

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-L835.ies

Issue Date: 2/27/2025

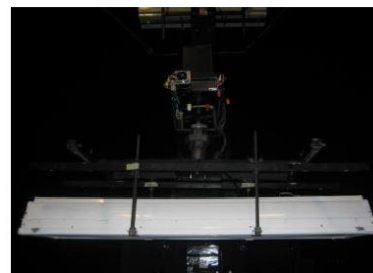
Test Information

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-L835.ies
Description: 1x4 D3X-LP ROUND PERF AT 4000lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3819.6 lumens
Efficiency: N/A
Efficacy: 78.6 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

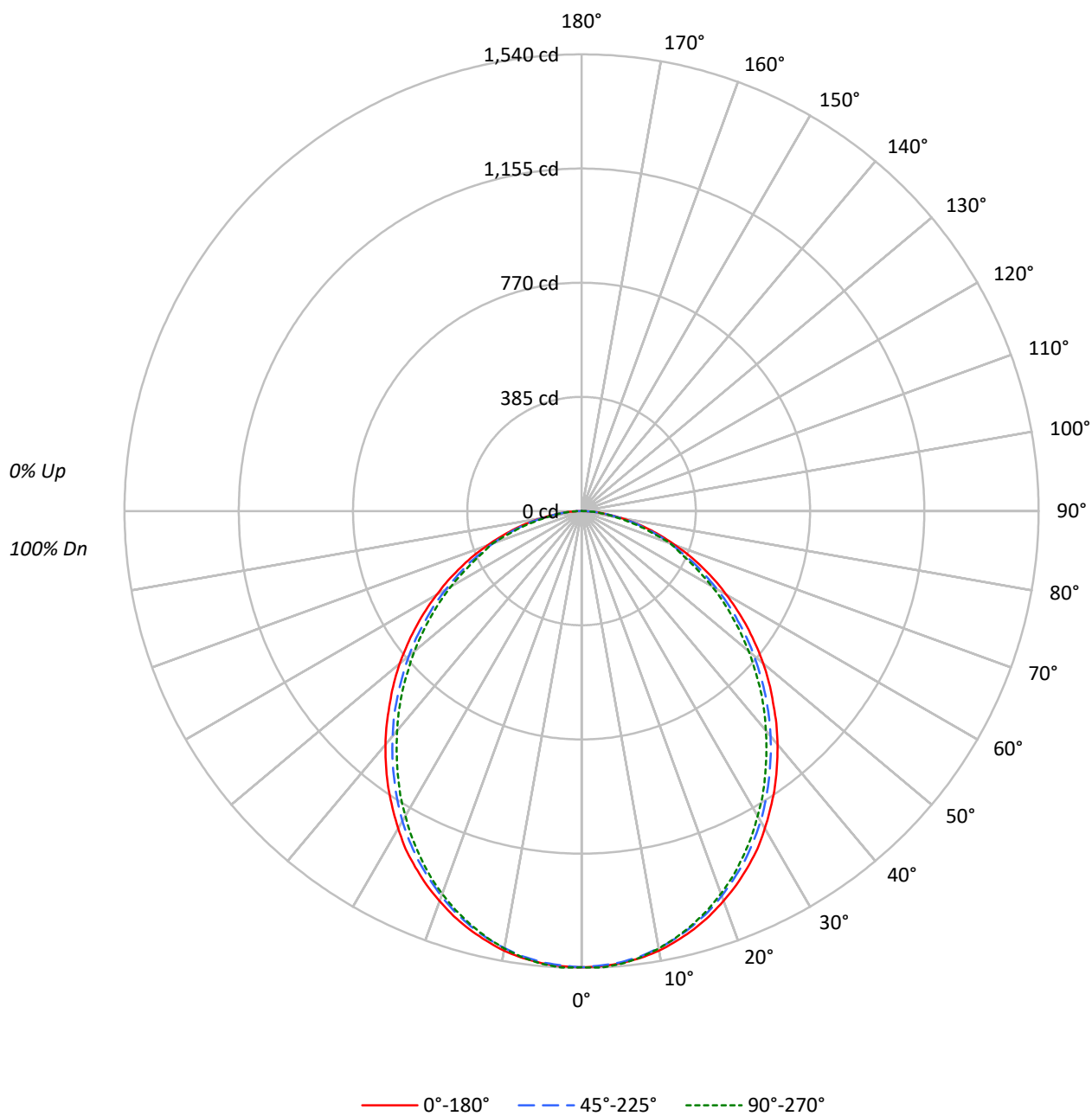
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	4139	4139	4139
5°	4134	4125	4140
10°	4113	4089	4092
15°	4068	4033	4021
20°	4007	3955	3933
25°	3933	3863	3819
30°	3839	3751	3688
35°	3732	3617	3547
40°	3610	3479	3396
45°	3473	3331	3245
50°	3347	3177	3078
55°	3195	3010	2904
60°	3027	2838	2729
65°	2855	2668	2546
70°	2639	2488	2515
75°	2431	2289	2172
80°	2117	2030	1821
85°	1778	1673	1673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	3.8
10°-20°	408.7	10.7
20°-30°	599.8	15.7
30°-40°	690.7	18.1
40°-50°	678.1	17.8
50°-60°	578.1	15.1
60°-70°	418.2	10.9
70°-80°	235.2	6.2
80°-90°	65.7	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°	1153.5	30.2
0°-40°	1844.3	48.3
0°-60°	3100.5	81.2
0°-90°	3819.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3819.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1538	1538	1538	1538	1538	
5°	1530	1531	1527	1531	1532	145
15°	1460	1458	1448	1446	1443	412
25°	1325	1314	1301	1291	1286	610
35°	1136	1123	1101	1086	1080	710
45°	912	901	875	858	853	705
55°	681	666	642	626	619	609
65°	448	436	419	403	400	445
75°	234	229	220	211	209	247
85°	58	60	54	54	54	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1538.2	1538.2	1538.2	1538.2	1538.2
2.5°	1535.9	1537.0	1533.6	1539.3	1540.4
5°	1530.3	1531.4	1526.9	1531.4	1532.5
7.5°	1520.1	1520.1	1514.4	1517.8	1517.8
10°	1505.4	1503.1	1496.4	1497.5	1497.5
12.5°	1483.9	1483.9	1474.9	1474.9	1472.7
15°	1460.2	1458.0	1447.8	1445.6	1443.3
17.5°	1432.0	1428.6	1417.3	1412.8	1410.5
20°	1399.2	1393.6	1381.2	1375.5	1373.3
22.5°	1364.2	1356.3	1341.7	1334.9	1332.6
25°	1324.7	1314.5	1301.0	1290.8	1286.3
27.5°	1284.1	1273.9	1254.7	1243.4	1238.9
30°	1235.5	1225.3	1207.3	1193.7	1186.9
32.5°	1185.8	1176.8	1155.3	1140.6	1136.1
35°	1136.1	1122.6	1101.1	1086.4	1079.6
37.5°	1081.9	1070.6	1046.9	1031.1	1023.2
40°	1027.7	1016.4	990.4	973.5	966.7
42.5°	971.2	956.5	934.0	915.9	910.2
45°	912.5	901.2	875.2	858.3	852.6
47.5°	857.2	840.2	816.5	799.6	791.7
50°	799.6	783.8	758.9	740.8	735.2
52.5°	739.7	726.2	701.3	683.2	676.5
55°	681.0	666.3	641.5	625.7	618.9
57.5°	622.3	608.7	586.1	568.1	563.5
60°	562.4	550.0	527.4	512.7	507.1
62.5°	507.1	492.4	472.1	457.4	451.7
65°	448.3	435.9	419.0	403.2	399.8
67.5°	394.1	385.1	363.6	352.4	353.5
70°	335.4	335.4	316.2	304.9	319.6
72.5°	283.5	284.6	267.7	260.9	255.2
75°	233.8	229.3	220.2	211.2	208.9
77.5°	184.1	186.3	178.4	161.5	159.2
80°	136.6	149.1	131.0	119.7	117.5
82.5°	93.7	106.2	90.3	84.7	83.6
85°	57.6	59.9	54.2	54.2	54.2
87.5°	24.8	28.2	27.1	27.1	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)