

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: P1326562

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

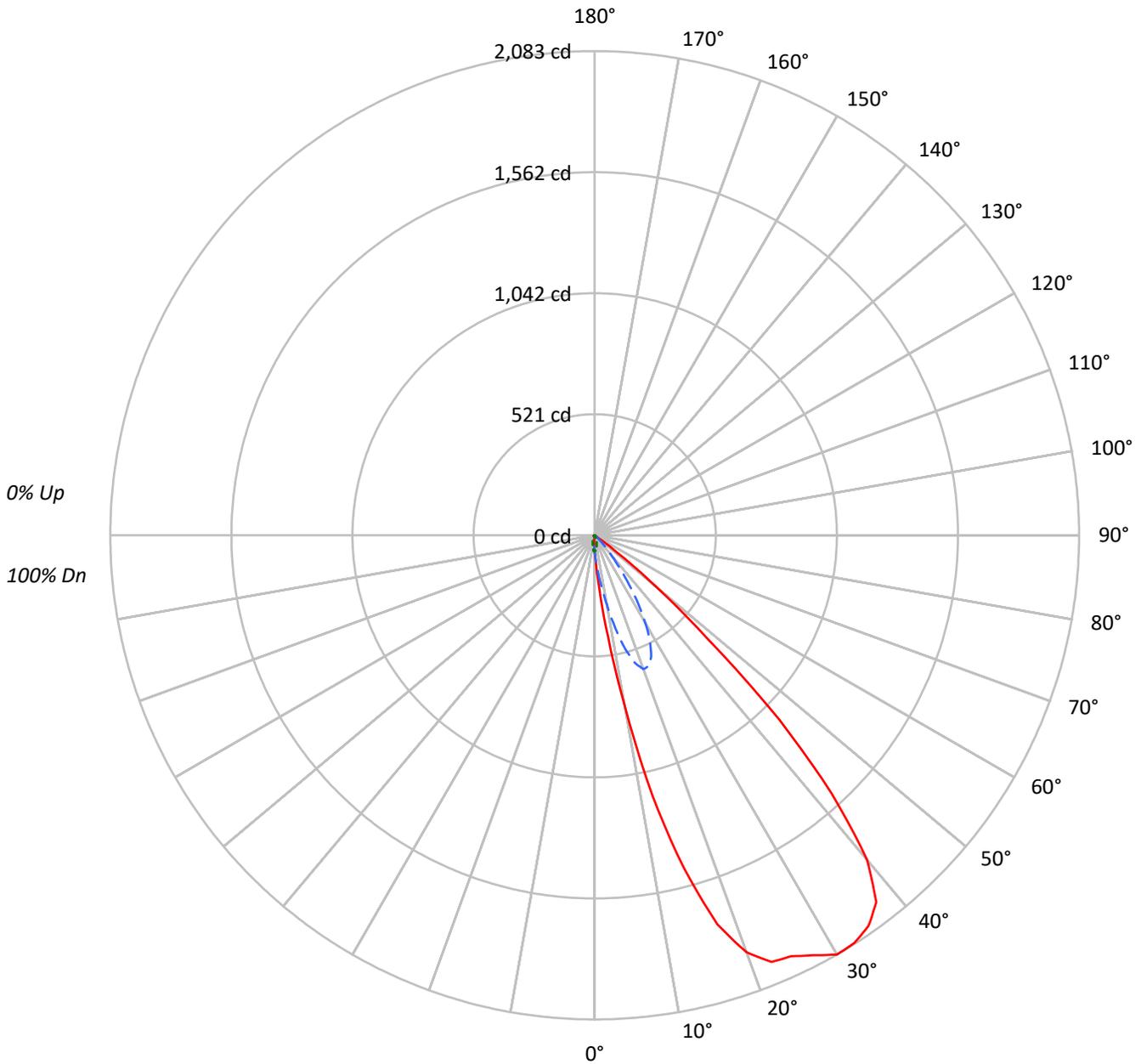
Test Method: LM-79-2019  
Report Number: P1326562  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 655.1 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	11849	11849	11849	11849	11849
5°	40350	26226	11082	4668	3458
10°	129865	53163	8744	1749	1137
15°	264594	90165	6187	624	428
20°	349891	112293	3995	220	220
25°	379654	109151	2242	114	228
30°	414157	86984	935	119	239
35°	431549	54138	252	126	252
40°	409511	23651	135	270	405
45°	273371	9450	146	438	706
50°	91686	1581	322	643	938
55°	5134	180	360	871	1231
60°	413	207	620	999	1412
65°	489	245	734	1182	1671
70°	302	302	906	1460	1762
75°	399	399	1198	1597	1930
80°	0	595	1785	1785	1785
85°	0	1186	3557	1186	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 273371 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.9	1.8
10°-20°	94.1	14.4
20°-30°	198.6	30.3
30°-40°	225.3	34.4
40°-50°	110.9	16.9
50°-60°	9.6	1.5
60°-70°	2.0	0.3
70°-80°	1.8	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°	304.6	46.5
0°-40°	529.9	80.9
0°-60°	650.4	99.3
0°-90°	655.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	233	152	64	27	20	38
15°	1484	506	35	4	2	422
25°	1998	574	12	1	1	930
35°	2053	258	1	1	1	1265
45°	1122	39	1	2	3	829
55°	17	1	1	3	4	67
65°	1	1	2	3	4	1
75°	1	1	2	2	3	0
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°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	119.4	122.3	121.1	120.5	119.9	117.6	112.3	111.7	106.4	102.9	85.3
5°	233.4	228.7	229.9	223.4	215.2	203.4	195.8	179.3	165.8	151.7	99.4
7.5°	439.8	433.3	421.0	402.2	382.8	357.5	319.3	288.7	253.4	219.9	110.5
10°	742.6	739.1	723.2	675.0	632.7	565.0	501.5	434.5	368.7	304.0	118.2
12.5°	1147.1	1123.0	1094.2	1030.1	946.6	862.0	736.7	620.9	515.6	407.5	118.8
15°	1484.0	1468.7	1428.2	1344.7	1244.1	1121.8	973.1	817.3	658.5	505.7	112.9
17.5°	1755.1	1731.6	1679.2	1597.5	1481.7	1322.9	1148.9	959.0	765.5	575.6	102.9
20°	1909.1	1896.8	1856.8	1775.1	1648.7	1475.2	1277.1	1056.0	832.6	612.7	90.0
22.5°	1986.7	1977.9	1948.5	1883.3	1765.1	1590.5	1363.5	1106.6	852.0	608.5	76.4
25°	1997.9	1995.6	1970.3	1920.9	1822.1	1649.3	1401.1	1116.0	836.1	574.4	63.5
27.5°	2036.7	2028.5	1998.5	1949.1	1849.8	1659.2	1388.2	1083.6	784.9	514.5	52.9
30°	2082.6	2076.7	2046.7	1995.6	1878.0	1649.8	1342.3	1011.9	703.2	437.4	39.4
32.5°	2079.1	2076.7	2051.4	1997.3	1858.0	1594.6	1260.6	904.3	592.1	345.1	24.7
35°	2052.6	2044.4	2012.6	1929.1	1743.9	1452.3	1105.4	758.5	468.6	257.5	15.9
37.5°	1989.1	1971.5	1918.0	1776.3	1539.9	1233.0	900.2	585.6	331.6	172.3	10.0
40°	1821.5	1799.2	1691.6	1520.5	1273.0	971.3	669.7	402.8	218.7	105.2	4.1
42.5°	1511.1	1465.8	1358.2	1182.4	950.2	686.7	439.8	261.1	128.8	63.5	1.2
45°	1122.4	1087.7	974.9	815.5	622.7	440.4	266.4	141.1	71.1	38.8	0.6
47.5°	653.8	632.7	574.4	469.8	344.0	231.1	136.4	75.8	41.7	18.8	0.6
50°	342.2	315.7	271.6	205.8	151.7	106.4	66.4	40.6	20.6	5.9	0.6
52.5°	119.9	118.2	107.6	81.1	65.9	47.6	32.3	17.6	5.9	1.2	0.6
55°	17.1	17.1	15.9	17.6	18.8	17.1	11.2	4.7	1.2	0.6	0.6
57.5°	1.2	1.2	1.2	1.8	2.4	2.4	1.8	0.6	0.6	0.6	1.2
60°	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
62.5°	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
65°	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
77.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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°	68.8	68.8	68.8	68.8	68.8
2.5°	68.2	54.7	43.5	38.2	36.5
5°	64.1	41.2	27.0	21.2	20.0
7.5°	57.0	29.4	16.5	11.8	11.2
10°	50.0	21.2	10.0	7.1	6.5
12.5°	41.7	14.7	6.5	4.1	3.5
15°	34.7	10.0	3.5	2.9	2.4
17.5°	27.6	6.5	2.4	1.8	2.4
20°	21.8	4.1	1.2	1.2	1.2
22.5°	16.5	2.4	1.2	1.2	1.2
25°	11.8	1.2	0.6	0.6	1.2
27.5°	8.2	0.6	0.6	0.6	1.2
30°	4.7	0.6	0.6	0.6	1.2
32.5°	2.4	0.6	0.6	1.2	1.2
35°	1.2	0.6	0.6	1.2	1.2
37.5°	0.6	0.6	0.6	1.2	1.8
40°	0.6	0.6	1.2	1.8	1.8
42.5°	0.6	0.6	1.2	1.8	2.4
45°	0.6	1.2	1.8	2.4	2.9
47.5°	1.2	1.2	2.4	2.9	3.5
50°	1.2	1.8	2.4	3.5	3.5
52.5°	1.2	1.8	2.9	3.5	4.1
55°	1.2	2.4	2.9	4.1	4.1
57.5°	1.8	2.4	2.9	4.1	4.1
60°	1.8	2.4	2.9	4.1	4.1
62.5°	1.8	2.4	2.9	4.1	4.1
65°	1.8	2.4	2.9	4.1	4.1
67.5°	1.8	2.4	2.9	3.5	4.1
70°	1.8	2.4	2.9	3.5	3.5
72.5°	2.4	2.4	2.9	3.5	3.5
75°	1.8	2.4	2.4	2.9	2.9
77.5°	1.8	1.8	1.8	2.4	2.4
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.2	1.2	1.8	1.8
85°	1.8	1.2	0.6	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)