

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-25-L850.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-25-L850.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2339.4 lumens
Efficiency: N/A
Efficacy: 86.6 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

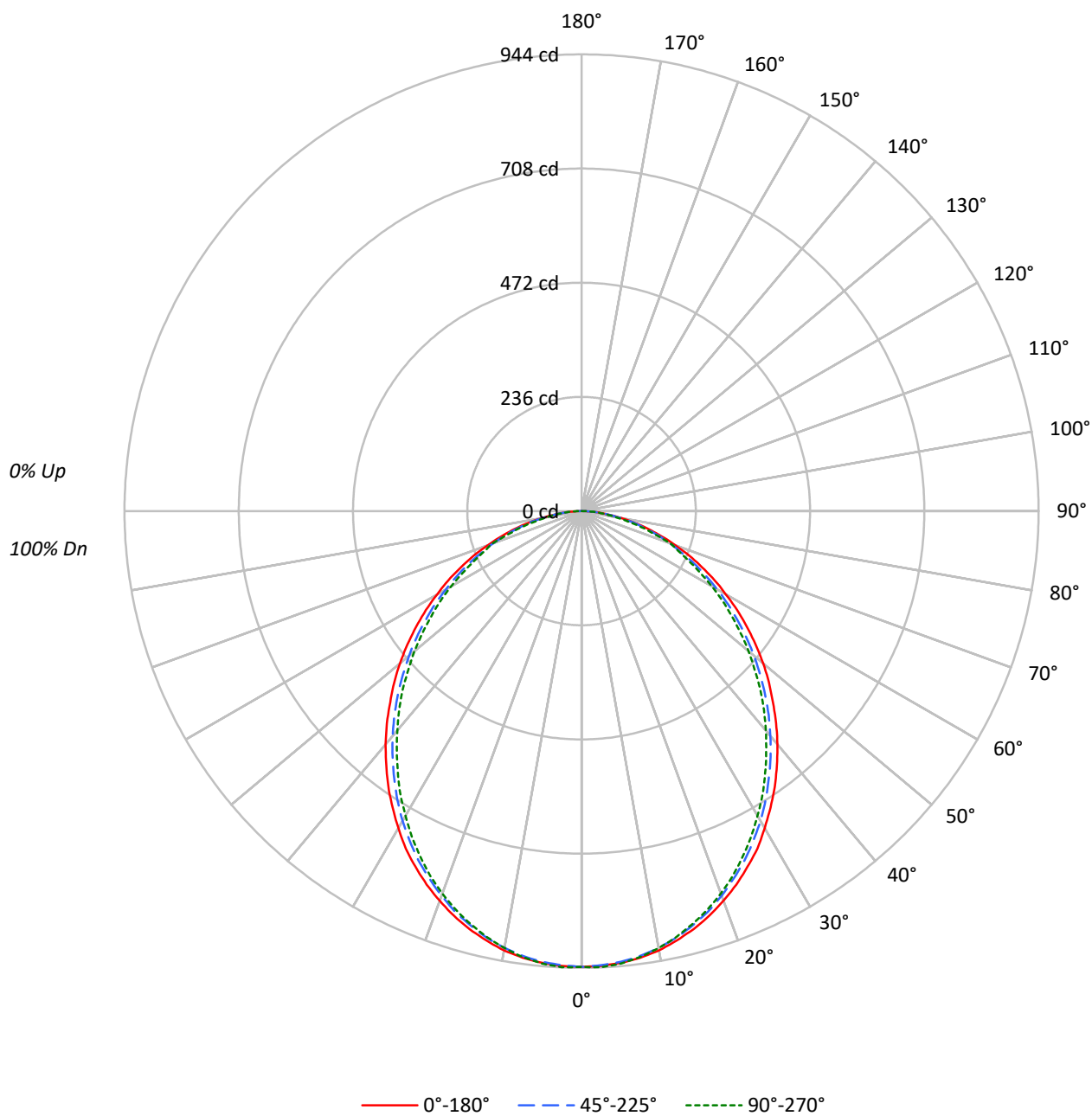
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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°	2535	2535	2535
5°	2532	2526	2535
10°	2519	2504	2506
15°	2492	2470	2463
20°	2454	2422	2409
25°	2409	2366	2339
30°	2351	2298	2259
35°	2286	2215	2172
40°	2211	2131	2080
45°	2127	2040	1987
50°	2050	1946	1885
55°	1957	1843	1778
60°	1854	1738	1672
65°	1748	1634	1559
70°	1616	1524	1540
75°	1489	1403	1331
80°	1297	1243	1114
85°	1090	1025	1025

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	3.8
10°-20°	250.3	10.7
20°-30°	367.3	15.7
30°-40°	423.1	18.1
40°-50°	415.3	17.8
50°-60°	354.1	15.1
60°-70°	256.1	10.9
70°-80°	144.0	6.2
80°-90°	40.3	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°	706.5	30.2
0°-40°	1129.6	48.3
0°-60°	1899.0	81.2
0°-90°	2339.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2339.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	937	938	935	938	939	89
15°	894	893	887	885	884	252
25°	811	805	797	791	788	374
35°	696	688	674	665	661	435
45°	559	552	536	526	522	432
55°	417	408	393	383	379	373
65°	275	267	257	247	245	272
75°	143	140	135	129	128	151
85°	35	37	33	33	33	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	942.1	942.1	942.1	942.1	942.1
2.5°	940.7	941.4	939.3	942.8	943.5
5°	937.2	937.9	935.2	937.9	938.6
7.5°	931.0	931.0	927.6	929.6	929.6
10°	922.0	920.6	916.5	917.2	917.2
12.5°	908.9	908.9	903.3	903.3	902.0
15°	894.4	893.0	886.7	885.4	884.0
17.5°	877.1	875.0	868.1	865.3	863.9
20°	857.0	853.5	845.9	842.5	841.1
22.5°	835.6	830.7	821.7	817.6	816.2
25°	811.4	805.1	796.8	790.6	787.8
27.5°	786.4	780.2	768.5	761.5	758.8
30°	756.7	750.5	739.4	731.1	727.0
32.5°	726.3	720.7	707.6	698.6	695.8
35°	695.8	687.5	674.4	665.4	661.3
37.5°	662.6	655.7	641.2	631.5	626.7
40°	629.4	622.5	606.6	596.2	592.1
42.5°	594.9	585.9	572.0	561.0	557.5
45°	558.9	552.0	536.1	525.7	522.2
47.5°	525.0	514.6	500.1	489.7	484.9
50°	489.7	480.0	464.8	453.7	450.3
52.5°	453.1	444.8	429.5	418.5	414.3
55°	417.1	408.1	392.9	383.2	379.0
57.5°	381.1	372.8	359.0	347.9	345.2
60°	344.5	336.9	323.0	314.0	310.6
62.5°	310.6	301.6	289.1	280.1	276.7
65°	274.6	267.0	256.6	246.9	244.9
67.5°	241.4	235.9	222.7	215.8	216.5
70°	205.4	205.4	193.7	186.8	195.7
72.5°	173.6	174.3	163.9	159.8	156.3
75°	143.2	140.4	134.9	129.3	128.0
77.5°	112.7	114.1	109.3	98.9	97.5
80°	83.7	91.3	80.2	73.3	71.9
82.5°	57.4	65.0	55.3	51.9	51.2
85°	35.3	36.7	33.2	33.2	33.2
87.5°	15.2	17.3	16.6	16.6	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)