

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-40-L840.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-40-L840.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3839.4 lumens
Efficiency: N/A
Efficacy: 79.0 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

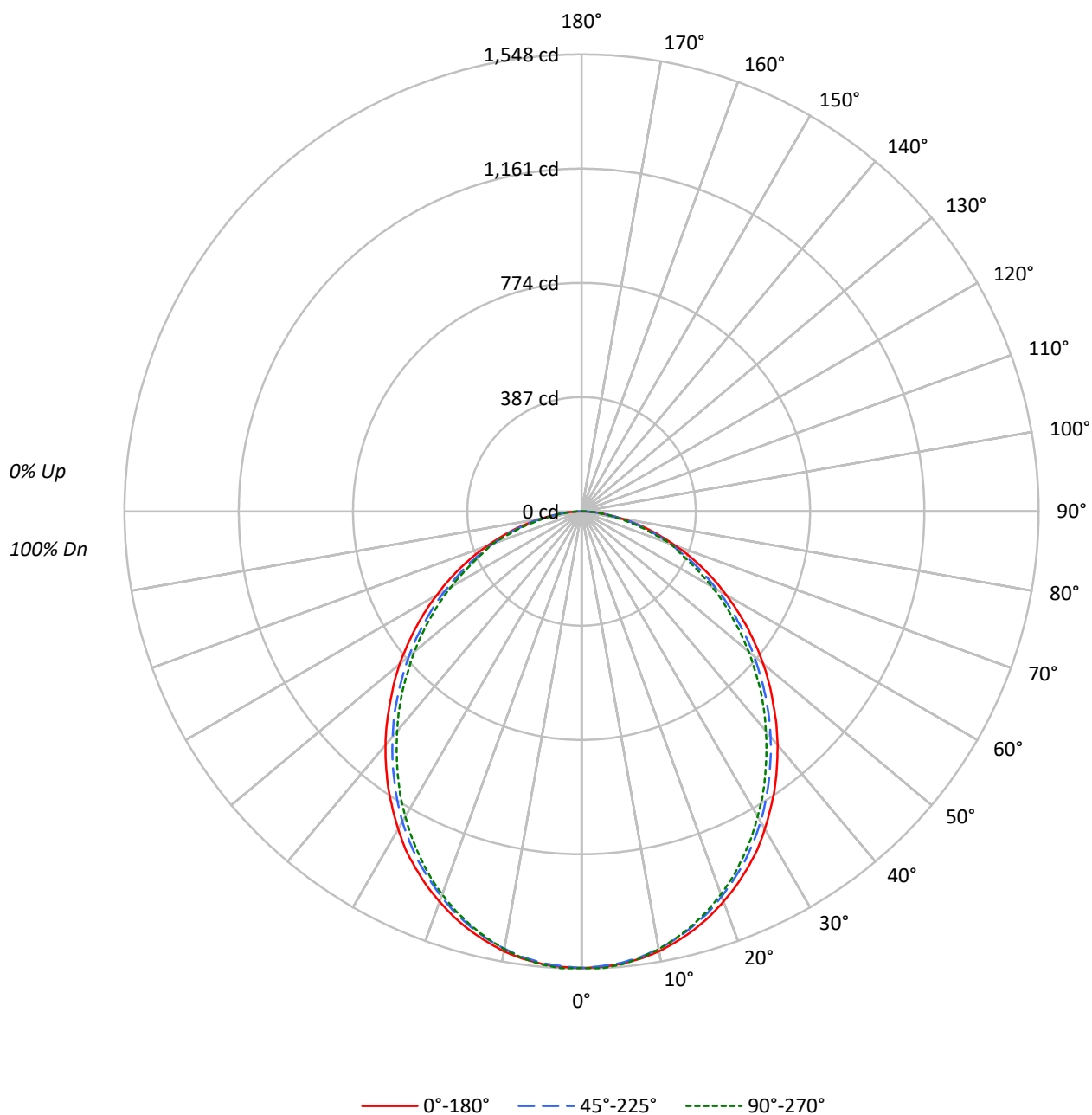
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L840.ies

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°	4161	4161	4161
5°	4155	4146	4161
10°	4135	4110	4113
15°	4089	4054	4042
20°	4028	3976	3953
25°	3954	3883	3839
30°	3859	3771	3707
35°	3752	3636	3565
40°	3629	3497	3413
45°	3491	3348	3262
50°	3365	3193	3094
55°	3211	3025	2919
60°	3042	2853	2743
65°	2870	2682	2559
70°	2653	2501	2528
75°	2443	2302	2183
80°	2129	2041	1830
85°	1788	1683	1683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.8	3.8
10°-20°	410.8	10.7
20°-30°	602.9	15.7
30°-40°	694.3	18.1
40°-50°	681.6	17.8
50°-60°	581.1	15.1
60°-70°	420.4	10.9
70°-80°	236.4	6.2
80°-90°	66.1	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°	1159.5	30.2
0°-40°	1853.9	48.3
0°-60°	3116.6	81.2
0°-90°	3839.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3839.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1538	1539	1535	1539	1540	146
15°	1468	1466	1455	1453	1451	414
25°	1332	1321	1308	1298	1293	613
35°	1142	1128	1107	1092	1085	713
45°	917	906	880	863	857	709
55°	684	670	645	629	622	612
65°	451	438	421	405	402	447
75°	235	230	221	212	210	248
85°	58	60	54	54	54	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1546.1	1546.1	1546.1	1546.1	1546.1
2.5°	1543.9	1545.0	1541.6	1547.3	1548.4
5°	1538.2	1539.3	1534.8	1539.3	1540.5
7.5°	1528.0	1528.0	1522.3	1525.7	1525.7
10°	1513.2	1510.9	1504.1	1505.3	1505.3
12.5°	1491.6	1491.6	1482.6	1482.6	1480.3
15°	1467.8	1465.5	1455.3	1453.0	1450.8
17.5°	1439.4	1436.0	1424.7	1420.1	1417.9
20°	1406.5	1400.8	1388.3	1382.7	1380.4
22.5°	1371.3	1363.4	1348.6	1341.8	1339.5
25°	1331.6	1321.4	1307.7	1297.5	1293.0
27.5°	1290.7	1280.5	1261.2	1249.8	1245.3
30°	1241.9	1231.7	1213.5	1199.9	1193.1
32.5°	1191.9	1182.9	1161.3	1146.5	1142.0
35°	1142.0	1128.4	1106.8	1092.1	1085.2
37.5°	1087.5	1076.2	1052.3	1036.4	1028.5
40°	1033.0	1021.7	995.6	978.5	971.7
42.5°	976.3	961.5	938.8	920.6	915.0
45°	917.2	905.9	879.8	862.7	857.1
47.5°	861.6	844.6	820.7	803.7	795.8
50°	803.7	787.8	762.8	744.7	739.0
52.5°	743.5	729.9	705.0	686.8	680.0
55°	684.5	669.8	644.8	628.9	622.1
57.5°	625.5	611.9	589.2	571.0	566.5
60°	565.3	552.8	530.1	515.4	509.7
62.5°	509.7	494.9	474.5	459.8	454.1
65°	450.7	438.2	421.2	405.3	401.9
67.5°	396.2	387.1	365.5	354.2	355.3
70°	337.2	337.2	317.9	306.5	321.3
72.5°	284.9	286.1	269.0	262.2	256.6
75°	235.0	230.4	221.4	212.3	210.0
77.5°	185.0	187.3	179.4	162.3	160.1
80°	137.4	149.8	131.7	120.3	118.1
82.5°	94.2	106.7	90.8	85.1	84.0
85°	57.9	60.2	54.5	54.5	54.5
87.5°	25.0	28.4	27.2	27.2	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)