

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-35-L940.ies

Issue Date: 2/27/2025

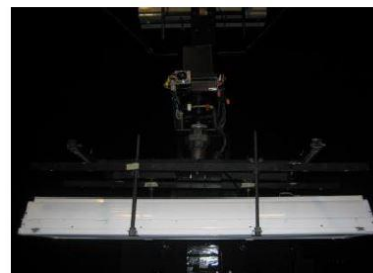
Test Information

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-35-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2590.2 lumens
Efficiency: N/A
Efficacy: 68.5 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

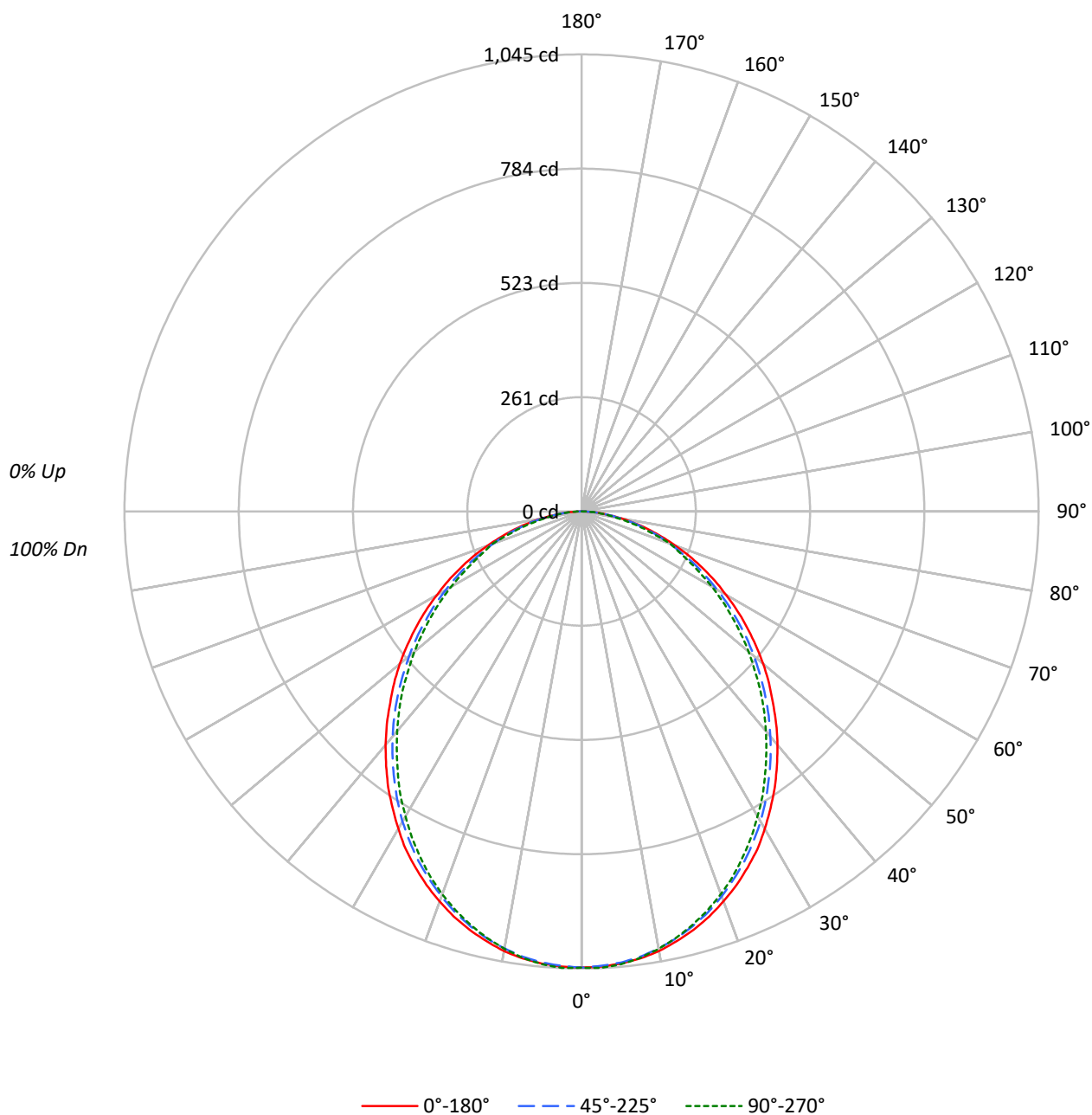
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2807	2807	2807
5°	2803	2797	2807
10°	2790	2773	2775
15°	2759	2735	2727
20°	2717	2682	2667
25°	2667	2619	2590
30°	2603	2544	2501
35°	2531	2453	2405
40°	2448	2359	2303
45°	2355	2259	2200
50°	2270	2154	2087
55°	2167	2041	1969
60°	2053	1925	1851
65°	1936	1809	1726
70°	1790	1687	1705
75°	1648	1552	1473
80°	1437	1376	1234
85°	1207	1136	1136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2355 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.8
10°-20°	277.1	10.7
20°-30°	406.7	15.7
30°-40°	468.4	18.1
40°-50°	459.8	17.8
50°-60°	392.0	15.1
60°-70°	283.6	10.9
70°-80°	159.5	6.2
80°-90°	44.6	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°	782.3	30.2
0°-40°	1250.7	48.3
0°-60°	2102.5	81.2
0°-90°	2590.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2590.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1038	1038	1035	1038	1039	99
15°	990	989	982	980	979	279
25°	898	891	882	875	872	414
35°	770	761	747	737	732	481
45°	619	611	594	582	578	478
55°	462	452	435	424	420	413
65°	304	296	284	273	271	302
75°	158	156	149	143	142	168
85°	39	41	37	37	37	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1043.1	1043.1	1043.1	1043.1	1043.1
2.5°	1041.5	1042.3	1040.0	1043.8	1044.6
5°	1037.7	1038.5	1035.4	1038.5	1039.2
7.5°	1030.8	1030.8	1027.0	1029.3	1029.3
10°	1020.9	1019.3	1014.7	1015.5	1015.5
12.5°	1006.3	1006.3	1000.2	1000.2	998.7
15°	990.2	988.7	981.8	980.3	978.7
17.5°	971.1	968.8	961.1	958.1	956.5
20°	948.9	945.0	936.6	932.8	931.3
22.5°	925.1	919.8	909.8	905.2	903.7
25°	898.3	891.4	882.2	875.4	872.3
27.5°	870.8	863.9	850.8	843.2	840.1
30°	837.8	830.9	818.7	809.5	804.9
32.5°	804.1	798.0	783.5	773.5	770.4
35°	770.4	761.2	746.7	736.7	732.1
37.5°	733.7	726.0	709.9	699.2	693.9
40°	696.9	689.3	671.6	660.2	655.6
42.5°	658.6	648.7	633.4	621.1	617.3
45°	618.8	611.1	593.5	582.0	578.2
47.5°	581.3	569.8	553.7	542.2	536.9
50°	542.2	531.5	514.6	502.4	498.6
52.5°	501.6	492.4	475.6	463.3	458.7
55°	461.8	451.8	435.0	424.3	419.7
57.5°	422.0	412.8	397.5	385.2	382.2
60°	381.4	373.0	357.6	347.7	343.9
62.5°	343.9	333.9	320.1	310.2	306.3
65°	304.0	295.6	284.1	273.4	271.1
67.5°	267.3	261.2	246.6	238.9	239.7
70°	227.5	227.5	214.4	206.8	216.7
72.5°	192.2	193.0	181.5	176.9	173.1
75°	158.5	155.5	149.3	143.2	141.7
77.5°	124.8	126.4	121.0	109.5	108.0
80°	92.7	101.1	88.8	81.2	79.6
82.5°	63.6	72.0	61.3	57.4	56.7
85°	39.1	40.6	36.8	36.8	36.8
87.5°	16.8	19.1	18.4	18.4	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)