

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-L940.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-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4504.4 lumens
Efficiency: N/A
Efficacy: 63.3 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

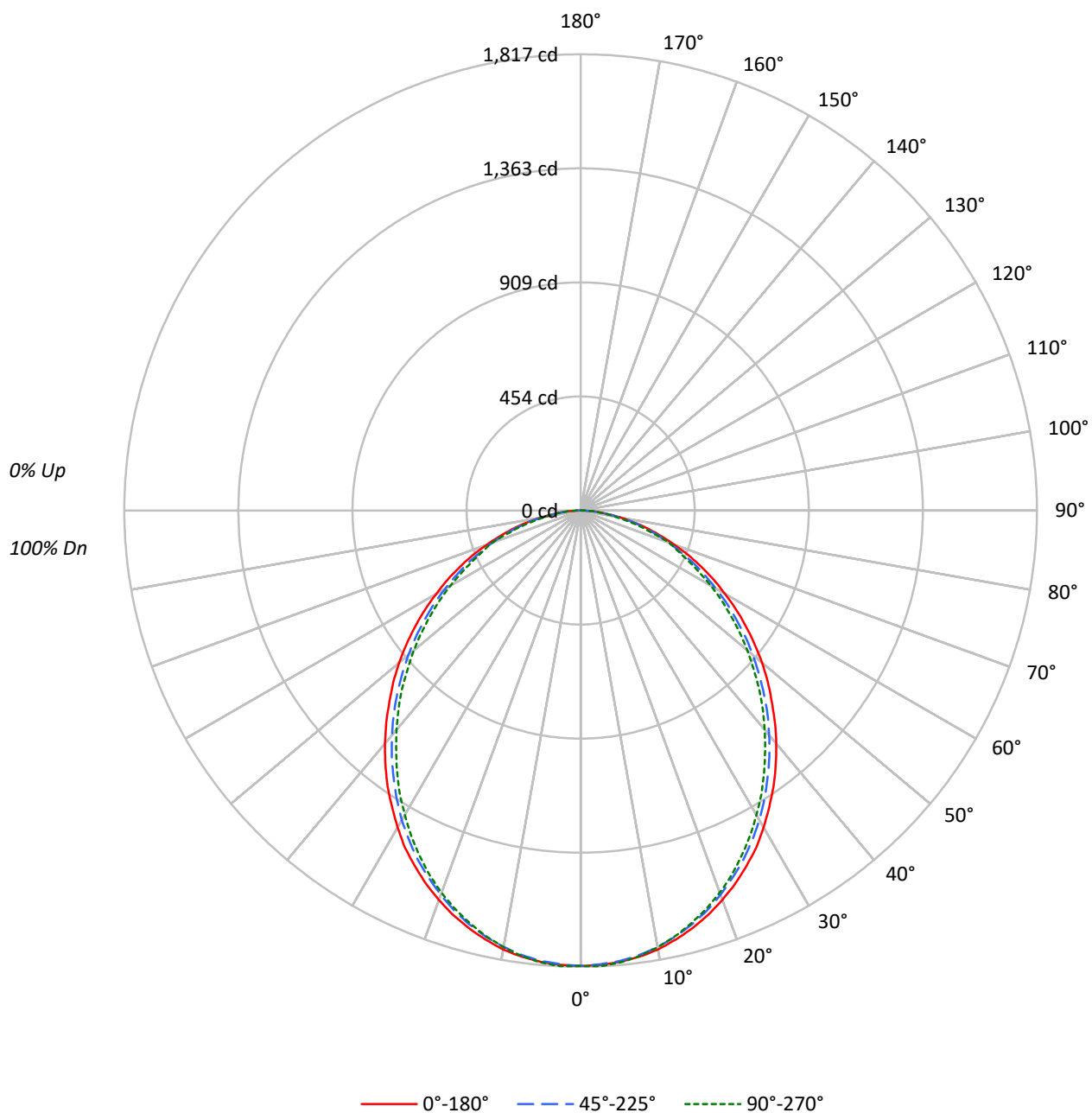
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	87	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	63	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4881	4881	4881
5°	4875	4864	4882
10°	4851	4822	4826
15°	4797	4757	4742
20°	4725	4664	4638
25°	4638	4555	4504
30°	4527	4424	4349
35°	4401	4266	4183
40°	4257	4103	4005
45°	4095	3928	3827
50°	3947	3747	3630
55°	3768	3549	3424
60°	3569	3348	3218
65°	3366	3146	3002
70°	3112	2934	2965
75°	2866	2700	2562
80°	2497	2394	2146
85°	2096	1973	1973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	3.8
10°-20°	482.0	10.7
20°-30°	707.3	15.7
30°-40°	814.6	18.1
40°-50°	799.6	17.8
50°-60°	681.8	15.1
60°-70°	493.2	10.9
70°-80°	277.3	6.2
80°-90°	77.5	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°	1360.4	30.2
0°-40°	2174.9	48.3
0°-60°	3656.4	81.2
0°-90°	4504.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4504.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1814	1814	1814	1814	1814	
5°	1805	1806	1801	1806	1807	171
15°	1722	1719	1707	1705	1702	485
25°	1562	1550	1534	1522	1517	719
35°	1340	1324	1298	1281	1273	837
45°	1076	1063	1032	1012	1006	832
55°	803	786	756	738	730	718
65°	529	514	494	476	472	525
75°	276	270	260	249	246	291
85°	68	71	64	64	64	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1813.9	1813.9	1813.9	1813.9	1813.9
2.5°	1811.3	1812.6	1808.6	1815.3	1816.6
5°	1804.6	1805.9	1800.6	1805.9	1807.3
7.5°	1792.6	1792.6	1786.0	1790.0	1790.0
10°	1775.3	1772.6	1764.7	1766.0	1766.0
12.5°	1750.0	1750.0	1739.3	1739.3	1736.7
15°	1722.0	1719.4	1707.4	1704.7	1702.1
17.5°	1688.7	1684.7	1671.4	1666.1	1663.4
20°	1650.1	1643.5	1628.8	1622.1	1619.5
22.5°	1608.8	1599.5	1582.2	1574.2	1571.5
25°	1562.2	1550.2	1534.2	1522.3	1516.9
27.5°	1514.3	1502.3	1479.6	1466.3	1461.0
30°	1457.0	1445.0	1423.7	1407.7	1399.7
32.5°	1398.4	1387.7	1362.4	1345.1	1339.8
35°	1339.8	1323.8	1298.5	1281.2	1273.2
37.5°	1275.9	1262.6	1234.6	1215.9	1206.6
40°	1211.9	1198.6	1168.0	1148.0	1140.0
42.5°	1145.4	1128.0	1101.4	1080.1	1073.4
45°	1076.1	1062.8	1032.2	1012.2	1005.5
47.5°	1010.8	990.9	962.9	942.9	933.6
50°	942.9	924.3	895.0	873.7	867.0
52.5°	872.3	856.4	827.1	805.7	797.8
55°	803.1	785.8	756.5	737.8	729.8
57.5°	733.8	717.8	691.2	669.9	664.6
60°	663.2	648.6	622.0	604.6	598.0
62.5°	598.0	580.7	556.7	539.4	532.7
65°	528.7	514.1	494.1	475.5	471.5
67.5°	464.8	454.1	428.8	415.5	416.9
70°	395.5	395.5	372.9	359.6	376.9
72.5°	334.3	335.6	315.6	307.6	301.0
75°	275.7	270.4	259.7	249.0	246.4
77.5°	217.1	219.7	210.4	190.4	187.8
80°	161.1	175.8	154.5	141.2	138.5
82.5°	110.5	125.2	106.5	99.9	98.6
85°	67.9	70.6	63.9	63.9	63.9
87.5°	29.3	33.3	32.0	32.0	33.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)