

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-L850.ies

Issue Date: 2/27/2025

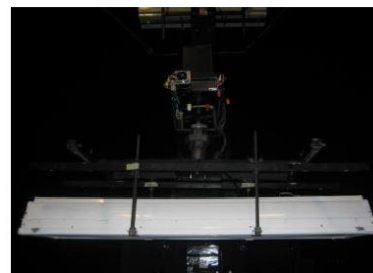
Test Information

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-L850.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 5000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3922.8 lumens
Efficiency: N/A
Efficacy: 80.7 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

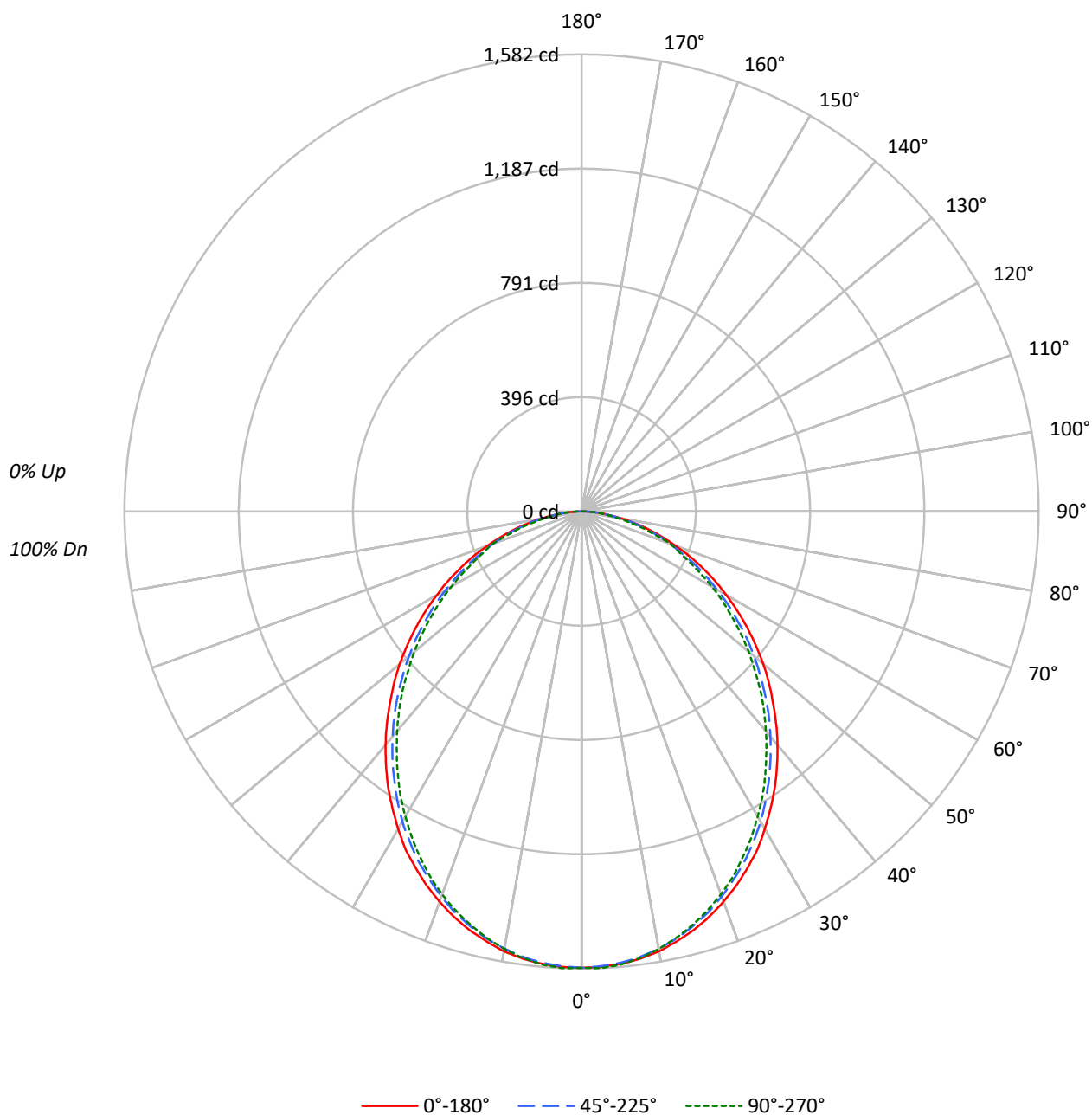
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					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		
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°	4251	4251	4251
5°	4245	4236	4252
10°	4225	4199	4202
15°	4178	4142	4130
20°	4115	4062	4039
25°	4040	3967	3922
30°	3943	3853	3788
35°	3833	3715	3642
40°	3707	3573	3488
45°	3566	3421	3333
50°	3438	3263	3161
55°	3281	3091	2982
60°	3109	2915	2803
65°	2932	2740	2614
70°	2710	2555	2582
75°	2496	2352	2231
80°	2174	2084	1869
85°	1828	1720	1720

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3566 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	3.8
10°-20°	419.7	10.7
20°-30°	616.0	15.7
30°-40°	709.4	18.1
40°-50°	696.4	17.8
50°-60°	593.7	15.1
60°-70°	429.5	10.9
70°-80°	241.5	6.2
80°-90°	67.5	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°	1184.7	30.2
0°-40°	1894.1	48.3
0°-60°	3184.2	81.2
0°-90°	3922.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3922.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1580	1580	1580	1580	1580	
5°	1572	1573	1568	1573	1574	149
15°	1500	1497	1487	1485	1482	423
25°	1360	1350	1336	1326	1321	626
35°	1167	1153	1131	1116	1109	729
45°	937	926	899	882	876	724
55°	699	684	659	642	636	625
65°	460	448	430	414	411	457
75°	240	235	226	217	215	254
85°	59	62	56	56	56	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1579.7	1579.7	1579.7	1579.7	1579.7
2.5°	1577.4	1578.5	1575.0	1580.8	1582.0
5°	1571.6	1572.7	1568.1	1572.7	1573.9
7.5°	1561.1	1561.1	1555.3	1558.8	1558.8
10°	1546.1	1543.7	1536.8	1537.9	1537.9
12.5°	1524.0	1524.0	1514.7	1514.7	1512.4
15°	1499.7	1497.3	1486.9	1484.6	1482.3
17.5°	1470.7	1467.2	1455.6	1450.9	1448.6
20°	1437.0	1431.2	1418.5	1412.7	1410.4
22.5°	1401.1	1393.0	1377.9	1370.9	1368.6
25°	1360.5	1350.0	1336.1	1325.7	1321.0
27.5°	1318.7	1308.3	1288.6	1277.0	1272.3
30°	1268.9	1258.4	1239.9	1225.9	1219.0
32.5°	1217.8	1208.5	1186.5	1171.4	1166.8
35°	1166.8	1152.9	1130.8	1115.8	1108.8
37.5°	1111.1	1099.5	1075.2	1058.9	1050.8
40°	1055.4	1043.8	1017.2	999.8	992.8
42.5°	997.5	982.4	959.2	940.6	934.8
45°	937.1	925.5	898.9	881.5	875.7
47.5°	880.3	862.9	838.6	821.2	813.0
50°	821.2	804.9	779.4	760.8	755.0
52.5°	759.7	745.8	720.3	701.7	694.7
55°	699.4	684.3	658.8	642.5	635.6
57.5°	639.1	625.1	602.0	583.4	578.8
60°	577.6	564.8	541.6	526.6	520.8
62.5°	520.8	505.7	484.8	469.7	463.9
65°	460.5	447.7	430.3	414.1	410.6
67.5°	404.8	395.5	373.5	361.9	363.0
70°	344.5	344.5	324.8	313.2	328.2
72.5°	291.1	292.3	274.9	267.9	262.1
75°	240.1	235.4	226.2	216.9	214.6
77.5°	189.1	191.4	183.3	165.9	163.5
80°	140.3	153.1	134.5	122.9	120.6
82.5°	96.3	109.0	92.8	87.0	85.8
85°	59.2	61.5	55.7	55.7	55.7
87.5°	25.5	29.0	27.8	27.8	29.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)