

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-L840.ies

Issue Date: 2/27/2025

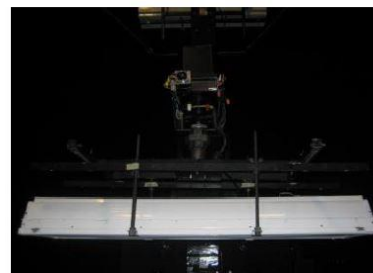
Test Information

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-L840.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3068.1 lumens
Efficiency: N/A
Efficacy: 81.2 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

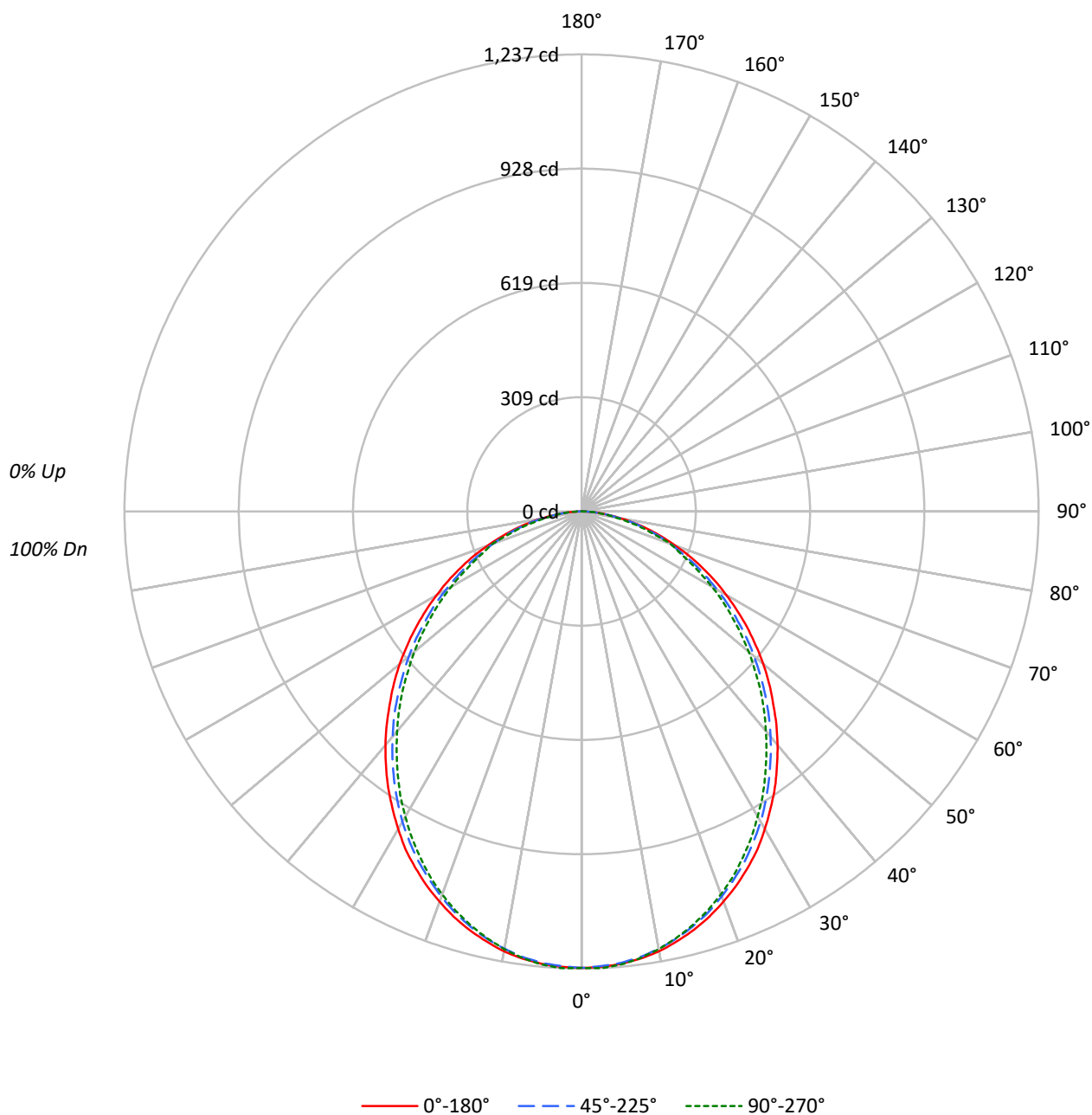
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3325	3325	3325
5°	3320	3313	3325
10°	3304	3284	3287
15°	3268	3240	3230
20°	3218	3177	3159
25°	3159	3103	3068
30°	3084	3013	2962
35°	2998	2906	2849
40°	2900	2795	2728
45°	2790	2675	2606
50°	2689	2552	2472
55°	2566	2418	2332
60°	2432	2280	2192
65°	2293	2143	2045
70°	2120	1998	2020
75°	1953	1839	1745
80°	1702	1630	1461
85°	1430	1343	1343

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	3.8
10°-20°	328.3	10.7
20°-30°	481.8	15.7
30°-40°	554.8	18.1
40°-50°	544.7	17.8
50°-60°	464.4	15.1
60°-70°	335.9	10.9
70°-80°	188.9	6.2
80°-90°	52.8	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°	926.6	30.2
0°-40°	1481.4	48.3
0°-60°	2490.5	81.2
0°-90°	3068.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3068.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1229	1230	1226	1230	1231	117
15°	1173	1171	1163	1161	1159	331
25°	1064	1056	1045	1037	1033	490
35°	913	902	884	873	867	570
45°	733	724	703	689	685	566
55°	547	535	515	503	497	489
65°	360	350	336	324	321	357
75°	188	184	177	170	168	199
85°	46	48	44	44	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1233.7	1234.6	1231.9	1236.4	1237.3
5°	1229.2	1230.1	1226.5	1230.1	1231.0
7.5°	1221.0	1221.0	1216.5	1219.2	1219.2
10°	1209.2	1207.4	1202.0	1202.9	1202.9
12.5°	1192.0	1192.0	1184.7	1184.7	1182.9
15°	1172.9	1171.1	1163.0	1161.1	1159.3
17.5°	1150.3	1147.5	1138.5	1134.8	1133.0
20°	1123.9	1119.4	1109.4	1104.9	1103.1
22.5°	1095.8	1089.5	1077.7	1072.2	1070.4
25°	1064.1	1055.9	1045.0	1036.9	1033.2
27.5°	1031.4	1023.3	1007.8	998.8	995.1
30°	992.4	984.2	969.7	958.8	953.4
32.5°	952.5	945.2	928.0	916.2	912.6
35°	912.6	901.7	884.5	872.7	867.2
37.5°	869.0	860.0	840.9	828.2	821.9
40°	825.5	816.4	795.6	782.0	776.5
42.5°	780.1	768.3	750.2	735.7	731.2
45°	733.0	723.9	703.0	689.4	684.9
47.5°	688.5	674.9	655.9	642.3	635.9
50°	642.3	629.6	609.6	595.1	590.5
52.5°	594.2	583.3	563.3	548.8	543.4
55°	547.0	535.2	515.3	502.6	497.1
57.5°	499.8	488.9	470.8	456.3	452.7
60°	451.8	441.8	423.6	411.8	407.3
62.5°	407.3	395.5	379.2	367.4	362.9
65°	360.1	350.2	336.5	323.8	321.1
67.5°	316.6	309.3	292.1	283.0	283.9
70°	269.4	269.4	254.0	244.9	256.7
72.5°	227.7	228.6	215.0	209.5	205.0
75°	187.8	184.1	176.9	169.6	167.8
77.5°	147.9	149.7	143.3	129.7	127.9
80°	109.8	119.7	105.2	96.2	94.3
82.5°	75.3	85.3	72.6	68.0	67.1
85°	46.3	48.1	43.5	43.5	43.5
87.5°	20.0	22.7	21.8	21.8	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)