

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: P1326658

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

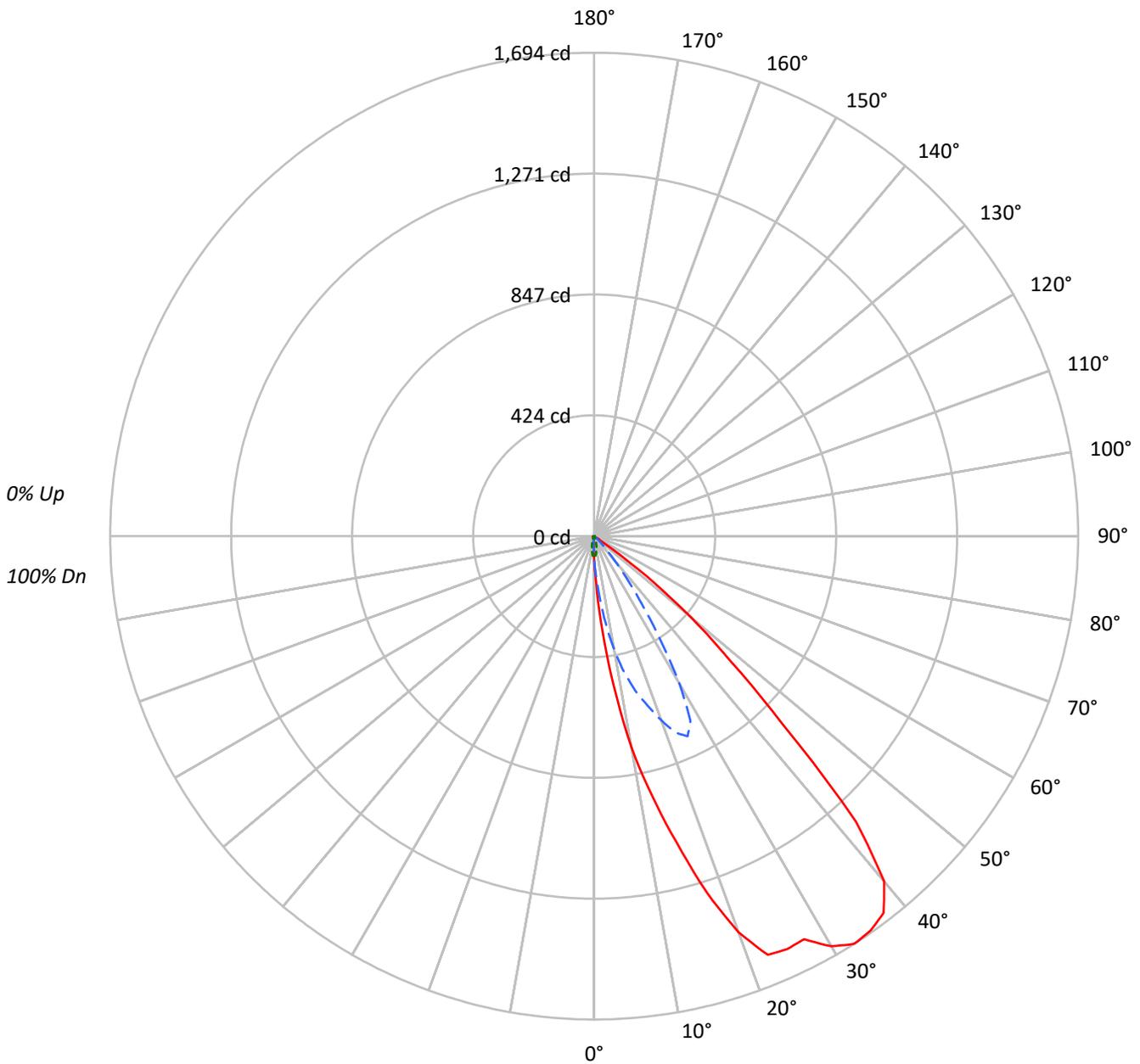
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12744	12744	12744	12744	12744
5°	57448	36616	11410	4391	3198
10°	131737	70756	8044	1574	1207
15°	197697	100400	4992	856	749
20°	270698	125855	2896	477	586
25°	303454	147062	1501	399	494
30°	330057	118703	636	318	517
35°	354725	60740	231	442	673
40°	354857	24236	112	472	832
45°	226559	8111	268	779	1169
50°	117622	991	429	991	1420
55°	10149	150	480	1261	1742
60°	379	172	551	1447	1998
65°	448	204	856	1508	2160
70°	252	252	1057	1611	2115
75°	333	333	1065	1730	2462
80°	496	496	1587	1587	2083
85°	0	988	3162	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 226559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	2.3
10°-20°	84.6	13.5
20°-30°	185.3	29.6
30°-40°	211.1	33.8
40°-50°	111.4	17.8
50°-60°	13.1	2.1
60°-70°	2.4	0.4
70°-80°	1.9	0.3
80°-90°	0.9	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°	284.3	45.5
0°-40°	495.3	79.3
0°-60°	619.8	99.2
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	74	74	74	74	74	
5°	332	212	66	25	18	45
15°	1109	563	28	5	4	327
25°	1597	774	8	2	3	736
35°	1687	289	1	2	3	1046
45°	930	33	1	3	5	750
55°	34	0	2	4	6	105
65°	1	0	2	4	5	1
75°	0	0	2	3	4	1
85°	0	0	2	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2.5°	164.8	164.8	164.3	159.5	159.0	158.5	150.0	147.9	137.9	131.0	99.8
5°	332.3	324.9	324.3	315.9	301.6	282.6	270.5	250.9	231.9	211.8	123.1
7.5°	529.3	535.6	518.2	509.2	477.5	454.8	419.9	389.3	346.5	306.4	142.1
10°	753.3	742.2	724.7	707.3	673.0	632.3	580.5	526.1	464.3	404.6	152.7
12.5°	928.1	913.9	903.3	879.5	845.7	793.4	731.6	658.7	576.8	490.7	152.1
15°	1108.8	1094.5	1070.7	1049.6	999.4	940.8	873.7	777.6	677.2	563.1	141.0
17.5°	1307.4	1288.9	1262.5	1230.3	1181.7	1116.7	1031.7	914.4	772.3	622.3	121.0
20°	1477.0	1465.9	1439.5	1401.4	1353.9	1290.5	1192.2	1062.3	889.0	686.7	96.1
22.5°	1587.9	1577.8	1559.9	1526.6	1490.7	1423.1	1333.3	1190.7	986.8	745.3	72.9
25°	1596.9	1592.6	1587.9	1576.8	1555.1	1507.1	1419.4	1265.7	1047.5	773.9	53.9
27.5°	1592.1	1590.5	1589.5	1583.7	1569.4	1521.9	1432.1	1276.8	1039.6	729.5	39.6
30°	1659.7	1655.0	1652.3	1633.3	1595.8	1522.4	1405.1	1217.1	923.9	596.9	28.5
32.5°	1694.1	1693.0	1690.4	1671.9	1619.1	1523.4	1359.7	1072.9	732.7	431.0	19.5
35°	1687.2	1681.9	1672.4	1638.1	1564.6	1444.7	1212.8	856.8	528.8	288.9	12.7
37.5°	1664.0	1651.8	1633.3	1571.5	1473.8	1310.0	983.6	630.7	359.7	187.0	7.4
40°	1578.4	1562.0	1532.9	1457.4	1329.0	1079.7	727.4	426.3	236.1	107.8	2.1
42.5°	1357.0	1335.9	1314.8	1230.3	1083.4	805.0	478.6	263.6	134.7	59.2	0.5
45°	930.2	903.8	874.8	813.5	695.7	487.6	284.7	148.4	69.7	33.3	0.5
47.5°	646.0	633.9	583.2	505.0	387.2	258.3	147.4	72.9	37.0	15.3	0.5
50°	439.0	425.2	366.1	290.5	206.0	123.6	67.6	36.4	16.4	3.7	0.5
52.5°	230.3	213.4	175.9	134.2	83.5	51.8	29.6	15.8	4.8	0.5	0.5
55°	33.8	31.2	25.4	20.6	18.5	14.3	8.5	3.7	0.5	0.5	1.1
57.5°	1.1	1.1	1.1	1.1	1.6	1.6	1.1	0.5	0.5	0.5	1.1
60°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1
62.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1
65°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1
67.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1	1.6
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.6
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
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):

	90°	112.5°	135°	157.5°	180°
0°	74.0	74.0	74.0	74.0	74.0
2.5°	72.9	53.9	41.7	35.9	35.4
5°	66.0	38.6	25.4	19.5	18.5
7.5°	56.0	26.9	14.8	10.6	10.0
10°	46.0	18.5	9.0	7.4	6.9
12.5°	36.4	12.1	6.3	5.8	5.3
15°	28.0	7.9	4.8	4.2	4.2
17.5°	21.1	5.3	3.7	3.7	3.7
20°	15.8	3.7	2.6	3.2	3.2
22.5°	11.1	2.6	2.1	2.6	2.6
25°	7.9	2.1	2.1	2.6	2.6
27.5°	5.3	1.6	1.6	2.1	2.6
30°	3.2	1.1	1.6	2.1	2.6
32.5°	1.6	1.1	1.6	2.6	2.6
35°	1.1	1.6	2.1	2.6	3.2
37.5°	0.5	1.6	2.1	3.2	3.2
40°	0.5	1.6	2.1	3.2	3.7
42.5°	1.1	2.1	2.6	3.7	4.2
45°	1.1	2.1	3.2	4.2	4.8
47.5°	1.1	2.1	3.7	4.8	4.8
50°	1.6	2.6	3.7	4.8	5.3
52.5°	1.6	2.6	3.7	5.3	5.8
55°	1.6	2.6	4.2	5.3	5.8
57.5°	1.6	3.2	4.2	5.3	5.8
60°	1.6	2.6	4.2	5.3	5.8
62.5°	2.1	2.6	3.7	5.3	5.3
65°	2.1	2.6	3.7	5.3	5.3
67.5°	2.1	2.6	3.7	4.8	4.8
70°	2.1	2.6	3.2	4.2	4.2
72.5°	2.1	2.6	3.2	3.7	4.2
75°	1.6	2.1	2.6	3.2	3.7
77.5°	1.6	2.1	2.1	3.2	3.2
80°	1.6	1.6	1.6	2.1	2.1
82.5°	1.6	1.6	1.1	1.6	1.6
85°	1.6	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)