

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: P1324843

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324843  
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: LDSQA3D05R30W2N902765DE010 3LSQPHRLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

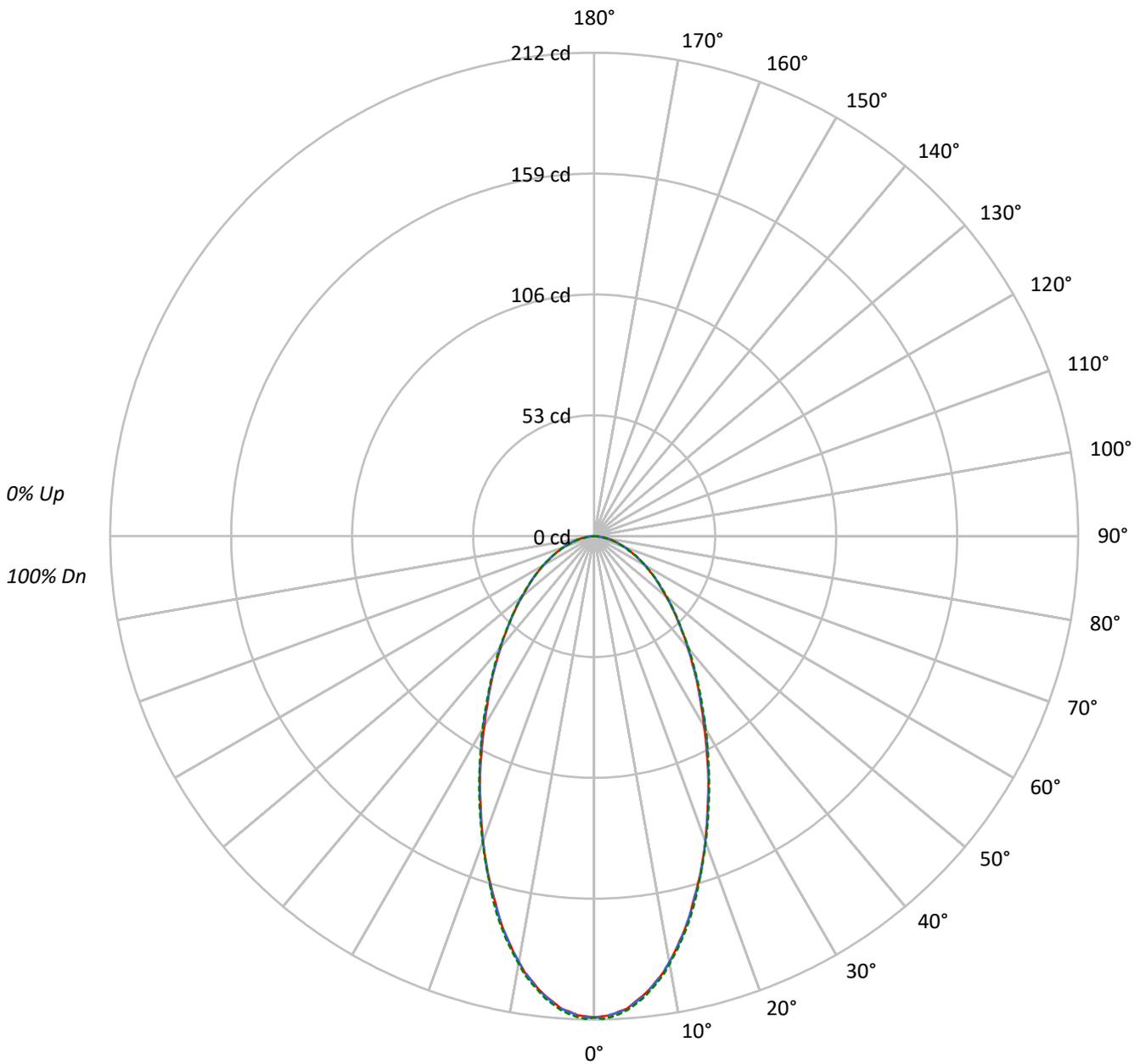
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 271.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 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): 5.9  
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	87	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°	36356	36356	36356
5°	35458	35510	35648
10°	33175	33175	33297
15°	29740	29811	30008
20°	26098	26098	26172
25°	22518	22518	22651
30°	19151	19389	19449
35°	16546	16630	16714
40°	14321	14411	14501
45°	12519	12592	12592
50°	11039	11039	11146
55°	9909	9909	9909
60°	8921	8921	8921
65°	7947	7947	7947
70°	7150	7150	7150
75°	6455	6255	6255
80°	5554	5157	5157
85°	3754	3754	3754

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 12592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	7.1
10°-20°	46.6	17.2
20°-30°	54.4	20.1
30°-40°	49.5	18.3
40°-50°	40.0	14.8
50°-60°	29.5	10.9
60°-70°	19.5	7.2
70°-80°	10.0	3.7
80°-90°	2.3	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°	120.1	44.3
0°-40°	169.6	62.6
0°-60°	239.2	88.3
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	211	211	211	211	211	
5°	205	205	205	205	206	19
15°	167	167	167	167	168	47
25°	118	118	118	118	119	54
35°	79	78	79	79	80	49
45°	51	52	52	52	52	40
55°	33	33	33	33	33	30
65°	20	20	20	20	20	20
75°	10	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	211.1	211.1	211.1	211.1	211.1
1°	210.7	210.7	211.1	210.7	211.8
2°	210.3	209.9	209.9	209.9	211.1
3°	208.8	208.8	209.2	208.8	209.9
4°	207.7	207.3	207.7	207.3	208.4
5°	205.1	205.1	205.4	205.4	206.2
6°	202.8	202.8	203.2	202.8	203.9
7°	200.2	200.2	200.2	200.2	200.9
8°	196.8	196.8	197.2	197.2	197.9
9°	193.8	193.4	193.4	193.4	194.6
10°	189.7	189.7	189.7	189.7	190.4
11°	185.6	185.6	185.6	185.6	186.3
12°	181.1	181.1	181.4	181.1	182.2
13°	176.9	176.9	176.9	176.9	177.7
14°	172.1	171.7	172.1	172.1	173.2
15°	166.8	167.2	167.2	167.2	168.3
17.5°	154.8	154.8	155.2	154.4	155.2
20°	142.4	142.1	142.4	142.4	142.8
22.5°	129.7	130.1	130.1	130.1	130.8
25°	118.5	118.1	118.5	118.5	119.2
27.5°	106.8	107.2	107.6	107.2	108.0
30°	96.3	97.1	97.5	96.7	97.8
32.5°	87.0	87.0	87.3	87.7	88.1
35°	78.7	78.3	79.1	79.1	79.5
37.5°	70.8	70.8	70.8	71.2	71.6
40°	63.7	63.7	64.1	64.1	64.5
42.5°	57.4	57.0	57.4	57.4	57.4
45°	51.4	51.7	51.7	51.7	51.7
47.5°	46.1	46.1	46.5	46.1	46.5
50°	41.2	41.2	41.2	41.2	41.6
52.5°	36.7	36.7	36.7	36.7	37.1
55°	33.0	32.6	33.0	32.6	33.0
57.5°	29.2	29.2	29.2	29.2	29.2
60°	25.9	25.5	25.9	25.5	25.9
62.5°	22.5	22.5	22.5	22.5	22.5
65°	19.5	19.5	19.5	19.5	19.5
67.5°	16.9	16.9	16.9	16.5	16.5
70°	14.2	14.2	14.2	14.2	14.2
72.5°	12.0	11.6	11.6	11.6	11.6
75°	9.7	9.4	9.4	9.4	9.4
77.5°	7.5	7.5	7.1	7.1	7.5
80°	5.6	5.2	5.2	5.2	5.2
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.4	0.4	0.4	0.7	0.7



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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)