

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-25-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-25-L830.ies
Description: 1x4 D3X-LP AT 2500lm 3000K 80CRI
Light Source: -
Ballast/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 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

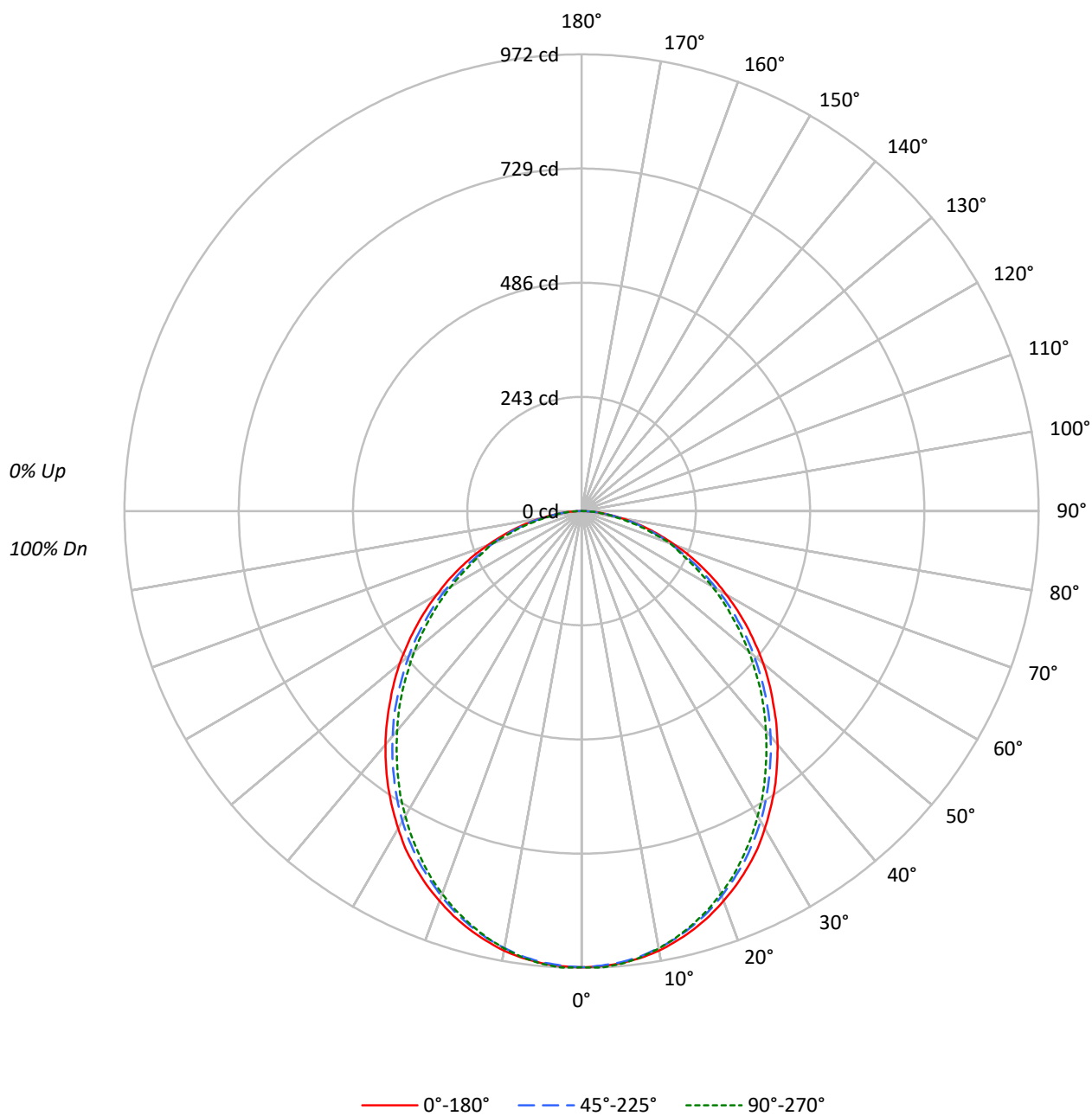
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2613	2613	2613
5°	2609	2603	2613
10°	2596	2581	2583
15°	2568	2546	2538
20°	2529	2497	2482
25°	2483	2438	2411
30°	2423	2368	2328
35°	2356	2283	2239
40°	2279	2196	2144
45°	2192	2103	2048
50°	2113	2005	1943
55°	2017	1900	1833
60°	1911	1792	1723
65°	1802	1684	1607
70°	1666	1570	1587
75°	1535	1445	1371
80°	1337	1282	1148
85°	1124	1056	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.8
10°-20°	258.0	10.7
20°-30°	378.6	15.7
30°-40°	436.0	18.1
40°-50°	428.0	17.8
50°-60°	364.9	15.1
60°-70°	264.0	10.9
70°-80°	148.4	6.2
80°-90°	41.5	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°	728.1	30.2
0°-40°	1164.2	48.3
0°-60°	1957.1	81.2
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°	971	971	971	971	971	
5°	966	967	964	967	967	92
15°	922	920	914	912	911	260
25°	836	830	821	815	812	385
35°	717	709	695	686	682	448
45°	576	569	552	542	538	445
55°	430	421	405	395	391	384
65°	283	275	264	254	252	281
75°	148	145	139	133	132	156
85°	36	38	34	34	34	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	970.9	970.9	970.9	970.9	970.9
2.5°	969.5	970.2	968.1	971.6	972.3
5°	965.9	966.6	963.8	966.6	967.3
7.5°	959.5	959.5	955.9	958.1	958.1
10°	950.2	948.8	944.5	945.2	945.2
12.5°	936.7	936.7	931.0	931.0	929.6
15°	921.7	920.3	913.9	912.5	911.0
17.5°	903.9	901.8	894.6	891.8	890.4
20°	883.2	879.7	871.8	868.3	866.8
22.5°	861.1	856.1	846.9	842.6	841.2
25°	836.2	829.8	821.2	814.8	811.9
27.5°	810.5	804.1	792.0	784.9	782.0
30°	779.9	773.5	762.0	753.5	749.2
32.5°	748.5	742.8	729.3	720.0	717.1
35°	717.1	708.6	695.0	685.8	681.5
37.5°	682.9	675.8	660.8	650.8	645.8
40°	648.7	641.6	625.2	614.5	610.2
42.5°	613.1	603.8	589.5	578.1	574.6
45°	576.0	568.9	552.5	541.8	538.2
47.5°	541.1	530.4	515.4	504.7	499.7
50°	504.7	494.7	479.0	467.6	464.1
52.5°	466.9	458.4	442.7	431.3	427.0
55°	429.9	420.6	404.9	394.9	390.6
57.5°	392.8	384.2	370.0	358.6	355.7
60°	355.0	347.2	332.9	323.6	320.1
62.5°	320.1	310.8	298.0	288.7	285.1
65°	283.0	275.2	264.5	254.5	252.4
67.5°	248.8	243.1	229.5	222.4	223.1
70°	211.7	211.7	199.6	192.5	201.7
72.5°	178.9	179.6	168.9	164.7	161.1
75°	147.6	144.7	139.0	133.3	131.9
77.5°	116.2	117.6	112.6	101.9	100.5
80°	86.3	94.1	82.7	75.6	74.1
82.5°	59.2	67.0	57.0	53.5	52.8
85°	36.4	37.8	34.2	34.2	34.2
87.5°	15.7	17.8	17.1	17.1	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)