

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: P1308235

Luminaire Tested: LDSQA3D17R159027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308235  
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: LDSQA3D17R159027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

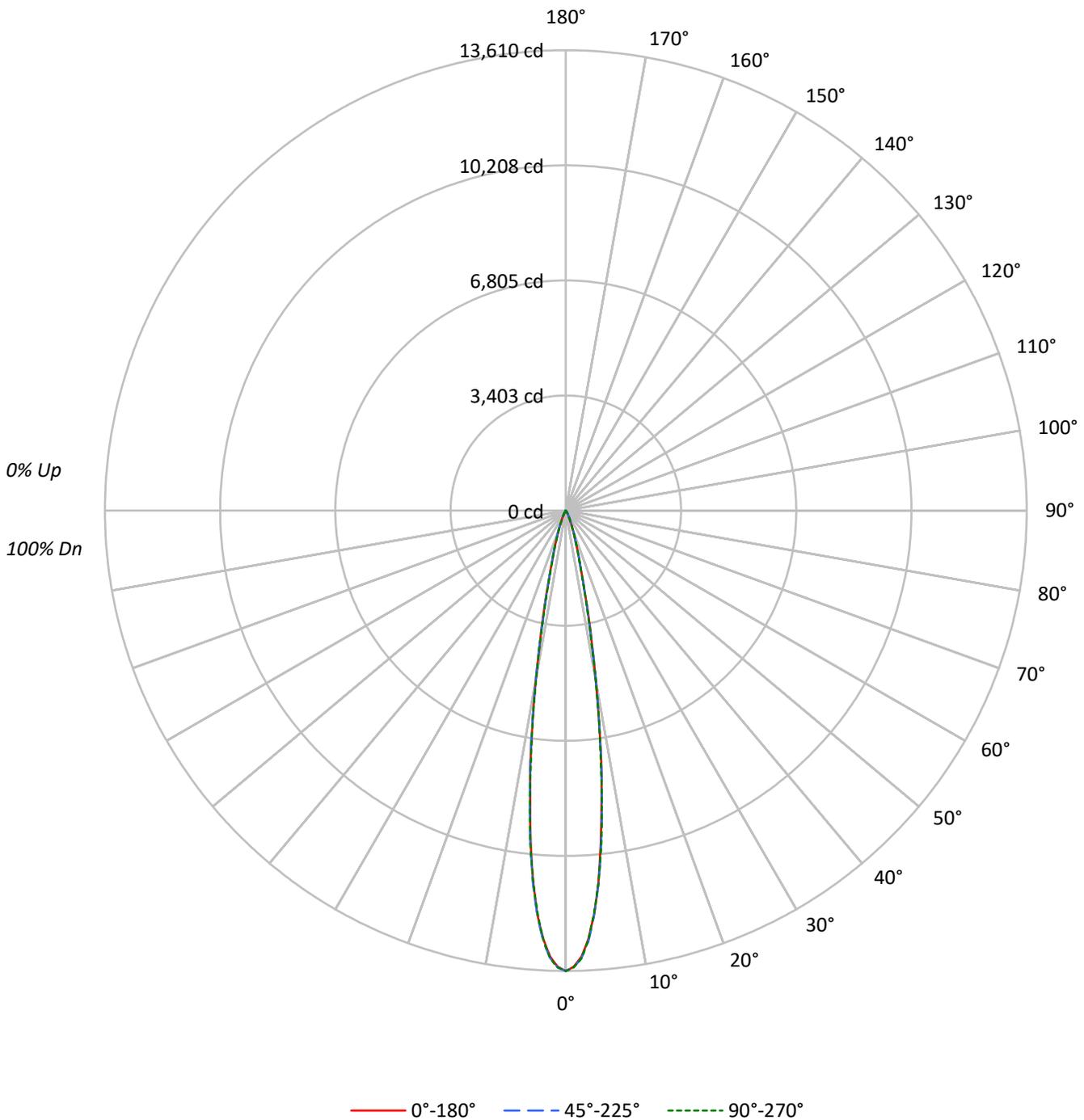
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1519.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 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): 21.2  
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

TEST NUMBER: P1308235  
CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1308235  
 CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQCDR1MB

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

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

	0°	45°	90°
0°	2343985	2343985	2343985
5°	1908445	1914669	1910935
10°	890241	898233	886884
15°	279553	281907	280195
20°	110753	115170	107234
25°	44751	54101	43155
30°	17918	24620	16963
35°	5298	10870	5046
40°	1619	4047	1349
45°	292	877	292
50°	0	322	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: 877 cd/sqm



TEST NUMBER: P1308235

CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	852.1	56.1
10°-20°	509.6	33.6
20°-30°	128.5	8.5
30°-40°	26.2	1.7
40°-50°	2.4	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°	1490.3	98.1
0°-40°	1516.5	99.8
0°-60°	1519.0	100.0
0°-90°	1519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13610	13610	13610	13610	13610	
5°	11039	11019	11075	11048	11054	850
15°	1568	1581	1581	1558	1572	510
25°	236	257	285	252	227	121
35°	25	34	52	32	24	21
45°	1	2	4	2	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



TEST NUMBER: P1308235  
 CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13610.2	13610.2	13610.2	13610.2	13610.2
1°	13487.6	13533.3	13509.3	13528.5	13506.9
2°	13195.7	13257.0	13237.7	13231.7	13248.5
3°	12681.5	12752.3	12749.9	12731.9	12703.1
4°	11979.8	11951.0	11995.4	11990.6	11941.4
5°	11039.1	11018.6	11075.1	11047.5	11053.5
6°	9888.0	9977.0	9957.7	9960.1	9983.0
7°	8651.7	8699.8	8740.7	8774.3	8727.4
8°	7516.4	7504.3	7507.9	7546.4	7416.6
9°	6245.2	6319.7	6271.6	6194.7	6244.0
10°	5090.6	5136.3	5136.3	5069.0	5071.4
11°	4058.5	4095.8	4069.4	4086.2	3980.5
12°	3271.6	3179.1	3157.4	3174.3	3173.1
13°	2497.8	2503.9	2497.8	2496.6	2484.6
14°	1958.4	1989.6	1976.4	1944.0	1929.6
15°	1567.9	1581.1	1581.1	1558.3	1571.5
17.5°	941.9	957.6	961.2	945.6	945.6
20°	604.3	611.5	628.4	605.5	585.1
22.5°	372.5	388.1	416.9	383.3	366.4
25°	235.5	257.1	284.7	252.3	227.1
27.5°	147.8	165.8	189.8	158.6	143.0
30°	90.1	102.1	123.8	99.7	85.3
32.5°	50.5	60.1	78.1	57.7	48.1
35°	25.2	33.6	51.7	32.4	24.0
37.5°	14.4	18.0	32.4	15.6	13.2
40°	7.2	9.6	18.0	9.6	6.0
42.5°	2.4	4.8	7.2	4.8	2.4
45°	1.2	2.4	3.6	2.4	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	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



TEST NUMBER: P1308235  
CATALOG NUMBER: LDSQA3D17R159027DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)