

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: P1319368

Luminaire Tested: LDSQA3D17R259835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

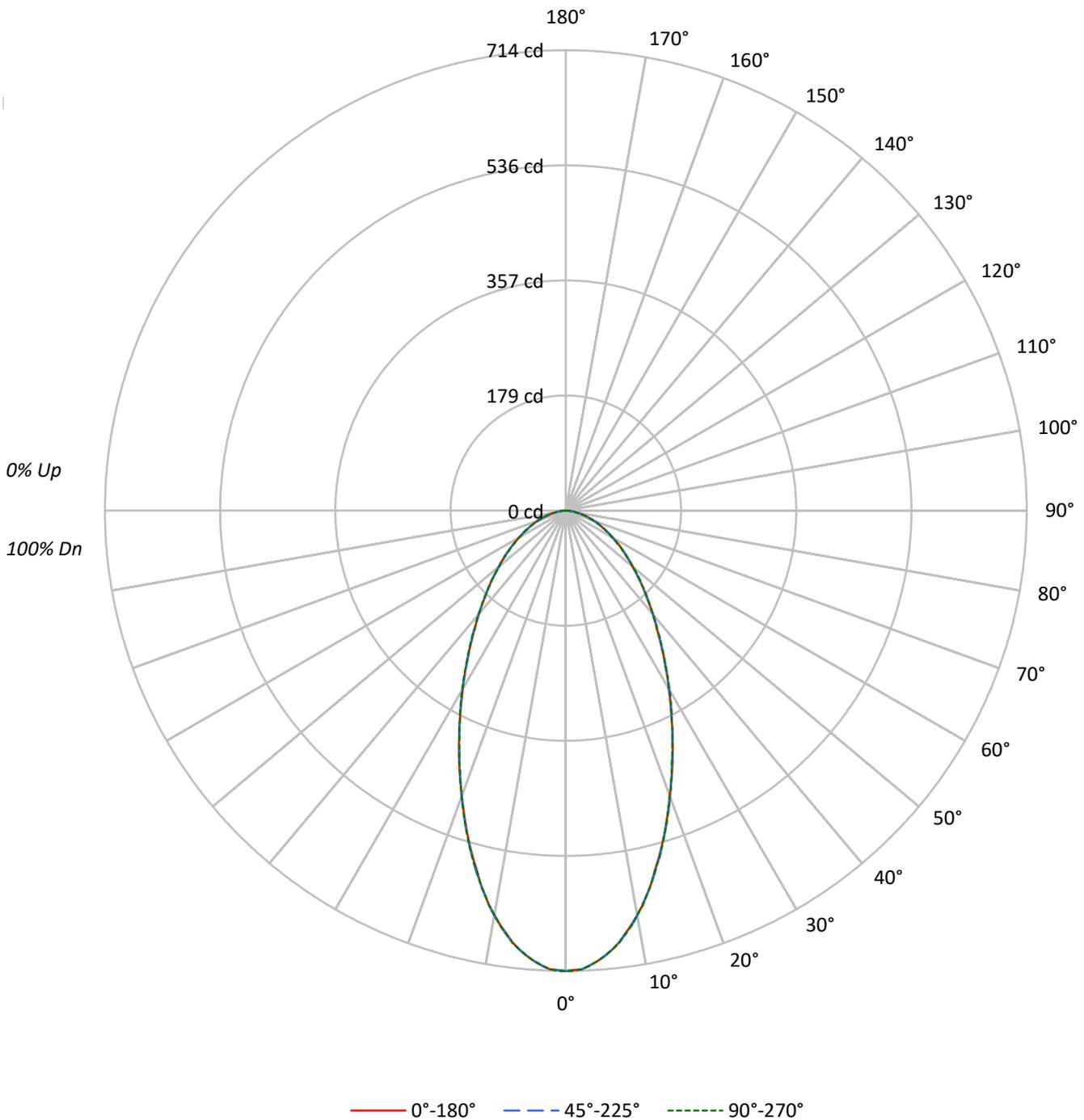
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 894.0 lumens  
Efficiency: N/A  
Efficacy: 43.8 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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: P1319368  
CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1319368

CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHRLD1MW

**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	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	55	
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	49	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	35	

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

	0°	45°	90°
0°	122984	122984	122984
5°	119841	119841	119841
10°	111363	111573	111363
15°	99312	99544	99544
20°	86341	86579	86341
25°	74376	74148	74148
30°	63438	63677	63935
35°	54432	54432	54685
40°	47167	47167	47167
45°	41235	41235	41235
50°	36171	36171	36492
55°	32428	32428	32428
60°	28727	28727	28727
65°	25999	25999	25999
70°	23465	22861	23465
75°	21227	20428	20428
80°	17059	17059	17059
85°	12054	12054	12054

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41235 cd/sqm



TEST NUMBER: P1319368

CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	7.2
10°-20°	155.4	17.4
20°-30°	179.6	20.1
30°-40°	162.8	18.2
40°-50°	131.2	14.7
50°-60°	96.6	10.8
60°-70°	63.6	7.1
70°-80°	32.8	3.7
80°-90°	7.4	0.8
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°	399.4	44.7
0°-40°	562.3	62.9
0°-60°	790.2	88.4
0°-90°	894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	714	714	714	714	714	
5°	693	696	693	693	693	64
15°	557	558	558	557	558	155
25°	391	390	390	391	390	180
35°	259	259	259	259	260	163
45°	169	169	169	169	169	131
55°	108	108	108	107	108	97
65°	64	64	64	64	64	64
75°	32	31	31	31	31	33
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



TEST NUMBER: P1319368

CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	714.1	714.1	714.1	714.1	714.1
1°	712.8	715.3	712.8	712.8	714.1
2°	711.6	712.8	711.6	711.6	711.6
3°	706.7	709.2	706.7	706.7	706.7
4°	700.6	703.0	700.6	700.6	700.6
5°	693.2	695.7	693.2	693.2	693.2
6°	684.6	685.9	684.6	684.6	684.6
7°	674.8	676.0	674.8	674.8	676.0
8°	662.5	663.8	663.8	662.5	662.5
9°	650.3	651.5	651.5	650.3	651.5
10°	636.8	638.0	638.0	636.8	636.8
11°	623.3	624.5	622.1	622.1	623.3
12°	607.3	608.6	607.3	607.3	607.3
13°	591.4	591.4	591.4	591.4	591.4
14°	573.0	575.4	575.4	574.2	573.0
15°	557.0	558.3	558.3	557.0	558.3
17.5°	514.1	516.5	515.3	515.3	515.3
20°	471.1	472.4	472.4	471.1	471.1
22.5°	430.7	429.4	429.4	429.4	429.4
25°	391.4	390.2	390.2	391.4	390.2
27.5°	353.4	354.6	354.6	353.4	354.6
30°	319.0	319.0	320.2	319.0	321.5
32.5°	288.3	288.3	287.1	288.3	288.3
35°	258.9	258.9	258.9	258.9	260.1
37.5°	231.9	233.1	234.3	234.3	233.1
40°	209.8	209.8	209.8	209.8	209.8
42.5°	187.7	187.7	188.9	188.9	188.9
45°	169.3	169.3	169.3	169.3	169.3
47.5°	152.1	152.1	150.9	150.9	152.1
50°	135.0	136.2	135.0	135.0	136.2
52.5°	121.5	120.2	120.2	121.5	121.5
55°	108.0	108.0	108.0	106.7	108.0
57.5°	95.7	95.7	94.5	94.5	94.5
60°	83.4	83.4	83.4	83.4	83.4
62.5°	73.6	73.6	73.6	73.6	73.6
65°	63.8	63.8	63.8	63.8	63.8
67.5°	55.2	55.2	55.2	55.2	54.0
70°	46.6	46.6	45.4	45.4	46.6
72.5°	38.0	38.0	38.0	38.0	38.0
75°	31.9	30.7	30.7	30.7	30.7
77.5°	24.5	24.5	23.3	24.5	23.3
80°	17.2	17.2	17.2	17.2	17.2
82.5°	12.3	11.0	11.0	11.0	11.0
85°	6.1	6.1	6.1	6.1	6.1
87.5°	1.2	1.2	1.2	1.2	2.5



TEST NUMBER: P1319368

CATALOG NUMBER: LDSQA3D17R259835DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)