

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-45-L935.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-45-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 4500lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3499.2 lumens
Efficiency: N/A
Efficacy: 64.7 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

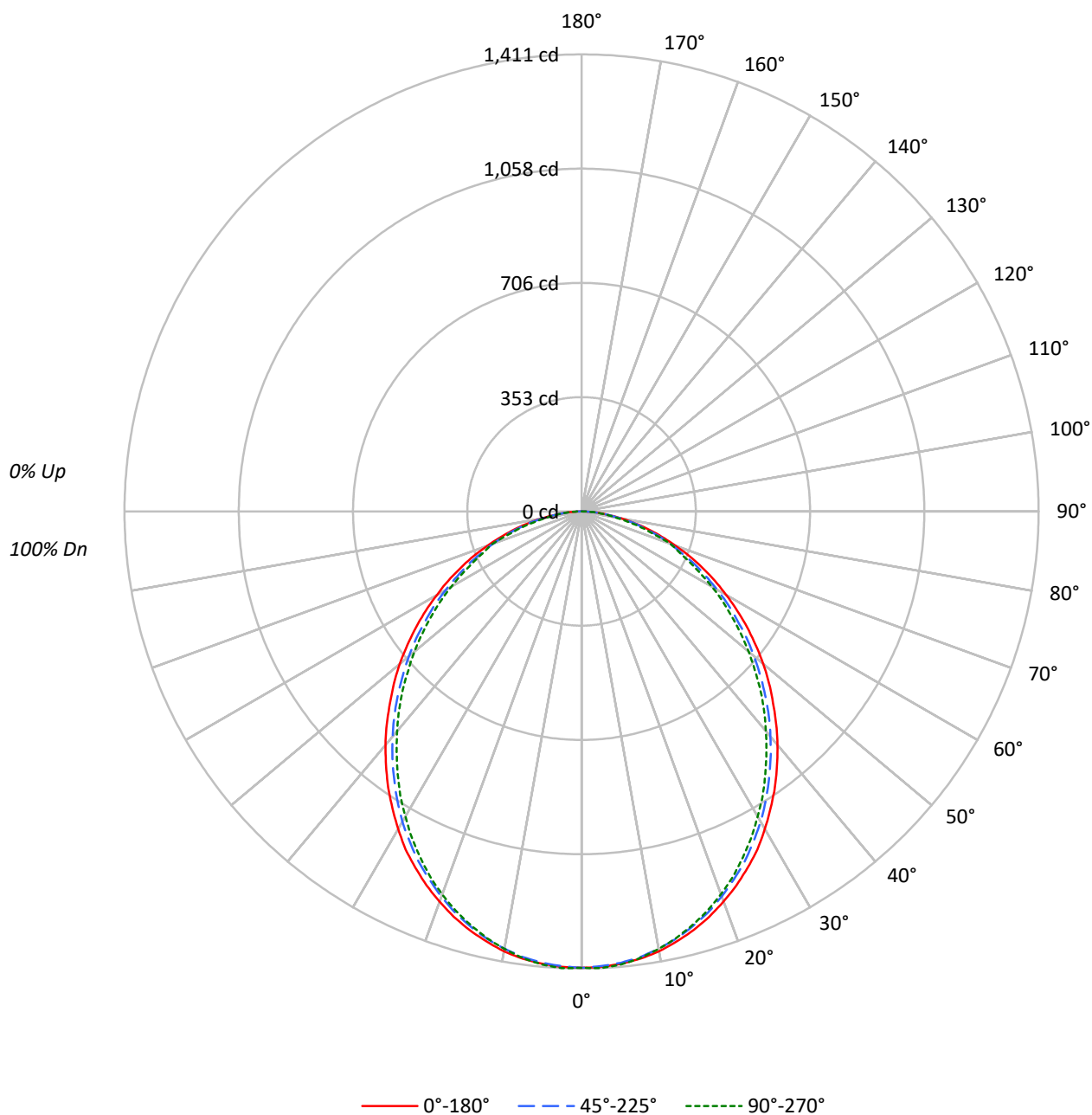
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L935.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L935.ies

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°	3792	3792	3792
5°	3787	3779	3793
10°	3768	3746	3749
15°	3727	3695	3684
20°	3671	3623	3603
25°	3603	3539	3499
30°	3517	3437	3379
35°	3419	3314	3249
40°	3307	3187	3111
45°	3181	3051	2973
50°	3067	2911	2820
55°	2927	2757	2660
60°	2773	2601	2500
65°	2615	2444	2332
70°	2418	2279	2304
75°	2227	2097	1990
80°	1940	1860	1667
85°	1630	1535	1535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3181 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L935.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	3.8
10°-20°	374.4	10.7
20°-30°	549.4	15.7
30°-40°	632.8	18.1
40°-50°	621.2	17.8
50°-60°	529.7	15.1
60°-70°	383.1	10.9
70°-80°	215.4	6.2
80°-90°	60.2	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°	1056.8	30.2
0°-40°	1689.6	48.3
0°-60°	2840.4	81.2
0°-90°	3499.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3499.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1409	1409	1409	1409	1409	
5°	1402	1403	1399	1403	1404	133
15°	1338	1336	1326	1324	1322	377
25°	1214	1204	1192	1183	1178	559
35°	1041	1028	1009	995	989	650
45°	836	826	802	786	781	646
55°	624	610	588	573	567	558
65°	411	399	384	369	366	408
75°	214	210	202	194	191	226
85°	53	55	50	50	50	61
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L935.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1407.1	1408.1	1405.0	1410.2	1411.2
5°	1401.9	1402.9	1398.8	1402.9	1404.0
7.5°	1392.6	1392.6	1387.4	1390.5	1390.5
10°	1379.1	1377.1	1370.9	1371.9	1371.9
12.5°	1359.5	1359.5	1351.2	1351.2	1349.1
15°	1337.7	1335.7	1326.4	1324.3	1322.2
17.5°	1311.9	1308.8	1298.4	1294.3	1292.2
20°	1281.9	1276.7	1265.3	1260.1	1258.1
22.5°	1249.8	1242.6	1229.1	1222.9	1220.8
25°	1213.6	1204.3	1191.9	1182.6	1178.4
27.5°	1176.3	1167.0	1149.4	1139.1	1135.0
30°	1131.9	1122.5	1106.0	1093.6	1087.4
32.5°	1086.3	1078.1	1058.4	1044.9	1040.8
35°	1040.8	1028.4	1008.7	995.3	989.1
37.5°	991.2	980.8	959.1	944.6	937.4
40°	941.5	931.1	907.3	891.8	885.6
42.5°	889.8	876.3	855.6	839.1	833.9
45°	836.0	825.6	801.8	786.3	781.1
47.5°	785.3	769.7	748.0	732.5	725.3
50°	732.5	718.0	695.3	678.7	673.5
52.5°	677.7	665.3	642.5	625.9	619.7
55°	623.9	610.4	587.7	573.2	567.0
57.5°	570.1	557.7	537.0	520.4	516.3
60°	515.2	503.9	483.2	469.7	464.5
62.5°	464.5	451.1	432.5	419.0	413.8
65°	410.7	399.4	383.8	369.4	366.2
67.5°	361.1	352.8	333.1	322.8	323.8
70°	307.3	307.3	289.7	279.3	292.8
72.5°	259.7	260.7	245.2	239.0	233.8
75°	214.2	210.0	201.7	193.5	191.4
77.5°	168.6	170.7	163.5	147.9	145.9
80°	125.2	136.6	120.0	109.7	107.6
82.5°	85.9	97.3	82.8	77.6	76.6
85°	52.8	54.8	49.7	49.7	49.7
87.5°	22.8	25.9	24.8	24.8	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)