

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: P1326659

Luminaire Tested: LDSQA3D09R40W2N902750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326659
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

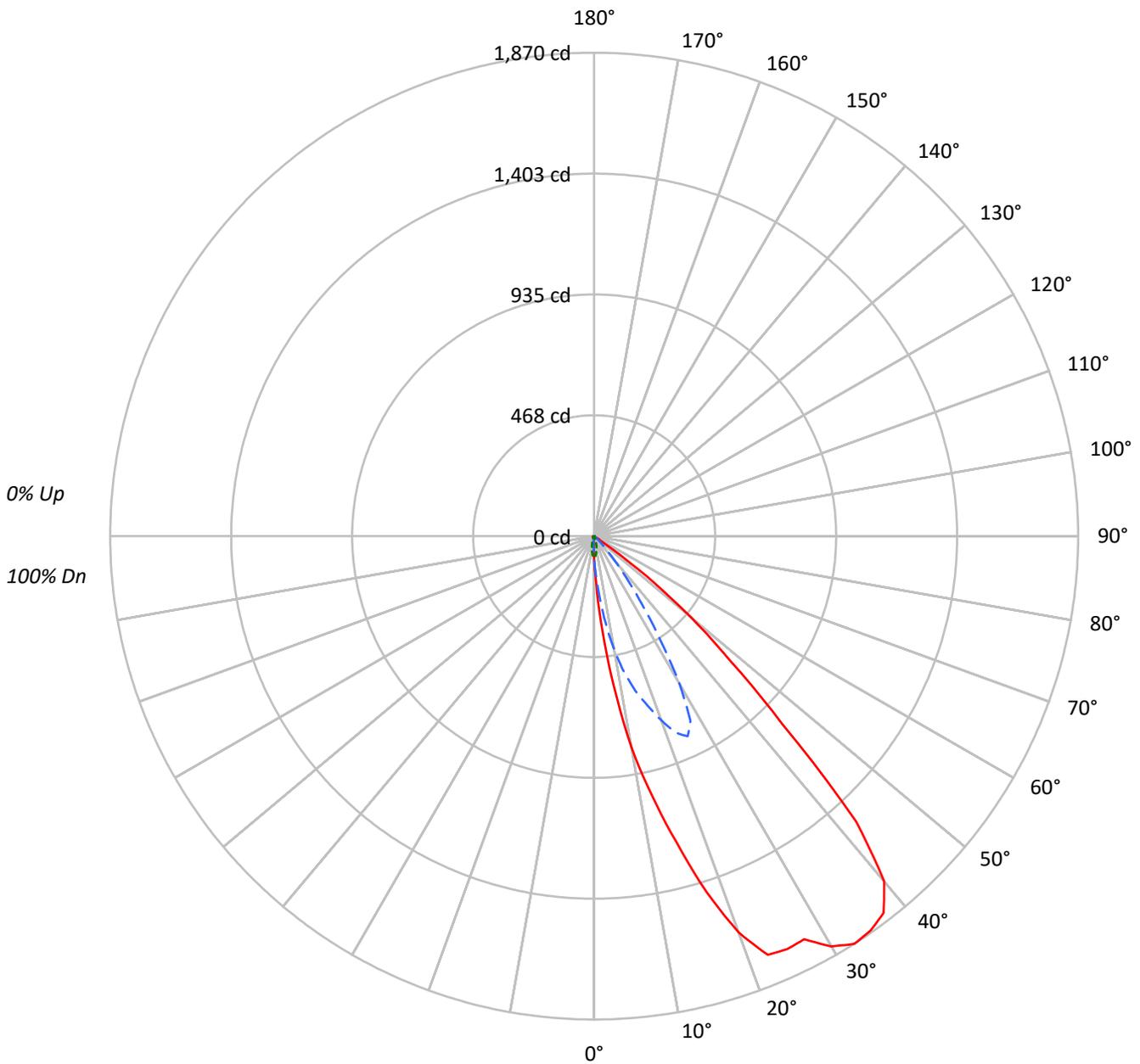
Lumens per Lamp: N/A
Luminaire Lumens: 690.0 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	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	52	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°	14053	14053	14053	14053	14053
5°	63413	40437	12603	4841	3527
10°	145430	78119	8866	1731	1329
15°	218255	110848	5509	927	838
20°	298849	138941	3207	531	641
25°	334998	162359	1653	437	551
30°	364381	131052	696	338	577
35°	391623	67068	252	484	736
40°	391750	26754	135	517	922
45°	250136	8939	292	852	1267
50°	129839	1099	455	1099	1554
55°	11200	180	510	1411	1922
60°	413	207	586	1619	2204
65°	489	245	937	1671	2364
70°	302	302	1158	1762	2367
75°	399	399	1131	1930	2728
80°	595	595	1686	1686	2281
85°	0	1186	3359	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 250136 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	2.3
10°-20°	93.4	13.5
20°-30°	204.5	29.6
30°-40°	233.0	33.8
40°-50°	122.9	17.8
50°-60°	14.5	2.1
60°-70°	2.6	0.4
70°-80°	2.1	0.3
80°-90°	1.0	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°	313.8	45.5
0°-40°	546.8	79.3
0°-60°	684.3	99.2
0°-90°	690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	690.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	82	82	82	82	82	
5°	367	234	73	28	20	49
15°	1224	622	31	5	5	361
25°	1763	854	9	2	3	812
35°	1863	319	1	2	4	1154
45°	1027	37	1	4	5	828
55°	37	1	2	5	6	116
65°	1	1	2	4	6	1
75°	1	1	2	3	4	1
85°	0	1	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°	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
2.5°	182.0	182.0	181.4	176.1	175.5	175.0	165.6	163.3	152.2	144.6	110.2
5°	366.8	358.7	358.1	348.7	333.0	312.0	298.6	277.0	256.0	233.9	135.9
7.5°	584.3	591.3	572.1	562.2	527.2	502.1	463.6	429.8	382.6	338.2	156.9
10°	831.6	819.4	800.1	780.9	743.0	698.1	640.9	580.8	512.6	446.7	168.5
12.5°	1024.6	1008.9	997.2	971.0	933.7	875.9	807.7	727.2	636.8	541.8	168.0
15°	1224.1	1208.3	1182.1	1158.8	1103.4	1038.6	964.6	858.4	747.6	621.7	155.7
17.5°	1443.4	1422.9	1393.8	1358.2	1304.6	1232.8	1138.9	1009.5	852.6	687.0	133.5
20°	1630.6	1618.3	1589.2	1547.2	1494.7	1424.7	1316.2	1172.8	981.5	758.1	106.1
22.5°	1753.0	1741.9	1722.1	1685.4	1645.7	1571.1	1471.9	1314.5	1089.4	822.9	80.5
25°	1762.9	1758.3	1753.0	1740.8	1716.9	1663.8	1567.0	1397.3	1156.4	854.4	59.5
27.5°	1757.7	1755.9	1754.8	1748.4	1732.6	1680.1	1581.0	1409.5	1147.7	805.4	43.7
30°	1832.3	1827.1	1824.2	1803.2	1761.8	1680.7	1551.2	1343.6	1020.0	659.0	31.5
32.5°	1870.2	1869.1	1866.2	1845.8	1787.4	1681.9	1501.1	1184.4	808.9	475.9	21.6
35°	1862.7	1856.8	1846.3	1808.4	1727.4	1595.0	1339.0	945.9	583.8	319.0	14.0
37.5°	1837.0	1823.6	1803.2	1734.9	1627.1	1446.3	1085.9	696.3	397.1	206.4	8.2
40°	1742.5	1724.5	1692.4	1609.0	1467.3	1192.0	803.0	470.6	260.7	119.0	2.3
42.5°	1498.2	1474.9	1451.5	1358.2	1196.1	888.8	528.4	291.0	148.7	65.3	0.6
45°	1027.0	997.8	965.7	898.1	768.0	538.3	314.3	163.9	77.0	36.7	0.6
47.5°	713.2	699.8	643.8	557.5	427.5	285.2	162.7	80.5	40.8	16.9	0.6
50°	484.6	469.5	404.1	320.7	227.4	136.5	74.6	40.2	18.1	4.1	0.6
52.5°	254.3	235.6	194.2	148.1	92.1	57.2	32.7	17.5	5.2	0.6	0.6
55°	37.3	34.4	28.0	22.7	20.4	15.7	9.3	4.1	0.6	0.6	1.2
57.5°	1.2	1.2	1.2	1.2	1.7	1.7	1.2	0.6	0.6	0.6	1.2
60°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
65°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	1.2	1.7
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.7
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
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°	81.6	81.6	81.6	81.6	81.6
2.5°	80.5	59.5	46.1	39.7	39.1
5°	72.9	42.6	28.0	21.6	20.4
7.5°	61.8	29.7	16.3	11.7	11.1
10°	50.7	20.4	9.9	8.2	7.6
12.5°	40.2	13.4	7.0	6.4	5.8
15°	30.9	8.7	5.2	4.7	4.7
17.5°	23.3	5.8	4.1	4.1	4.1
20°	17.5	4.1	2.9	3.5	3.5
22.5°	12.2	2.9	2.3	2.9	2.9
25°	8.7	2.3	2.3	2.9	2.9
27.5°	5.8	1.7	1.7	2.3	2.9
30°	3.5	1.2	1.7	2.3	2.9
32.5°	1.7	1.2	1.7	2.9	2.9
35°	1.2	1.7	2.3	2.9	3.5
37.5°	0.6	1.7	2.3	3.5	3.5
40°	0.6	1.7	2.3	3.5	4.1
42.5°	1.2	2.3	2.9	4.1	4.7
45°	1.2	2.3	3.5	4.7	5.2
47.5°	1.2	2.3	4.1	5.2	5.2
50°	1.7	2.9	4.1	5.2	5.8
52.5°	1.7	2.9	4.1	5.8	6.4
55°	1.7	2.9	4.7	5.8	6.4
57.5°	1.7	3.5	4.7	5.8	6.4
60°	1.7	2.9	4.7	5.8	6.4
62.5°	2.3	2.9	4.1	5.8	5.8
65°	2.3	2.9	4.1	5.8	5.8
67.5°	2.3	2.9	4.1	5.2	5.2
70°	2.3	2.9	3.5	4.7	4.7
72.5°	2.3	2.9	3.5	4.1	4.7
75°	1.7	2.3	2.9	3.5	4.1
77.5°	1.7	2.3	2.3	3.5	3.5
80°	1.7	1.7	1.7	2.3	2.3
82.5°	1.7	1.7	1.2	1.7	1.7
85°	1.7	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)