

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-L930.ies

Issue Date: 2/27/2025

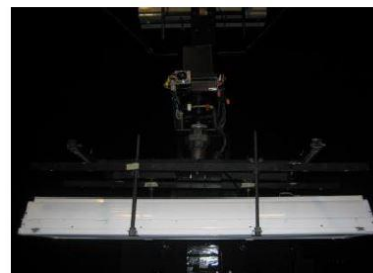
Test Information

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-L930.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3154.5 lumens
Efficiency: N/A
Efficacy: 64.9 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

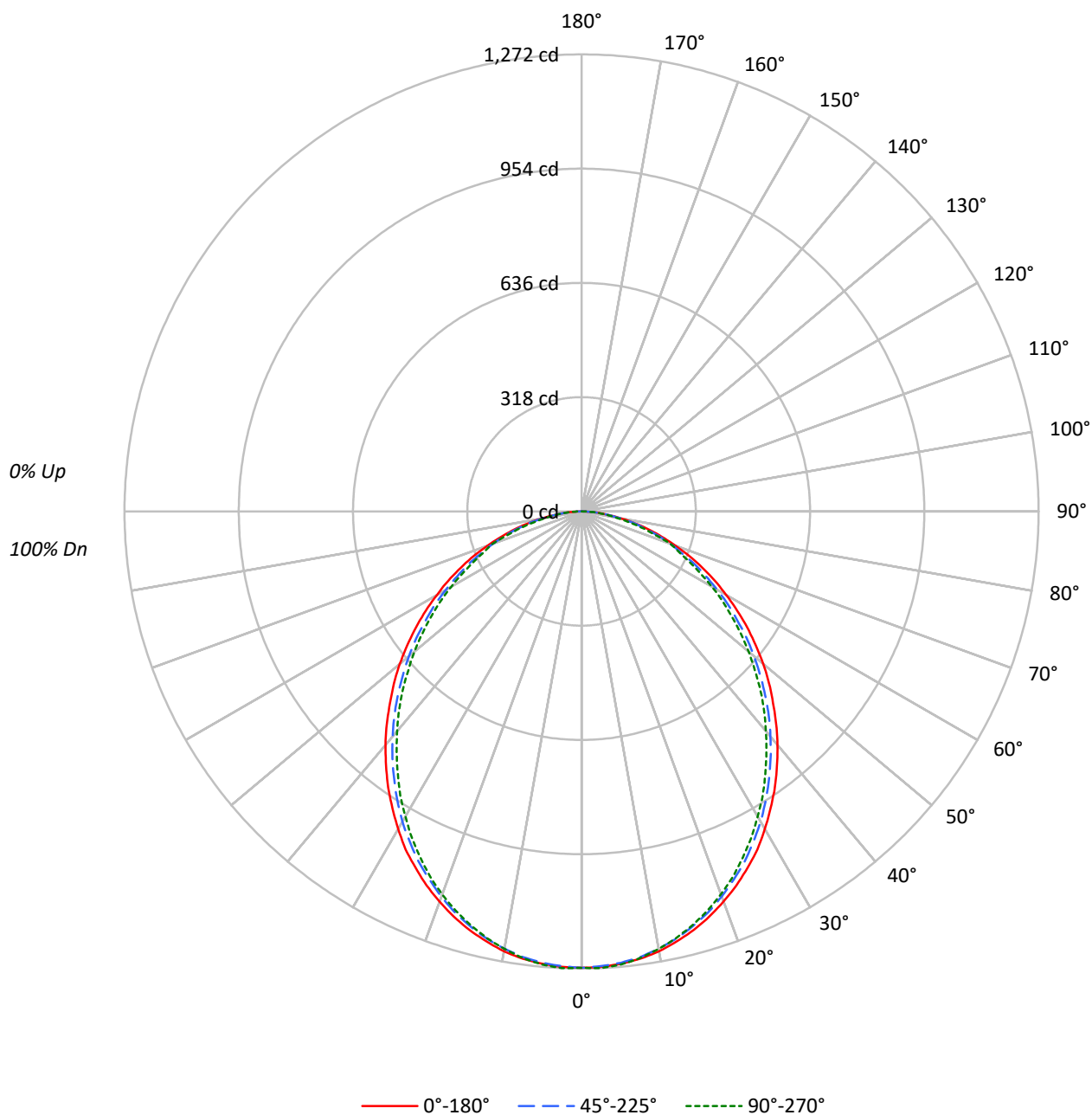
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	3418	3418	3418
5°	3414	3406	3419
10°	3397	3377	3379
15°	3360	3331	3321
20°	3309	3267	3248
25°	3248	3190	3154
30°	3171	3098	3046
35°	3082	2987	2929
40°	2981	2873	2805
45°	2868	2751	2680
50°	2764	2624	2542
55°	2639	2486	2398
60°	2500	2344	2254
65°	2358	2203	2103
70°	2179	2055	2077
75°	2008	1891	1794
80°	1750	1677	1503
85°	1470	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2868 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.8
10°-20°	337.5	10.7
20°-30°	495.3	15.7
30°-40°	570.5	18.1
40°-50°	560.0	17.8
50°-60°	477.5	15.1
60°-70°	345.4	10.9
70°-80°	194.2	6.2
80°-90°	54.3	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°	952.7	30.2
0°-40°	1523.2	48.3
0°-60°	2560.6	81.2
0°-90°	3154.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3154.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1264	1265	1261	1265	1266	120
15°	1206	1204	1196	1194	1192	340
25°	1094	1086	1074	1066	1062	504
35°	938	927	909	897	892	586
45°	754	744	723	709	704	582
55°	562	550	530	517	511	503
65°	370	360	346	333	330	367
75°	193	189	182	174	172	204
85°	48	49	45	45	45	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1270.3	1270.3	1270.3	1270.3	1270.3
2.5°	1268.5	1269.4	1266.6	1271.3	1272.2
5°	1263.8	1264.7	1261.0	1264.7	1265.7
7.5°	1255.4	1255.4	1250.7	1253.5	1253.5
10°	1243.3	1241.4	1235.8	1236.7	1236.7
12.5°	1225.6	1225.6	1218.1	1218.1	1216.2
15°	1206.0	1204.1	1195.7	1193.8	1192.0
17.5°	1182.6	1179.8	1170.5	1166.8	1164.9
20°	1155.6	1150.9	1140.7	1136.0	1134.1
22.5°	1126.7	1120.2	1108.0	1102.4	1100.6
25°	1094.0	1085.6	1074.5	1066.1	1062.3
27.5°	1060.5	1052.1	1036.2	1026.9	1023.2
30°	1020.4	1012.0	997.0	985.9	980.3
32.5°	979.3	971.9	954.1	942.0	938.3
35°	938.3	927.1	909.4	897.2	891.6
37.5°	893.5	884.2	864.6	851.5	845.0
40°	848.7	839.4	818.0	804.0	798.4
42.5°	802.1	790.0	771.3	756.4	751.7
45°	753.6	744.3	722.8	708.8	704.2
47.5°	707.9	693.9	674.3	660.3	653.8
50°	660.3	647.3	626.8	611.8	607.2
52.5°	610.9	599.7	579.2	564.3	558.7
55°	562.4	550.3	529.8	516.7	511.1
57.5°	513.9	502.7	484.1	469.1	465.4
60°	464.5	454.2	435.6	423.4	418.8
62.5°	418.8	406.7	389.9	377.7	373.1
65°	370.3	360.0	346.0	333.0	330.2
67.5°	325.5	318.0	300.3	291.0	291.9
70°	277.0	277.0	261.2	251.8	264.0
72.5°	234.1	235.0	221.0	215.5	210.8
75°	193.1	189.3	181.9	174.4	172.5
77.5°	152.0	153.9	147.4	133.4	131.5
80°	112.9	123.1	108.2	98.9	97.0
82.5°	77.4	87.7	74.6	70.0	69.0
85°	47.6	49.4	44.8	44.8	44.8
87.5°	20.5	23.3	22.4	22.4	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)