

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: P1323709

Luminaire Tested: LDSQA3D09R159030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

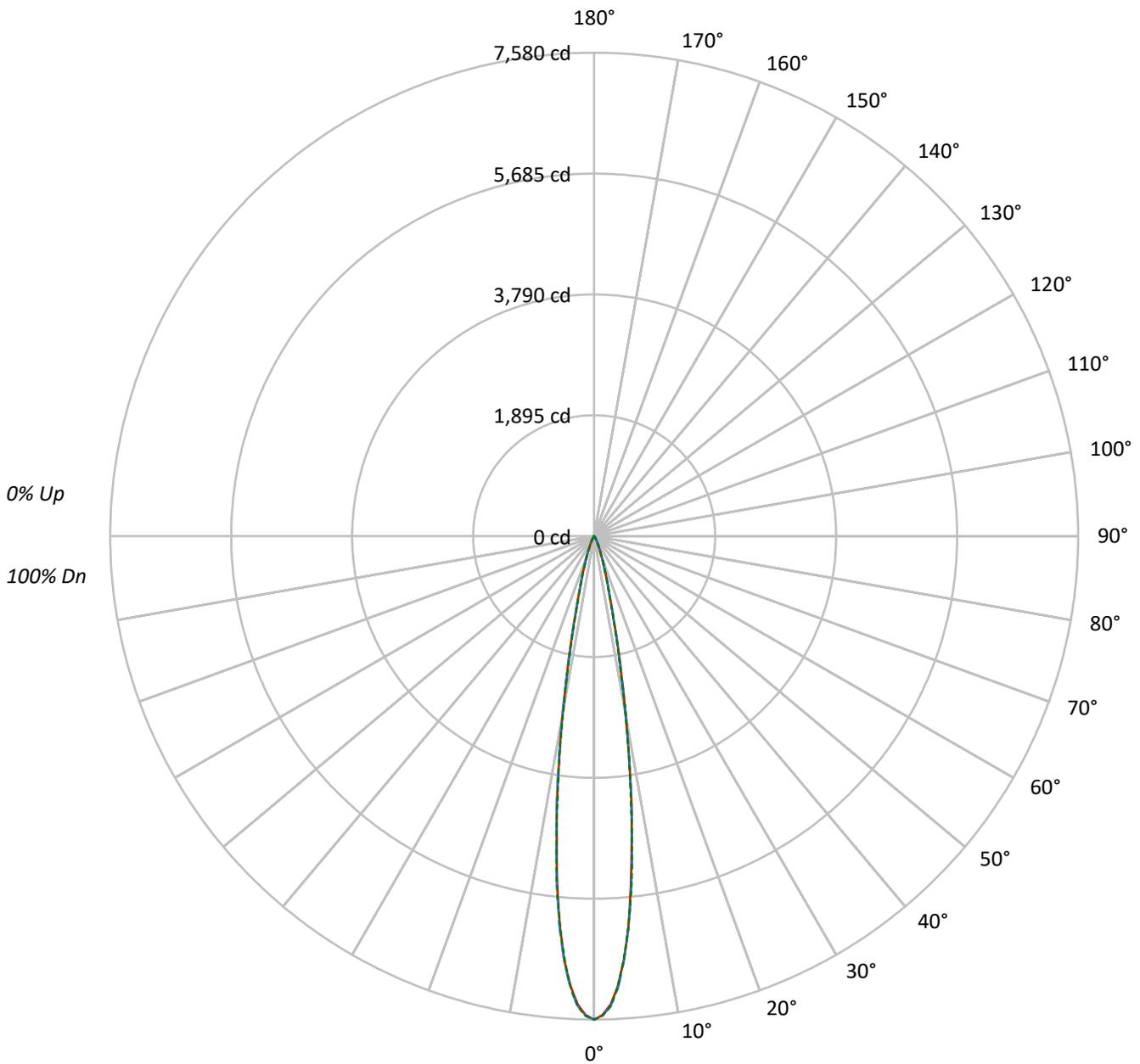
Test Method: LM-79-2019  
Report Number: P1323709  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159030D2WDE010 3LSQCDR1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 846.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

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

	0°	45°	90°
0°	1305465	1305465	1305465
5°	1062887	1066362	1064287
10°	495818	500260	493947
15°	155690	157009	156046
20°	61691	64146	59729
25°	24931	30138	24038
30°	9983	13702	9446
35°	2964	6055	2817
40°	899	2248	742
45°	170	487	170
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.6	56.1
10°-20°	283.8	33.6
20°-30°	71.6	8.5
30°-40°	14.6	1.7
40°-50°	1.4	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	830.0	98.1
0°-40°	844.6	99.8
0°-60°	846.0	100.0
0°-90°	846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	846.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7580	7580	7580	7580	7580	
5°	6148	6137	6168	6153	6156	473
15°	873	881	881	868	875	284
25°	131	143	159	140	126	67
35°	14	19	29	18	13	12
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	7580.1	7580.1	7580.1	7580.1	7580.1
1°	7511.9	7537.3	7523.9	7534.6	7522.6
2°	7349.3	7383.4	7372.7	7369.3	7378.7
3°	7062.9	7102.4	7101.0	7091.0	7074.9
4°	6672.1	6656.0	6680.8	6678.1	6650.7
5°	6148.1	6136.8	6168.2	6152.8	6156.2
6°	5507.1	5556.6	5545.9	5547.3	5560.0
7°	4818.5	4845.3	4868.1	4886.8	4860.7
8°	4186.2	4179.5	4181.5	4202.9	4130.7
9°	3478.2	3519.7	3493.0	3450.1	3477.6
10°	2835.2	2860.6	2860.6	2823.1	2824.5
11°	2260.4	2281.1	2266.4	2275.8	2216.9
12°	1822.1	1770.6	1758.5	1767.9	1767.2
13°	1391.2	1394.5	1391.2	1390.5	1383.8
14°	1090.7	1108.1	1100.8	1082.7	1074.7
15°	873.2	880.6	880.6	867.9	875.2
17.5°	524.6	533.3	535.3	526.6	526.6
20°	336.6	340.6	350.0	337.3	325.9
22.5°	207.4	216.1	232.2	213.5	204.1
25°	131.2	143.2	158.6	140.5	126.5
27.5°	82.3	92.3	105.7	88.3	79.6
30°	50.2	56.9	68.9	55.5	47.5
32.5°	28.1	33.5	43.5	32.1	26.8
35°	14.1	18.7	28.8	18.1	13.4
37.5°	8.0	10.0	18.1	8.7	7.4
40°	4.0	5.4	10.0	5.4	3.3
42.5°	1.3	2.7	4.0	2.7	1.3
45°	0.7	1.3	2.0	1.3	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)