

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-40-L927.ies

Issue Date: 2/27/2025

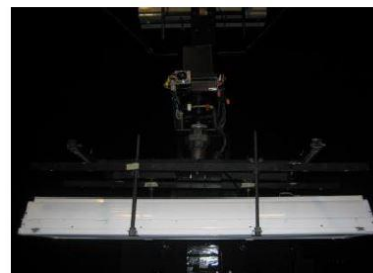
Test Information

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-WD-40-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2845.3 lumens
Efficiency: N/A
Efficacy: 58.5 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

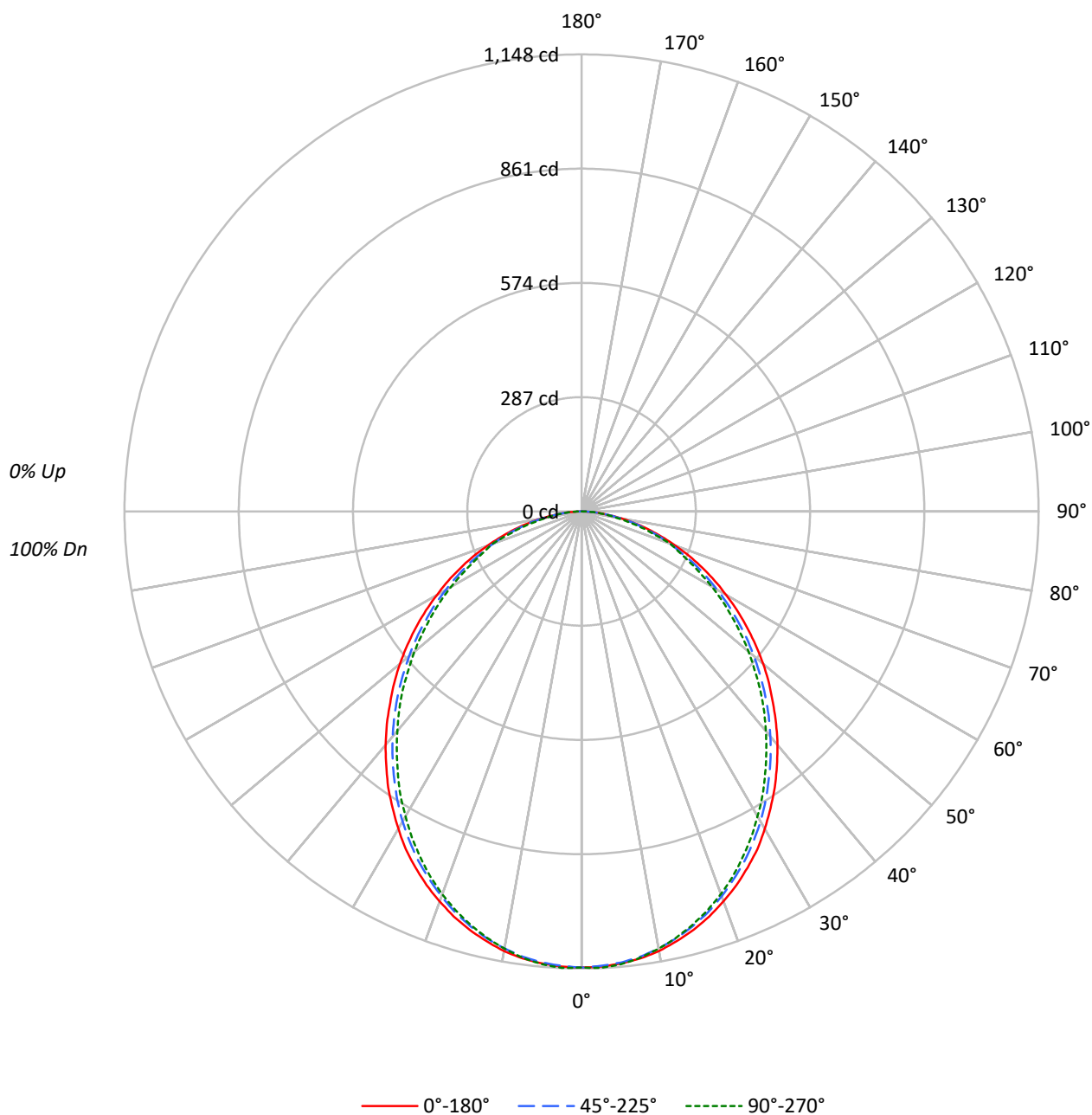
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L927.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L927.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°	3083	3083	3083
5°	3079	3072	3084
10°	3064	3046	3048
15°	3031	3005	2995
20°	2985	2946	2930
25°	2930	2878	2845
30°	2860	2794	2747
35°	2780	2695	2642
40°	2689	2592	2530
45°	2587	2481	2417
50°	2493	2367	2293
55°	2380	2242	2163
60°	2255	2115	2033
65°	2127	1987	1896
70°	1966	1854	1873
75°	1810	1706	1618
80°	1578	1512	1356
85°	1325	1247	1247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2587 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L927.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	3.8
10°-20°	304.4	10.7
20°-30°	446.8	15.7
30°-40°	514.6	18.1
40°-50°	505.1	17.8
50°-60°	430.7	15.1
60°-70°	311.5	10.9
70°-80°	175.2	6.2
80°-90°	49.0	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°	859.3	30.2
0°-40°	1373.9	48.3
0°-60°	2309.7	81.2
0°-90°	2845.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2845.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1140	1141	1137	1141	1142	108
15°	1088	1086	1078	1077	1075	307
25°	987	979	969	962	958	454
35°	846	836	820	809	804	529
45°	680	671	652	639	635	525
55°	507	496	478	466	461	454
65°	334	325	312	300	298	331
75°	174	171	164	157	156	184
85°	43	45	40	40	40	50
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-40-L927.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.8	1145.8	1145.8	1145.8	1145.8
2.5°	1144.1	1145.0	1142.5	1146.7	1147.5
5°	1139.9	1140.8	1137.4	1140.8	1141.6
7.5°	1132.4	1132.4	1128.2	1130.7	1130.7
10°	1121.4	1119.7	1114.7	1115.5	1115.5
12.5°	1105.4	1105.4	1098.7	1098.7	1097.0
15°	1087.8	1086.1	1078.5	1076.8	1075.2
17.5°	1066.7	1064.2	1055.8	1052.4	1050.8
20°	1042.4	1038.1	1028.9	1024.7	1023.0
22.5°	1016.3	1010.4	999.4	994.4	992.7
25°	986.8	979.3	969.2	961.6	958.2
27.5°	956.5	949.0	934.7	926.3	922.9
30°	920.4	912.8	899.3	889.2	884.2
32.5°	883.3	876.6	860.6	849.7	846.3
35°	846.3	836.2	820.3	809.3	804.3
37.5°	805.9	797.5	779.9	768.1	762.2
40°	765.6	757.2	737.8	725.2	720.1
42.5°	723.5	712.6	695.7	682.3	678.1
45°	679.8	671.3	652.0	639.4	635.2
47.5°	638.5	625.9	608.2	595.6	589.7
50°	595.6	583.9	565.3	551.9	547.7
52.5°	551.0	540.9	522.4	509.0	503.9
55°	507.3	496.4	477.8	466.1	461.0
57.5°	463.5	453.5	436.6	423.2	419.8
60°	419.0	409.7	392.9	381.9	377.7
62.5°	377.7	366.8	351.7	340.7	336.5
65°	334.0	324.7	312.1	300.3	297.8
67.5°	293.6	286.9	270.9	262.5	263.3
70°	249.9	249.9	235.6	227.1	238.1
72.5°	211.2	212.0	199.4	194.3	190.1
75°	174.1	170.8	164.1	157.3	155.6
77.5°	137.1	138.8	132.9	120.3	118.6
80°	101.8	111.0	97.6	89.2	87.5
82.5°	69.8	79.1	67.3	63.1	62.3
85°	42.9	44.6	40.4	40.4	40.4
87.5°	18.5	21.0	20.2	20.2	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)