

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-20-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-20-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1632.6 lumens
Efficiency: N/A
Efficacy: 71.9 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

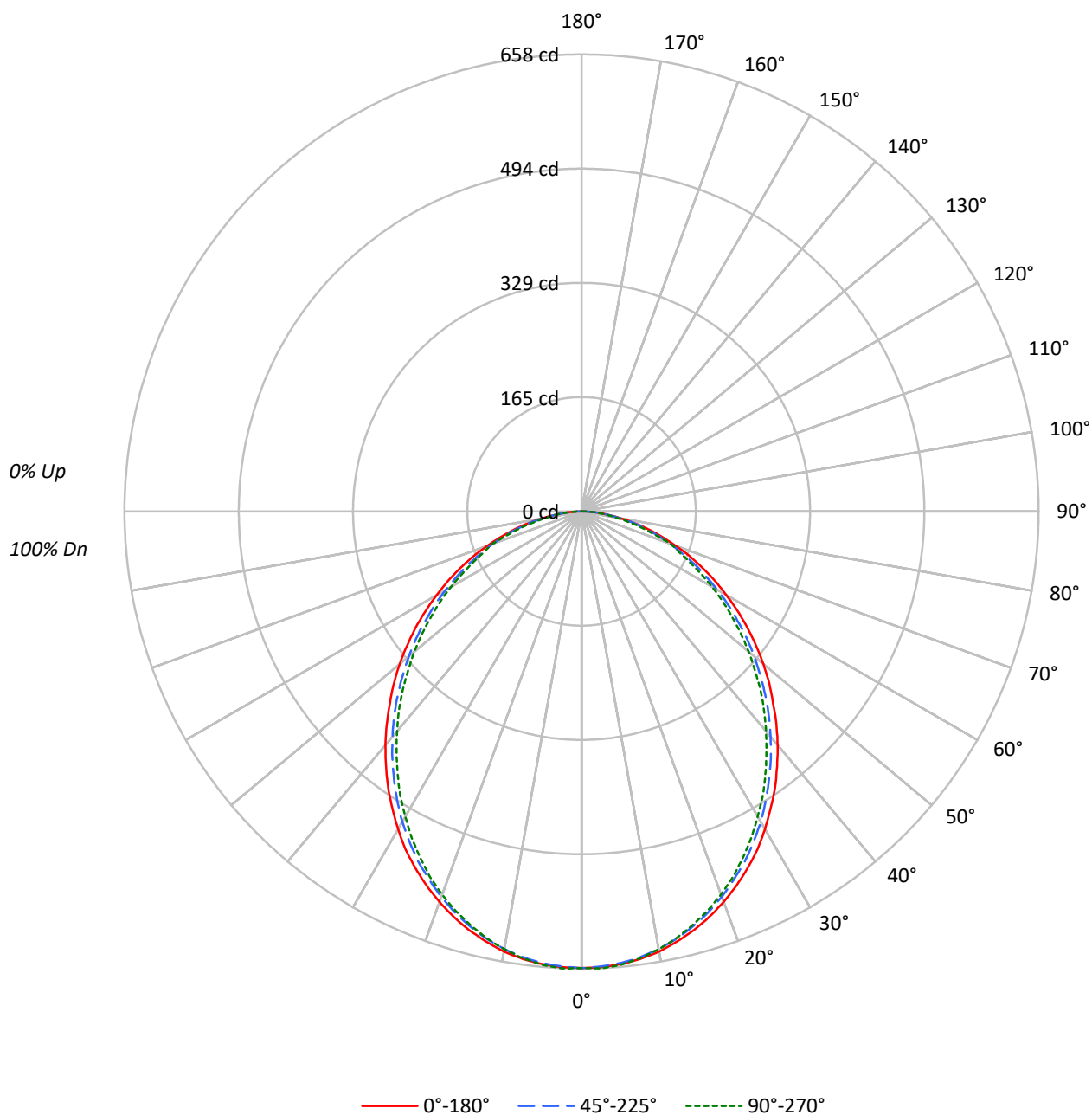
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1769	1769	1769
5°	1767	1763	1769
10°	1758	1748	1749
15°	1739	1724	1719
20°	1713	1691	1681
25°	1681	1651	1632
30°	1641	1603	1576
35°	1595	1546	1516
40°	1543	1487	1451
45°	1484	1424	1387
50°	1431	1358	1315
55°	1366	1286	1241
60°	1294	1213	1166
65°	1220	1140	1088
70°	1128	1064	1075
75°	1039	978	928
80°	905	868	778
85°	760	716	716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.8
10°-20°	174.7	10.7
20°-30°	256.4	15.7
30°-40°	295.2	18.1
40°-50°	289.8	17.8
50°-60°	247.1	15.1
60°-70°	178.8	10.9
70°-80°	100.5	6.2
80°-90°	28.1	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°	493.1	30.2
0°-40°	788.3	48.3
0°-60°	1325.2	81.2
0°-90°	1632.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1632.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	657	657	657	657	657	
5°	654	655	653	655	655	62
15°	624	623	619	618	617	176
25°	566	562	556	552	550	261
35°	486	480	471	464	462	303
45°	390	385	374	367	364	301
55°	291	285	274	267	264	260
65°	192	186	179	172	171	190
75°	100	98	94	90	89	106
85°	25	26	23	23	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	657.4	657.4	657.4	657.4	657.4
2.5°	656.5	657.0	655.5	657.9	658.4
5°	654.1	654.6	652.6	654.6	655.0
7.5°	649.7	649.7	647.3	648.8	648.8
10°	643.5	642.5	639.6	640.1	640.1
12.5°	634.3	634.3	630.4	630.4	629.5
15°	624.1	623.2	618.8	617.9	616.9
17.5°	612.1	610.6	605.8	603.9	602.9
20°	598.1	595.7	590.4	587.9	587.0
22.5°	583.1	579.7	573.5	570.6	569.6
25°	566.2	561.9	556.1	551.7	549.8
27.5°	548.8	544.5	536.3	531.5	529.5
30°	528.1	523.7	516.0	510.2	507.3
32.5°	506.8	503.0	493.8	487.5	485.6
35°	485.6	479.8	470.6	464.4	461.5
37.5°	462.4	457.6	447.5	440.7	437.3
40°	439.3	434.4	423.3	416.1	413.2
42.5°	415.1	408.9	399.2	391.5	389.1
45°	390.0	385.2	374.1	366.9	364.4
47.5°	366.4	359.1	349.0	341.8	338.4
50°	341.8	335.0	324.4	316.7	314.2
52.5°	316.2	310.4	299.8	292.0	289.1
55°	291.1	284.8	274.2	267.4	264.5
57.5°	266.0	260.2	250.5	242.8	240.9
60°	240.4	235.1	225.4	219.1	216.7
62.5°	216.7	210.5	201.8	195.5	193.1
65°	191.6	186.3	179.1	172.3	170.9
67.5°	168.5	164.6	155.4	150.6	151.1
70°	143.4	143.4	135.2	130.3	136.6
72.5°	121.2	121.6	114.4	111.5	109.1
75°	99.9	98.0	94.1	90.3	89.3
77.5°	78.7	79.6	76.3	69.0	68.1
80°	58.4	63.7	56.0	51.2	50.2
82.5°	40.1	45.4	38.6	36.2	35.7
85°	24.6	25.6	23.2	23.2	23.2
87.5°	10.6	12.1	11.6	11.6	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)