

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-L940.ies

Issue Date: 2/27/2025

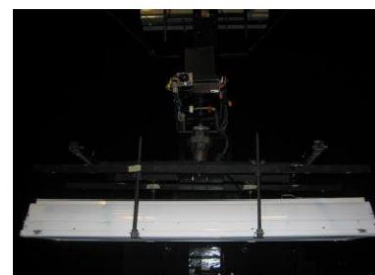
Test Information

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

Summary

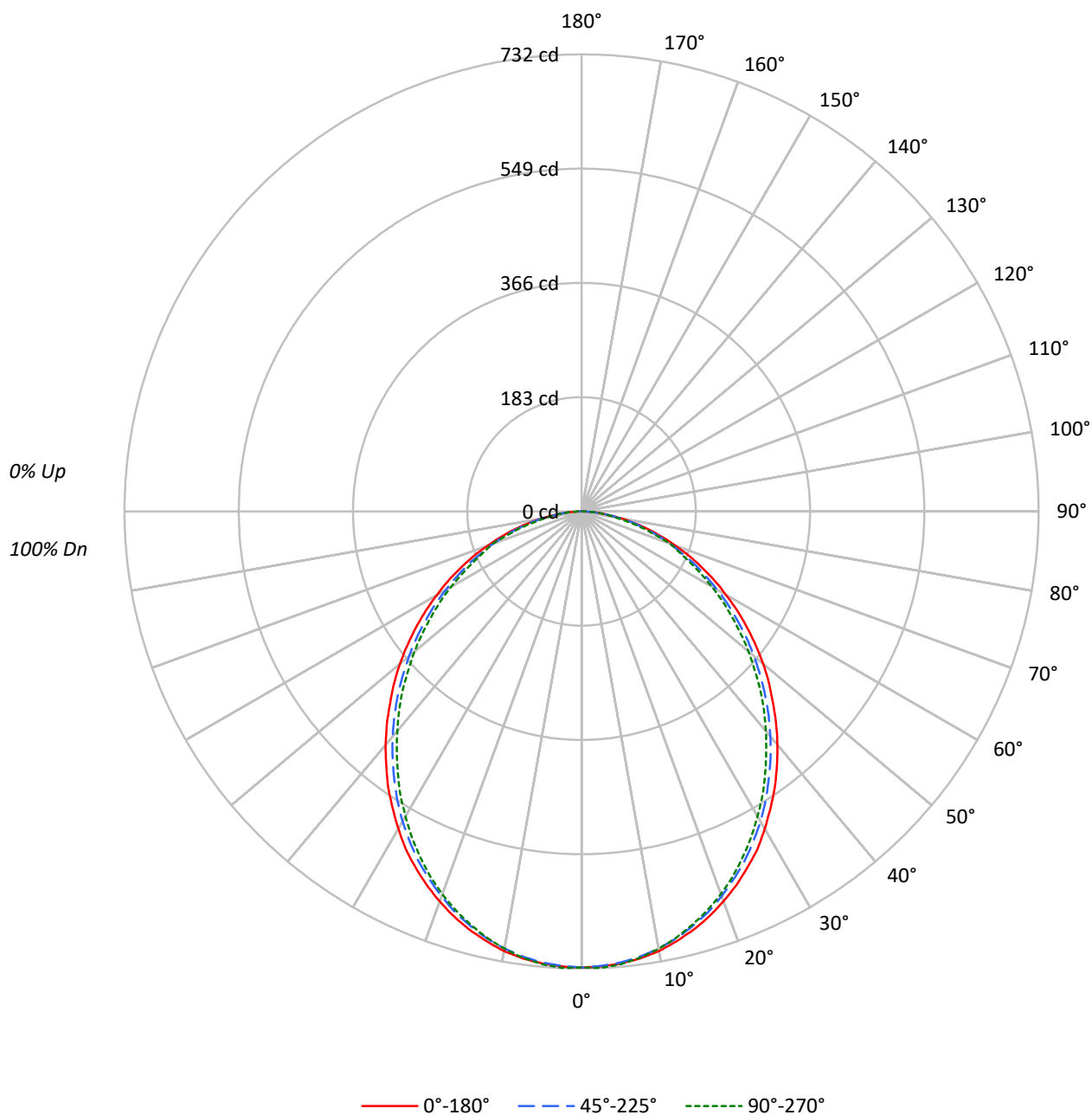
Lumens per Lamp: N/A
Luminaire Lumens: 1814.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1966	1966	1966
5°	1963	1959	1966
10°	1953	1942	1943
15°	1932	1916	1909
20°	1903	1878	1868
25°	1868	1835	1814
30°	1823	1782	1752
35°	1773	1718	1684
40°	1715	1652	1613
45°	1649	1582	1541
50°	1590	1509	1462
55°	1517	1429	1379
60°	1438	1348	1296
65°	1356	1267	1209
70°	1253	1182	1194
75°	1154	1088	1031
80°	1006	964	865
85°	846	794	794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	3.8
10°-20°	194.1	10.7
20°-30°	284.8	15.7
30°-40°	328.1	18.1
40°-50°	322.0	17.8
50°-60°	274.6	15.1
60°-70°	198.6	10.9
70°-80°	111.7	6.2
80°-90°	31.2	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°	547.8	30.2
0°-40°	875.9	48.3
0°-60°	1472.5	81.2
0°-90°	1814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	727	727	725	727	728	69
15°	694	692	688	686	685	195
25°	629	624	618	613	611	290
35°	540	533	523	516	513	337
45°	433	428	416	408	405	335
55°	323	316	305	297	294	289
65°	213	207	199	192	190	211
75°	111	109	105	100	99	117
85°	27	28	26	26	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730.5	730.5	730.5	730.5	730.5
2.5°	729.4	730.0	728.4	731.0	731.6
5°	726.7	727.3	725.1	727.3	727.8
7.5°	721.9	721.9	719.2	720.8	720.8
10°	714.9	713.9	710.7	711.2	711.2
12.5°	704.8	704.8	700.5	700.5	699.4
15°	693.5	692.4	687.6	686.5	685.4
17.5°	680.1	678.5	673.1	671.0	669.9
20°	664.5	661.8	655.9	653.3	652.2
22.5°	647.9	644.1	637.2	634.0	632.9
25°	629.1	624.3	617.9	613.0	610.9
27.5°	609.8	605.0	595.9	590.5	588.4
30°	586.8	581.9	573.4	566.9	563.7
32.5°	563.2	558.9	548.7	541.7	539.6
35°	539.6	533.1	522.9	516.0	512.7
37.5°	513.8	508.5	497.2	489.7	485.9
40°	488.1	482.7	470.4	462.3	459.1
42.5°	461.3	454.3	443.6	435.0	432.3
45°	433.4	428.0	415.7	407.6	404.9
47.5°	407.1	399.0	387.8	379.7	376.0
50°	379.7	372.2	360.4	351.8	349.2
52.5°	351.3	344.9	333.1	324.5	321.3
55°	323.4	316.4	304.6	297.1	293.9
57.5°	295.5	289.1	278.4	269.8	267.6
60°	267.1	261.2	250.5	243.5	240.8
62.5°	240.8	233.8	224.2	217.2	214.5
65°	212.9	207.0	199.0	191.5	189.9
67.5°	187.2	182.9	172.7	167.3	167.9
70°	159.3	159.3	150.2	144.8	151.8
72.5°	134.6	135.2	127.1	123.9	121.2
75°	111.0	108.9	104.6	100.3	99.2
77.5°	87.4	88.5	84.7	76.7	75.6
80°	64.9	70.8	62.2	56.9	55.8
82.5°	44.5	50.4	42.9	40.2	39.7
85°	27.4	28.4	25.7	25.7	25.7
87.5°	11.8	13.4	12.9	12.9	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)