

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: P1324469

Luminaire Tested: LDSQA3D05R20W2N902765DE010 3LSQPHRLD1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1324469  
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: LDSQA3D05R20W2N902765DE010 3LSQPHRLD1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

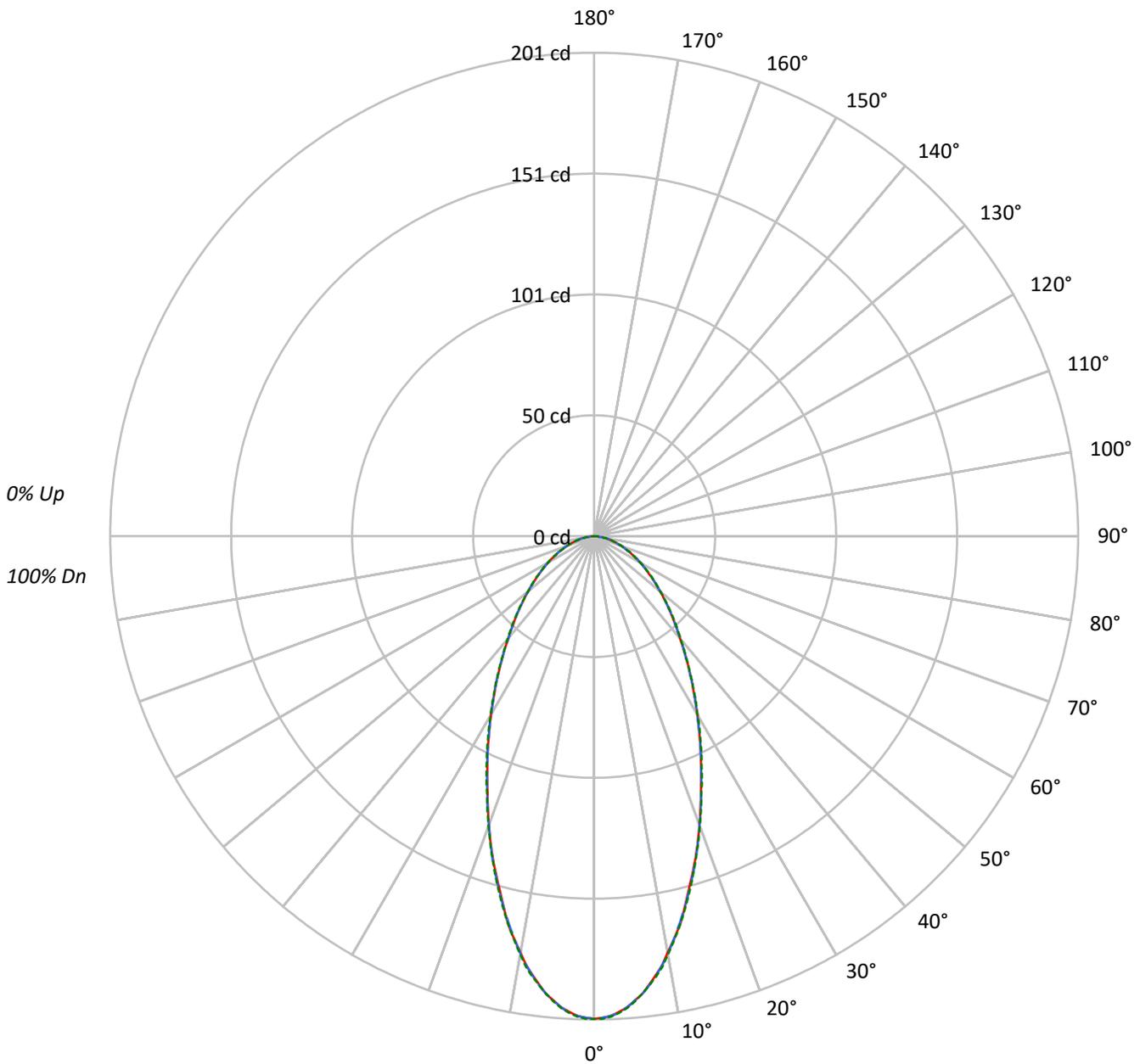
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 240.0 lumens  
Efficiency: N/A  
Efficacy: 40.7 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): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°	45°	90°
0°	34565	34565	34565
5°	33504	33504	33573
10°	30761	30831	30884
15°	27083	27208	27280
20°	23441	23441	23514
25°	19953	19953	20086
30°	17023	16963	17102
35°	14549	14549	14612
40°	12478	12478	12567
45°	10911	10911	10985
50°	9592	9592	9592
55°	8497	8497	8617
60°	7647	7647	7647
65°	6846	6846	6846
70°	6143	6143	6143
75°	5456	5257	5456
80°	4661	4661	4661
85°	2766	2766	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10985 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	7.5
10°-20°	42.5	17.7
20°-30°	48.4	20.2
30°-40°	43.4	18.1
40°-50°	34.8	14.5
50°-60°	25.6	10.7
60°-70°	16.7	7.0
70°-80°	8.7	3.6
80°-90°	2.0	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°	108.8	45.3
0°-40°	152.2	63.4
0°-60°	212.6	88.6
0°-90°	240.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	240.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	201	201	201	201	201	
5°	194	194	194	194	194	18
15°	152	152	153	153	153	42
25°	105	105	105	105	106	48
35°	69	69	69	69	70	43
45°	45	45	45	45	45	35
55°	28	28	28	28	29	26
65°	17	16	17	17	17	17
75°	8	8	8	8	8	9
85°	1	1	1	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	200.7	200.7	200.7	200.7	200.7
1°	200.3	199.9	200.3	200.3	200.7
2°	199.6	199.6	199.6	199.2	199.9
3°	198.1	198.1	198.5	198.1	198.5
4°	196.4	196.4	196.4	196.0	196.7
5°	193.8	193.8	193.8	193.8	194.2
6°	191.3	191.0	191.3	191.0	191.3
7°	187.8	187.8	188.1	187.8	188.1
8°	184.2	183.8	184.5	184.2	184.9
9°	180.6	180.2	180.6	180.2	181.3
10°	175.9	176.3	176.3	176.3	176.6
12.5°	165.2	164.5	164.5	164.5	165.2
15°	151.9	151.9	152.6	152.6	153.0
17.5°	140.1	139.7	140.5	140.5	140.5
20°	127.9	127.6	127.9	127.9	128.3
22.5°	115.7	116.1	116.1	116.1	116.4
25°	105.0	105.0	105.0	105.3	105.7
27.5°	95.0	94.6	95.0	95.3	95.7
30°	85.6	85.3	85.3	85.6	86.0
32.5°	77.0	76.7	77.0	77.0	77.4
35°	69.2	69.2	69.2	69.2	69.5
37.5°	62.0	62.0	62.0	62.3	62.3
40°	55.5	55.5	55.5	55.9	55.9
42.5°	49.8	49.8	49.8	50.2	50.5
45°	44.8	44.8	44.8	44.8	45.1
47.5°	40.1	40.1	40.1	40.5	40.5
50°	35.8	35.5	35.8	36.2	35.8
52.5°	31.9	31.9	31.9	31.9	32.2
55°	28.3	28.3	28.3	28.3	28.7
57.5°	25.1	25.1	25.1	25.4	25.4
60°	22.2	22.2	22.2	22.2	22.2
62.5°	19.3	19.3	19.3	19.3	19.3
65°	16.8	16.5	16.8	16.8	16.8
67.5°	14.3	14.3	14.3	14.3	14.3
70°	12.2	12.2	12.2	12.2	12.2
72.5°	10.0	10.0	10.0	10.0	10.0
75°	8.2	7.9	7.9	8.2	8.2
77.5°	6.4	6.1	6.4	6.4	6.4
80°	4.7	4.7	4.7	4.7	4.7
82.5°	2.9	2.9	2.9	3.2	3.2
85°	1.4	1.4	1.4	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)