

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-L927.ies

Issue Date: 2/27/2025

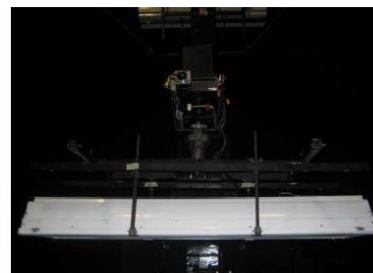
Test Information

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-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

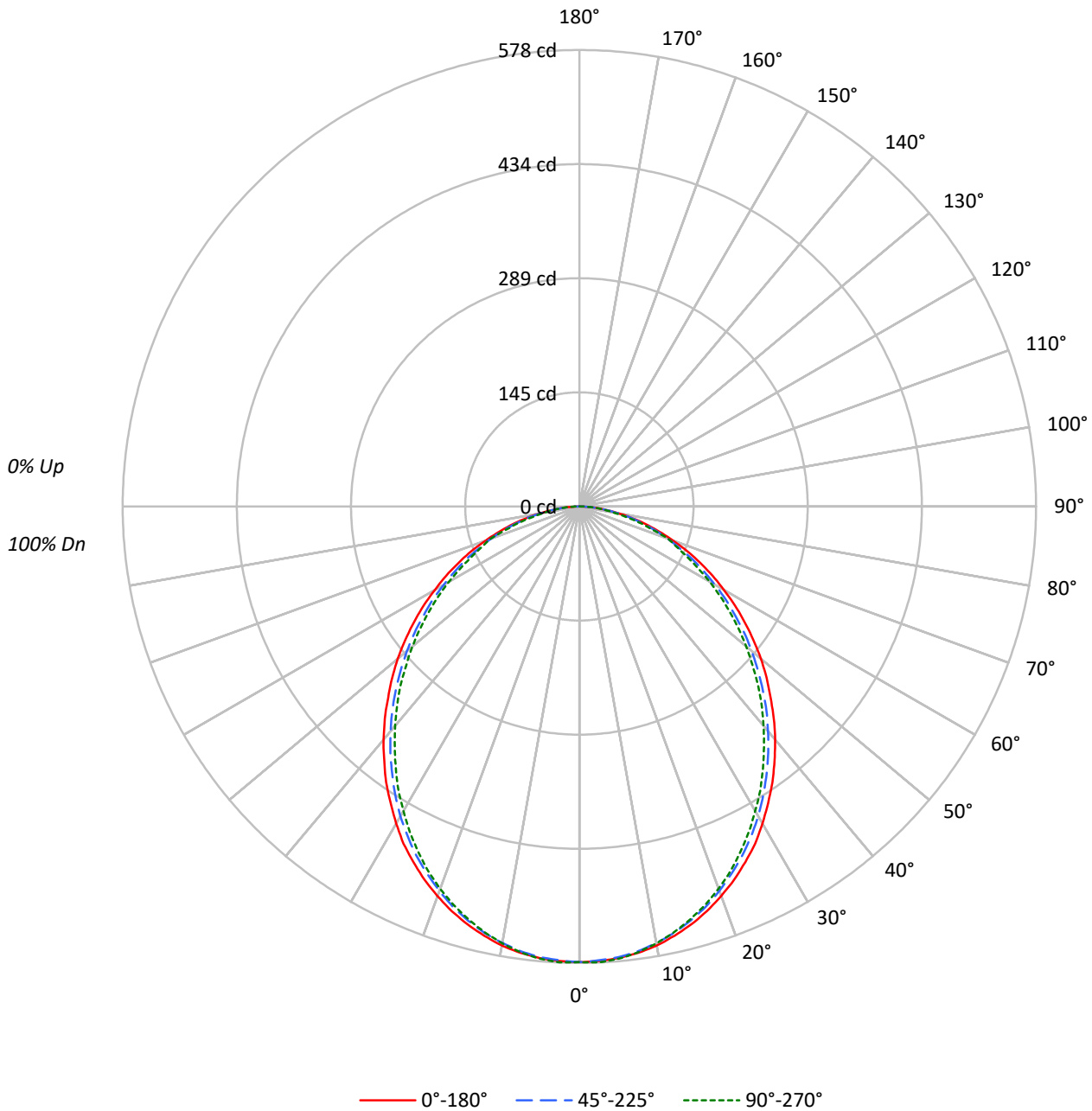
Lumens per Lamp: N/A
Luminaire Lumens: 1432.8 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	1553	1553	1553
5°	1551	1547	1553
10°	1543	1534	1535
15°	1526	1513	1508
20°	1503	1484	1475
25°	1475	1449	1433
30°	1440	1407	1383
35°	1400	1357	1330
40°	1354	1305	1274
45°	1303	1249	1217
50°	1256	1192	1155
55°	1199	1129	1089
60°	1136	1065	1024
65°	1071	1001	955
70°	990	933	943
75°	912	859	815
80°	795	761	683
85°	667	627	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1303 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	3.8
10°-20°	153.3	10.7
20°-30°	225.0	15.7
30°-40°	259.1	18.1
40°-50°	254.4	17.8
50°-60°	216.9	15.1
60°-70°	156.9	10.9
70°-80°	88.2	6.2
80°-90°	24.7	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°	432.7	30.2
0°-40°	691.8	48.3
0°-60°	1163.1	81.2
0°-90°	1432.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	574	574	573	574	575	54
15°	548	547	543	542	541	154
25°	497	493	488	484	482	229
35°	426	421	413	408	405	266
45°	342	338	328	322	320	264
55°	256	250	241	235	232	228
65°	168	164	157	151	150	167
75°	88	86	83	79	78	93
85°	22	22	20	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	577.0	577.0	577.0	577.0	577.0
2.5°	576.2	576.6	575.3	577.4	577.8
5°	574.0	574.5	572.8	574.5	574.9
7.5°	570.2	570.2	568.1	569.4	569.4
10°	564.7	563.9	561.3	561.7	561.7
12.5°	556.7	556.7	553.3	553.3	552.4
15°	547.8	546.9	543.1	542.3	541.4
17.5°	537.2	535.9	531.7	530.0	529.1
20°	524.9	522.8	518.1	516.0	515.1
22.5°	511.8	508.8	503.3	500.7	499.9
25°	496.9	493.1	488.0	484.2	482.5
27.5°	481.7	477.9	470.7	466.4	464.7
30°	463.5	459.7	452.9	447.8	445.2
32.5°	444.8	441.4	433.4	427.9	426.2
35°	426.2	421.1	413.1	407.5	405.0
37.5°	405.8	401.6	392.7	386.8	383.8
40°	385.5	381.3	371.5	365.2	362.6
42.5°	364.3	358.8	350.4	343.6	341.5
45°	342.3	338.1	328.3	322.0	319.8
47.5°	321.5	315.2	306.3	299.9	297.0
50°	299.9	294.0	284.7	277.9	275.8
52.5°	277.5	272.4	263.1	256.3	253.8
55°	255.5	249.9	240.6	234.7	232.2
57.5°	233.4	228.3	219.9	213.1	211.4
60°	211.0	206.3	197.8	192.3	190.2
62.5°	190.2	184.7	177.1	171.6	169.5
65°	168.2	163.5	157.2	151.2	150.0
67.5°	147.9	144.5	136.4	132.2	132.6
70°	125.8	125.8	118.6	114.4	119.9
72.5°	106.3	106.8	100.4	97.9	95.7
75°	87.7	86.0	82.6	79.2	78.4
77.5°	69.1	69.9	66.9	60.6	59.7
80°	51.3	55.9	49.1	44.9	44.1
82.5°	35.2	39.8	33.9	31.8	31.3
85°	21.6	22.5	20.3	20.3	20.3
87.5°	9.3	10.6	10.2	10.2	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)