

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-L927.ies

Issue Date: 2/27/2025

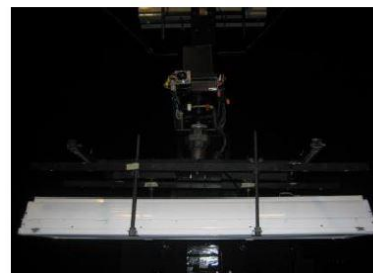
Test Information

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-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1696.7 lumens
Efficiency: N/A
Efficacy: 62.8 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

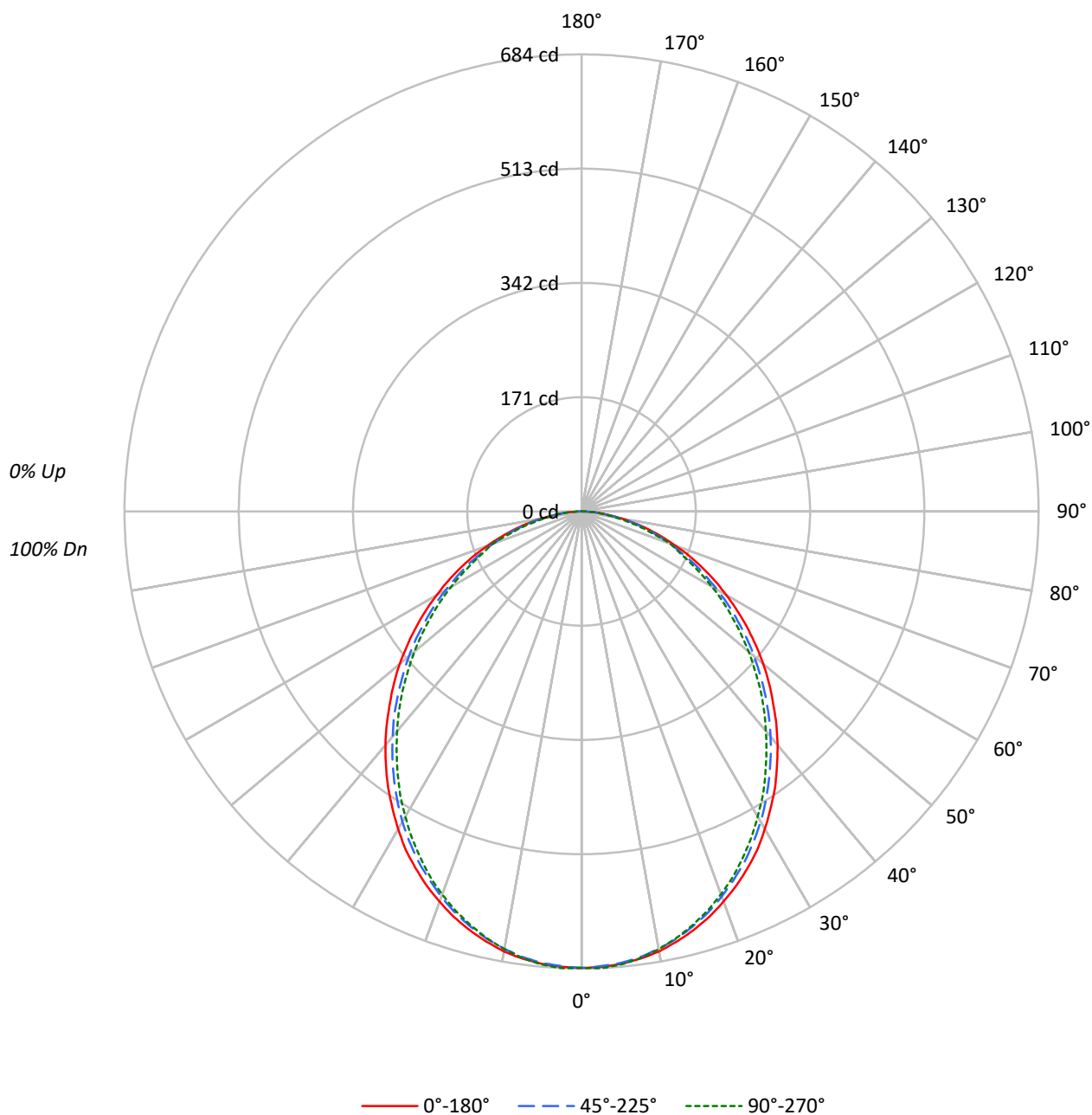
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1838	1838	1838
5°	1836	1832	1839
10°	1827	1816	1818
15°	1807	1792	1786
20°	1780	1757	1747
25°	1747	1716	1697
30°	1705	1666	1638
35°	1658	1607	1576
40°	1604	1545	1508
45°	1542	1480	1441
50°	1487	1411	1367
55°	1419	1337	1290
60°	1344	1261	1212
65°	1268	1185	1131
70°	1172	1105	1117
75°	1079	1017	965
80°	941	902	809
85°	790	744	744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	3.8
10°-20°	181.5	10.7
20°-30°	266.4	15.7
30°-40°	306.8	18.1
40°-50°	301.2	17.8
50°-60°	256.8	15.1
60°-70°	185.8	10.9
70°-80°	104.5	6.2
80°-90°	29.2	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°	512.4	30.2
0°-40°	819.2	48.3
0°-60°	1377.2	81.2
0°-90°	1696.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1696.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	683	683	683	683	683	
5°	680	680	678	680	681	65
15°	649	648	643	642	641	183
25°	588	584	578	573	571	271
35°	505	499	489	483	480	315
45°	405	400	389	381	379	313
55°	302	296	285	278	275	270
65°	199	194	186	179	178	198
75°	104	102	98	94	93	110
85°	26	27	24	24	24	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	683.2	683.2	683.2	683.2	683.2
2.5°	682.2	682.7	681.2	683.7	684.3
5°	679.7	680.2	678.2	680.2	680.7
7.5°	675.2	675.2	672.7	674.2	674.2
10°	668.7	667.7	664.7	665.2	665.2
12.5°	659.2	659.2	655.2	655.2	654.2
15°	648.6	647.6	643.1	642.1	641.1
17.5°	636.1	634.6	629.6	627.6	626.6
20°	621.5	619.0	613.5	611.0	610.0
22.5°	606.0	602.5	596.0	593.0	591.9
25°	588.4	583.9	577.9	573.4	571.4
27.5°	570.4	565.9	557.3	552.3	550.3
30°	548.8	544.3	536.3	530.2	527.2
32.5°	526.7	522.7	513.2	506.7	504.7
35°	504.7	498.6	489.1	482.6	479.6
37.5°	480.6	475.6	465.0	458.0	454.5
40°	456.5	451.5	439.9	432.4	429.4
42.5°	431.4	424.9	414.9	406.8	404.3
45°	405.3	400.3	388.8	381.3	378.7
47.5°	380.8	373.2	362.7	355.2	351.7
50°	355.2	348.1	337.1	329.1	326.6
52.5°	328.6	322.6	311.5	303.5	300.5
55°	302.5	296.0	284.9	277.9	274.9
57.5°	276.4	270.4	260.4	252.3	250.3
60°	249.8	244.3	234.3	227.7	225.2
62.5°	225.2	218.7	209.7	203.2	200.7
65°	199.2	193.6	186.1	179.1	177.6
67.5°	175.1	171.1	161.5	156.5	157.0
70°	149.0	149.0	140.5	135.4	142.0
72.5°	125.9	126.4	118.9	115.9	113.4
75°	103.8	101.8	97.8	93.8	92.8
77.5°	81.8	82.8	79.3	71.7	70.7
80°	60.7	66.2	58.2	53.2	52.2
82.5°	41.6	47.2	40.1	37.6	37.1
85°	25.6	26.6	24.1	24.1	24.1
87.5°	11.0	12.5	12.0	12.0	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)