

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: P1317870

Luminaire Tested: LDSQA3D02R159830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317870  
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: LDSQA3D02R159830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

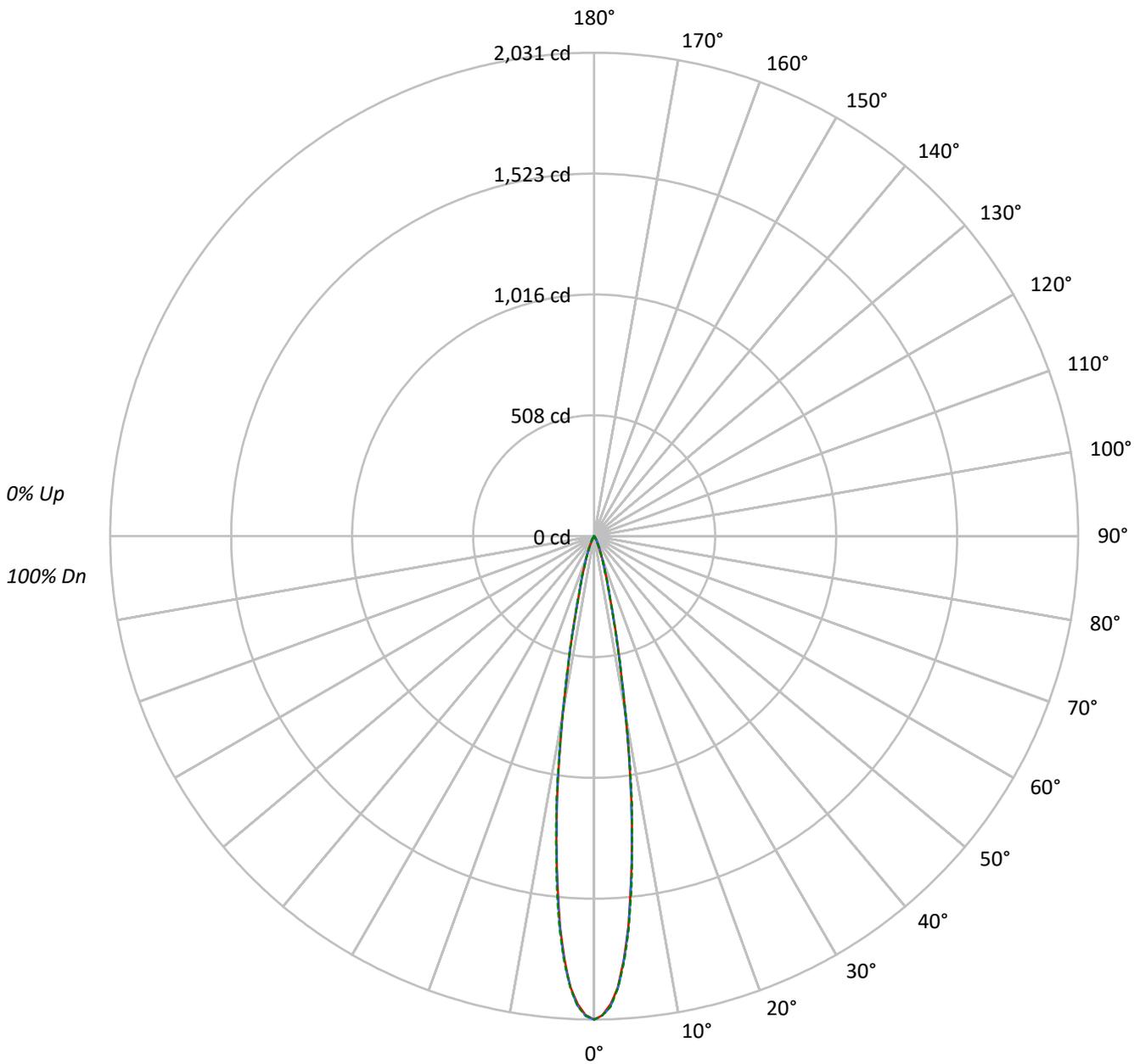
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 228.1 lumens  
Efficiency: N/A  
Efficacy: 63.4 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): 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

TEST NUMBER: P1317870  
CATALOG NUMBER: LDSQA3D02R159830DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - · - · 90°-270°



TEST NUMBER: P1317870  
 CATALOG NUMBER: LDSQA3D02R159830DE010 3LSQCDR1MW

**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	100	98
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	97
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	97	96	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	92	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	88	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°	349784	349784	349784
5°	284423	285408	286394
10°	132454	132576	131859
15°	40991	42453	41650
20°	16348	17265	16147
25°	6841	8057	6499
30°	2784	3699	2565
35°	904	1703	820
40°	315	674	315
45°	122	219	122
50°	107	134	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 219 cd/sqm



TEST NUMBER: P1317870

CATALOG NUMBER: LDSQA3D02R159830DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.1	55.7
10°-20°	76.0	33.3
20°-30°	19.3	8.5
30°-40°	4.2	1.8
40°-50°	0.7	0.3
50°-60°	0.4	0.2
60°-70°	0.2	0.1
70°-80°	0.1	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°	222.5	97.5
0°-40°	226.7	99.4
0°-60°	227.7	99.8
0°-90°	228.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	228.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2031	2031	2031	2031	2031	
5°	1645	1648	1651	1643	1657	127
15°	230	236	238	235	234	76
25°	36	38	42	38	34	18
35°	4	6	8	5	4	3
45°	0	1	1	1	0	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



TEST NUMBER: P1317870  
 CATALOG NUMBER: LDSQA3D02R159830DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2031.0	2031.0	2031.0	2031.0	2031.0
1°	2013.2	2016.6	2017.2	2016.6	2013.8
2°	1968.0	1978.0	1975.8	1971.5	1977.6
3°	1898.0	1903.0	1902.3	1902.6	1901.2
4°	1784.1	1792.9	1787.9	1791.6	1792.0
5°	1645.2	1647.5	1650.9	1643.4	1656.6
6°	1474.2	1489.1	1476.0	1488.9	1494.1
7°	1300.4	1309.0	1292.3	1301.3	1306.7
8°	1122.6	1107.6	1116.7	1116.9	1134.6
9°	930.7	933.8	941.5	932.7	940.4
10°	757.4	764.4	758.1	755.1	754.0
11°	598.1	606.0	605.4	606.3	600.4
12°	481.2	477.1	479.8	471.0	474.9
13°	374.5	374.7	372.5	369.0	365.7
14°	293.4	291.6	296.6	292.2	288.0
15°	229.9	236.3	238.1	234.7	233.6
17.5°	141.8	142.0	144.5	141.2	140.9
20°	89.2	91.3	94.2	90.8	88.1
22.5°	56.4	58.4	62.8	58.5	54.8
25°	36.0	38.5	42.4	37.6	34.2
27.5°	22.6	24.9	28.6	24.2	21.7
30°	14.0	15.6	18.6	15.2	12.9
32.5°	8.1	9.7	12.2	9.1	7.7
35°	4.3	5.5	8.1	5.4	3.9
37.5°	2.5	3.2	5.2	2.9	2.3
40°	1.4	2.0	3.0	1.8	1.4
42.5°	0.9	1.3	1.4	1.1	0.7
45°	0.5	0.7	0.9	0.7	0.5
47.5°	0.4	0.5	0.7	0.4	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	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
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°	0.2	0.2	0.2	0.2	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



TEST NUMBER: P1317870  
CATALOG NUMBER: LDSQA3D02R159830DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)