

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: P1318801

Luminaire Tested: LDSQA3D02R309835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318801  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

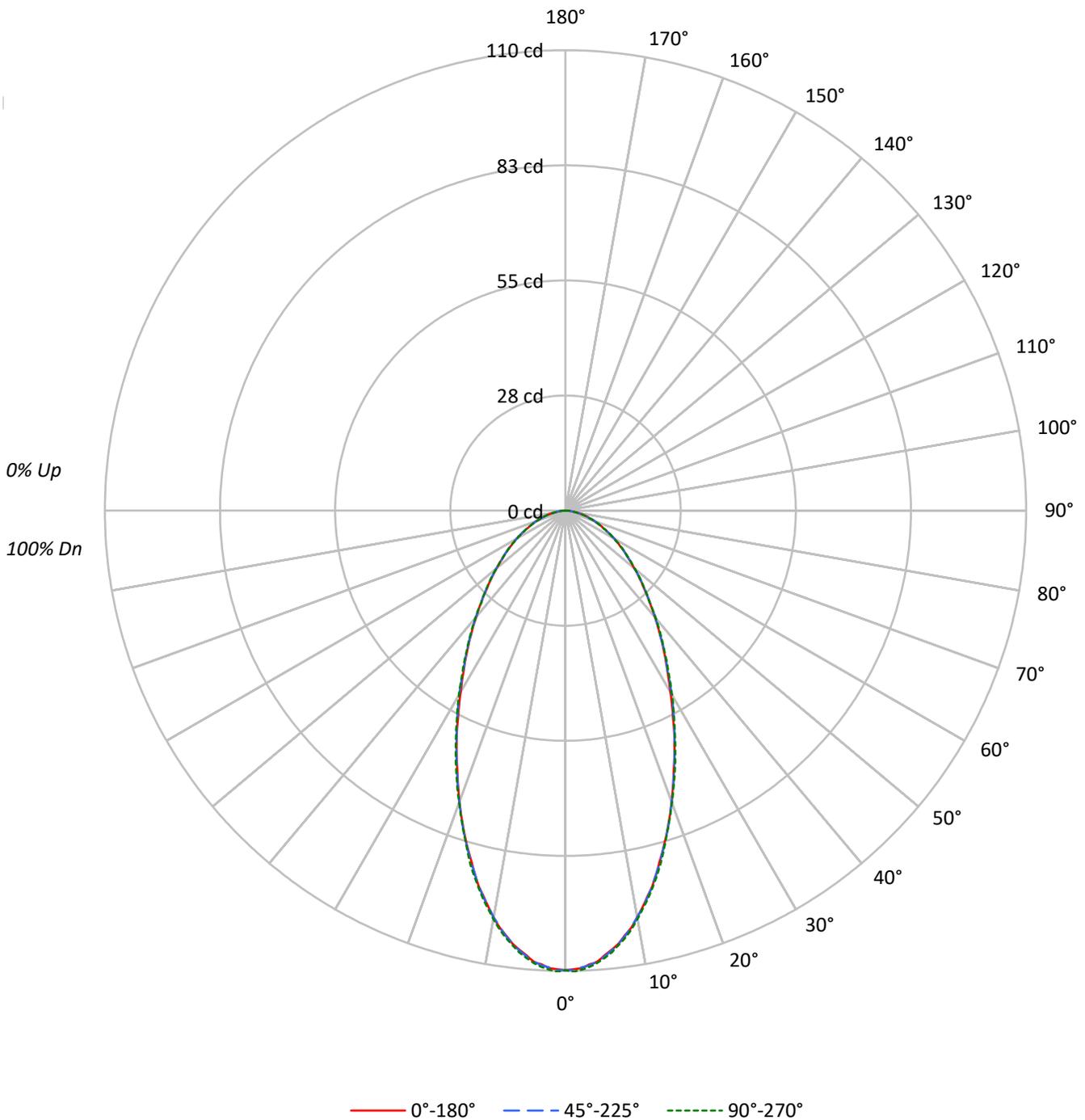
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 141.0 lumens  
Efficiency: N/A  
Efficacy: 39.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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 (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

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### Luminous Intensity Polar Plot





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**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	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60		
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54		
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

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

	0°	45°	90°
0°	18910	18910	18910
5°	18446	18481	18550
10°	17261	17261	17331
15°	15476	15512	15619
20°	13581	13581	13617
25°	11706	11706	11782
30°	9963	10082	10122
35°	8620	8662	8683
40°	7464	7509	7531
45°	6503	6552	6552
50°	5761	5761	5787
55°	5164	5164	5164
60°	4650	4650	4650
65°	4116	4116	4116
70°	3726	3726	3726
75°	3394	3261	3261
80°	2876	2678	2678
85°	1976	1976	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 6552 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	7.1
10°-20°	24.2	17.2
20°-30°	28.3	20.1
30°-40°	25.8	18.3
40°-50°	20.8	14.8
50°-60°	15.4	10.9
60°-70°	10.1	7.2
70°-80°	5.2	3.7
80°-90°	1.2	0.9
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°	62.5	44.3
0°-40°	88.3	62.6
0°-60°	124.5	88.3
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	110	110	110	110	110	
5°	107	107	107	107	107	10
15°	87	87	87	87	88	24
25°	62	61	62	62	62	28
35°	41	41	41	41	41	26
45°	27	27	27	27	27	21
55°	17	17	17	17	17	15
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	109.8	109.8	109.8	109.8	109.8
1°	109.6	109.6	109.8	109.6	110.2
2°	109.4	109.2	109.2	109.2	109.8
3°	108.6	108.6	108.8	108.6	109.2
4°	108.1	107.9	108.1	107.9	108.4
5°	106.7	106.7	106.9	106.9	107.3
6°	105.5	105.5	105.7	105.5	106.1
7°	104.2	104.2	104.2	104.2	104.5
8°	102.4	102.4	102.6	102.6	103.0
9°	100.8	100.6	100.6	100.6	101.2
10°	98.7	98.7	98.7	98.7	99.1
11°	96.5	96.5	96.5	96.5	96.9
12°	94.2	94.2	94.4	94.2	94.8
13°	92.1	92.1	92.1	92.1	92.4
14°	89.5	89.3	89.5	89.5	90.1
15°	86.8	87.0	87.0	87.0	87.6
17.5°	80.6	80.6	80.7	80.4	80.7
20°	74.1	73.9	74.1	74.1	74.3
22.5°	67.5	67.7	67.7	67.7	68.1
25°	61.6	61.4	61.6	61.6	62.0
27.5°	55.6	55.8	56.0	55.8	56.2
30°	50.1	50.5	50.7	50.3	50.9
32.5°	45.2	45.2	45.4	45.6	45.8
35°	41.0	40.8	41.2	41.2	41.3
37.5°	36.9	36.9	36.9	37.1	37.3
40°	33.2	33.2	33.4	33.4	33.5
42.5°	29.8	29.6	29.8	29.8	29.8
45°	26.7	26.9	26.9	26.9	26.9
47.5°	24.0	24.0	24.2	24.0	24.2
50°	21.5	21.5	21.5	21.5	21.6
52.5°	19.1	19.1	19.1	19.1	19.3
55°	17.2	17.0	17.2	17.0	17.2
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.5	13.3	13.5	13.3	13.5
62.5°	11.7	11.7	11.7	11.7	11.7
65°	10.1	10.1	10.1	10.1	10.1
67.5°	8.8	8.8	8.8	8.6	8.6
70°	7.4	7.4	7.4	7.4	7.4
72.5°	6.2	6.0	6.0	6.0	6.0
75°	5.1	4.9	4.9	4.9	4.9
77.5°	3.9	3.9	3.7	3.7	3.9
80°	2.9	2.7	2.7	2.7	2.7
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.4	0.4



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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)