

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-30-L940.ies

Issue Date: 2/27/2025

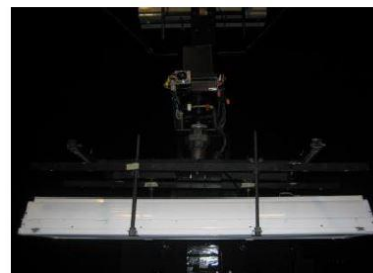
Test Information

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-30-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 3000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2251.8 lumens
Efficiency: N/A
Efficacy: 70.8 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

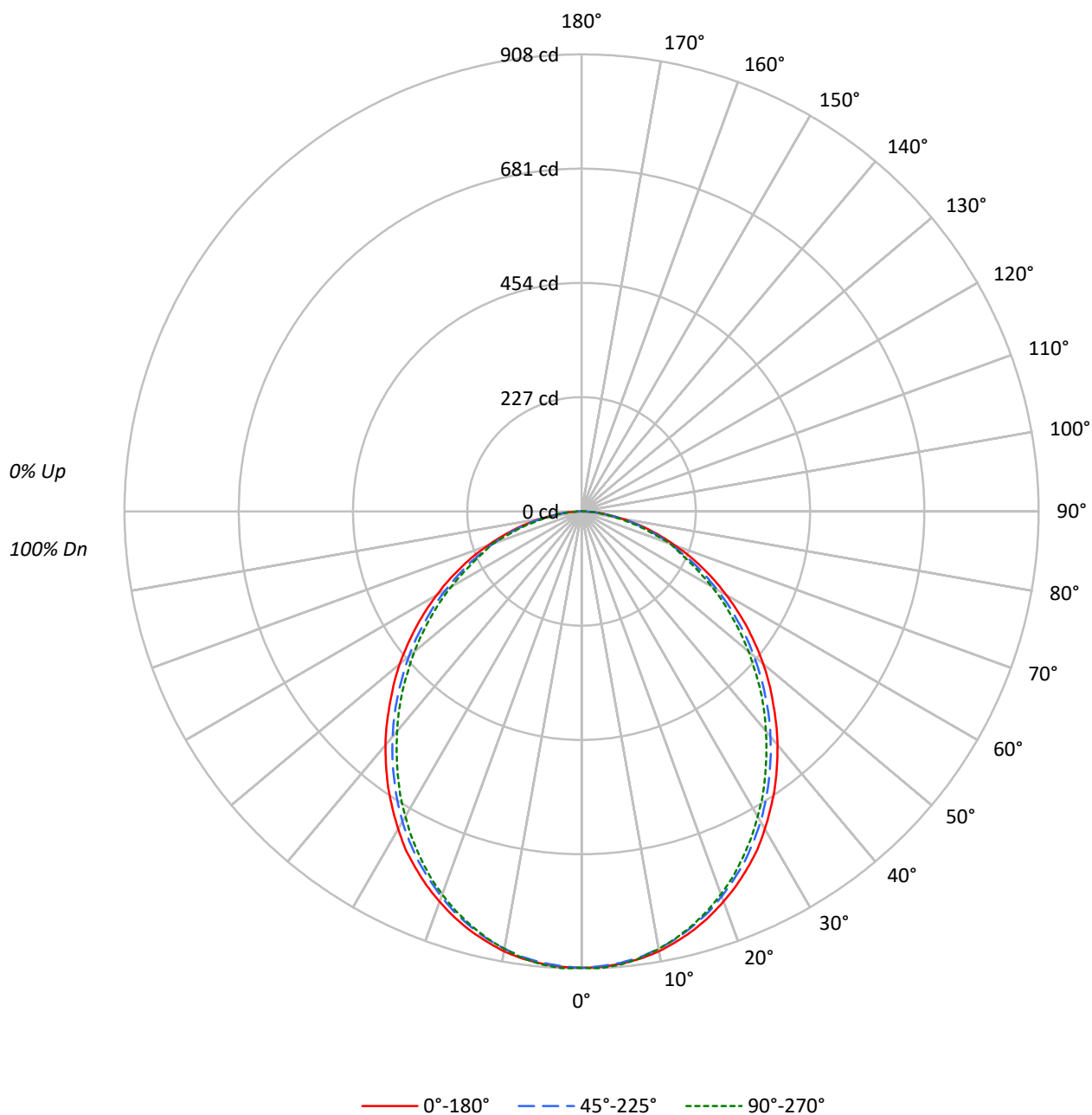
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2440	2440	2440
5°	2437	2431	2441
10°	2425	2411	2412
15°	2398	2378	2371
20°	2362	2332	2318
25°	2319	2277	2252
30°	2263	2211	2174
35°	2200	2132	2091
40°	2128	2051	2002
45°	2047	1964	1913
50°	1973	1873	1814
55°	1884	1774	1712
60°	1785	1673	1609
65°	1683	1573	1501
70°	1555	1467	1482
75°	1433	1350	1281
80°	1249	1196	1072
85°	1050	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.8
10°-20°	240.9	10.7
20°-30°	353.6	15.7
30°-40°	407.2	18.1
40°-50°	399.7	17.8
50°-60°	340.8	15.1
60°-70°	246.5	10.9
70°-80°	138.6	6.2
80°-90°	38.8	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°	680.1	30.2
0°-40°	1087.3	48.3
0°-60°	1827.9	81.2
0°-90°	2251.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2251.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	907	907	907	907	907	
5°	902	903	900	903	904	86
15°	861	860	854	852	851	243
25°	781	775	767	761	758	360
35°	670	662	649	640	636	418
45°	538	531	516	506	503	416
55°	402	393	378	369	365	359
65°	264	257	247	238	236	262
75°	138	135	130	124	123	146
85°	34	35	32	32	32	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	906.8	906.8	906.8	906.8	906.8
2.5°	905.5	906.1	904.1	907.5	908.1
5°	902.1	902.8	900.1	902.8	903.5
7.5°	896.1	896.1	892.8	894.8	894.8
10°	887.5	886.2	882.2	882.8	882.8
12.5°	874.8	874.8	869.5	869.5	868.2
15°	860.9	859.5	853.5	852.2	850.9
17.5°	844.2	842.2	835.6	832.9	831.6
20°	824.9	821.6	814.3	810.9	809.6
22.5°	804.3	799.6	791.0	787.0	785.6
25°	781.0	775.0	767.0	761.0	758.3
27.5°	757.0	751.0	739.7	733.0	730.4
30°	728.4	722.4	711.7	703.7	699.7
32.5°	699.1	693.7	681.1	672.4	669.8
35°	669.8	661.8	649.1	640.5	636.5
37.5°	637.8	631.2	617.2	607.9	603.2
40°	605.9	599.2	583.9	573.9	569.9
42.5°	572.6	563.9	550.6	540.0	536.6
45°	538.0	531.3	516.0	506.0	502.7
47.5°	505.3	495.3	481.4	471.4	466.7
50°	471.4	462.1	447.4	436.8	433.4
52.5°	436.1	428.1	413.5	402.8	398.8
55°	401.5	392.8	378.2	368.8	364.9
57.5°	366.8	358.9	345.5	334.9	332.2
60°	331.6	324.2	310.9	302.3	298.9
62.5°	298.9	290.3	278.3	269.6	266.3
65°	264.3	257.0	247.0	237.7	235.7
67.5°	232.4	227.0	214.4	207.7	208.4
70°	197.7	197.7	186.4	179.8	188.4
72.5°	167.1	167.8	157.8	153.8	150.5
75°	137.8	135.2	129.8	124.5	123.2
77.5°	108.5	109.9	105.2	95.2	93.9
80°	80.6	87.9	77.2	70.6	69.2
82.5°	55.3	62.6	53.3	49.9	49.3
85°	34.0	35.3	32.0	32.0	32.0
87.5°	14.6	16.6	16.0	16.0	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)