

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: P1317869

Luminaire Tested: LDSQA3D02R159830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317869  
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: LDSQA3D02R159830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

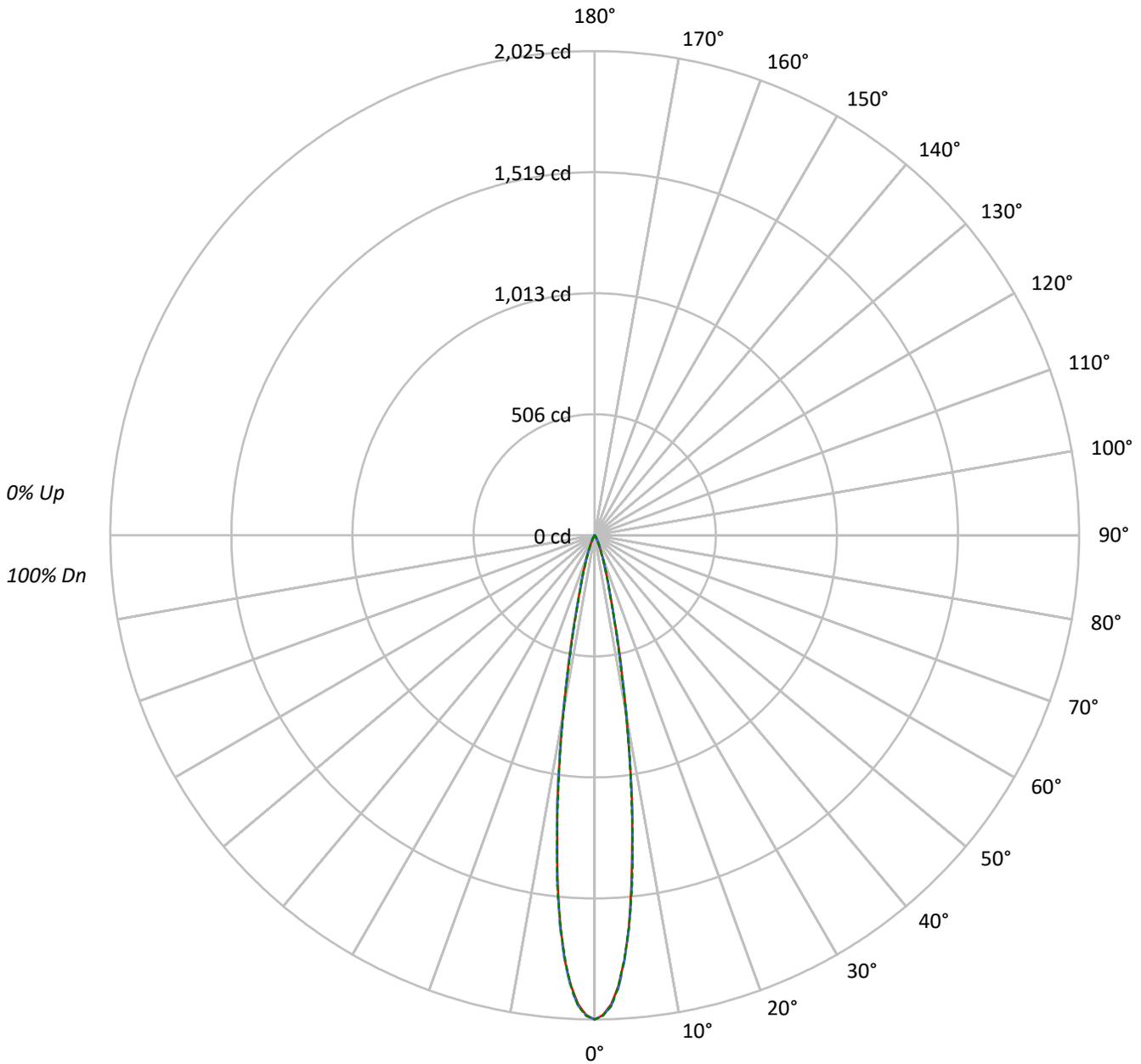
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 226.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 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): 3.6  
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				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°	348751	348751	348751
5°	283939	284872	284319
10°	132454	133643	131947
15°	41597	41936	41686
20°	16476	17136	15963
25°	6651	8057	6423
30°	2665	3659	2526
35°	799	1619	757
40°	247	607	202
45°	49	122	49
50°	0	54	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: 122 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.8	56.1
10°-20°	75.8	33.6
20°-30°	19.1	8.5
30°-40°	3.9	1.7
40°-50°	0.4	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°	221.7	98.1
0°-40°	225.6	99.8
0°-60°	226.0	100.0
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2025	2025	2025	2025	2025	
5°	1642	1639	1648	1644	1645	126
15°	233	235	235	232	234	76
25°	35	38	42	38	34	18
35°	4	5	8	5	4	3
45°	0	0	0	0	0	0
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°	2025.0	2025.0	2025.0	2025.0	2025.0
1°	2006.7	2013.5	2009.9	2012.8	2009.6
2°	1963.3	1972.4	1969.5	1968.6	1971.1
3°	1886.8	1897.3	1897.0	1894.3	1890.0
4°	1782.4	1778.1	1784.7	1784.0	1776.7
5°	1642.4	1639.4	1647.8	1643.7	1644.6
6°	1471.2	1484.4	1481.5	1481.9	1485.3
7°	1287.2	1294.4	1300.5	1305.5	1298.5
8°	1118.3	1116.5	1117.0	1122.8	1103.5
9°	929.2	940.3	933.1	921.7	929.0
10°	757.4	764.2	764.2	754.2	754.5
11°	603.8	609.4	605.4	608.0	592.2
12°	486.8	473.0	469.8	472.3	472.1
13°	371.6	372.5	371.6	371.5	369.7
14°	291.4	296.0	294.1	289.2	287.1
15°	233.3	235.2	235.2	231.8	233.8
17.5°	140.1	142.5	143.0	140.7	140.7
20°	89.9	91.0	93.5	90.1	87.1
22.5°	55.4	57.7	62.0	57.0	54.5
25°	35.0	38.3	42.4	37.5	33.8
27.5°	22.0	24.7	28.2	23.6	21.3
30°	13.4	15.2	18.4	14.8	12.7
32.5°	7.5	8.9	11.6	8.6	7.2
35°	3.8	5.0	7.7	4.8	3.6
37.5°	2.1	2.7	4.8	2.3	2.0
40°	1.1	1.4	2.7	1.4	0.9
42.5°	0.4	0.7	1.1	0.7	0.4
45°	0.2	0.4	0.5	0.4	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	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)