

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: P1319169

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

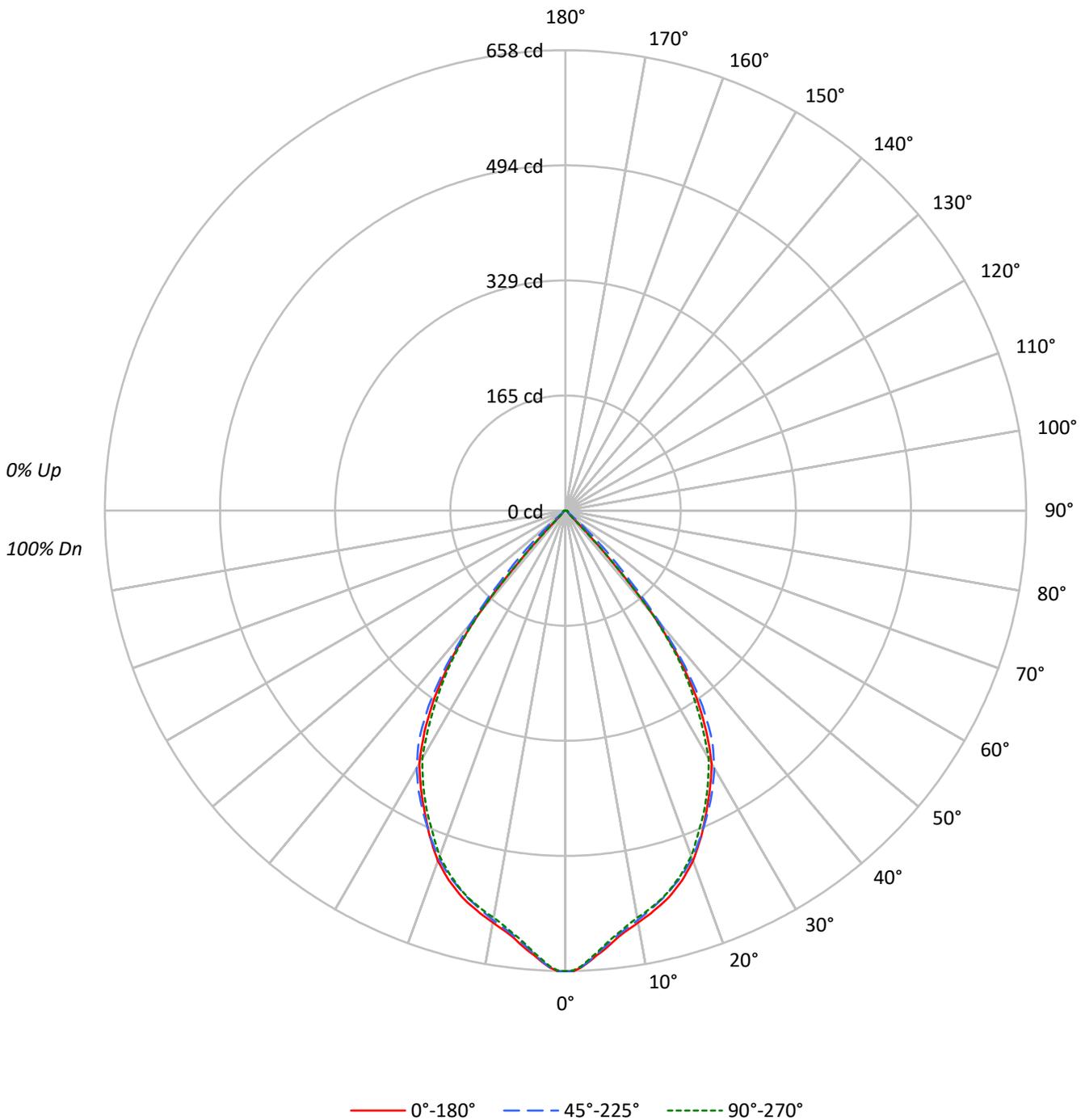
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 702.0 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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: P1319169  
CATALOG NUMBER: LDSQA3D09R709835DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





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**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86	86	86	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79	79	79	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

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

	0°	45°	90°
0°	113391	113391	113391
5°	108984	108396	107998
10°	104560	103966	103266
15°	101933	100810	100703
20°	97668	96934	96293
25°	90415	91061	89332
30°	83046	84518	81356
35°	68498	71736	65849
40°	43615	46943	43615
45°	3069	20289	3337
50°	1366	4126	1366
55°	1531	1531	1531
60°	1584	1584	1584
65°	1386	1630	1386
70°	1460	1712	1460
75°	1530	1530	1530
80°	1686	1686	1686
85°	1186	2174	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 20289 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	8.4
10°-20°	159.1	22.7
20°-30°	218.6	31.1
30°-40°	200.3	28.5
40°-50°	53.1	7.6
50°-60°	4.7	0.7
60°-70°	3.9	0.6
70°-80°	2.6	0.4
80°-90°	1.0	0.1
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°	436.4	62.2
0°-40°	636.7	90.7
0°-60°	694.6	98.9
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	630	628	627	626	625	59
15°	572	566	565	565	565	160
25°	476	478	479	474	470	219
35°	326	331	341	326	313	198
45°	13	43	83	43	14	38
55°	5	5	5	5	5	4
65°	3	4	4	4	3	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	658.4	658.4	658.4	658.4	658.4
1°	658.4	657.2	658.4	658.4	657.2
2°	653.2	652.1	652.7	652.1	651.5
3°	645.8	644.1	644.7	643.5	642.4
4°	637.3	635.6	635.6	635.0	633.8
5°	630.4	627.6	627.0	625.9	624.7
6°	622.4	619.6	619.0	617.3	616.2
7°	614.4	612.2	611.6	609.3	609.3
8°	608.2	605.3	605.3	602.5	602.5
9°	603.0	599.6	599.6	597.3	596.2
10°	597.9	594.5	594.5	591.6	590.5
11°	592.8	589.9	588.8	587.1	586.5
12°	588.2	584.2	583.1	582.5	581.4
13°	582.5	578.5	577.4	576.8	576.2
14°	577.4	572.2	571.7	570.5	571.1
15°	571.7	566.5	565.4	565.4	564.8
17.5°	554.0	550.5	548.8	547.7	546.6
20°	532.9	530.0	528.9	526.6	525.4
22.5°	505.5	504.9	504.3	501.5	496.9
25°	475.8	477.5	479.2	473.5	470.1
27.5°	447.3	451.8	453.6	447.9	440.4
30°	417.6	421.6	425.0	417.0	409.1
32.5°	374.8	384.5	389.7	380.5	362.3
35°	325.8	330.9	341.2	325.8	313.2
37.5°	268.7	271.6	279.6	269.3	260.7
40°	194.0	202.5	208.8	202.5	194.0
42.5°	87.3	122.1	138.1	128.9	91.3
45°	12.6	42.8	83.3	43.4	13.7
47.5°	5.1	6.8	43.4	6.3	5.1
50°	5.1	5.1	15.4	5.1	5.1
52.5°	5.1	5.1	5.7	5.1	5.1
55°	5.1	5.1	5.1	5.1	5.1
57.5°	4.6	4.6	5.1	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6
62.5°	4.0	4.6	4.6	4.6	4.0
65°	3.4	4.0	4.0	4.0	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	2.9	3.4	3.4	3.4	2.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.7	2.3	2.3	2.3	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.6	1.1	1.1	1.1	0.6
87.5°	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P1319169  
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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)