

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: P1326699

Luminaire Tested: LDSQA3D09R40W2N902765DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R40W2N902765DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

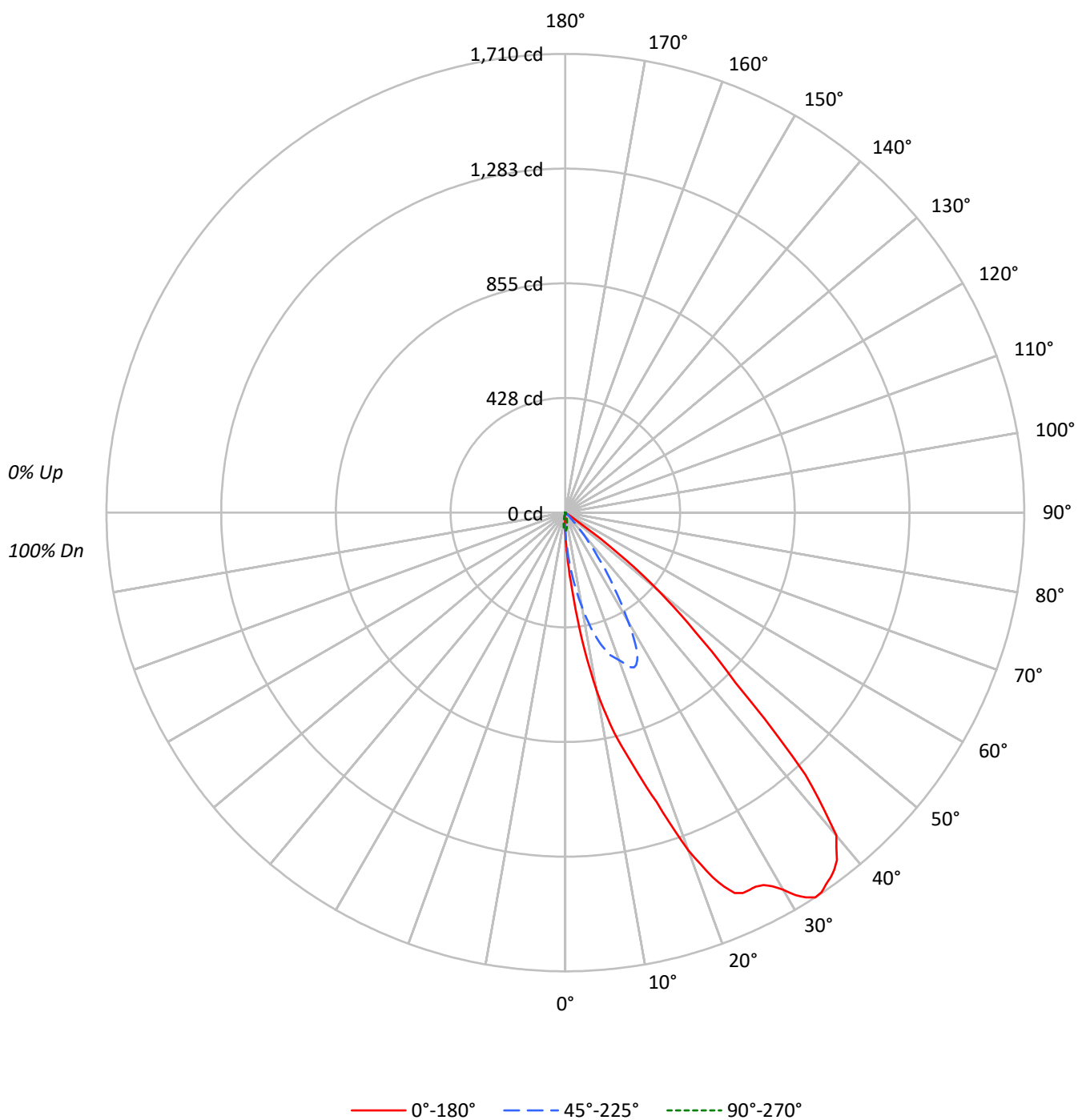
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	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	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11556	11556	11556	11556	11556
5°	49081	33452	10148	1833	916
10°	117956	62222	6278	192	0
15°	173609	90379	2639	0	0
20°	245406	107161	971	0	0
25°	297240	118938	0	0	0
30°	322739	93029	0	0	0
35°	355861	54453	0	0	0
40°	353216	22100	0	0	0
45°	218741	6430	0	0	0
50°	121801	134	0	0	0
55°	11890	0	0	0	0
60°	0	0	172	0	0
65°	0	0	204	0	0
70°	0	252	554	0	0
75°	0	333	732	0	0
80°	0	496	1091	0	0
85°	0	988	2174	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 219788 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	2.2
10°-20°	74.0	12.9
20°-30°	168.9	29.4
30°-40°	199.4	34.7
40°-50°	106.5	18.6
50°-60°	11.6	2.0
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	255.5	44.5
0°-40°	454.9	79.2
0°-60°	573.0	99.8
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	67	67	67	67	67	
5°	284	194	59	11	5	40
15°	974	507	15	0	0	289
25°	1564	626	0	0	0	710
35°	1693	259	0	0	0	1046
45°	898	26	0	0	0	741
55°	40	0	0	0	0	111
65°	0	0	0	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°	35°	45°	67.5°	90°
0°	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
2.5°	156.5	153.3	155.4	151.2	151.2	141.7	142.2	134.3	122.6	93.6	66.6
5°	283.9	296.6	286.5	273.3	265.9	256.4	243.7	230.5	193.5	116.8	58.7
7.5°	475.2	474.2	457.3	443.0	426.6	401.2	377.4	345.2	275.4	133.7	48.6
10°	674.5	670.8	651.8	639.6	608.4	572.0	523.3	471.5	355.8	139.6	35.9
12.5°	840.5	835.8	819.9	799.3	764.9	718.9	666.6	598.4	440.3	133.2	23.3
15°	973.7	972.7	957.3	929.3	893.4	848.4	789.2	707.3	506.9	116.8	14.8
17.5°	1131.8	1138.1	1110.6	1080.5	1028.7	965.8	893.4	799.8	556.1	96.7	9.5
20°	1339.0	1330.0	1304.6	1260.8	1211.1	1135.5	1032.9	899.2	584.7	75.1	5.3
21°	1402.4	1398.7	1372.3	1331.6	1276.6	1200.0	1094.2	949.9	597.9	67.1	4.2
22°	1466.9	1460.6	1440.0	1400.3	1348.5	1261.8	1145.5	1002.3	614.8	58.7	2.6
23°	1515.0	1512.4	1496.5	1457.4	1404.0	1320.0	1201.0	1050.9	626.4	50.7	1.6
24°	1552.0	1548.9	1533.0	1503.4	1457.4	1369.7	1257.1	1103.2	631.2	43.9	0.5
25°	1564.2	1565.8	1556.3	1533.0	1494.4	1406.7	1298.8	1144.5	625.9	37.5	0.0
26°	1564.7	1569.5	1562.6	1549.4	1517.7	1436.3	1337.9	1168.8	612.1	31.7	0.0
27°	1564.7	1569.5	1562.6	1552.6	1521.4	1453.2	1359.1	1171.4	591.0	27.0	0.0
28°	1572.1	1574.8	1565.8	1553.6	1519.8	1458.5	1364.9	1155.6	557.2	23.3	0.0
29°	1592.7	1590.1	1575.3	1558.9	1518.2	1458.5	1347.5	1125.4	514.9	19.6	0.0
30°	1622.9	1622.9	1599.6	1573.7	1525.6	1457.9	1319.4	1071.0	467.8	15.9	0.0
31°	1663.6	1659.9	1636.6	1598.0	1541.5	1457.9	1278.2	1010.7	424.5	13.7	0.0
32°	1691.1	1688.9	1666.7	1621.3	1567.4	1457.9	1233.8	944.1	377.4	11.1	0.0
33°	1710.1	1705.9	1680.5	1633.4	1583.2	1450.5	1184.1	872.8	335.1	9.0	0.0
34°	1707.4	1706.4	1680.0	1631.3	1580.0	1419.9	1126.5	793.5	296.0	7.4	0.0
35°	1692.6	1692.6	1660.4	1610.2	1557.3	1374.9	1069.4	725.8	259.0	5.3	0.0
36°	1681.5	1677.3	1640.8	1584.8	1519.3	1304.1	984.8	657.6	219.4	4.2	0.0
37°	1665.2	1657.2	1616.5	1556.3	1465.3	1227.5	896.0	596.8	185.5	2.6	0.0
38°	1644.0	1631.9	1582.2	1523.0	1406.1	1139.2	805.6	528.6	154.4	1.6	0.0
39°	1605.4	1595.4	1544.1	1480.1	1335.3	1046.1	717.9	464.7	124.8	0.5	0.0
40°	1571.1	1553.6	1495.5	1422.0	1252.3	940.9	630.6	401.8	98.3	0.0	0.0
42.5°	1324.7	1306.2	1293.0	1220.1	997.5	675.6	440.3	257.4	51.3	0.0	0.0
45°	898.1	902.4	861.1	812.0	658.1	440.3	275.4	143.3	26.4	0.0	0.0
47.5°	655.0	643.9	587.8	494.8	385.9	257.4	143.8	69.2	10.6	0.0	0.0
50°	454.6	433.5	382.7	312.9	209.9	122.6	63.4	32.2	0.5	0.0	0.0
52.5°	246.9	232.1	196.6	142.7	87.2	47.0	25.4	13.2	0.0	0.0	0.0
55°	39.6	27.5	28.5	24.3	19.0	13.7	7.9	1.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1	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):

	112.5°	135°	157.5°	180°
0°	67.1	67.1	67.1	67.1
2.5°	44.9	30.7	23.3	20.1
5°	25.9	10.6	5.8	5.3
7.5°	12.7	3.7	2.1	2.1
10°	5.3	1.1	0.0	0.0
12.5°	1.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.5	0.0	0.0	0.0
67.5°	0.5	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.0
72.5°	0.5	0.0	0.0	0.0
75°	0.5	0.0	0.0	0.0
77.5°	0.5	0.0	0.0	0.0
80°	0.5	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.5	0.0	0.0	0.0
85°	0.5	0.0	0.0	0.0
87.5°	0.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)