

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-L940.ies

Issue Date: 2/27/2025

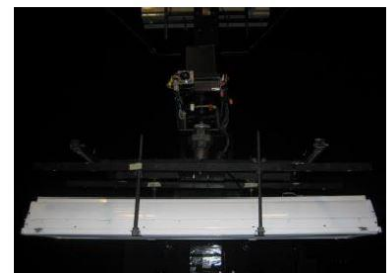
**Test Information**

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-WD-45-L940.ies  
Description: 1x4 D3X-LP ROUND PERF AT 4500lm 4000K 90CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

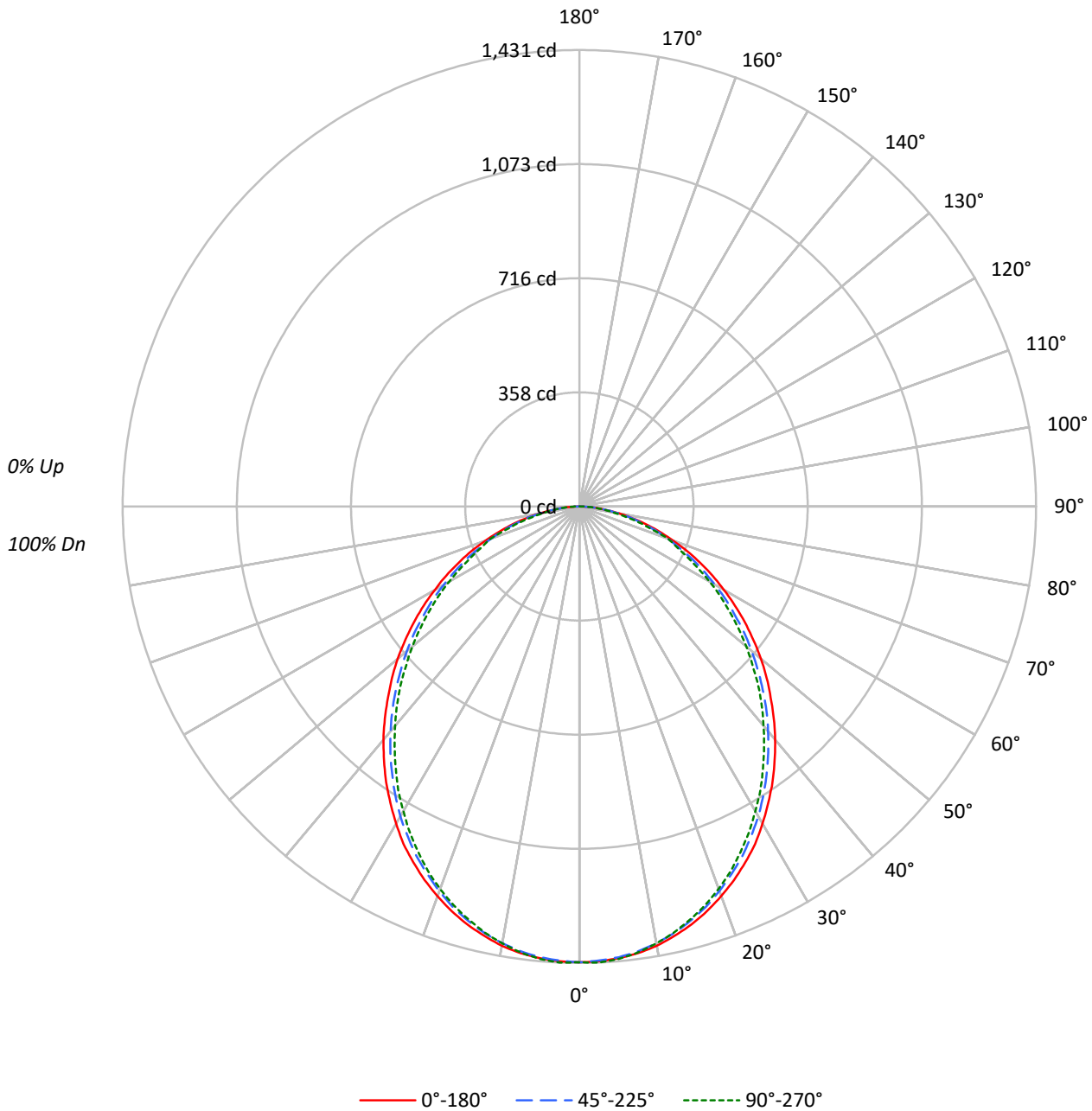
Lumens per Lamp: N/A  
Luminaire Lumens: 3548.7 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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



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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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	3846	3846	3846
5°	3840	3832	3846
10°	3822	3799	3802
15°	3780	3747	3736
20°	3723	3675	3654
25°	3654	3589	3548
30°	3567	3485	3427
35°	3467	3361	3295
40°	3354	3232	3155
45°	3226	3095	3015
50°	3110	2952	2860
55°	2968	2796	2698
60°	2812	2637	2535
65°	2652	2479	2365
70°	2452	2312	2336
75°	2258	2127	2018
80°	1968	1886	1691
85°	1652	1556	1556

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3226 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.8	3.8
10°-20°	379.7	10.7
20°-30°	557.2	15.7
30°-40°	641.8	18.1
40°-50°	630.0	17.8
50°-60°	537.1	15.1
60°-70°	388.6	10.9
70°-80°	218.5	6.2
80°-90°	61.1	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°	1071.7	30.2
0°-40°	1713.5	48.3
0°-60°	2880.6	81.2
0°-90°	3548.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3548.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1429	1429	1429	1429	1429	
5°	1422	1423	1419	1423	1424	135
15°	1357	1355	1345	1343	1341	382
25°	1231	1221	1209	1199	1195	567
35°	1056	1043	1023	1009	1003	659
45°	848	837	813	797	792	655
55°	633	619	596	581	575	566
65°	416	405	389	375	371	413
75°	217	213	205	196	194	230
85°	54	56	50	50	50	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1429.1	1429.1	1429.1	1429.1	1429.1
2.5°	1427.0	1428.0	1424.9	1430.1	1431.2
5°	1421.7	1422.8	1418.6	1422.8	1423.8
7.5°	1412.3	1412.3	1407.0	1410.2	1410.2
10°	1398.6	1396.5	1390.2	1391.3	1391.3
12.5°	1378.7	1378.7	1370.3	1370.3	1368.2
15°	1356.7	1354.6	1345.1	1343.0	1340.9
17.5°	1330.4	1327.3	1316.8	1312.6	1310.5
20°	1300.0	1294.8	1283.2	1278.0	1275.9
22.5°	1267.5	1260.1	1246.5	1240.2	1238.1
25°	1230.8	1221.3	1208.7	1199.3	1195.1
27.5°	1193.0	1183.5	1165.7	1155.2	1151.0
30°	1147.9	1138.4	1121.6	1109.0	1102.8
32.5°	1101.7	1093.3	1073.4	1059.7	1055.5
35°	1055.5	1042.9	1023.0	1009.4	1003.1
37.5°	1005.2	994.7	972.6	958.0	950.6
40°	954.8	944.3	920.2	904.4	898.1
42.5°	902.3	888.7	867.7	850.9	845.7
45°	847.8	837.3	813.2	797.4	792.2
47.5°	796.4	780.6	758.6	742.9	735.5
50°	742.9	728.2	705.1	688.3	683.1
52.5°	687.3	674.7	651.6	634.8	628.5
55°	632.7	619.1	596.0	581.3	575.0
57.5°	578.1	565.5	544.6	527.8	523.6
60°	522.5	511.0	490.0	476.4	471.1
62.5°	471.1	457.5	438.6	424.9	419.7
65°	416.5	405.0	389.3	374.6	371.4
67.5°	366.2	357.8	337.9	327.4	328.4
70°	311.6	311.6	293.8	283.3	296.9
72.5°	263.4	264.4	248.7	242.4	237.1
75°	217.2	213.0	204.6	196.2	194.1
77.5°	171.0	173.1	165.8	150.0	147.9
80°	127.0	138.5	121.7	111.2	109.1
82.5°	87.1	98.6	83.9	78.7	77.6
85°	53.5	55.6	50.4	50.4	50.4
87.5°	23.1	26.2	25.2	25.2	26.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)