

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-L950.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-L950.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3282.2 lumens
Efficiency: N/A
Efficacy: 67.5 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

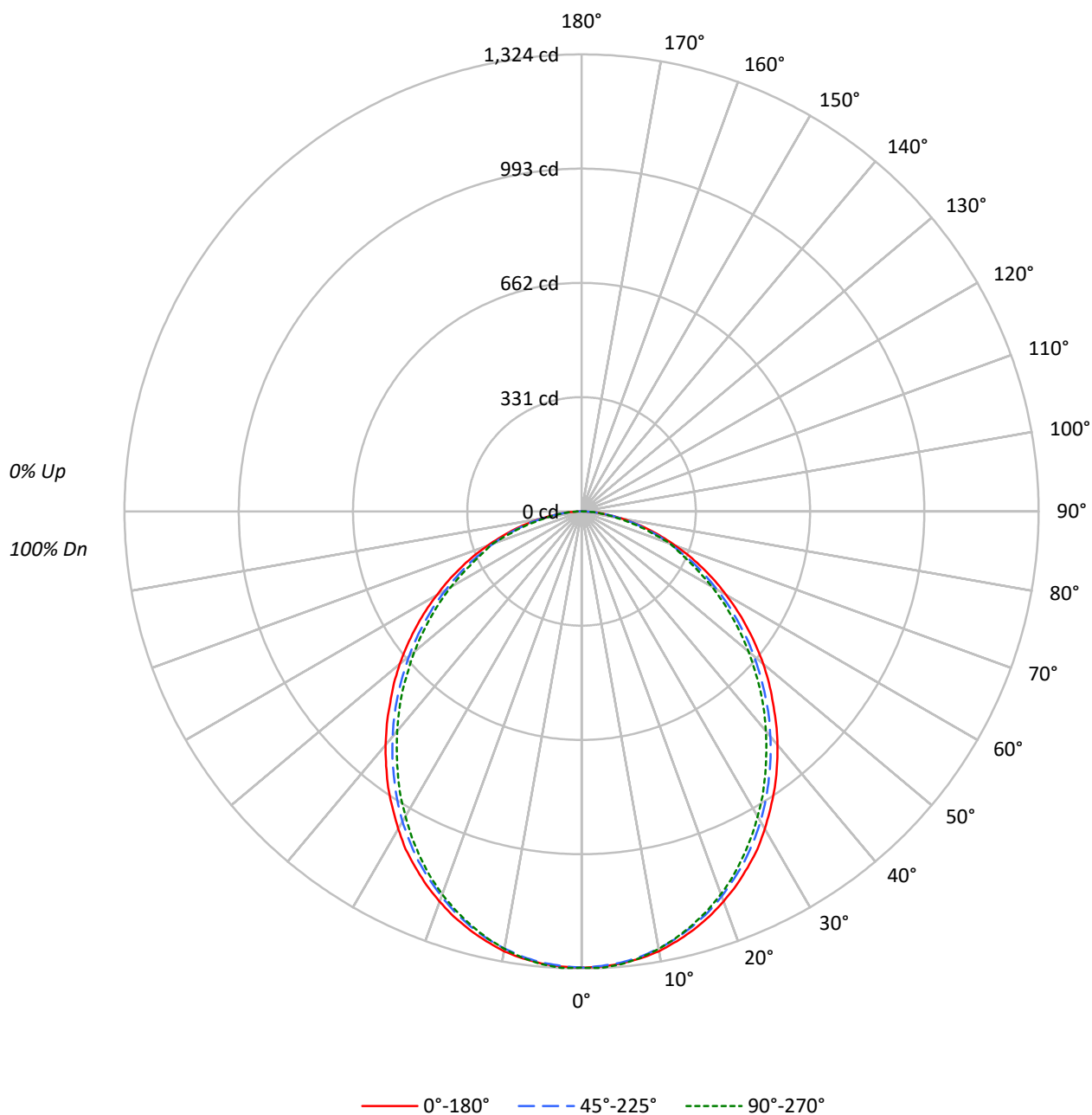
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L950.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					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°	3557	3557	3557
5°	3552	3544	3557
10°	3535	3513	3516
15°	3496	3466	3455
20°	3443	3399	3379
25°	3380	3319	3282
30°	3299	3223	3169
35°	3207	3108	3048
40°	3102	2990	2918
45°	2984	2862	2788
50°	2876	2730	2645
55°	2746	2586	2495
60°	2601	2439	2345
65°	2453	2292	2187
70°	2268	2138	2161
75°	2089	1967	1866
80°	1819	1745	1564
85°	1528	1439	1439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2984 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L950.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.7	3.8
10°-20°	351.2	10.7
20°-30°	515.4	15.7
30°-40°	593.6	18.1
40°-50°	582.7	17.8
50°-60°	496.8	15.1
60°-70°	359.4	10.9
70°-80°	202.1	6.2
80°-90°	56.5	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°	991.2	30.2
0°-40°	1584.8	48.3
0°-60°	2664.3	81.2
0°-90°	3282.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3282.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1315	1316	1312	1316	1317	125
15°	1255	1253	1244	1242	1240	354
25°	1138	1130	1118	1109	1105	524
35°	976	965	946	934	928	610
45°	784	774	752	738	733	606
55°	585	573	551	538	532	523
65°	385	375	360	346	344	382
75°	201	197	189	182	180	212
85°	50	51	47	47	47	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1321.7	1321.7	1321.7	1321.7	1321.7
2.5°	1319.8	1320.8	1317.9	1322.7	1323.7
5°	1314.9	1315.9	1312.0	1315.9	1316.9
7.5°	1306.2	1306.2	1301.4	1304.3	1304.3
10°	1293.6	1291.7	1285.8	1286.8	1286.8
12.5°	1275.2	1275.2	1267.4	1267.4	1265.5
15°	1254.8	1252.8	1244.1	1242.2	1240.2
17.5°	1230.5	1227.6	1217.9	1214.0	1212.1
20°	1202.4	1197.5	1186.8	1182.0	1180.1
22.5°	1172.3	1165.5	1152.9	1147.1	1145.1
25°	1138.3	1129.6	1117.9	1109.2	1105.3
27.5°	1103.4	1094.7	1078.2	1068.5	1064.6
30°	1061.7	1052.9	1037.4	1025.8	1019.9
32.5°	1019.0	1011.2	992.8	980.1	976.3
35°	976.3	964.6	946.2	933.6	927.7
37.5°	929.7	920.0	899.6	886.0	879.2
40°	883.1	873.4	851.1	836.5	830.7
42.5°	834.6	822.0	802.6	787.0	782.2
45°	784.1	774.4	752.1	737.5	732.7
47.5°	736.6	722.0	701.6	687.1	680.3
50°	687.1	673.5	652.1	636.6	631.8
52.5°	635.6	624.0	602.6	587.1	581.3
55°	585.2	572.6	551.2	537.6	531.8
57.5°	534.7	523.1	503.7	488.1	484.2
60°	483.3	472.6	453.2	440.6	435.7
62.5°	435.7	423.1	405.6	393.0	388.2
65°	385.3	374.6	360.0	346.4	343.5
67.5°	338.7	330.9	312.5	302.8	303.7
70°	288.2	288.2	271.7	262.0	274.6
72.5°	243.6	244.6	230.0	224.2	219.3
75°	200.9	197.0	189.2	181.5	179.5
77.5°	158.2	160.1	153.3	138.8	136.8
80°	117.4	128.1	112.6	102.9	100.9
82.5°	80.5	91.2	77.6	72.8	71.8
85°	49.5	51.4	46.6	46.6	46.6
87.5°	21.3	24.3	23.3	23.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)