

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-L935.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-L935.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3195.9 lumens
Efficiency: N/A
Efficacy: 65.8 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

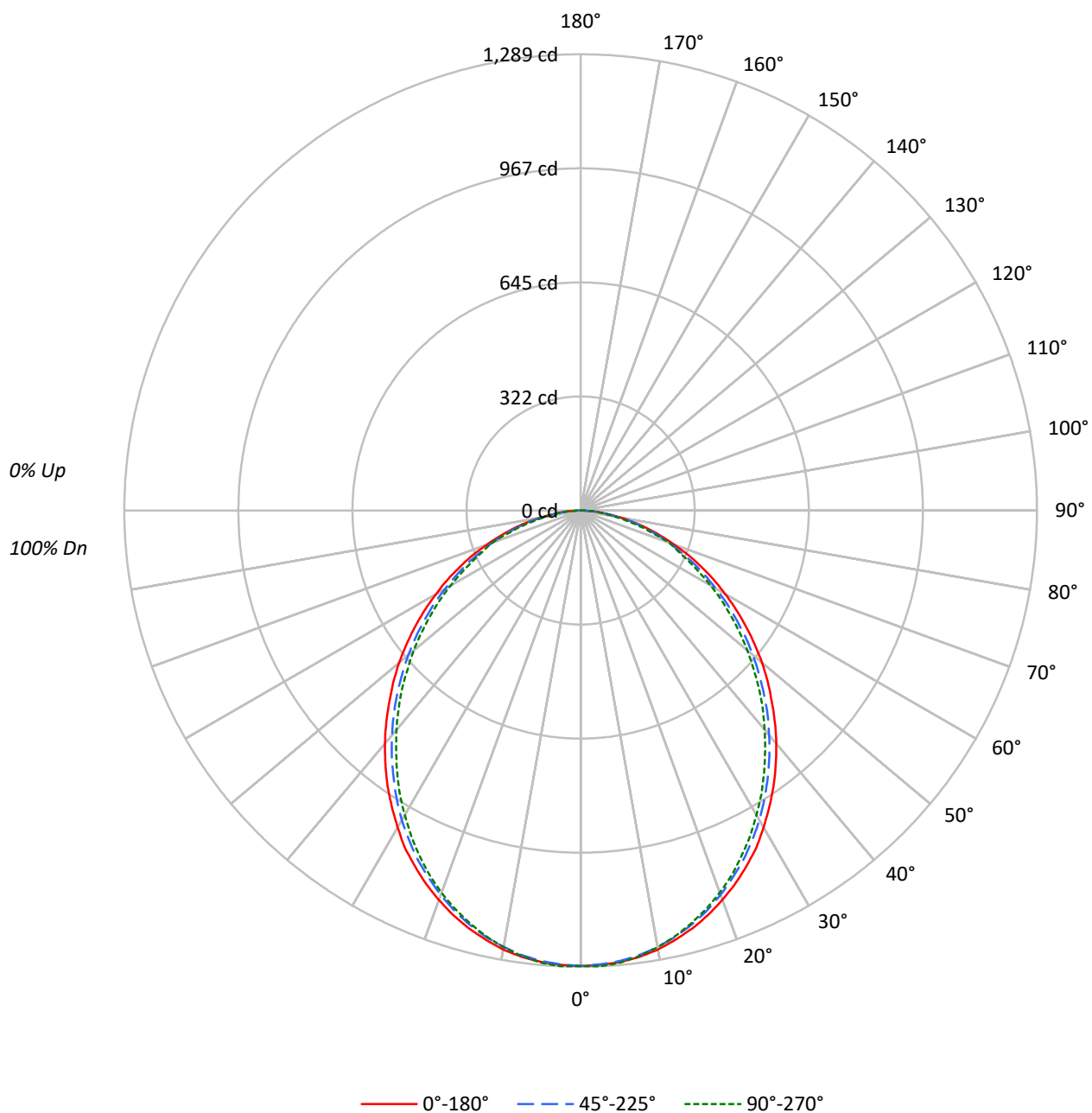
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	3463	3463	3463
5°	3459	3451	3464
10°	3442	3421	3424
15°	3404	3375	3364
20°	3353	3309	3290
25°	3291	3232	3196
30°	3212	3139	3086
35°	3123	3027	2968
40°	3021	2911	2842
45°	2906	2787	2715
50°	2801	2658	2575
55°	2673	2518	2429
60°	2533	2375	2284
65°	2388	2232	2130
70°	2208	2082	2104
75°	2034	1916	1817
80°	1771	1698	1523
85°	1488	1402	1402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2906 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.8
10°-20°	342.0	10.7
20°-30°	501.8	15.7
30°-40°	578.0	18.1
40°-50°	567.3	17.8
50°-60°	483.7	15.1
60°-70°	349.9	10.9
70°-80°	196.8	6.2
80°-90°	55.0	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°	965.2	30.2
0°-40°	1543.1	48.3
0°-60°	2594.2	81.2
0°-90°	3195.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3195.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1280	1281	1278	1281	1282	122
15°	1222	1220	1211	1210	1208	344
25°	1108	1100	1089	1080	1076	510
35°	951	939	921	909	903	594
45°	764	754	732	718	713	590
55°	570	558	537	524	518	510
65°	375	365	351	337	334	372
75°	196	192	184	177	175	207
85°	48	50	45	45	45	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1287.0	1287.0	1287.0	1287.0	1287.0
2.5°	1285.1	1286.0	1283.2	1287.9	1288.9
5°	1280.4	1281.3	1277.5	1281.3	1282.3
7.5°	1271.9	1271.9	1267.1	1270.0	1270.0
10°	1259.6	1257.7	1252.0	1253.0	1253.0
12.5°	1241.6	1241.6	1234.1	1234.1	1232.2
15°	1221.8	1219.9	1211.4	1209.5	1207.6
17.5°	1198.2	1195.3	1185.9	1182.1	1180.2
20°	1170.8	1166.0	1155.6	1150.9	1149.0
22.5°	1141.5	1134.9	1122.6	1116.9	1115.0
25°	1108.4	1099.9	1088.6	1080.1	1076.3
27.5°	1074.4	1065.9	1049.8	1040.4	1036.6
30°	1033.8	1025.2	1010.1	998.8	993.1
32.5°	992.2	984.6	966.7	954.4	950.6
35°	950.6	939.3	921.3	909.0	903.4
37.5°	905.2	895.8	875.9	862.7	856.1
40°	859.9	850.4	828.7	814.5	808.9
42.5°	812.6	800.4	781.5	766.3	761.6
45°	763.5	754.1	732.3	718.1	713.4
47.5°	717.2	703.0	683.2	669.0	662.4
50°	669.0	655.8	635.0	619.9	615.1
52.5°	618.9	607.6	586.8	571.7	566.0
55°	569.8	557.5	536.7	523.5	517.8
57.5°	520.7	509.3	490.4	475.3	471.5
60°	470.6	460.2	441.3	429.0	424.3
62.5°	424.3	412.0	395.0	382.7	378.0
65°	375.1	364.7	350.6	337.3	334.5
67.5°	329.8	322.2	304.3	294.8	295.8
70°	280.6	280.6	264.6	255.1	267.4
72.5°	237.2	238.1	223.9	218.3	213.6
75°	195.6	191.8	184.3	176.7	174.8
77.5°	154.0	155.9	149.3	135.1	133.2
80°	114.3	124.7	109.6	100.2	98.3
82.5°	78.4	88.8	75.6	70.9	69.9
85°	48.2	50.1	45.4	45.4	45.4
87.5°	20.8	23.6	22.7	22.7	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)