

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-25-L840.ies

Issue Date: 2/27/2025

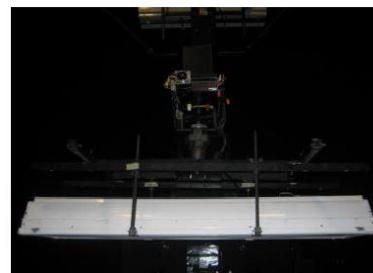
Test Information

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-25-L840.ies
Description: 1x4 D3X-LP AT 2500lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

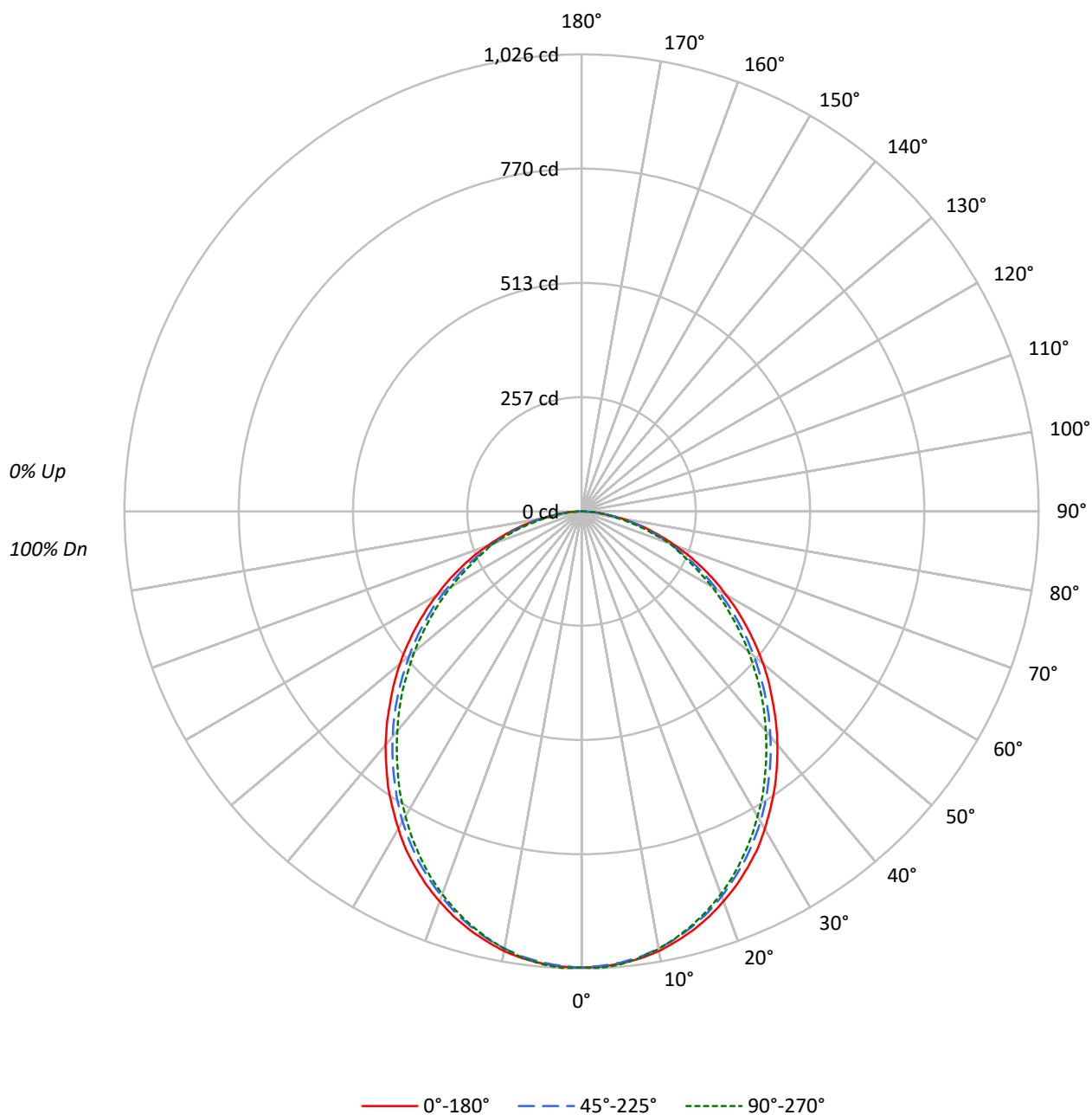
Lumens per Lamp: N/A
Luminaire Lumens: 2543.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27
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		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2756	2756	2756
5°	2752	2746	2756
10°	2739	2722	2724
15°	2708	2685	2677
20°	2668	2633	2618
25°	2619	2572	2543
30°	2556	2498	2455
35°	2485	2408	2361
40°	2403	2316	2261
45°	2312	2218	2160
50°	2228	2115	2049
55°	2127	2004	1933
60°	2015	1890	1817
65°	1901	1776	1695
70°	1757	1656	1674
75°	1618	1524	1446
80°	1410	1351	1212
85°	1183	1115	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	3.8
10°-20°	272.1	10.7
20°-30°	399.3	15.7
30°-40°	459.9	18.1
40°-50°	451.4	17.8
50°-60°	384.9	15.1
60°-70°	278.4	10.9
70°-80°	156.6	6.2
80°-90°	43.8	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°	768.0	30.2
0°-40°	1227.9	48.3
0°-60°	2064.2	81.2
0°-90°	2543.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2543.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1024	1024	1024	1024	1024	
5°	1019	1020	1016	1020	1020	97
15°	972	971	964	962	961	274
25°	882	875	866	859	856	406
35°	756	747	733	723	719	473
45°	608	600	583	571	568	469
55°	453	444	427	416	412	405
65°	298	290	279	268	266	296
75°	156	153	147	141	139	165
85°	38	40	36	36	36	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1022.6	1023.3	1021.1	1024.8	1025.6
5°	1018.8	1019.6	1016.5	1019.6	1020.3
7.5°	1012.0	1012.0	1008.3	1010.5	1010.5
10°	1002.3	1000.8	996.2	997.0	997.0
12.5°	988.0	988.0	982.0	982.0	980.5
15°	972.2	970.7	963.9	962.4	960.9
17.5°	953.4	951.1	943.6	940.6	939.1
20°	931.6	927.8	919.6	915.8	914.3
22.5°	908.3	903.0	893.2	888.7	887.2
25°	882.0	875.2	866.2	859.4	856.4
27.5°	854.9	848.1	835.3	827.8	824.8
30°	822.6	815.8	803.8	794.7	790.2
32.5°	789.5	783.5	769.2	759.4	756.4
35°	756.4	747.4	733.1	723.3	718.8
37.5°	720.3	712.8	697.0	686.5	681.2
40°	684.2	676.7	659.4	648.1	643.6
42.5°	646.6	636.8	621.8	609.8	606.0
45°	607.5	600.0	582.7	571.4	567.7
47.5°	570.7	559.4	543.6	532.3	527.1
50°	532.3	521.8	505.3	493.2	489.5
52.5°	492.5	483.5	466.9	454.9	450.4
55°	453.4	443.6	427.1	416.5	412.0
57.5°	414.3	405.3	390.2	378.2	375.2
60°	374.4	366.2	351.1	341.4	337.6
62.5°	337.6	327.8	314.3	304.5	300.8
65°	298.5	290.2	278.9	268.4	266.2
67.5°	262.4	256.4	242.1	234.6	235.3
70°	223.3	223.3	210.5	203.0	212.8
72.5°	188.7	189.5	178.2	173.7	169.9
75°	155.6	152.6	146.6	140.6	139.1
77.5°	122.6	124.1	118.8	107.5	106.0
80°	91.0	99.2	87.2	79.7	78.2
82.5°	62.4	70.7	60.2	56.4	55.6
85°	38.3	39.8	36.1	36.1	36.1
87.5°	16.5	18.8	18.0	18.0	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)