

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-60-L927.ies

Issue Date: 2/27/2025

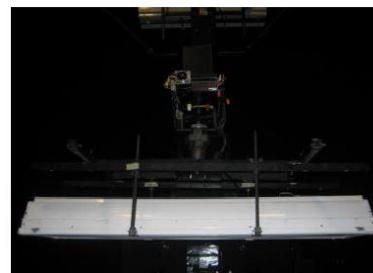
Test Information

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-60-L927.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3952.9 lumens
Efficiency: N/A
Efficacy: 55.5 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

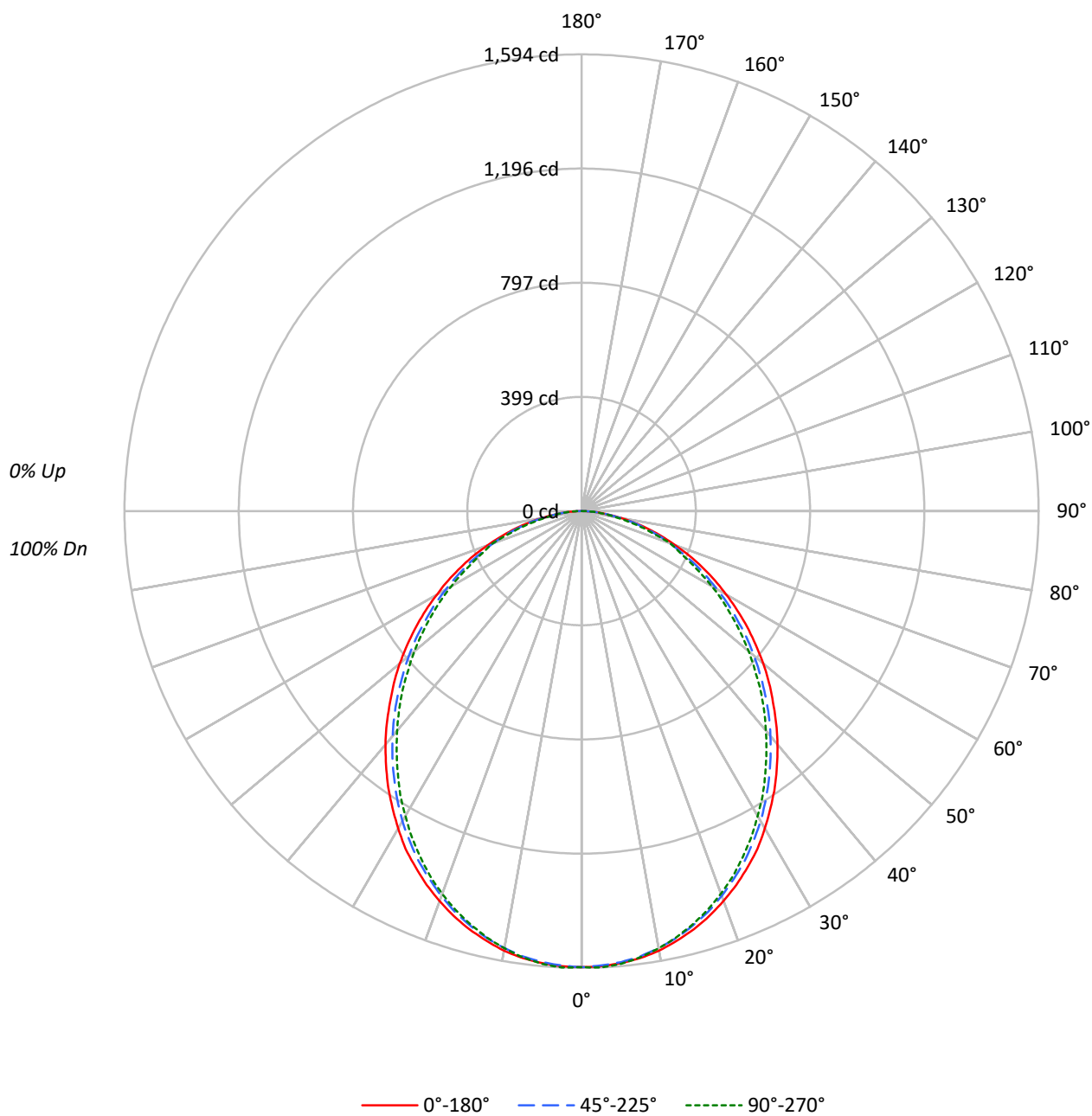
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4283	4283	4283
5°	4278	4268	4284
10°	4257	4232	4235
15°	4210	4174	4161
20°	4147	4093	4070
25°	4070	3998	3953
30°	3973	3882	3817
35°	3863	3743	3670
40°	3736	3601	3514
45°	3594	3447	3358
50°	3464	3288	3185
55°	3307	3114	3005
60°	3132	2937	2824
65°	2954	2761	2634
70°	2731	2574	2603
75°	2515	2370	2248
80°	2191	2101	1883
85°	1840	1732	1732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.2	3.8
10°-20°	423.0	10.7
20°-30°	620.7	15.7
30°-40°	714.9	18.1
40°-50°	701.7	17.8
50°-60°	598.3	15.1
60°-70°	432.8	10.9
70°-80°	243.4	6.2
80°-90°	68.0	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°	1193.8	30.2
0°-40°	1908.7	48.3
0°-60°	3208.7	81.2
0°-90°	3952.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3952.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1584	1585	1580	1585	1586	150
15°	1511	1509	1498	1496	1494	426
25°	1371	1360	1346	1336	1331	631
35°	1176	1162	1140	1124	1117	735
45°	944	933	906	888	882	730
55°	705	690	664	648	640	630
65°	464	451	434	417	414	460
75°	242	237	228	219	216	256
85°	60	62	56	56	56	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1591.8	1591.8	1591.8	1591.8	1591.8
2.5°	1589.5	1590.7	1587.2	1593.0	1594.2
5°	1583.7	1584.8	1580.1	1584.8	1586.0
7.5°	1573.1	1573.1	1567.3	1570.8	1570.8
10°	1557.9	1555.6	1548.6	1549.8	1549.8
12.5°	1535.7	1535.7	1526.4	1526.4	1524.0
15°	1511.2	1508.9	1498.3	1496.0	1493.7
17.5°	1482.0	1478.5	1466.8	1462.1	1459.8
20°	1448.1	1442.2	1429.4	1423.5	1421.2
22.5°	1411.8	1403.7	1388.5	1381.5	1379.1
25°	1370.9	1360.4	1346.4	1335.9	1331.2
27.5°	1328.9	1318.3	1298.5	1286.8	1282.1
30°	1278.6	1268.1	1249.4	1235.4	1228.4
32.5°	1227.2	1217.8	1195.6	1180.4	1175.8
35°	1175.8	1161.7	1139.5	1124.3	1117.3
37.5°	1119.7	1108.0	1083.4	1067.1	1058.9
40°	1063.6	1051.9	1025.0	1007.5	1000.4
42.5°	1005.1	989.9	966.6	947.9	942.0
45°	944.3	932.7	905.8	888.2	882.4
47.5°	887.1	869.5	845.0	827.5	819.3
50°	827.5	811.1	785.4	766.7	760.9
52.5°	765.5	751.5	725.8	707.1	700.1
55°	704.8	689.6	663.8	647.5	640.5
57.5°	644.0	630.0	606.6	587.9	583.2
60°	582.0	569.2	545.8	530.6	524.8
62.5°	524.8	509.6	488.5	473.3	467.5
65°	464.0	451.1	433.6	417.2	413.7
67.5°	407.9	398.5	376.3	364.6	365.8
70°	347.1	347.1	327.2	315.6	330.8
72.5°	293.4	294.5	277.0	270.0	264.1
75°	241.9	237.3	227.9	218.6	216.2
77.5°	190.5	192.8	184.7	167.1	164.8
80°	141.4	154.3	135.6	123.9	121.5
82.5°	97.0	109.9	93.5	87.7	86.5
85°	59.6	61.9	56.1	56.1	56.1
87.5°	25.7	29.2	28.0	28.0	29.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)