

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: P1315303

Luminaire Tested: LDSQA3D05R309735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315303  
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: LDSQA3D05R309735DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

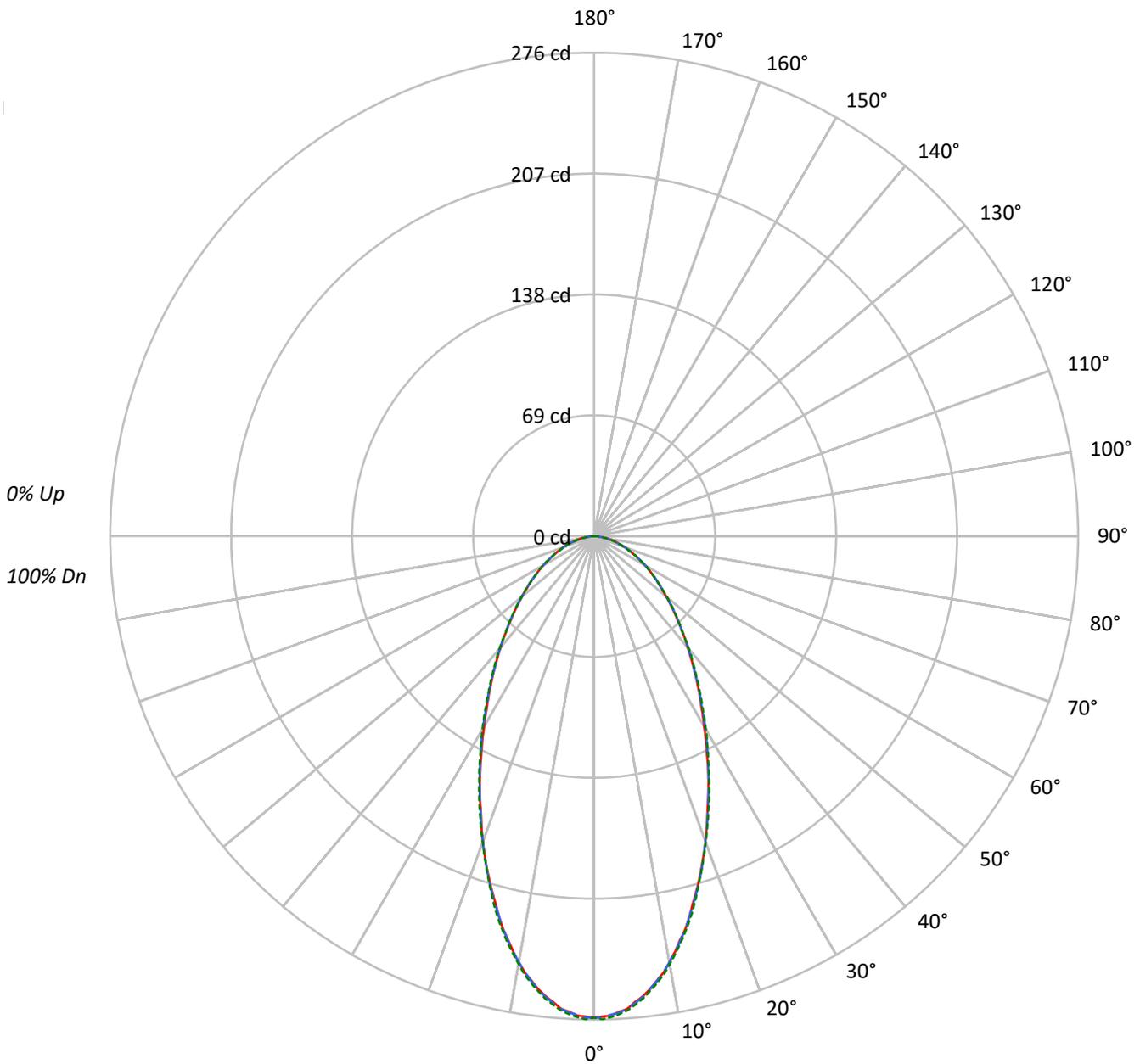
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 353.0 lumens  
Efficiency: N/A  
Efficacy: 49.0 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): 7.2  
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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	47344	47344	47344
5°	46176	46263	46436
10°	43213	43213	43388
15°	38744	38833	39083
20°	34016	34016	34089
25°	29321	29321	29511
30°	24958	25256	25335
35°	21550	21655	21760
40°	18660	18773	18885
45°	16294	16416	16416
50°	14388	14388	14522
55°	12911	12911	12911
60°	11608	11608	11608
65°	10351	10351	10351
70°	9366	9366	9366
75°	8451	8118	8118
80°	7240	6744	6744
85°	4742	4742	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16416 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.9	7.1
10°-20°	60.7	17.2
20°-30°	70.9	20.1
30°-40°	64.5	18.3
40°-50°	52.1	14.8
50°-60°	38.5	10.9
60°-70°	25.4	7.2
70°-80°	13.1	3.7
80°-90°	3.0	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°	156.5	44.3
0°-40°	221.0	62.6
0°-60°	311.6	88.3
0°-90°	353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	353.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	275	275	275	275	275	
5°	267	267	268	268	269	25
15°	217	218	218	218	219	61
25°	154	154	154	154	155	71
35°	102	102	103	103	104	64
45°	67	67	67	67	67	52
55°	43	42	43	42	43	39
65°	25	25	25	25	25	25
75°	13	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	274.9	274.9	274.9	274.9	274.9
1°	274.4	274.4	274.9	274.4	275.9
2°	273.9	273.4	273.4	273.4	274.9
3°	272.0	272.0	272.5	272.0	273.4
4°	270.5	270.0	270.5	270.0	271.5
5°	267.1	267.1	267.6	267.6	268.6
6°	264.2	264.2	264.7	264.2	265.6
7°	260.7	260.7	260.7	260.7	261.7
8°	256.4	256.4	256.8	256.8	257.8
9°	252.4	252.0	252.0	252.0	253.4
10°	247.1	247.1	247.1	247.1	248.1
11°	241.7	241.7	241.7	241.7	242.7
12°	235.8	235.8	236.3	235.8	237.3
13°	230.5	230.5	230.5	230.5	231.5
14°	224.1	223.6	224.1	224.1	225.6
15°	217.3	217.8	217.8	217.8	219.2
17.5°	201.7	201.7	202.2	201.2	202.2
20°	185.6	185.1	185.6	185.6	186.0
22.5°	169.0	169.4	169.4	169.4	170.4
25°	154.3	153.8	154.3	154.3	155.3
27.5°	139.2	139.7	140.1	139.7	140.6
30°	125.5	126.5	127.0	126.0	127.4
32.5°	113.3	113.3	113.8	114.3	114.7
35°	102.5	102.1	103.0	103.0	103.5
37.5°	92.3	92.3	92.3	92.8	93.3
40°	83.0	83.0	83.5	83.5	84.0
42.5°	74.7	74.2	74.7	74.7	74.7
45°	66.9	67.4	67.4	67.4	67.4
47.5°	60.1	60.1	60.5	60.1	60.5
50°	53.7	53.7	53.7	53.7	54.2
52.5°	47.9	47.9	47.9	47.9	48.3
55°	43.0	42.5	43.0	42.5	43.0
57.5°	38.1	38.1	38.1	38.1	38.1
60°	33.7	33.2	33.7	33.2	33.7
62.5°	29.3	29.3	29.3	29.3	29.3
65°	25.4	25.4	25.4	25.4	25.4
67.5°	22.0	22.0	22.0	21.5	21.5
70°	18.6	18.6	18.6	18.6	18.6
72.5°	15.6	15.1	15.1	15.1	15.1
75°	12.7	12.2	12.2	12.2	12.2
77.5°	9.8	9.8	9.3	9.3	9.8
80°	7.3	6.8	6.8	6.8	6.8
82.5°	4.4	4.4	4.4	4.4	4.4
85°	2.4	2.4	2.4	2.4	2.4
87.5°	0.5	0.5	0.5	1.0	1.0



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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)