

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-L927.ies

Issue Date: 2/27/2025

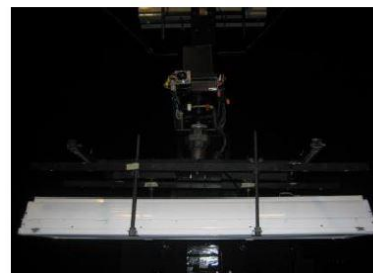
Test Information

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-L927.ies
Description: 1x4 D3X-LP AT 4500lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3460.1 lumens
Efficiency: N/A
Efficacy: 64.0 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

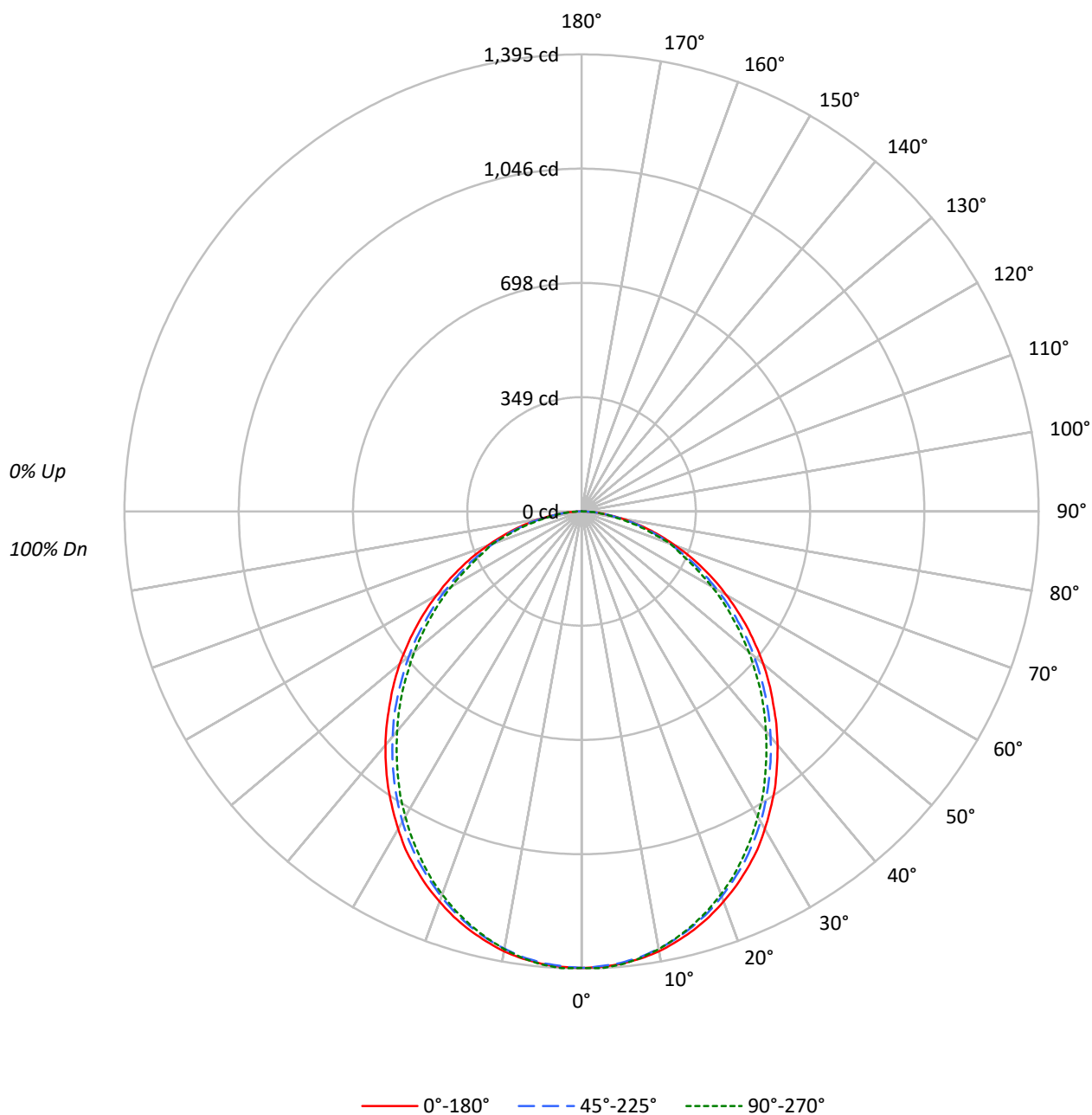
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
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°	3750	3750	3750
5°	3744	3736	3750
10°	3726	3704	3707
15°	3685	3654	3642
20°	3630	3583	3562
25°	3563	3499	3460
30°	3478	3398	3341
35°	3381	3277	3213
40°	3270	3152	3076
45°	3146	3017	2939
50°	3032	2878	2788
55°	2894	2726	2630
60°	2742	2571	2472
65°	2586	2416	2306
70°	2390	2253	2278
75°	2202	2074	1968
80°	1918	1839	1649
85°	1612	1516	1516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3146 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	3.8
10°-20°	370.2	10.7
20°-30°	543.3	15.7
30°-40°	625.7	18.1
40°-50°	614.2	17.8
50°-60°	523.7	15.1
60°-70°	378.8	10.9
70°-80°	213.0	6.2
80°-90°	59.5	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°	1045.0	30.2
0°-40°	1670.7	48.3
0°-60°	2808.7	81.2
0°-90°	3460.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3460.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1393	1393	1393	1393	1393	
5°	1386	1387	1383	1387	1388	132
15°	1323	1321	1312	1310	1307	373
25°	1200	1191	1178	1169	1165	553
35°	1029	1017	998	984	978	643
45°	827	816	793	778	772	639
55°	617	604	581	567	561	552
65°	406	395	380	365	362	403
75°	212	208	200	191	189	224
85°	52	54	49	49	49	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1393.4	1393.4	1393.4	1393.4	1393.4
2.5°	1391.3	1392.4	1389.3	1394.4	1395.4
5°	1386.2	1387.2	1383.1	1387.2	1388.3
7.5°	1377.0	1377.0	1371.9	1375.0	1375.0
10°	1363.7	1361.7	1355.5	1356.5	1356.5
12.5°	1344.3	1344.3	1336.1	1336.1	1334.0
15°	1322.8	1320.7	1311.5	1309.5	1307.4
17.5°	1297.2	1294.1	1283.9	1279.8	1277.8
20°	1267.5	1262.4	1251.2	1246.1	1244.0
22.5°	1235.8	1228.7	1215.4	1209.2	1207.2
25°	1200.0	1190.8	1178.5	1169.3	1165.2
27.5°	1163.2	1154.0	1136.6	1126.4	1122.3
30°	1119.2	1110.0	1093.6	1081.3	1075.2
32.5°	1074.2	1066.0	1046.6	1033.3	1029.2
35°	1029.2	1016.9	997.5	984.2	978.0
37.5°	980.1	969.8	948.4	934.0	926.9
40°	931.0	920.7	897.2	881.9	875.7
42.5°	879.8	866.5	846.0	829.7	824.6
45°	826.6	816.4	792.9	777.5	772.4
47.5°	776.5	761.1	739.7	724.3	717.1
50°	724.3	710.0	687.5	671.1	666.0
52.5°	670.1	657.8	635.3	618.9	612.8
55°	616.9	603.6	581.1	566.8	560.6
57.5°	563.7	551.4	531.0	514.6	510.5
60°	509.5	498.2	477.8	464.5	459.3
62.5°	459.3	446.0	427.6	414.3	409.2
65°	406.1	394.9	379.5	365.2	362.2
67.5°	357.0	348.9	329.4	319.2	320.2
70°	303.8	303.8	286.4	276.2	289.5
72.5°	256.8	257.8	242.5	236.3	231.2
75°	211.8	207.7	199.5	191.3	189.3
77.5°	166.8	168.8	161.6	146.3	144.2
80°	123.8	135.0	118.7	108.4	106.4
82.5°	84.9	96.2	81.8	76.7	75.7
85°	52.2	54.2	49.1	49.1	49.1
87.5°	22.5	25.6	24.6	24.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)