

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-45-L830.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-45-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 4500lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3984.3 lumens
Efficiency: N/A
Efficacy: 73.6 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

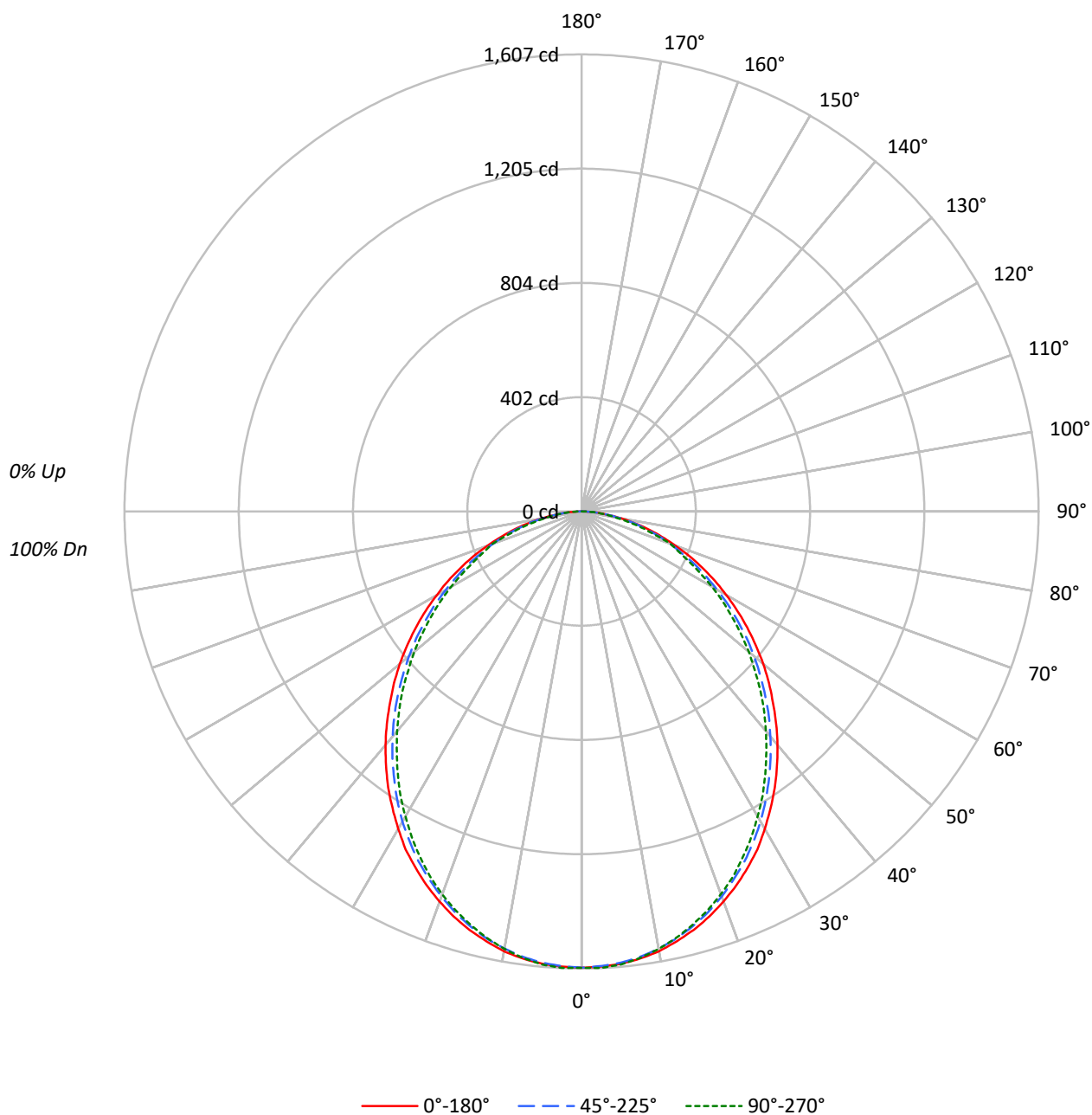
Input Watts (W): 54.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L830.ies

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	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4318	4318	4318
5°	4312	4302	4318
10°	4291	4265	4268
15°	4243	4207	4194
20°	4180	4126	4102
25°	4103	4029	3984
30°	4005	3913	3847
35°	3893	3773	3700
40°	3766	3629	3542
45°	3623	3475	3385
50°	3491	3314	3211
55°	3333	3139	3029
60°	3158	2961	2847
65°	2978	2783	2655
70°	2753	2595	2623
75°	2536	2388	2266
80°	2208	2118	1898
85°	1856	1744	1744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3623 cd/sqm

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-45-L830.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	3.8
10°-20°	426.3	10.7
20°-30°	625.6	15.7
30°-40°	720.5	18.1
40°-50°	707.3	17.8
50°-60°	603.1	15.1
60°-70°	436.2	10.9
70°-80°	245.3	6.2
80°-90°	68.6	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°	1203.3	30.2
0°-40°	1923.8	48.3
0°-60°	3234.2	81.2
0°-90°	3984.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3984.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1604	1604	1604	1604	1604	
5°	1596	1597	1593	1597	1599	152
15°	1523	1521	1510	1508	1506	429
25°	1382	1371	1357	1346	1342	636
35°	1185	1171	1149	1133	1126	740
45°	952	940	913	895	889	736
55°	710	695	669	653	646	635
65°	468	455	437	421	417	464
75°	244	239	230	220	218	258
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°	1604.5	1604.5	1604.5	1604.5	1604.5
2.5°	1602.1	1603.3	1599.8	1605.7	1606.8
5°	1596.2	1597.4	1592.7	1597.4	1598.6
7.5°	1585.6	1585.6	1579.7	1583.3	1583.3
10°	1570.3	1568.0	1560.9	1562.1	1562.1
12.5°	1547.9	1547.9	1538.5	1538.5	1536.2
15°	1523.2	1520.8	1510.2	1507.9	1505.5
17.5°	1493.7	1490.2	1478.4	1473.7	1471.4
20°	1459.6	1453.7	1440.7	1434.8	1432.5
22.5°	1423.1	1414.8	1399.5	1392.4	1390.1
25°	1381.8	1371.2	1357.1	1346.5	1341.8
27.5°	1339.4	1328.8	1308.8	1297.0	1292.3
30°	1288.8	1278.2	1259.3	1245.2	1238.1
32.5°	1236.9	1227.5	1205.1	1189.8	1185.1
35°	1185.1	1171.0	1148.6	1133.3	1126.2
37.5°	1128.6	1116.8	1092.0	1075.5	1067.3
40°	1072.0	1060.2	1033.1	1015.5	1008.4
42.5°	1013.1	997.8	974.2	955.4	949.5
45°	951.9	940.1	913.0	895.3	889.4
47.5°	894.1	876.5	851.7	834.0	825.8
50°	834.0	817.6	791.6	772.8	766.9
52.5°	771.6	757.5	731.6	712.7	705.6
55°	710.4	695.0	669.1	652.6	645.6
57.5°	649.1	635.0	611.4	592.6	587.8
60°	586.7	573.7	550.1	534.8	528.9
62.5°	528.9	513.6	492.4	477.1	471.2
65°	467.7	454.7	437.1	420.6	417.0
67.5°	411.1	401.7	379.3	367.5	368.7
70°	349.9	349.9	329.8	318.1	333.4
72.5°	295.7	296.9	279.2	272.1	266.2
75°	243.9	239.1	229.7	220.3	217.9
77.5°	192.0	194.4	186.1	168.5	166.1
80°	142.5	155.5	136.7	124.9	122.5
82.5°	97.8	110.7	94.2	88.4	87.2
85°	60.1	62.4	56.5	56.5	56.5
87.5°	25.9	29.5	28.3	28.3	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)