

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-L940.ies

Issue Date: 2/27/2025

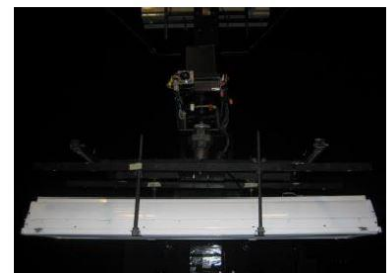
Test Information

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-40-L940.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 4000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

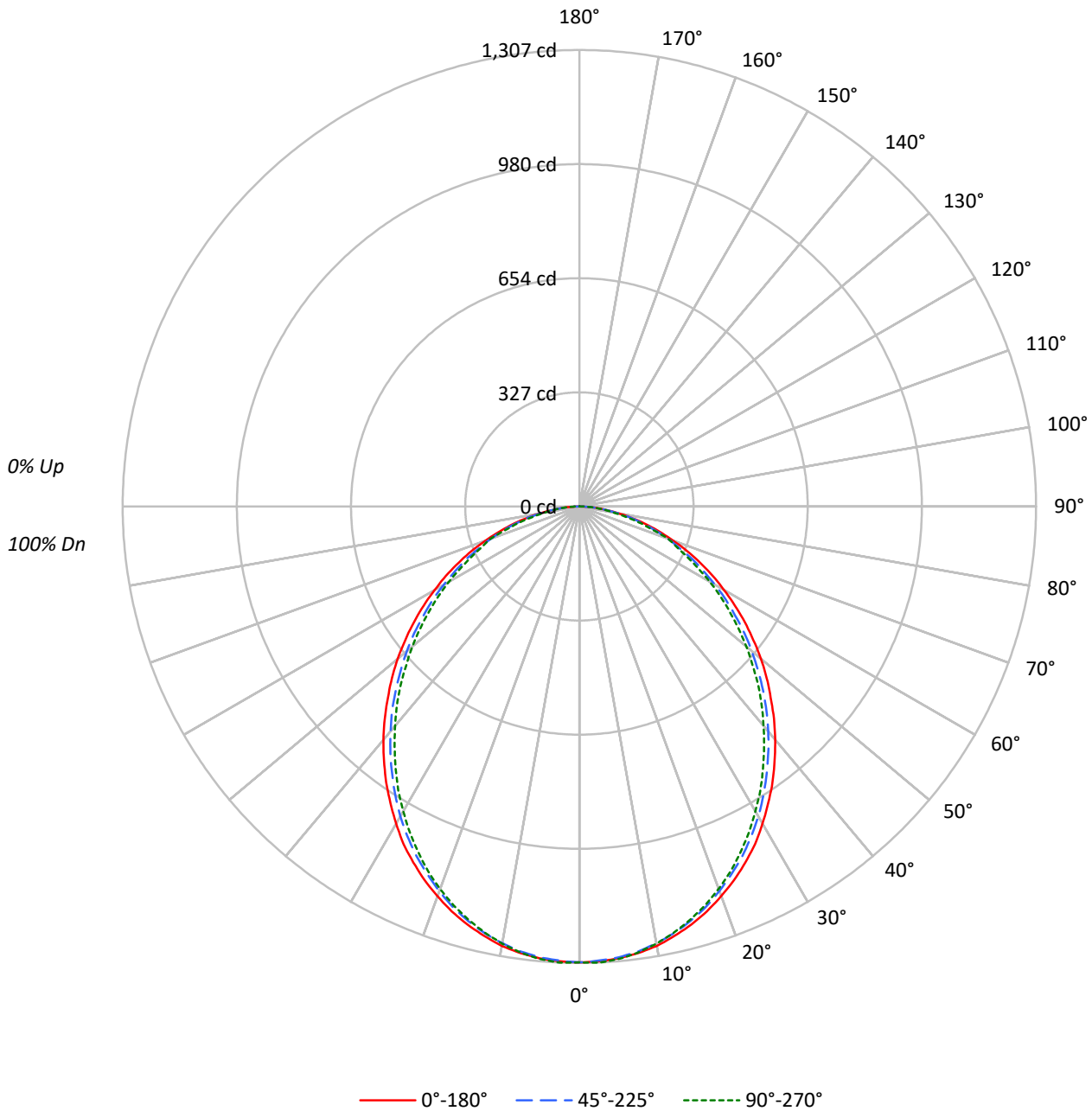
Lumens per Lamp: N/A
Luminaire Lumens: 3241.8 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	3513	3513	3513
5°	3508	3501	3514
10°	3491	3470	3473
15°	3453	3423	3413
20°	3401	3357	3338
25°	3338	3279	3241
30°	3258	3184	3130
35°	3167	3070	3010
40°	3064	2953	2882
45°	2947	2827	2754
50°	2841	2696	2612
55°	2712	2554	2464
60°	2569	2409	2316
65°	2423	2264	2160
70°	2240	2112	2135
75°	2063	1943	1843
80°	1798	1723	1545
85°	1510	1420	1420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2947 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.8
10°-20°	346.9	10.7
20°-30°	509.0	15.7
30°-40°	586.2	18.1
40°-50°	575.5	17.8
50°-60°	490.7	15.1
60°-70°	355.0	10.9
70°-80°	199.6	6.2
80°-90°	55.8	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°	979.0	30.2
0°-40°	1565.3	48.3
0°-60°	2631.5	81.2
0°-90°	3241.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3241.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1306	1306	1306	1306	1306	
5°	1299	1300	1296	1300	1301	123
15°	1239	1237	1229	1227	1225	349
25°	1124	1116	1104	1096	1092	518
35°	964	953	934	922	916	602
45°	774	765	743	728	724	598
55°	578	566	544	531	525	517
65°	380	370	356	342	339	378
75°	198	195	187	179	177	210
85°	49	51	46	46	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1305.5	1305.5	1305.5	1305.5	1305.5
2.5°	1303.6	1304.5	1301.6	1306.4	1307.4
5°	1298.8	1299.7	1295.9	1299.7	1300.7
7.5°	1290.1	1290.1	1285.3	1288.2	1288.2
10°	1277.7	1275.8	1270.0	1271.0	1271.0
12.5°	1259.5	1259.5	1251.8	1251.8	1249.9
15°	1239.3	1237.4	1228.8	1226.9	1225.0
17.5°	1215.4	1212.5	1202.9	1199.1	1197.2
20°	1187.6	1182.8	1172.2	1167.5	1165.5
22.5°	1157.9	1151.2	1138.7	1132.9	1131.0
25°	1124.3	1115.7	1104.2	1095.6	1091.7
27.5°	1089.8	1081.2	1064.9	1055.3	1051.5
30°	1048.6	1040.0	1024.6	1013.1	1007.4
32.5°	1006.4	998.8	980.5	968.1	964.2
35°	964.2	952.7	934.5	922.1	916.3
37.5°	918.2	908.7	888.5	875.1	868.4
40°	872.2	862.6	840.6	826.2	820.5
42.5°	824.3	811.8	792.7	777.3	772.6
45°	774.5	764.9	742.8	728.5	723.7
47.5°	727.5	713.1	693.0	678.6	671.9
50°	678.6	665.2	644.1	628.8	624.0
52.5°	627.8	616.3	595.2	579.9	574.1
55°	578.0	565.5	544.4	531.0	525.3
57.5°	528.1	516.6	497.5	482.1	478.3
60°	477.3	466.8	447.6	435.2	430.4
62.5°	430.4	417.9	400.7	388.2	383.4
65°	380.5	370.0	355.6	342.2	339.3
67.5°	334.5	326.8	308.6	299.1	300.0
70°	284.7	284.7	268.4	258.8	271.3
72.5°	240.6	241.5	227.2	221.4	216.6
75°	198.4	194.6	186.9	179.2	177.3
77.5°	156.2	158.2	151.4	137.1	135.1
80°	116.0	126.5	111.2	101.6	99.7
82.5°	79.6	90.1	76.7	71.9	70.9
85°	48.9	50.8	46.0	46.0	46.0
87.5°	21.1	24.0	23.0	23.0	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)