

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: P1326474

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326474  
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: LDSQA3D09R35W2N902750DE010 3LSQCA30R 1MW\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

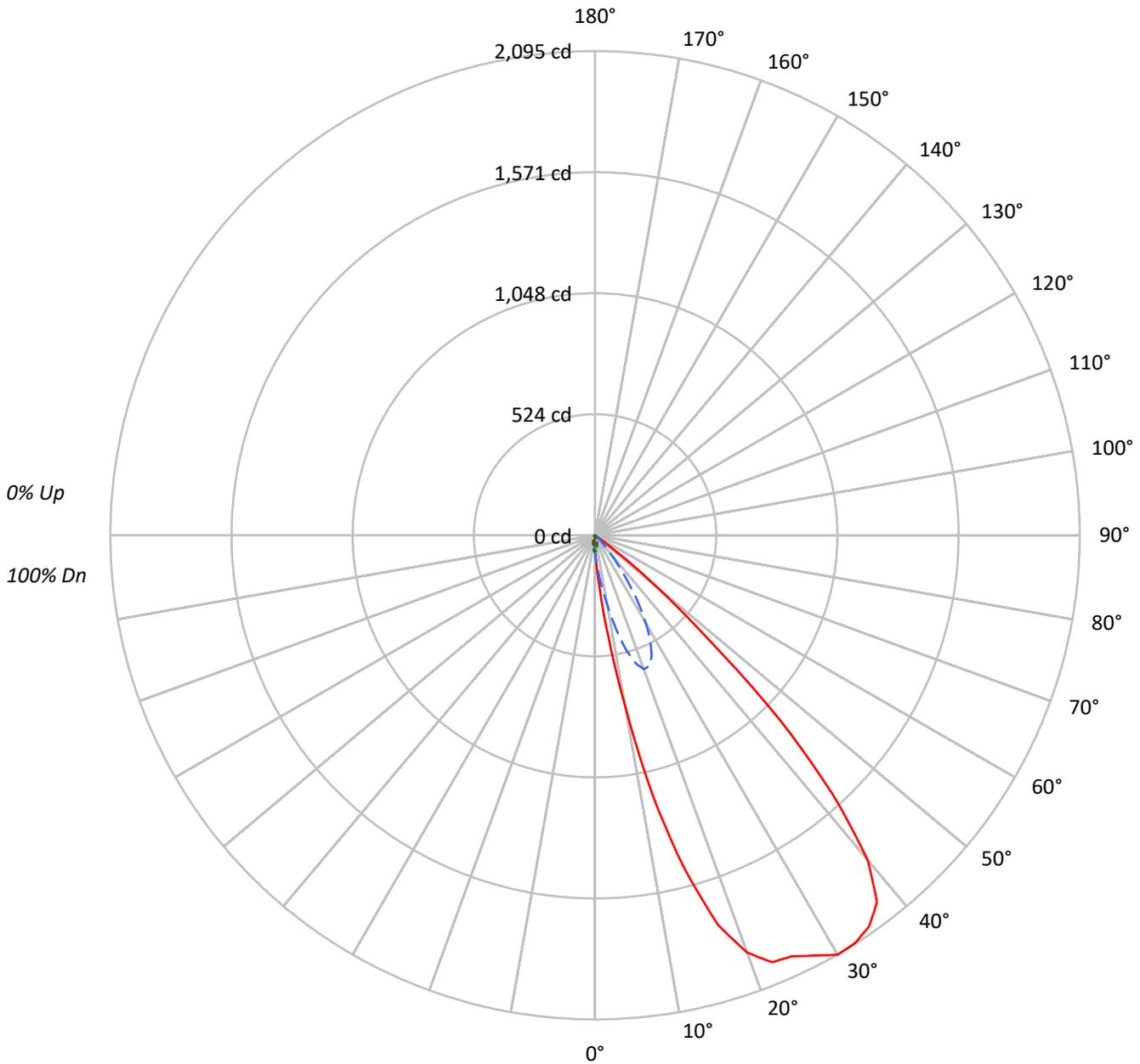
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 659.1 lumens  
Efficiency: N/A  
Efficacy: 73.2 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
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	87	84	83		
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37		

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

	0°	45°	90°	135°	180°
0°	11918	11918	11918	11918	11918
5°	40592	26382	11151	4702	3475
10°	130652	53478	8796	1766	1137
15°	266217	90700	6223	624	428
20°	352036	112971	4014	220	220
25°	381973	109835	2242	114	228
30°	416683	87521	935	119	239
35°	434177	54474	252	126	252
40°	412029	23809	135	270	405
45°	275052	9499	146	438	731
50°	92249	1581	322	643	938
55°	5164	180	360	901	1231
60°	413	207	620	1033	1412
65°	489	245	734	1223	1671
70°	302	302	906	1511	1762
75°	399	399	1198	1597	1996
80°	0	595	1785	1785	1785
85°	0	1186	3557	1186	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 275052 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	1.8
10°-20°	94.6	14.4
20°-30°	199.8	30.3
30°-40°	226.7	34.4
40°-50°	111.6	16.9
50°-60°	9.7	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°	306.4	46.5
0°-40°	533.1	80.9
0°-60°	654.3	99.3
0°-90°	659.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	235	153	64	27	20	39
15°	1493	509	35	4	2	425
25°	2010	578	12	1	1	935
35°	2065	259	1	1	1	1273
45°	1129	39	1	2	3	834
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°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	120.1	123.0	121.9	121.3	120.7	118.3	113.0	112.4	107.1	103.5	85.8
5°	234.8	230.1	231.3	224.8	216.5	204.7	197.0	180.4	166.8	152.6	100.0
7.5°	442.5	436.0	423.6	404.6	385.1	359.7	321.2	290.5	255.0	221.2	111.2
10°	747.1	743.6	727.6	679.1	636.5	568.5	504.6	437.2	370.9	305.8	118.9
12.5°	1154.1	1129.9	1100.9	1036.4	952.4	867.2	741.2	624.7	518.8	410.0	119.5
15°	1493.1	1477.7	1436.9	1352.9	1251.7	1128.7	979.0	822.3	662.5	508.7	113.6
17.5°	1765.8	1742.1	1689.5	1607.3	1490.7	1331.0	1155.9	964.8	770.2	579.1	103.5
20°	1920.8	1908.4	1868.1	1785.9	1658.7	1484.2	1284.9	1062.4	837.6	616.4	90.5
22.5°	1998.9	1990.0	1960.4	1894.8	1775.9	1600.2	1371.8	1113.3	857.2	612.3	76.9
25°	2010.1	2007.8	1982.3	1932.6	1833.2	1659.3	1409.7	1122.8	841.2	578.0	63.9
27.5°	2049.2	2040.9	2010.7	1961.0	1861.0	1669.4	1396.7	1090.2	789.7	517.6	53.2
30°	2095.3	2089.4	2059.2	2007.8	1889.4	1659.9	1350.5	1018.1	707.5	440.1	39.6
32.5°	2091.8	2089.4	2064.0	2009.5	1869.3	1604.3	1268.3	909.8	595.7	347.2	24.8
35°	2065.1	2056.9	2024.9	1940.9	1754.6	1461.2	1112.1	763.1	471.5	259.1	16.0
37.5°	2001.2	1983.5	1929.7	1787.1	1549.3	1240.5	905.7	589.2	333.6	173.3	10.1
40°	1832.7	1810.2	1701.9	1529.8	1280.7	977.3	673.8	405.2	220.1	105.9	4.1
42.5°	1520.3	1474.8	1366.5	1189.6	956.0	690.9	442.5	262.7	129.6	63.9	1.2
45°	1129.3	1094.4	980.8	820.5	626.5	443.1	268.0	142.0	71.6	39.0	0.6
47.5°	657.8	636.5	578.0	472.7	346.1	232.5	137.2	76.3	42.0	18.9	0.6
50°	344.3	317.7	273.3	207.0	152.6	107.1	66.8	40.8	20.7	5.9	0.6
52.5°	120.7	118.9	108.3	81.6	66.3	47.9	32.5	17.7	5.9	1.2	0.6
55°	17.2	17.2	16.0	17.7	18.9	17.2	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°	69.2	69.2	69.2	69.2	69.2
2.5°	68.6	55.0	43.8	38.5	36.7
5°	64.5	41.4	27.2	21.3	20.1
7.5°	57.4	29.6	16.6	11.8	11.2
10°	50.3	21.3	10.1	7.1	6.5
12.5°	42.0	14.8	6.5	4.1	3.5
15°	34.9	10.1	3.5	3.0	2.4
17.5°	27.8	6.5	2.4	1.8	2.4
20°	21.9	4.1	1.2	1.2	1.2
22.5°	16.6	2.4	1.2	1.2	1.2
25°	11.8	1.2	0.6	0.6	1.2
27.5°	8.3	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	3.0
47.5°	1.2	1.2	2.4	3.0	3.5
50°	1.2	1.8	2.4	3.5	3.5
52.5°	1.2	1.8	3.0	3.5	4.1
55°	1.2	2.4	3.0	4.1	4.1
57.5°	1.8	2.4	3.0	4.1	4.1
60°	1.8	2.4	3.0	4.1	4.1
62.5°	1.8	2.4	3.0	4.1	4.1
65°	1.8	2.4	3.0	4.1	4.1
67.5°	1.8	2.4	3.0	3.5	4.1
70°	1.8	2.4	3.0	3.5	3.5
72.5°	2.4	2.4	3.0	3.5	3.5
75°	1.8	2.4	2.4	3.0	3.0
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)