

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: P1319314

Luminaire Tested: LDSQA3D13R709835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

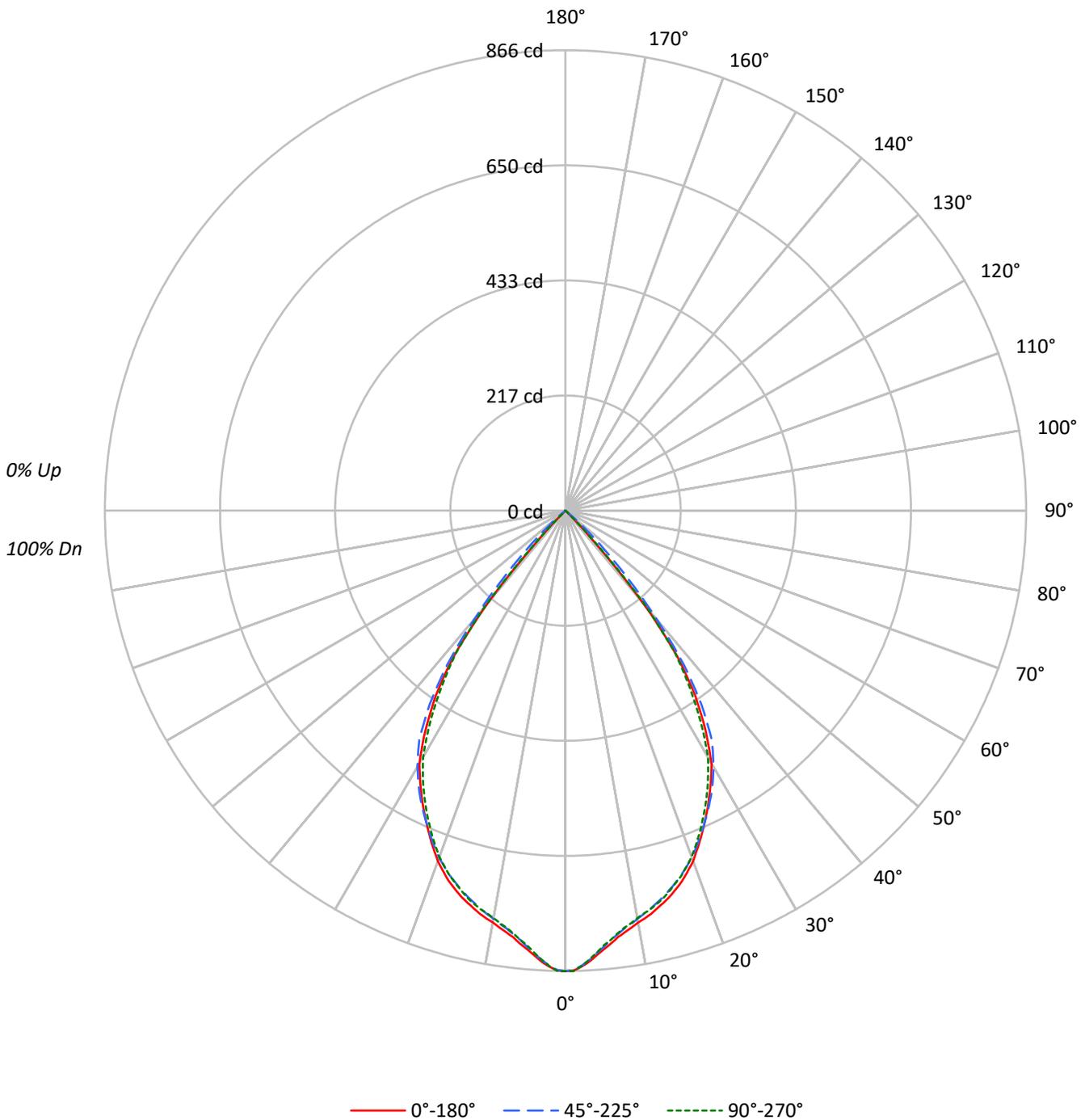
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 896.0 lumens  
Efficiency: N/A  
Efficacy: 61.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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: P1319314  
CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1319314

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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
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80				80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74				74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68				68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63				63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59				59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48				48

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

	0°	45°	90°
0°	149162	149162	149162
5°	143180	142384	142004
10°	137543	136354	136091
15°	134294	132404	132672
20°	128586	127340	127065
25°	119356	119660	117779
30°	109237	110748	106532
35°	89375	93664	85864
40°	51439	59960	52810
45°	731	24916	2582
50°	0	2653	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: 24916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.3	8.6
10°-20°	209.4	23.4
20°-30°	287.6	32.1
30°-40°	260.8	29.1
40°-50°	60.6	6.8
50°-60°	0.3	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°	574.3	64.1
0°-40°	835.1	93.2
0°-60°	896.0	100.0
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	828	826	824	822	821	78
15°	753	748	743	743	744	211
25°	628	631	630	624	620	288
35°	425	431	446	427	408	255
45°	3	34	102	44	11	37
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	866.1	866.1	866.1	866.1	866.1
1°	865.3	863.8	864.5	865.3	866.1
2°	858.5	857.0	857.0	857.7	857.7
3°	850.1	847.1	847.1	846.4	846.4
4°	838.8	836.5	835.0	834.2	834.2
5°	828.2	825.9	823.6	822.1	821.4
6°	819.1	815.3	812.3	811.5	812.3
7°	808.5	806.2	803.2	800.9	801.7
8°	800.9	797.9	794.1	792.6	792.6
9°	794.1	791.0	787.3	784.2	785.7
10°	786.5	783.5	779.7	777.4	778.2
11°	781.2	777.4	772.9	771.3	772.1
12°	775.1	770.6	766.0	765.3	766.8
13°	767.6	763.0	758.5	758.5	760.0
14°	760.7	755.4	750.9	750.9	753.2
15°	753.2	747.9	742.6	742.6	744.1
17.5°	730.4	725.9	720.6	720.6	721.3
20°	701.6	699.4	694.8	692.5	693.3
22.5°	665.3	665.3	663.0	659.2	657.7
25°	628.1	631.2	629.7	623.6	619.8
27.5°	589.5	594.8	595.6	586.5	579.6
30°	549.3	553.9	556.9	546.3	535.7
32.5°	490.2	503.9	511.5	497.1	475.1
35°	425.1	431.1	445.5	426.6	408.4
37.5°	345.5	353.1	365.2	350.1	339.5
40°	228.8	259.1	266.7	259.1	234.9
42.5°	82.6	145.5	175.0	148.5	97.0
45°	3.0	34.1	102.3	43.9	10.6
47.5°	0.0	0.8	46.2	1.5	0.0
50°	0.0	0.0	9.9	0.0	0.0
52.5°	0.0	0.0	0.8	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



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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)