

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-45-L930.ies

Issue Date: 2/27/2025

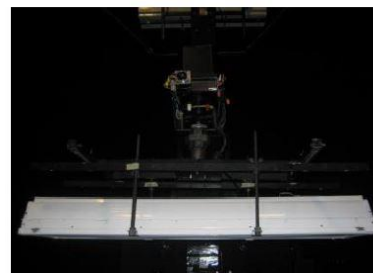
Test Information

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-45-L930.ies
Description: 1x4 D3X-LP AT 4500lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

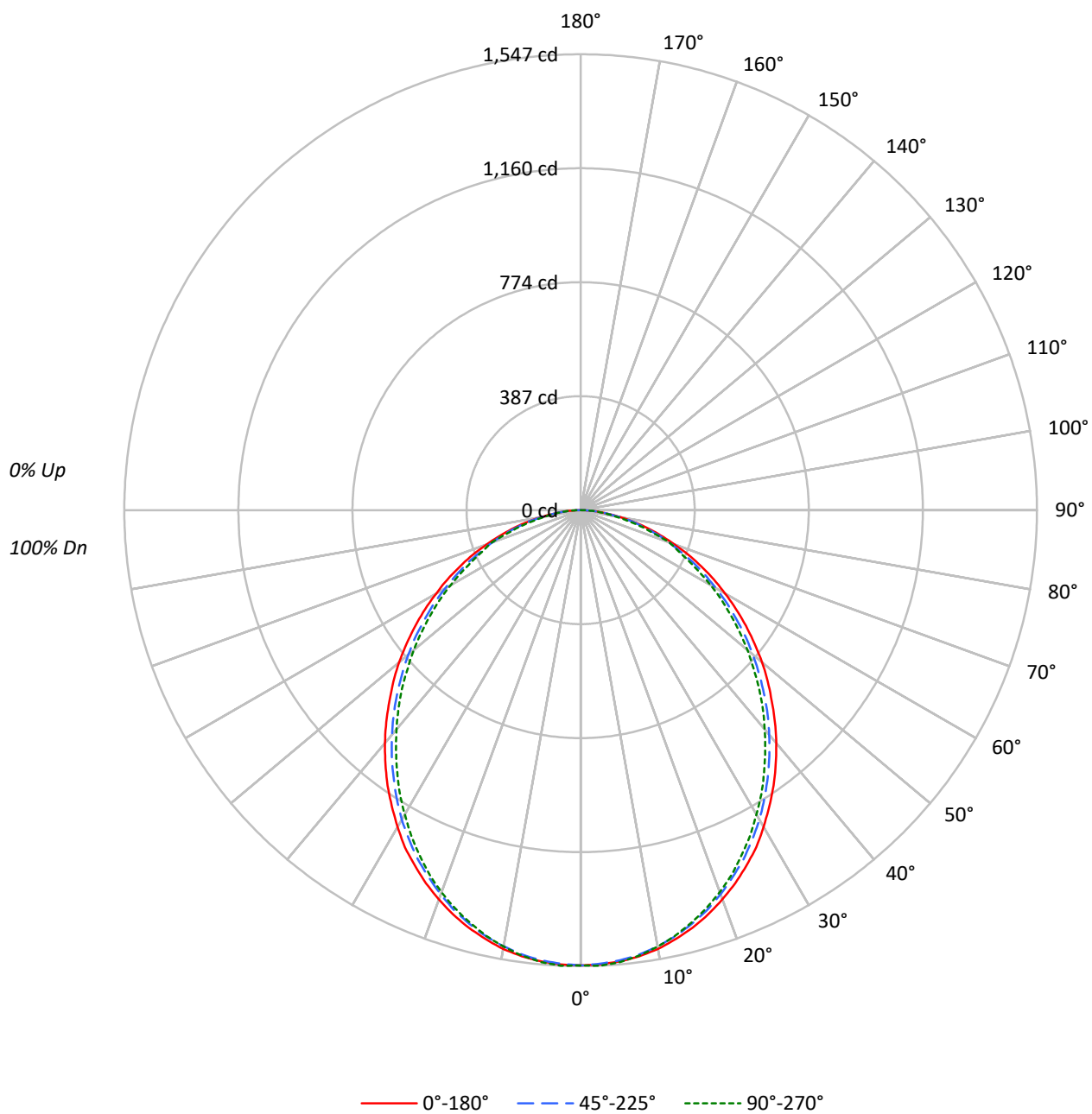
Lumens per Lamp: N/A
Luminaire Lumens: 3836.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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-45-L930.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					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°	4157	4157	4157
5°	4151	4142	4158
10°	4131	4106	4109
15°	4086	4051	4038
20°	4024	3972	3950
25°	3950	3880	3836
30°	3856	3767	3704
35°	3748	3633	3562
40°	3626	3494	3411
45°	3487	3345	3259
50°	3362	3191	3091
55°	3209	3022	2916
60°	3040	2851	2740
65°	2867	2679	2557
70°	2651	2499	2526
75°	2441	2300	2181
80°	2126	2039	1829
85°	1785	1680	1680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	3.8
10°-20°	410.4	10.7
20°-30°	602.3	15.7
30°-40°	693.7	18.1
40°-50°	681.0	17.8
50°-60°	580.6	15.1
60°-70°	420.0	10.9
70°-80°	236.2	6.2
80°-90°	66.0	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°	1158.5	30.2
0°-40°	1852.2	48.3
0°-60°	3113.8	81.2
0°-90°	3836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1537	1538	1533	1538	1539	146
15°	1466	1464	1454	1452	1450	413
25°	1330	1320	1307	1296	1292	613
35°	1141	1127	1106	1091	1084	713
45°	916	905	879	862	856	708
55°	684	669	644	628	622	612
65°	450	438	421	405	402	447
75°	235	230	221	212	210	248
85°	58	60	54	54	54	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1544.8	1544.8	1544.8	1544.8	1544.8
2.5°	1542.5	1543.6	1540.2	1545.9	1547.0
5°	1536.8	1538.0	1533.4	1538.0	1539.1
7.5°	1526.6	1526.6	1520.9	1524.3	1524.3
10°	1511.9	1509.6	1502.8	1503.9	1503.9
12.5°	1490.3	1490.3	1481.2	1481.2	1479.0
15°	1466.5	1464.2	1454.0	1451.8	1449.5
17.5°	1438.1	1434.7	1423.4	1418.9	1416.6
20°	1405.3	1399.6	1387.1	1381.4	1379.2
22.5°	1370.1	1362.2	1347.4	1340.6	1338.3
25°	1330.4	1320.2	1306.6	1296.4	1291.8
27.5°	1289.6	1279.4	1260.1	1248.7	1244.2
30°	1240.8	1230.6	1212.4	1198.8	1192.0
32.5°	1190.9	1181.8	1160.3	1145.5	1141.0
35°	1141.0	1127.4	1105.8	1091.1	1084.3
37.5°	1086.5	1075.2	1051.4	1035.5	1027.6
40°	1032.1	1020.8	994.7	977.7	970.9
42.5°	975.4	960.7	938.0	919.8	914.2
45°	916.4	905.1	879.0	862.0	856.3
47.5°	860.8	843.8	820.0	803.0	795.1
50°	803.0	787.1	762.2	744.0	738.4
52.5°	742.9	729.3	704.3	686.2	679.4
55°	683.9	669.2	644.2	628.3	621.5
57.5°	624.9	611.3	588.6	570.5	566.0
60°	564.8	552.3	529.7	514.9	509.2
62.5°	509.2	494.5	474.1	459.3	453.7
65°	450.3	437.8	420.8	404.9	401.5
67.5°	395.8	386.8	365.2	353.9	355.0
70°	336.9	336.9	317.6	306.2	321.0
72.5°	284.7	285.8	268.8	262.0	256.3
75°	234.8	230.2	221.2	212.1	209.8
77.5°	184.9	187.1	179.2	162.2	159.9
80°	137.2	149.7	131.6	120.2	118.0
82.5°	94.1	106.6	90.7	85.1	83.9
85°	57.8	60.1	54.4	54.4	54.4
87.5°	25.0	28.4	27.2	27.2	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)