

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: P1315426

Luminaire Tested: LDSQA3D09R209735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315426  
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: LDSQA3D09R209735DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

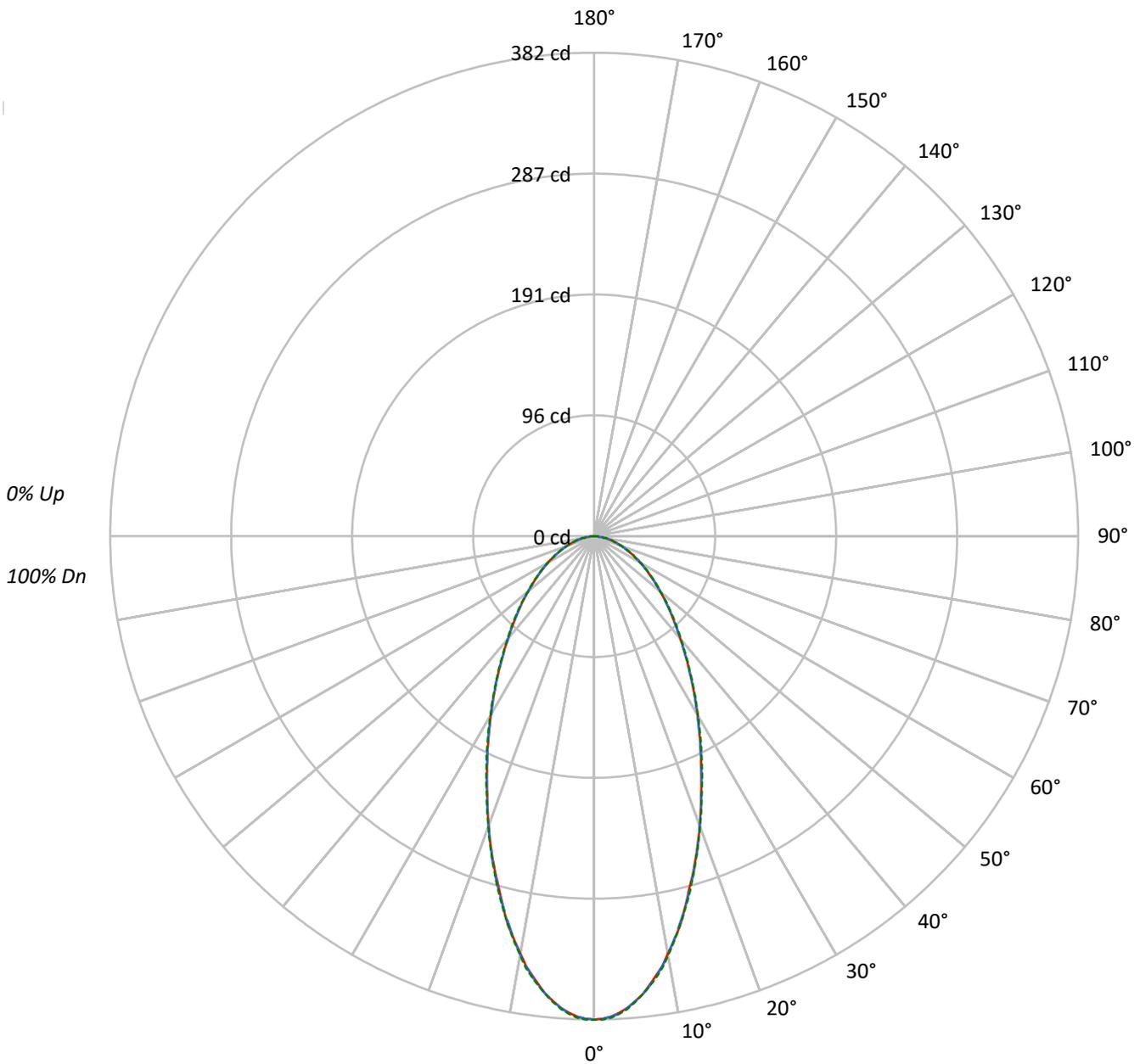
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 457.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 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): 11.1  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	36

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

	0°	45°	90°
0°	65806	65806	65806
5°	63810	63810	63931
10°	58585	58707	58829
15°	51582	51813	51938
20°	44646	44646	44774
25°	37986	37986	38252
30°	32435	32296	32554
35°	27689	27689	27836
40°	23786	23786	23921
45°	20776	20776	20946
50°	18273	18273	18273
55°	16184	16184	16394
60°	14570	14570	14570
65°	13081	13081	13081
70°	11682	11682	11682
75°	10447	9981	10447
80°	8827	8827	8827
85°	5335	5335	6719

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 20946 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.2	7.5
10°-20°	80.9	17.7
20°-30°	92.1	20.2
30°-40°	82.7	18.1
40°-50°	66.3	14.5
50°-60°	48.7	10.7
60°-70°	31.8	7.0
70°-80°	16.5	3.6
80°-90°	3.8	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°	207.2	45.3
0°-40°	289.9	63.4
0°-60°	404.8	88.6
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	369	369	369	369	370	34
15°	289	289	291	291	291	81
25°	200	200	200	201	201	92
35°	132	132	132	132	132	83
45°	85	85	85	85	86	66
55°	54	54	54	54	55	49
65°	32	31	32	32	32	32
75°	16	15	15	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	382.1	382.1	382.1	382.1	382.1
1°	381.4	380.7	381.4	381.4	382.1
2°	380.0	380.0	380.0	379.3	380.7
3°	377.3	377.3	378.0	377.3	378.0
4°	373.9	373.9	373.9	373.2	374.6
5°	369.1	369.1	369.1	369.1	369.8
6°	364.3	363.7	364.3	363.7	364.3
7°	357.5	357.5	358.2	357.5	358.2
8°	350.7	350.0	351.4	350.7	352.1
9°	343.9	343.2	343.9	343.2	345.2
10°	335.0	335.7	335.7	335.7	336.4
12.5°	314.5	313.2	313.2	313.2	314.5
15°	289.3	289.3	290.6	290.6	291.3
17.5°	266.8	266.1	267.5	267.5	267.5
20°	243.6	242.9	243.6	243.6	244.3
22.5°	220.4	221.1	221.1	221.1	221.7
25°	199.9	199.9	199.9	200.6	201.3
27.5°	180.8	180.1	180.8	181.5	182.2
30°	163.1	162.4	162.4	163.1	163.7
32.5°	146.7	146.0	146.7	146.7	147.4
35°	131.7	131.7	131.7	131.7	132.4
37.5°	118.0	118.0	118.0	118.7	118.7
40°	105.8	105.8	105.8	106.4	106.4
42.5°	94.8	94.8	94.8	95.5	96.2
45°	85.3	85.3	85.3	85.3	86.0
47.5°	76.4	76.4	76.4	77.1	77.1
50°	68.2	67.5	68.2	68.9	68.2
52.5°	60.7	60.7	60.7	60.7	61.4
55°	53.9	53.9	53.9	53.9	54.6
57.5°	47.8	47.8	47.8	48.4	48.4
60°	42.3	42.3	42.3	42.3	42.3
62.5°	36.8	36.8	36.8	36.8	36.8
65°	32.1	31.4	32.1	32.1	32.1
67.5°	27.3	27.3	27.3	27.3	27.3
70°	23.2	23.2	23.2	23.2	23.2
72.5°	19.1	19.1	19.1	19.1	19.1
75°	15.7	15.0	15.0	15.7	15.7
77.5°	12.3	11.6	12.3	12.3	12.3
80°	8.9	8.9	8.9	8.9	8.9
82.5°	5.5	5.5	5.5	6.1	6.1
85°	2.7	2.7	2.7	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)