

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-60-L930.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-60-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4382.4 lumens
Efficiency: N/A
Efficacy: 61.6 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

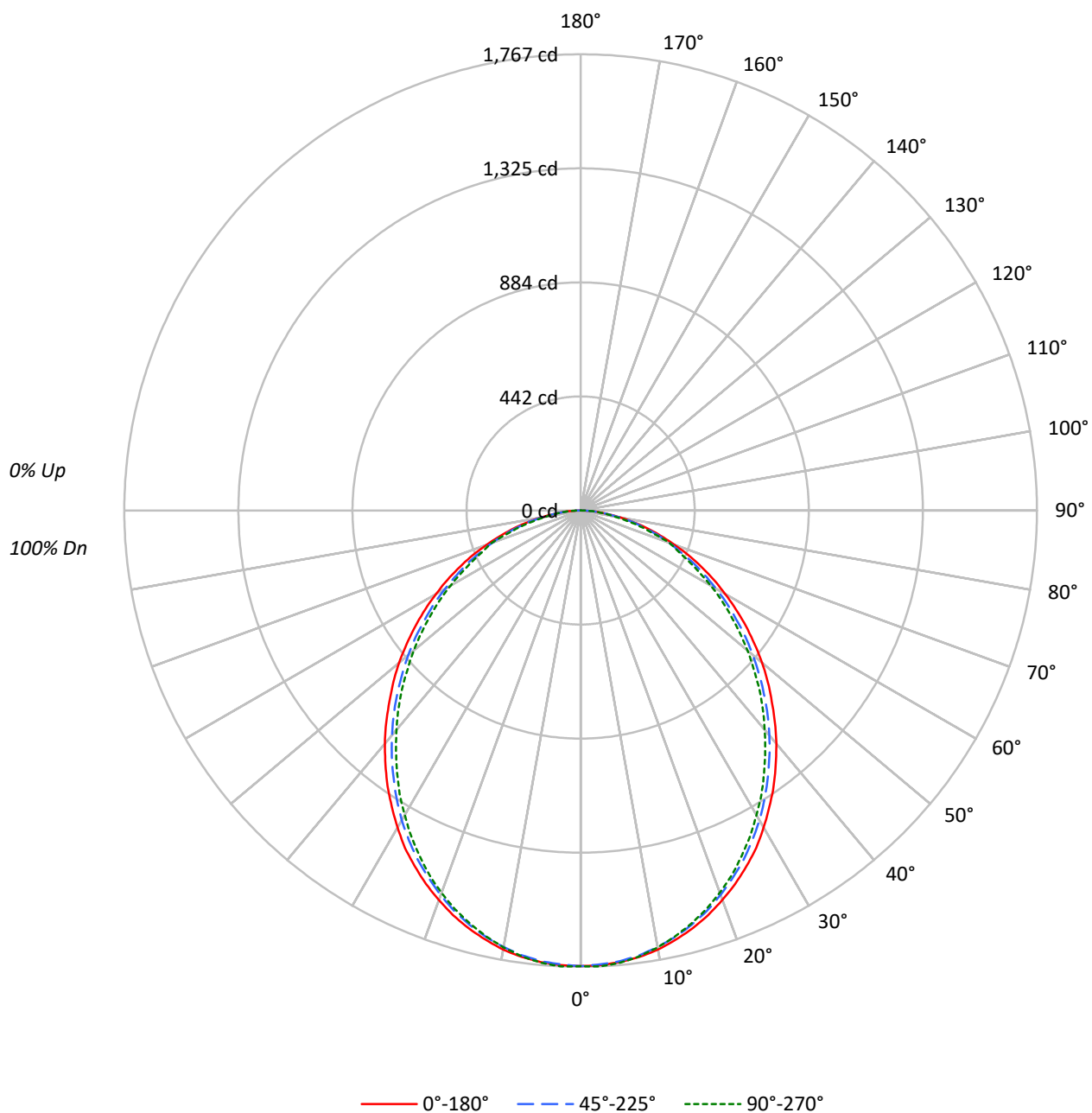
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	98	95	98	95	92	94	92	89	91	88	87	85		
2	100	92	85	79	97	90	84	78	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	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	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	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	4749	4749	4749
5°	4743	4732	4750
10°	4720	4691	4695
15°	4668	4628	4613
20°	4597	4538	4512
25°	4513	4432	4382
30°	4405	4304	4231
35°	4282	4150	4069
40°	4142	3992	3896
45°	3984	3822	3723
50°	3841	3645	3531
55°	3666	3453	3331
60°	3473	3257	3131
65°	3275	3061	2921
70°	3028	2854	2885
75°	2789	2627	2492
80°	2430	2329	2089
85°	2041	1920	1920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	3.8
10°-20°	468.9	10.7
20°-30°	688.1	15.7
30°-40°	792.5	18.1
40°-50°	778.0	17.8
50°-60°	663.3	15.1
60°-70°	479.8	10.9
70°-80°	269.8	6.2
80°-90°	75.4	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°	1323.5	30.2
0°-40°	2116.0	48.3
0°-60°	3557.3	81.2
0°-90°	4382.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4382.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1765	1765	1765	1765	1765	
5°	1756	1757	1752	1757	1758	167
15°	1675	1673	1661	1658	1656	472
25°	1520	1508	1493	1481	1476	700
35°	1304	1288	1263	1246	1239	814
45°	1047	1034	1004	985	978	809
55°	781	764	736	718	710	699
65°	514	500	481	463	459	510
75°	268	263	253	242	240	284
85°	66	69	62	62	62	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1764.8	1764.8	1764.8	1764.8	1764.8
2.5°	1762.2	1763.5	1759.6	1766.1	1767.4
5°	1755.7	1757.0	1751.8	1757.0	1758.3
7.5°	1744.1	1744.1	1737.6	1741.5	1741.5
10°	1727.2	1724.6	1716.8	1718.1	1718.1
12.5°	1702.6	1702.6	1692.2	1692.2	1689.6
15°	1675.4	1672.8	1661.1	1658.5	1655.9
17.5°	1643.0	1639.1	1626.1	1621.0	1618.4
20°	1605.4	1598.9	1584.7	1578.2	1575.6
22.5°	1565.2	1556.2	1539.3	1531.6	1529.0
25°	1519.9	1508.2	1492.7	1481.0	1475.8
27.5°	1473.2	1461.6	1439.6	1426.6	1421.4
30°	1417.5	1405.9	1385.1	1369.6	1361.8
32.5°	1360.5	1350.2	1325.5	1308.7	1303.5
35°	1303.5	1288.0	1263.3	1246.5	1238.7
37.5°	1241.3	1228.4	1201.1	1183.0	1173.9
40°	1179.1	1166.2	1136.4	1116.9	1109.1
42.5°	1114.3	1097.5	1071.6	1050.8	1044.4
45°	1046.9	1034.0	1004.2	984.8	978.3
47.5°	983.5	964.0	936.8	917.4	908.3
50°	917.4	899.2	870.7	850.0	843.5
52.5°	848.7	833.2	804.6	783.9	776.1
55°	781.3	764.5	736.0	717.8	710.1
57.5°	713.9	698.4	672.5	651.8	646.6
60°	645.3	631.0	605.1	588.3	581.8
62.5°	581.8	564.9	541.6	524.8	518.3
65°	514.4	500.2	480.7	462.6	458.7
67.5°	452.2	441.8	417.2	404.3	405.6
70°	384.8	384.8	362.8	349.8	366.7
72.5°	325.2	326.5	307.1	299.3	292.8
75°	268.2	263.0	252.7	242.3	239.7
77.5°	211.2	213.8	204.7	185.3	182.7
80°	156.8	171.0	150.3	137.3	134.8
82.5°	107.5	121.8	103.7	97.2	95.9
85°	66.1	68.7	62.2	62.2	62.2
87.5°	28.5	32.4	31.1	31.1	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)