

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-25-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-25-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 2500lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1933.2 lumens
Efficiency: N/A
Efficacy: 71.6 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

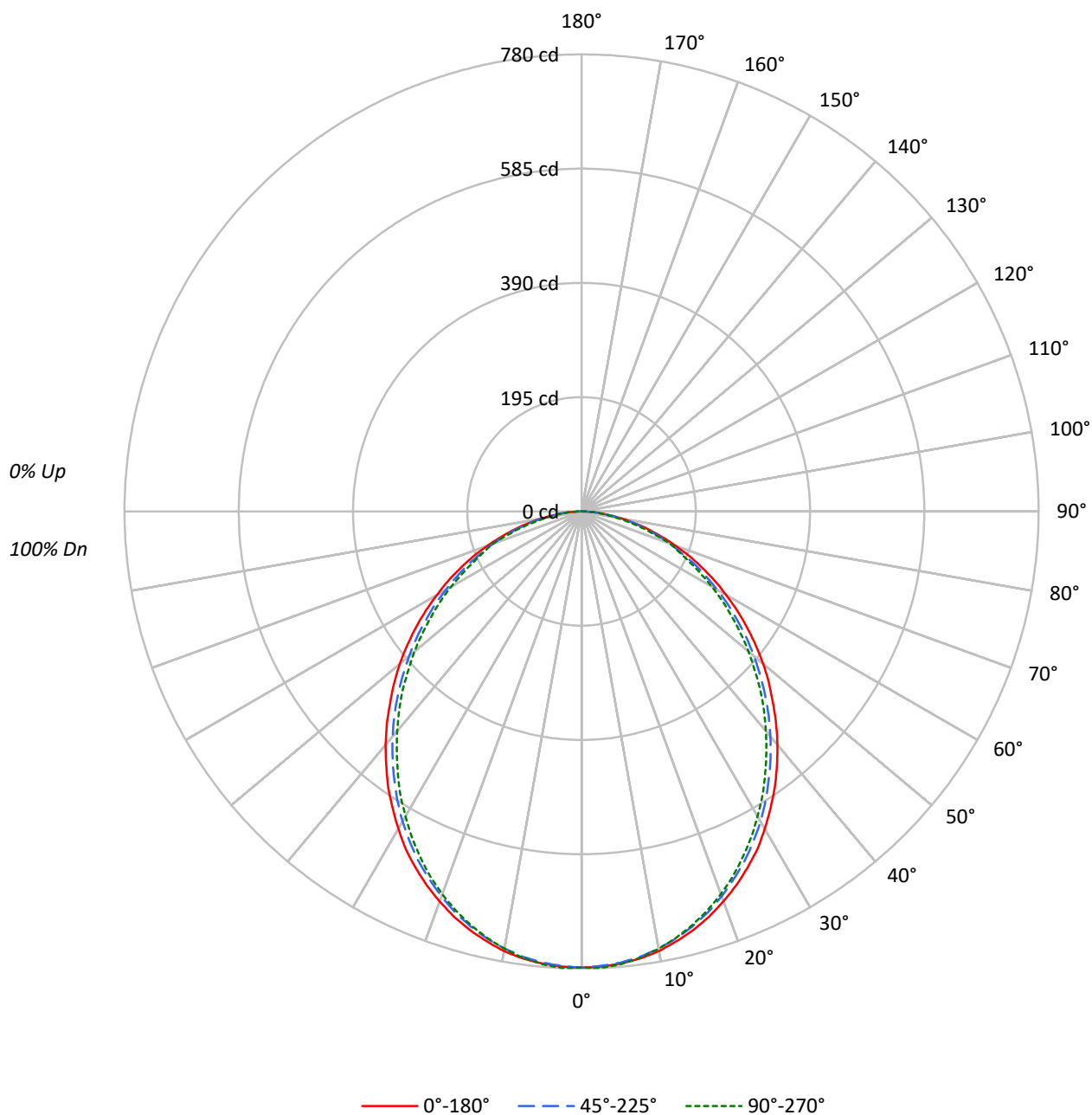
Input Watts (W): 27
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L940.ies

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L940.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°	2095	2095	2095
5°	2092	2088	2095
10°	2082	2070	2071
15°	2059	2042	2035
20°	2028	2002	1990
25°	1991	1955	1933
30°	1943	1899	1867
35°	1889	1831	1795
40°	1827	1761	1719
45°	1757	1686	1642
50°	1694	1608	1558
55°	1617	1523	1469
60°	1532	1436	1381
65°	1445	1351	1288
70°	1336	1259	1273
75°	1230	1159	1099
80°	1072	1027	921
85°	902	846	846

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1757 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L940.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.8
10°-20°	206.9	10.7
20°-30°	303.5	15.7
30°-40°	349.6	18.1
40°-50°	343.2	17.8
50°-60°	292.6	15.1
60°-70°	211.7	10.9
70°-80°	119.0	6.2
80°-90°	33.3	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°	583.8	30.2
0°-40°	933.5	48.3
0°-60°	1569.3	81.2
0°-90°	1933.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1933.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	774	775	773	775	776	74
15°	739	738	733	732	730	208
25°	670	665	658	653	651	309
35°	575	568	557	550	546	359
45°	462	456	443	434	432	357
55°	345	337	325	317	313	308
65°	227	221	212	204	202	225
75°	118	116	112	107	106	125
85°	29	30	27	27	27	34
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-25-L940.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.5	778.5	778.5	778.5	778.5
2.5°	777.4	777.9	776.2	779.1	779.6
5°	774.5	775.1	772.8	775.1	775.6
7.5°	769.4	769.4	766.5	768.2	768.2
10°	761.9	760.8	757.4	757.9	757.9
12.5°	751.1	751.1	746.5	746.5	745.3
15°	739.1	737.9	732.8	731.6	730.5
17.5°	724.8	723.1	717.3	715.1	713.9
20°	708.2	705.3	699.1	696.2	695.0
22.5°	690.5	686.5	679.0	675.6	674.5
25°	670.5	665.3	658.5	653.3	651.0
27.5°	649.9	644.7	635.0	629.3	627.0
30°	625.3	620.2	611.0	604.2	600.7
32.5°	600.2	595.6	584.7	577.3	575.0
35°	575.0	568.2	557.3	549.9	546.4
37.5°	547.6	541.9	529.9	521.9	517.9
40°	520.1	514.4	501.3	492.7	489.3
42.5°	491.6	484.1	472.7	463.6	460.7
45°	461.8	456.1	443.0	434.4	431.5
47.5°	433.8	425.3	413.3	404.7	400.7
50°	404.7	396.7	384.1	375.0	372.1
52.5°	374.4	367.5	355.0	345.8	342.4
55°	344.7	337.2	324.7	316.7	313.2
57.5°	314.9	308.1	296.7	287.5	285.2
60°	284.7	278.4	266.9	259.5	256.6
62.5°	256.6	249.2	238.9	231.5	228.6
65°	226.9	220.6	212.1	204.1	202.3
67.5°	199.5	194.9	184.1	178.3	178.9
70°	169.8	169.8	160.0	154.3	161.8
72.5°	143.5	144.0	135.5	132.0	129.2
75°	118.3	116.0	111.5	106.9	105.7
77.5°	93.2	94.3	90.3	81.7	80.6
80°	69.2	75.4	66.3	60.6	59.4
82.5°	47.4	53.7	45.7	42.9	42.3
85°	29.2	30.3	27.4	27.4	27.4
87.5°	12.6	14.3	13.7	13.7	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)