

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: PORTFOLIO

Report Number: P1324674

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902750DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

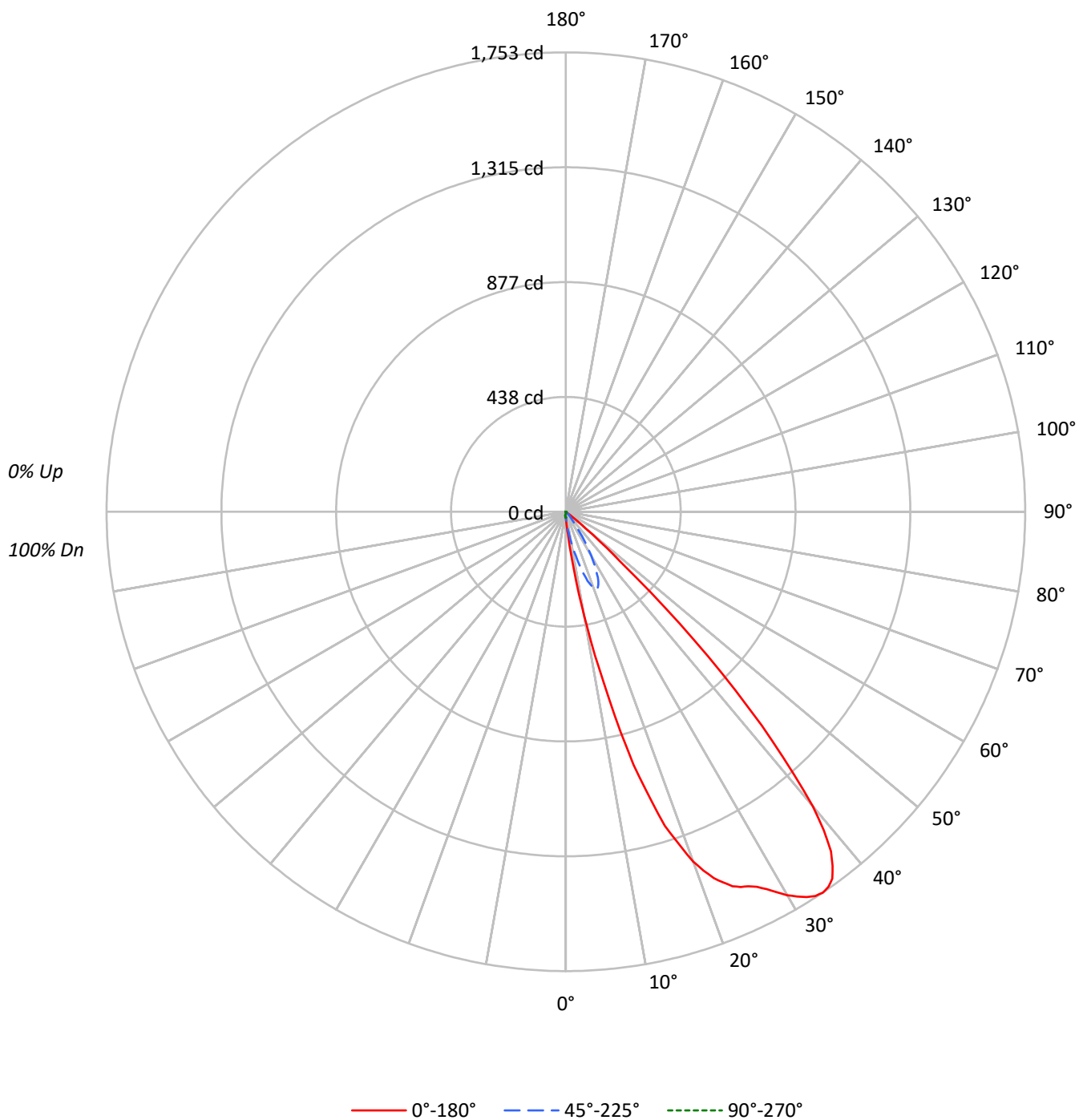
Lumens per Lamp: N/A
Luminaire Lumens: 422.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
Input Voltage (V): NR
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
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3892	3892	3892	3892	3892
5°	14107	8765	3561	1435	1020
10°	69812	20986	2763	280	0
15°	178084	39957	1765	0	0
20°	260196	56834	733	0	0
25°	300185	55773	152	0	0
30°	335964	38282	0	0	0
35°	367445	16483	0	0	0
40°	329789	6407	0	0	0
45°	168421	2606	0	0	0
50°	25989	322	0	0	0
55°	1531	0	120	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	799	0	0
80°	0	397	1190	0	0
85°	0	790	2371	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 168421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	1.1
10°-20°	56.2	13.3
20°-30°	139.0	32.9
30°-40°	159.8	37.9
40°-50°	59.3	14.0
50°-60°	2.2	0.5
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.3	0.1
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°	199.9	47.4
0°-40°	359.7	85.2
0°-60°	421.1	99.8
0°-90°	422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	422.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	23	23	23	23	23	
5°	82	51	21	8	6	18
15°	999	224	10	0	0	287
25°	1580	294	1	0	0	730
35°	1748	78	0	0	0	1060
45°	692	11	0	0	0	539
55°	5	0	0	0	0	18
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
2.5°	40.0	40.4	40.4	39.2	38.8	38.4	37.2	33.7	28.1	22.6	18.2
5°	81.6	82.0	82.0	79.6	74.8	70.1	66.1	50.7	32.5	20.6	13.5
7.5°	192.5	192.9	184.5	175.0	156.0	146.1	127.9	78.0	36.8	18.6	8.7
10°	399.2	390.5	368.7	341.0	311.7	273.7	235.2	120.0	40.0	15.8	5.5
12.5°	667.3	659.0	630.9	591.3	533.8	459.4	386.5	168.7	40.4	12.7	3.2
15°	998.8	975.4	941.7	876.0	791.3	676.0	555.6	224.1	38.8	9.9	0.8
17.5°	1255.8	1234.4	1191.6	1114.8	1009.5	881.5	733.8	276.8	34.5	6.3	0.0
20°	1419.7	1397.2	1357.2	1289.5	1177.4	1027.3	858.2	310.1	28.5	4.0	0.0
21°	1466.5	1444.7	1405.5	1338.2	1226.5	1076.8	888.7	317.2	25.7	3.2	0.0
22°	1507.7	1490.6	1454.2	1380.9	1267.3	1113.2	919.6	318.0	23.8	2.4	0.0
23°	1536.6	1524.3	1487.9	1420.5	1307.3	1142.9	936.2	313.3	21.4	1.6	0.0
24°	1564.3	1549.2	1518.0	1455.4	1339.0	1167.9	951.2	304.5	19.0	1.2	0.0
25°	1579.7	1562.3	1538.2	1479.5	1365.1	1183.7	960.4	293.5	16.6	0.8	0.0
26°	1590.4	1577.0	1550.4	1493.8	1376.2	1194.0	961.5	277.2	15.0	0.4	0.0
27°	1606.7	1593.2	1567.5	1506.5	1380.9	1192.4	954.4	258.6	13.1	0.0	0.0
28°	1631.2	1613.4	1587.7	1519.9	1382.9	1185.7	938.6	238.4	11.1	0.0	0.0
29°	1659.3	1641.1	1613.0	1537.8	1383.3	1172.2	913.6	216.2	9.9	0.0	0.0
30°	1689.4	1673.6	1645.1	1555.2	1387.7	1154.8	884.7	192.5	7.9	0.0	0.0
31°	1713.2	1698.9	1668.4	1571.0	1391.2	1139.8	849.1	168.7	6.7	0.0	0.0
32°	1733.8	1721.1	1683.5	1574.6	1384.1	1118.4	811.1	145.7	5.5	0.0	0.0
33°	1748.0	1732.2	1688.3	1565.5	1363.5	1083.1	768.7	124.0	4.4	0.0	0.0
34°	1753.2	1734.2	1681.1	1541.7	1321.9	1029.7	713.6	101.4	3.6	0.0	0.0
35°	1747.7	1724.3	1655.4	1500.9	1265.7	965.9	647.5	78.4	2.8	0.0	0.0
36°	1729.8	1700.1	1618.6	1442.7	1185.3	890.7	581.4	61.0	2.0	0.0	0.0
37°	1691.4	1658.5	1555.6	1365.9	1105.7	804.3	506.1	47.5	1.2	0.0	0.0
38°	1644.3	1596.8	1471.6	1268.9	1002.7	707.3	431.7	39.2	0.8	0.0	0.0
39°	1563.9	1511.6	1371.8	1157.2	901.7	615.0	359.2	34.1	0.4	0.0	0.0
40°	1466.9	1404.7	1257.8	1037.6	782.5	518.4	299.8	28.5	0.4	0.0	0.0
42.5°	1106.5	1053.8	895.8	705.7	478.4	305.7	166.3	18.6	0.0	0.0	0.0
45°	691.5	636.4	529.5	386.9	259.0	158.4	80.0	10.7	0.0	0.0	0.0
47.5°	282.4	259.0	213.1	164.0	117.2	74.5	33.3	4.8	0.0	0.0	0.0
50°	97.0	86.3	72.5	53.1	37.6	25.7	17.4	1.2	0.0	0.0	0.0
52.5°	28.1	28.5	24.9	21.4	16.6	11.9	8.7	0.0	0.0	0.0	0.0
55°	5.1	4.4	5.1	4.8	5.1	4.4	3.2	0.0	0.0	0.4	0.0
57.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	22.6	22.6	22.6
2.5°	14.7	13.1	12.3
5°	8.3	6.3	5.9
7.5°	4.4	2.8	2.4
10°	1.6	0.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)