

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: P1310962

Luminaire Tested: LDSQA3D02R209040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209040DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

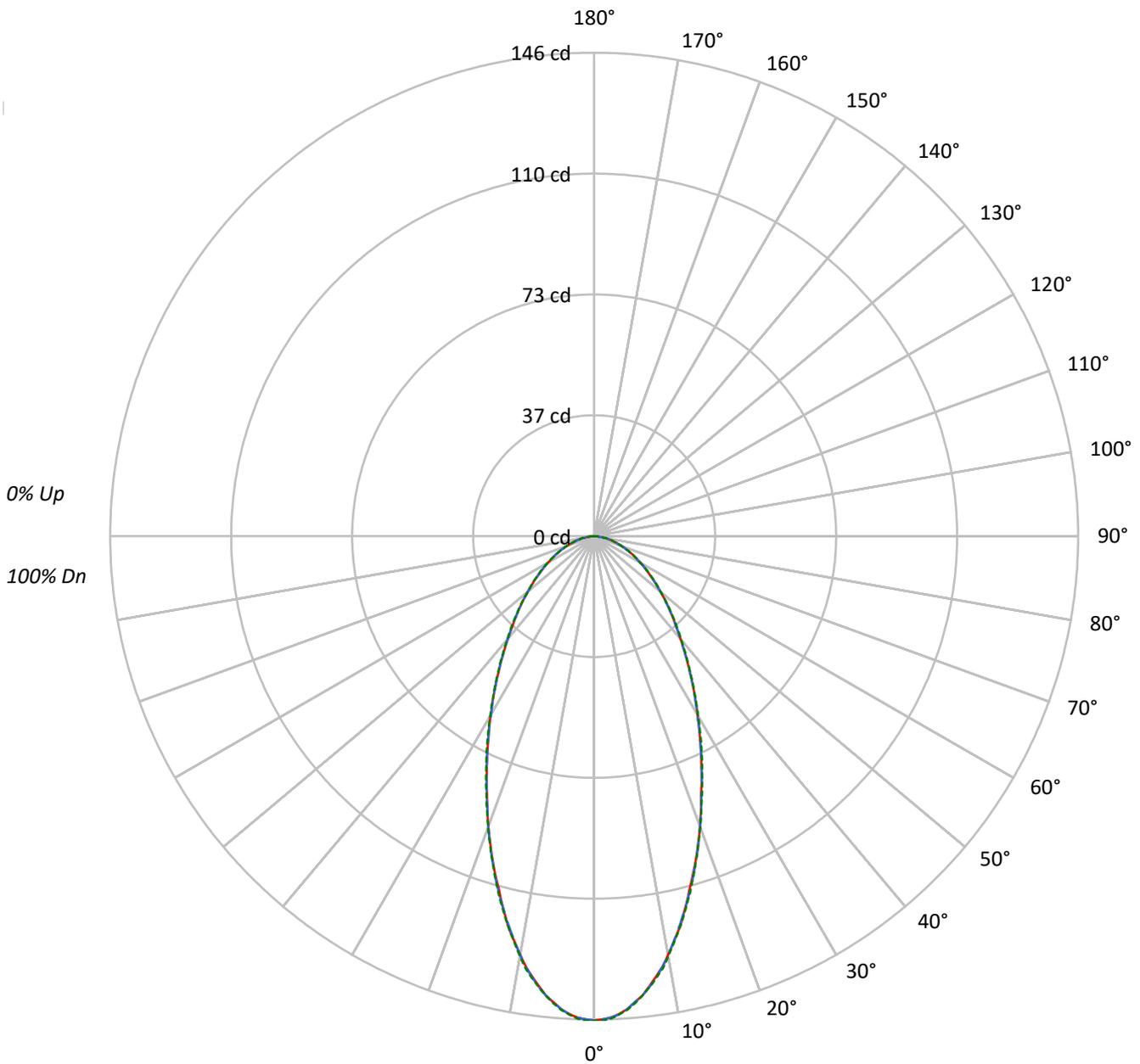
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 175.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

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

	0°	45°	90°
0°	25196	25196	25196
5°	24428	24428	24480
10°	22437	22472	22524
15°	19755	19845	19898
20°	17100	17100	17136
25°	14556	14556	14651
30°	12409	12369	12469
35°	10596	10596	10659
40°	9105	9105	9173
45°	7964	7964	8013
50°	6993	6993	6993
55°	6185	6185	6275
60°	5580	5580	5580
65°	5012	5012	5012
70°	4482	4482	4482
75°	3993	3793	3993
80°	3372	3372	3372
85°	1976	1976	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 8013 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.1	7.5
10°-20°	31.0	17.7
20°-30°	35.3	20.2
30°-40°	31.7	18.1
40°-50°	25.4	14.5
50°-60°	18.6	10.7
60°-70°	12.2	7.0
70°-80°	6.3	3.6
80°-90°	1.5	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°	79.3	45.3
0°-40°	111.0	63.4
0°-60°	155.0	88.6
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	146	146	146	146	146	
5°	141	141	141	141	142	13
15°	111	111	111	111	112	31
25°	77	77	77	77	77	35
35°	50	50	50	50	51	32
45°	33	33	33	33	33	25
55°	21	21	21	21	21	19
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
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°	146.3	146.3	146.3	146.3	146.3
1°	146.0	145.8	146.0	146.0	146.3
2°	145.5	145.5	145.5	145.3	145.8
3°	144.5	144.5	144.7	144.5	144.7
4°	143.2	143.2	143.2	142.9	143.4
5°	141.3	141.3	141.3	141.3	141.6
6°	139.5	139.3	139.5	139.3	139.5
7°	136.9	136.9	137.2	136.9	137.2
8°	134.3	134.0	134.6	134.3	134.8
9°	131.7	131.4	131.7	131.4	132.2
10°	128.3	128.5	128.5	128.5	128.8
12.5°	120.4	119.9	119.9	119.9	120.4
15°	110.8	110.8	111.3	111.3	111.6
17.5°	102.2	101.9	102.4	102.4	102.4
20°	93.3	93.0	93.3	93.3	93.5
22.5°	84.4	84.6	84.6	84.6	84.9
25°	76.6	76.6	76.6	76.8	77.1
27.5°	69.2	69.0	69.2	69.5	69.8
30°	62.4	62.2	62.2	62.4	62.7
32.5°	56.2	55.9	56.2	56.2	56.4
35°	50.4	50.4	50.4	50.4	50.7
37.5°	45.2	45.2	45.2	45.5	45.5
40°	40.5	40.5	40.5	40.8	40.8
42.5°	36.3	36.3	36.3	36.6	36.8
45°	32.7	32.7	32.7	32.7	32.9
47.5°	29.3	29.3	29.3	29.5	29.5
50°	26.1	25.9	26.1	26.4	26.1
52.5°	23.3	23.3	23.3	23.3	23.5
55°	20.6	20.6	20.6	20.6	20.9
57.5°	18.3	18.3	18.3	18.5	18.5
60°	16.2	16.2	16.2	16.2	16.2
62.5°	14.1	14.1	14.1	14.1	14.1
65°	12.3	12.0	12.3	12.3	12.3
67.5°	10.5	10.5	10.5	10.5	10.5
70°	8.9	8.9	8.9	8.9	8.9
72.5°	7.3	7.3	7.3	7.3	7.3
75°	6.0	5.7	5.7	6.0	6.0
77.5°	4.7	4.4	4.7	4.7	4.7
80°	3.4	3.4	3.4	3.4	3.4
82.5°	2.1	2.1	2.1	2.4	2.4
85°	1.0	1.0	1.0	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)