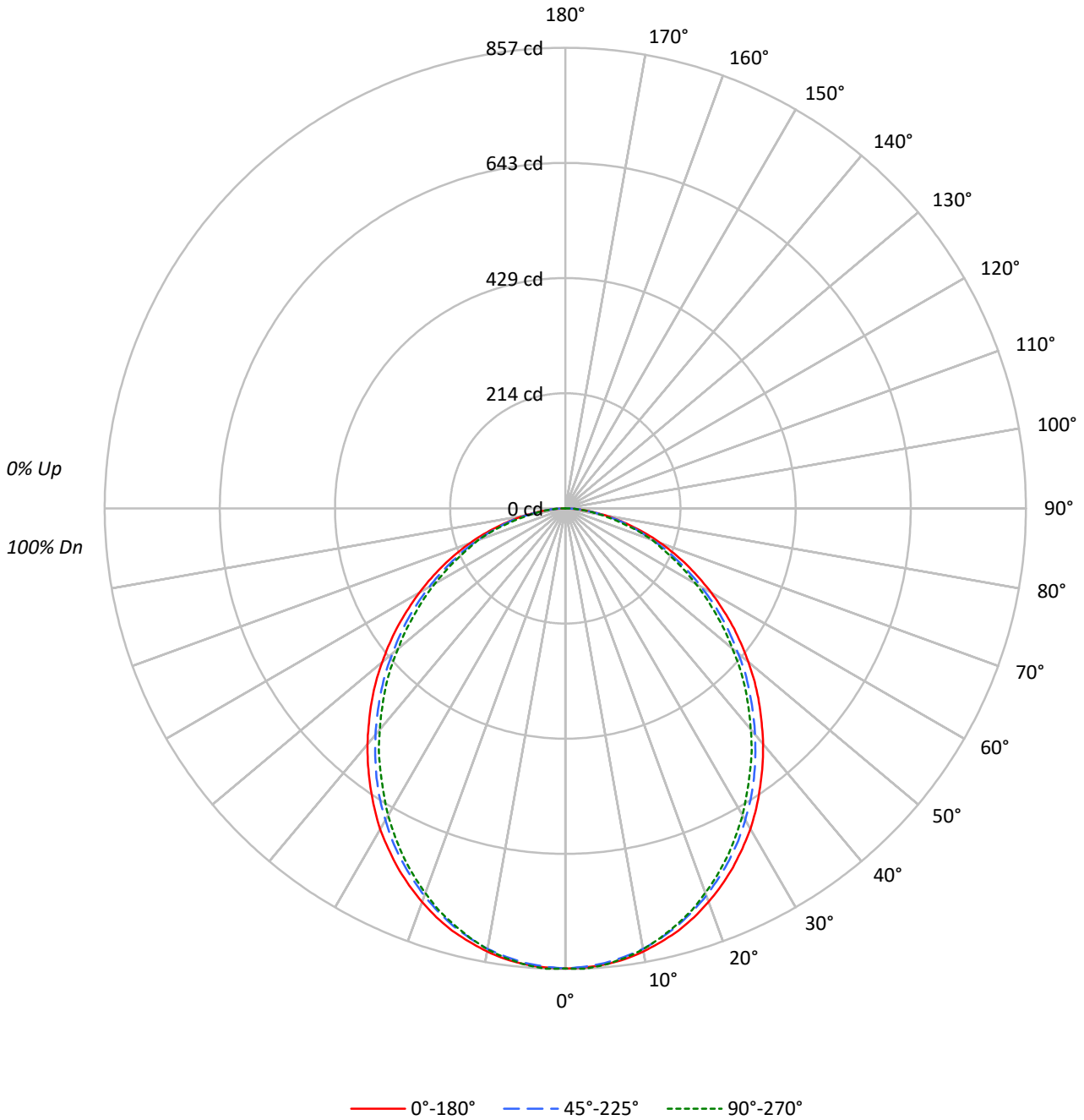
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2118.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 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°	2304	2304	2304
5°	2301	2293	2302
10°	2288	2274	2277
15°	2265	2241	2233
20°	2231	2196	2180
25°	2190	2143	2120
30°	2141	2080	2049
35°	2077	2011	1967
40°	2011	1929	1886
45°	1940	1846	1802
50°	1861	1756	1700
55°	1780	1673	1602
60°	1688	1571	1508
65°	1592	1472	1408
70°	1482	1371	1354
75°	1332	1268	1176
80°	1175	1096	1010
85°	945	945	929

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1940 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.7	3.8
10°-20°	227.1	10.7
20°-30°	333.0	15.7
30°-40°	383.6	18.1
40°-50°	376.4	17.8
50°-60°	320.3	15.1
60°-70°	231.5	10.9
70°-80°	129.4	6.1
80°-90°	36.0	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°	640.8	30.3
0°-40°	1024.4	48.4
0°-60°	1721.1	81.3
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	856	856	856	856	856	
5°	852	852	849	852	852	81
15°	813	810	804	803	802	229
25°	738	731	722	716	714	339
35°	632	624	612	603	599	395
45°	510	500	485	476	473	393
55°	379	369	356	346	341	339
65°	250	243	231	222	221	248
75°	128	126	122	115	113	137
85°	31	32	31	30	30	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	856.1	856.1	856.1	856.1	856.1
2.5°	855.0	855.0	853.3	856.7	857.2
5°	851.7	851.7	848.9	851.7	852.2
7.5°	846.1	845.0	841.6	843.9	843.9
10°	837.2	836.1	832.2	832.7	833.3
12.5°	826.0	824.4	819.3	818.8	818.2
15°	813.2	810.4	804.3	803.2	801.5
17.5°	797.6	793.7	786.5	784.8	783.7
20°	779.2	774.2	767.0	763.1	761.4
22.5°	759.2	753.6	744.7	740.8	738.6
25°	737.5	731.3	721.9	716.3	714.1
27.5°	713.5	706.8	696.8	689.6	686.8
30°	689.0	680.7	669.5	662.3	659.5
32.5°	661.2	652.2	641.7	632.7	628.9
35°	632.2	623.8	612.1	602.7	598.8
37.5°	602.7	594.9	580.9	572.6	569.8
40°	572.6	563.7	549.2	539.2	536.9
42.5°	540.8	533.0	516.9	508.5	504.6
45°	509.7	499.6	485.1	475.7	473.4
47.5°	477.9	466.8	454.0	443.4	440.6
50°	444.5	434.5	419.4	410.0	406.1
52.5°	411.6	402.7	387.7	377.1	374.3
55°	379.3	369.3	356.5	346.5	341.4
57.5°	345.3	337.5	324.2	314.7	310.8
60°	313.6	304.7	291.9	284.1	280.2
62.5°	281.3	272.4	261.8	253.4	250.1
65°	250.1	243.4	231.2	222.2	221.1
67.5°	218.9	213.3	202.7	193.8	194.4
70°	188.3	183.3	174.3	168.8	172.1
72.5°	159.3	156.5	146.5	142.6	144.3
75°	128.1	126.4	122.0	114.7	113.1
77.5°	101.9	103.0	98.0	89.1	86.9
80°	75.8	78.5	70.7	68.0	65.2
82.5°	52.4	56.3	49.6	47.3	46.2
85°	30.6	32.3	30.6	30.1	30.1
87.5°	12.8	15.0	15.0	15.6	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)