

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: P1323432

Luminaire Tested: LDSQA3D02R209030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

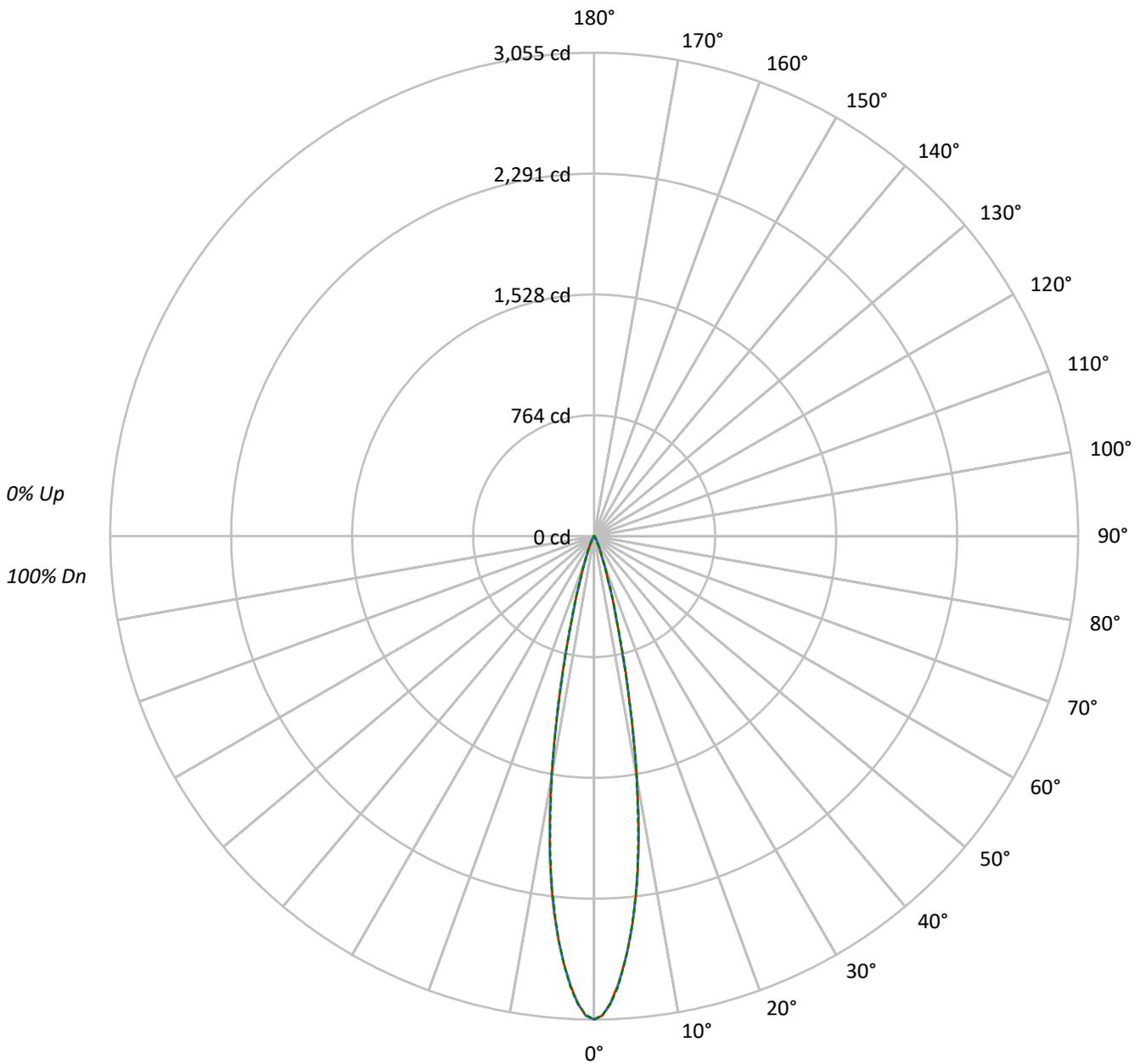
Test Method: LM-79-2019  
Report Number: P1323432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 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): 7.2  
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	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	94	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	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	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°	526140	526140	526140
5°	443456	443629	443404
10°	270241	268982	269612
15°	95193	95603	98563
20°	29911	30754	30094
25°	11212	12257	11516
30°	4335	6145	4534
35°	1640	2733	1787
40°	877	1169	877
45°	317	560	390
50°	188	268	188
55°	210	210	210
60°	103	103	103
65°	122	122	122
70°	151	151	151
75°	0	0	200
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.1	50.4
10°-20°	166.3	39.5
20°-30°	32.7	7.8
30°-40°	7.3	1.7
40°-50°	1.7	0.4
50°-60°	0.6	0.1
60°-70°	0.3	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°	411.0	97.6
0°-40°	418.3	99.4
0°-60°	420.6	99.9
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3055	3055	3055	3055	3055	
5°	2565	2567	2566	2575	2565	212
15°	534	536	536	548	553	166
25°	59	63	64	64	61	31
35°	8	9	13	9	8	6
45°	1	2	2	2	2	1
55°	1	1	1	1	1	1
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°	3055.0	3055.0	3055.0	3055.0	3055.0
1°	3030.3	3023.8	3031.2	3025.4	3026.7
2°	2951.8	2948.2	2958.0	2951.8	2955.0
3°	2842.6	2838.1	2845.3	2845.6	2854.7
4°	2712.4	2703.6	2714.3	2714.6	2716.3
5°	2565.1	2567.4	2566.1	2574.9	2564.8
6°	2399.7	2407.1	2397.4	2402.3	2388.3
7°	2214.6	2205.2	2200.3	2201.9	2211.7
8°	2010.4	2003.9	2011.1	2001.0	1994.1
9°	1783.4	1772.0	1779.8	1770.0	1760.2
10°	1545.3	1540.1	1538.1	1527.0	1541.7
11°	1306.5	1290.9	1298.7	1293.1	1309.1
12°	1083.1	1084.4	1069.0	1073.9	1075.9
13°	881.4	860.6	863.2	876.5	878.8
14°	683.7	686.6	687.6	697.1	702.6
15°	533.9	536.2	536.2	547.9	552.8
17.5°	286.3	286.3	292.5	293.8	294.5
20°	163.2	164.2	167.8	167.4	164.2
22.5°	97.7	99.7	101.6	99.7	97.7
25°	59.0	62.9	64.5	63.5	60.6
27.5°	35.2	39.4	44.0	40.4	34.9
30°	21.8	24.1	30.9	24.8	22.8
32.5°	12.1	15.6	21.2	16.3	12.4
35°	7.8	9.4	13.0	9.4	8.5
37.5°	5.5	6.5	8.1	6.8	5.9
40°	3.9	4.6	5.2	4.9	3.9
42.5°	2.6	3.3	3.6	3.3	2.6
45°	1.3	2.0	2.3	2.0	1.6
47.5°	0.7	1.0	1.6	1.0	0.7
50°	0.7	0.7	1.0	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.3	0.7	0.3
60°	0.3	0.3	0.3	0.3	0.3
62.5°	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.3
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)