

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: P1317884

Luminaire Tested: LDSQA3D02R209830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

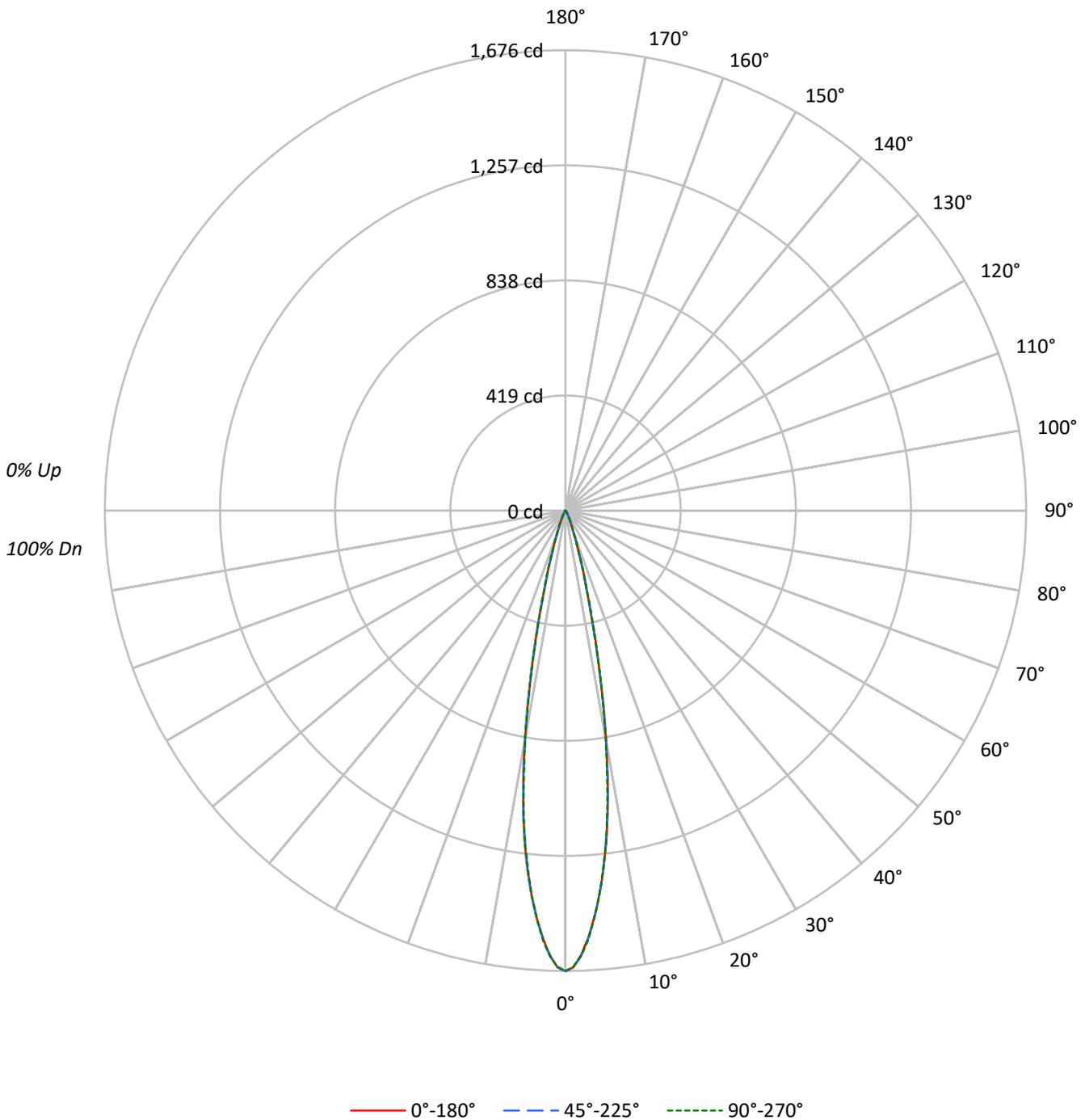
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 231.1 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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 (A<sub>in</sub>): 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





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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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	93	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	86	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	288697	288697	288697
5°	243329	243416	243295
10°	148280	147581	147931
15°	52223	52455	54078
20°	16403	16861	16513
25°	6138	6727	6309
30°	2386	3381	2486
35°	904	1493	967
40°	472	652	472
45°	170	317	219
50°	107	134	107
55°	120	120	120
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.4	50.4
10°-20°	91.2	39.5
20°-30°	17.9	7.8
30°-40°	4.0	1.7
40°-50°	0.9	0.4
50°-60°	0.3	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	225.5	97.6
0°-40°	229.5	99.3
0°-60°	230.8	99.9
0°-90°	231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	231.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1408	1409	1408	1413	1407	117
15°	293	294	294	301	303	91
25°	32	34	35	35	33	17
35°	4	5	7	5	5	3
45°	1	1	1	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°	1676.3	1676.3	1676.3	1676.3	1676.3
1°	1662.7	1659.1	1663.2	1660.0	1660.7
2°	1619.6	1617.6	1623.0	1619.6	1621.4
3°	1559.7	1557.2	1561.2	1561.4	1566.4
4°	1488.3	1483.4	1489.3	1489.5	1490.4
5°	1407.5	1408.7	1408.0	1412.8	1407.3
6°	1316.7	1320.8	1315.4	1318.1	1310.4
7°	1215.2	1210.0	1207.3	1208.2	1213.5
8°	1103.1	1099.5	1103.5	1097.9	1094.2
9°	978.5	972.3	976.6	971.2	965.8
10°	847.9	845.0	843.9	837.9	845.9
11°	716.9	708.3	712.6	709.5	718.3
12°	594.3	595.0	586.6	589.3	590.3
13°	483.6	472.2	473.6	481.0	482.2
14°	375.1	376.8	377.3	382.5	385.5
15°	292.9	294.2	294.2	300.6	303.3
17.5°	157.1	157.1	160.5	161.2	161.6
20°	89.5	90.1	92.0	91.9	90.1
22.5°	53.6	54.7	55.8	54.7	53.6
25°	32.3	34.5	35.4	34.9	33.2
27.5°	19.3	21.6	24.1	22.2	19.1
30°	12.0	13.2	17.0	13.6	12.5
32.5°	6.6	8.6	11.6	8.9	6.8
35°	4.3	5.2	7.1	5.2	4.6
37.5°	3.0	3.6	4.5	3.8	3.2
40°	2.1	2.5	2.9	2.7	2.1
42.5°	1.4	1.8	2.0	1.8	1.4
45°	0.7	1.1	1.3	1.1	0.9
47.5°	0.4	0.5	0.9	0.5	0.4
50°	0.4	0.4	0.5	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.2	0.4	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
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)