

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-L830.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-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3639.6 lumens
Efficiency: N/A
Efficacy: 74.9 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

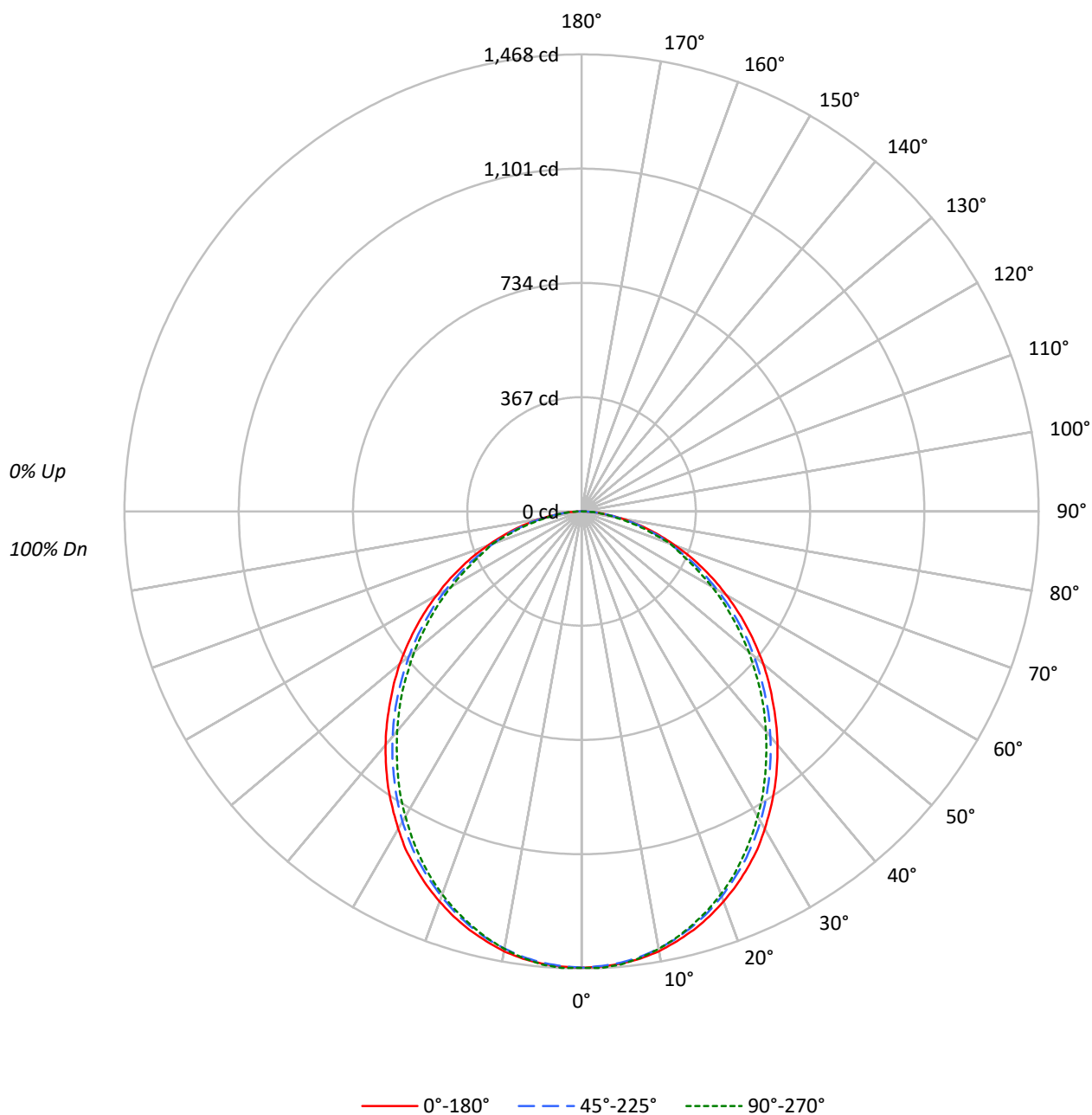
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	3944	3944	3944
5°	3939	3930	3945
10°	3920	3896	3899
15°	3876	3843	3831
20°	3818	3769	3747
25°	3748	3681	3639
30°	3658	3575	3514
35°	3556	3447	3380
40°	3440	3315	3236
45°	3309	3174	3092
50°	3190	3027	2933
55°	3044	2867	2767
60°	2884	2704	2601
65°	2720	2542	2425
70°	2515	2371	2396
75°	2316	2181	2070
80°	2018	1934	1734
85°	1695	1596	1596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3309 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.8
10°-20°	389.4	10.7
20°-30°	571.5	15.7
30°-40°	658.2	18.1
40°-50°	646.1	17.8
50°-60°	550.9	15.1
60°-70°	398.5	10.9
70°-80°	224.1	6.2
80°-90°	62.6	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°	1099.2	30.2
0°-40°	1757.4	48.3
0°-60°	2954.4	81.2
0°-90°	3639.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3639.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1458	1459	1455	1459	1460	138
15°	1391	1389	1380	1377	1375	392
25°	1262	1253	1240	1230	1226	581
35°	1083	1070	1049	1035	1029	676
45°	870	859	834	818	812	672
55°	649	635	611	596	590	580
65°	427	415	399	384	381	424
75°	223	218	210	201	199	235
85°	55	57	52	52	52	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1465.7	1465.7	1465.7	1465.7	1465.7
2.5°	1463.5	1464.6	1461.4	1466.7	1467.8
5°	1458.1	1459.2	1454.9	1459.2	1460.3
7.5°	1448.5	1448.5	1443.1	1446.3	1446.3
10°	1434.5	1432.3	1425.9	1426.9	1426.9
12.5°	1414.0	1414.0	1405.4	1405.4	1403.3
15°	1391.4	1389.3	1379.6	1377.4	1375.3
17.5°	1364.5	1361.3	1350.5	1346.2	1344.1
20°	1333.3	1327.9	1316.1	1310.7	1308.6
22.5°	1299.9	1292.4	1278.4	1272.0	1269.8
25°	1262.3	1252.6	1239.7	1230.0	1225.7
27.5°	1223.5	1213.9	1195.6	1184.8	1180.5
30°	1177.3	1167.6	1150.4	1137.5	1131.0
32.5°	1129.9	1121.3	1100.9	1086.9	1082.6
35°	1082.6	1069.7	1049.2	1035.2	1028.8
37.5°	1030.9	1020.2	997.6	982.5	975.0
40°	979.3	968.5	943.8	927.6	921.2
42.5°	925.5	911.5	889.9	872.7	867.3
45°	869.5	858.7	834.0	817.8	812.5
47.5°	816.8	800.6	778.0	761.9	754.4
50°	761.9	746.8	723.1	705.9	700.6
52.5°	704.9	691.9	668.3	651.1	644.6
55°	648.9	634.9	611.2	596.2	589.7
57.5°	592.9	580.0	558.5	541.3	537.0
60°	535.9	524.1	502.5	488.6	483.2
62.5°	483.2	469.2	449.8	435.8	430.4
65°	427.2	415.4	399.2	384.2	380.9
67.5°	375.6	367.0	346.5	335.7	336.8
70°	319.6	319.6	301.3	290.6	304.5
72.5°	270.1	271.2	255.0	248.6	243.2
75°	222.8	218.5	209.8	201.2	199.1
77.5°	175.4	177.6	170.0	153.9	151.7
80°	130.2	142.0	124.8	114.1	111.9
82.5°	89.3	101.2	86.1	80.7	79.6
85°	54.9	57.0	51.7	51.7	51.7
87.5°	23.7	26.9	25.8	25.8	26.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)