

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: P1325878

Luminaire Tested: LDSQA3D09R15W2N902765DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

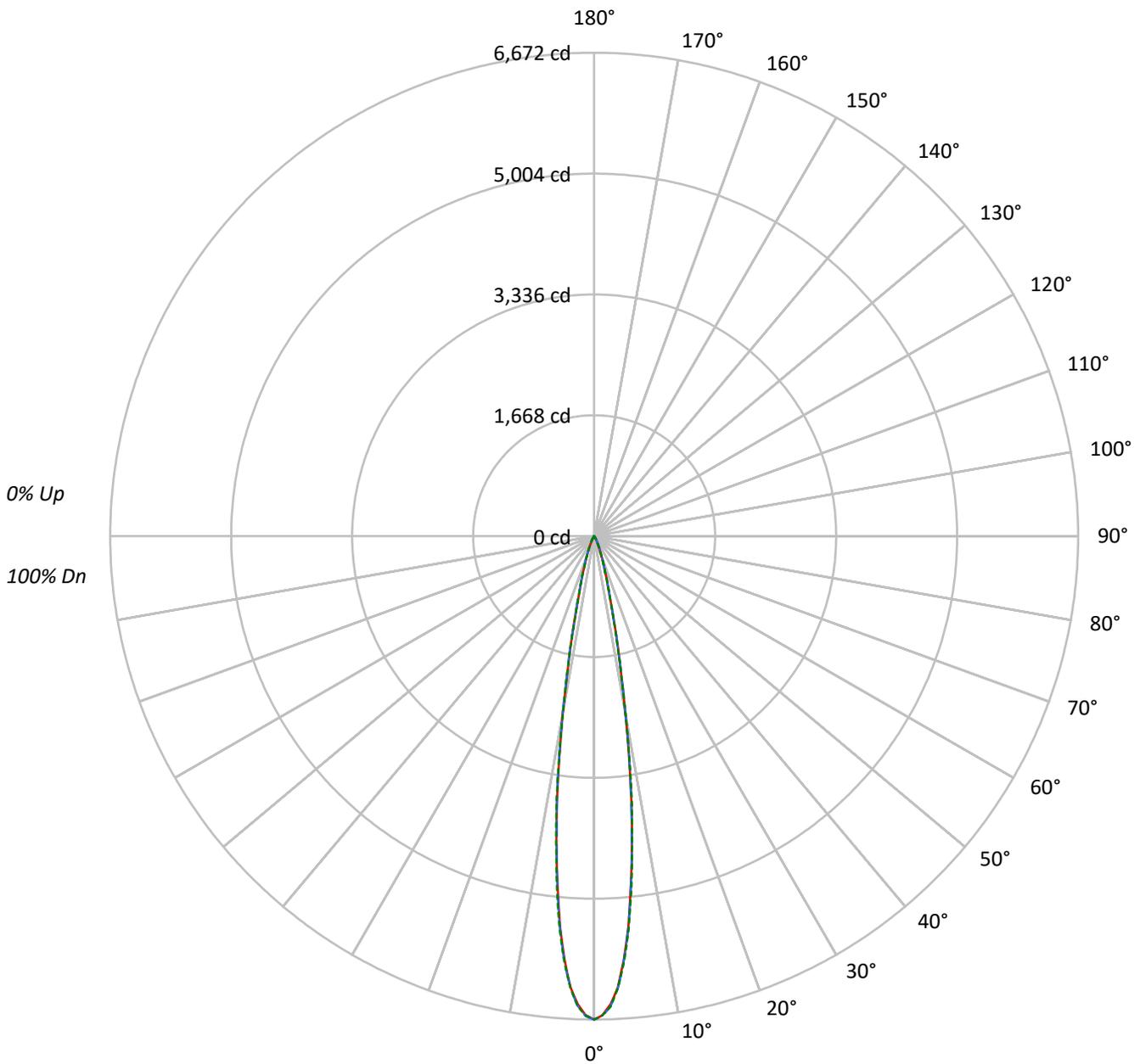
Test Method: LM-79-2019  
Report Number: P1325878  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R15W2N902765DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 749.1 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83

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

	0°	45°	90°
0°	1149052	1149052	1149052
5°	934350	937600	940850
10°	435135	435555	433176
15°	134633	139465	136844
20°	53681	56687	53022
25°	22461	26490	21340
30°	9128	12171	8412
35°	2964	5571	2712
40°	1057	2248	1057
45°	438	706	438
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 706 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.6	55.8
10°-20°	249.7	33.3
20°-30°	63.5	8.5
30°-40°	13.8	1.8
40°-50°	2.2	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.0	0.0
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°	730.9	97.6
0°-40°	744.7	99.4
0°-60°	748.0	99.9
0°-90°	749.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6672	6672	6672	6672	6672	
5°	5405	5412	5423	5399	5442	417
15°	755	776	782	771	768	249
25°	118	126	139	124	112	60
35°	14	18	26	18	13	11
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6671.9	6671.9	6671.9	6671.9	6671.9
1°	6613.7	6624.9	6626.6	6624.9	6615.4
2°	6464.9	6497.8	6490.8	6476.7	6496.7
3°	6235.0	6251.4	6249.1	6250.2	6245.5
4°	5860.9	5889.7	5873.3	5885.6	5886.8
5°	5404.6	5412.2	5423.4	5398.7	5442.2
6°	4842.9	4891.8	4848.8	4891.2	4908.2
7°	4271.9	4300.1	4245.4	4274.8	4292.5
8°	3687.9	3638.5	3668.5	3669.1	3727.3
9°	3057.5	3067.5	3092.8	3064.0	3089.2
10°	2488.2	2511.2	2490.6	2480.6	2477.0
11°	1964.8	1990.7	1988.9	1991.9	1972.5
12°	1580.8	1567.3	1576.1	1547.3	1560.2
13°	1230.3	1230.9	1223.8	1212.1	1201.5
14°	963.9	958.0	974.5	959.8	946.2
15°	755.1	776.3	782.2	771.0	767.5
17.5°	465.8	466.4	474.6	464.0	462.8
20°	292.9	299.9	309.3	298.2	289.3
22.5°	185.2	191.7	206.4	192.3	180.0
25°	118.2	126.4	139.4	123.5	112.3
27.5°	74.1	81.7	94.1	79.4	71.2
30°	45.9	51.2	61.2	50.0	42.3
32.5°	26.5	31.8	40.0	30.0	25.3
35°	14.1	18.2	26.5	17.6	12.9
37.5°	8.2	10.6	17.1	9.4	7.6
40°	4.7	6.5	10.0	5.9	4.7
42.5°	2.9	4.1	4.7	3.5	2.4
45°	1.8	2.4	2.9	2.4	1.8
47.5°	1.2	1.8	2.4	1.2	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)