

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-20-L927.ies

Issue Date: 2/27/2025

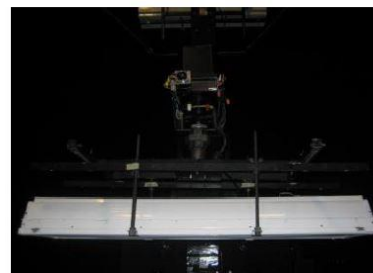
Test Information

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-20-L927.ies
Description: 1x4 D3X-LP AT 2000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1592.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

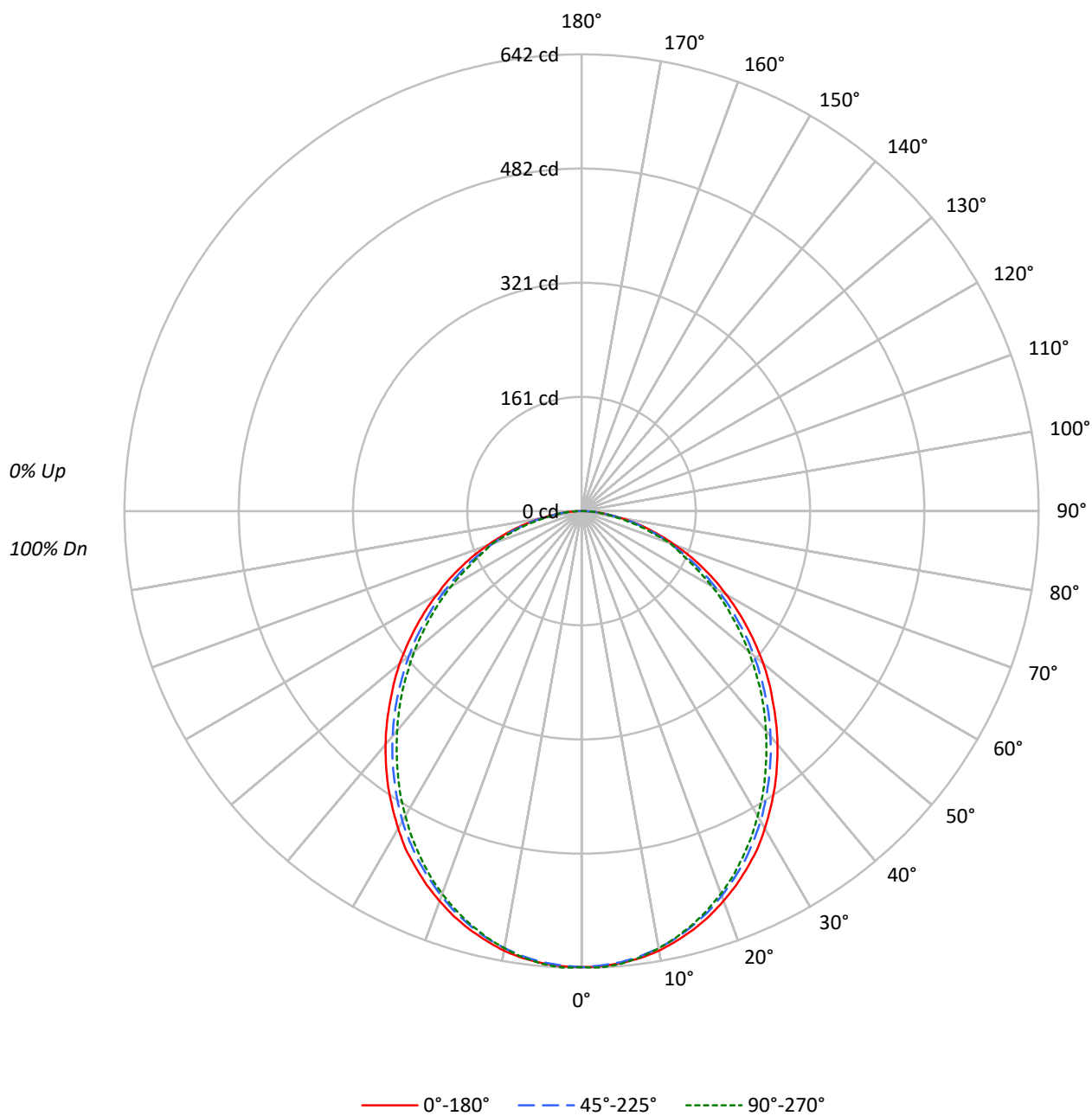
Input Watts (W): 22.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L927.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°	1725	1725	1725
5°	1723	1719	1726
10°	1715	1704	1706
15°	1696	1681	1676
20°	1670	1649	1639
25°	1639	1610	1592
30°	1600	1564	1537
35°	1555	1508	1478
40°	1505	1450	1415
45°	1447	1388	1353
50°	1395	1324	1283
55°	1331	1255	1210
60°	1262	1183	1138
65°	1190	1112	1061
70°	1100	1037	1048
75°	1013	954	906
80°	883	846	759
85°	741	698	698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1447 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-20-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	3.8
10°-20°	170.4	10.7
20°-30°	250.0	15.7
30°-40°	287.9	18.1
40°-50°	282.6	17.8
50°-60°	241.0	15.1
60°-70°	174.3	10.9
70°-80°	98.0	6.2
80°-90°	27.4	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°	480.8	30.2
0°-40°	768.7	48.3
0°-60°	1292.3	81.2
0°-90°	1592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	638	638	636	638	639	61
15°	609	608	604	602	602	172
25°	552	548	542	538	536	254
35°	474	468	459	453	450	296
45°	380	376	365	358	355	294
55°	284	278	267	261	258	254
65°	187	182	175	168	167	185
75°	97	96	92	88	87	103
85°	24	25	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°	641.1	641.1	641.1	641.1	641.1
2.5°	640.2	640.6	639.2	641.6	642.1
5°	637.8	638.3	636.4	638.3	638.8
7.5°	633.6	633.6	631.2	632.6	632.6
10°	627.5	626.5	623.7	624.2	624.2
12.5°	618.5	618.5	614.8	614.8	613.8
15°	608.6	607.7	603.5	602.5	601.6
17.5°	596.9	595.5	590.7	588.9	587.9
20°	583.2	580.9	575.7	573.3	572.4
22.5°	568.6	565.3	559.2	556.4	555.4
25°	552.1	547.9	542.3	538.0	536.1
27.5°	535.2	531.0	523.0	518.3	516.4
30°	515.0	510.7	503.2	497.5	494.7
32.5°	494.2	490.5	481.5	475.4	473.5
35°	473.5	467.9	458.9	452.8	450.0
37.5°	450.9	446.2	436.4	429.8	426.5
40°	428.3	423.6	412.8	405.8	402.9
42.5°	404.8	398.7	389.3	381.7	379.4
45°	380.3	375.6	364.8	357.7	355.4
47.5°	357.3	350.2	340.3	333.3	330.0
50°	333.3	326.7	316.3	308.8	306.4
52.5°	308.3	302.7	292.3	284.8	282.0
55°	283.8	277.7	267.4	260.8	258.0
57.5°	259.4	253.7	244.3	236.8	234.9
60°	234.4	229.2	219.8	213.7	211.4
62.5°	211.4	205.2	196.8	190.6	188.3
65°	186.9	181.7	174.6	168.0	166.6
67.5°	164.3	160.5	151.6	146.9	147.3
70°	139.8	139.8	131.8	127.1	133.2
72.5°	118.1	118.6	111.6	108.7	106.4
75°	97.4	95.6	91.8	88.0	87.1
77.5°	76.7	77.7	74.4	67.3	66.4
80°	57.0	62.1	54.6	49.9	49.0
82.5°	39.1	44.2	37.7	35.3	34.8
85°	24.0	24.9	22.6	22.6	22.6
87.5°	10.4	11.8	11.3	11.3	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)