

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: P1319059

Luminaire Tested: LDSQA3D09R209835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319059  
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: LDSQA3D09R209835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

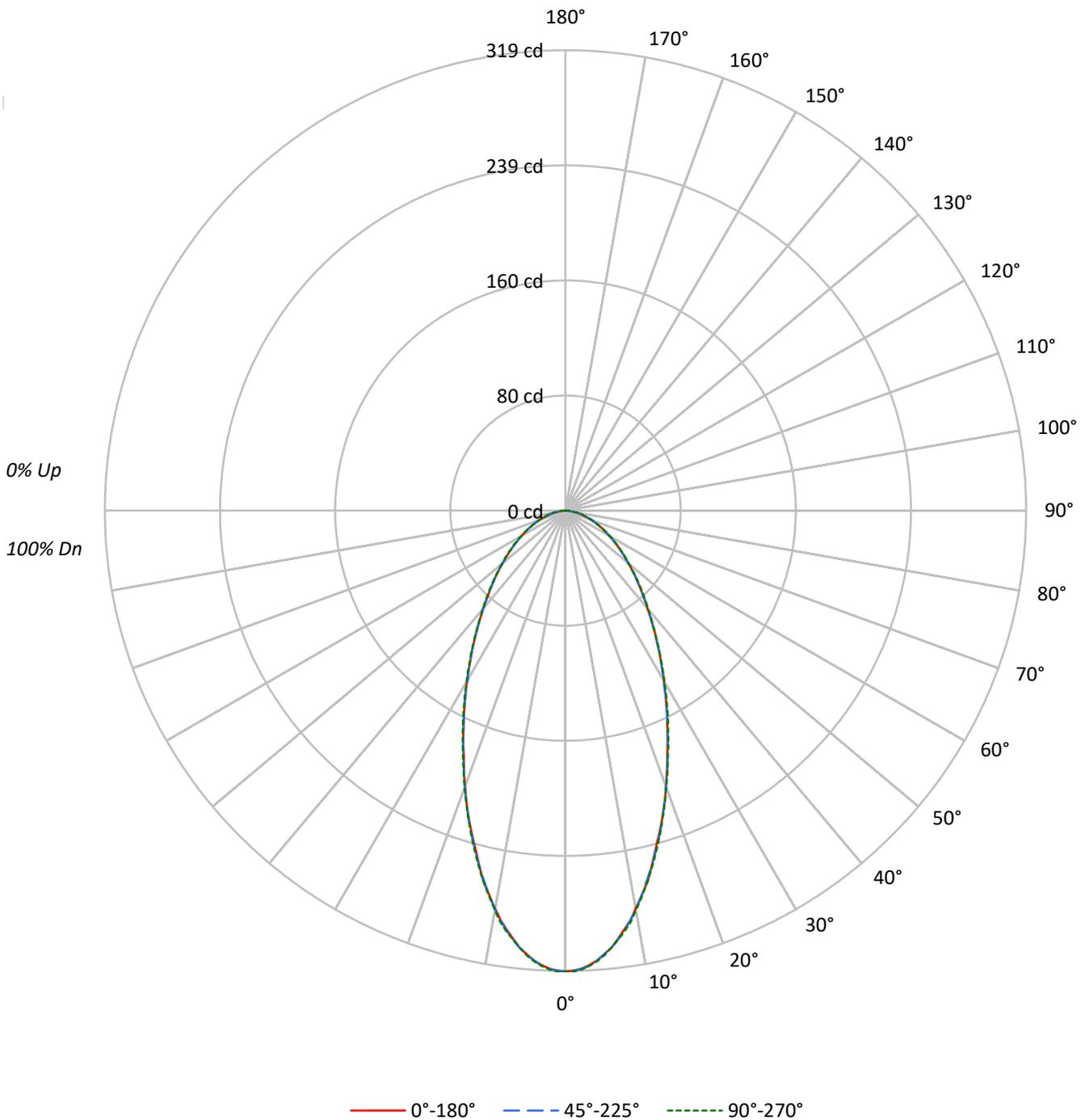
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 382.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 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): 11  
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





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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	71	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°	55008	55008	55008
5°	53334	53334	53437
10°	48966	49071	49176
15°	43112	43309	43416
20°	37315	37315	37425
25°	31753	31753	31962
30°	27105	26986	27225
35°	23148	23148	23253
40°	19874	19874	20009
45°	17366	17366	17512
50°	15272	15272	15272
55°	13542	13542	13692
60°	12193	12193	12193
65°	10921	10921	10921
70°	9769	9769	9769
75°	8717	8318	8717
80°	7339	7339	7339
85°	4545	4545	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 17512 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.6	7.5
10°-20°	67.6	17.7
20°-30°	77.0	20.2
30°-40°	69.1	18.1
40°-50°	55.4	14.5
50°-60°	40.7	10.7
60°-70°	26.6	7.0
70°-80°	13.8	3.6
80°-90°	3.2	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°	173.2	45.3
0°-40°	242.3	63.4
0°-60°	338.4	88.6
0°-90°	382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	382.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	319	319	319	319	319	
5°	308	308	308	308	309	29
15°	242	242	243	243	244	68
25°	167	167	167	168	168	77
35°	110	110	110	110	111	69
45°	71	71	71	71	72	55
55°	45	45	45	45	46	41
65°	27	26	27	27	27	27
75°	13	12	12	13	13	14
85°	2	2	2	3	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	319.4	319.4	319.4	319.4	319.4
1°	318.8	318.2	318.8	318.8	319.4
2°	317.7	317.7	317.7	317.1	318.2
3°	315.4	315.4	315.9	315.4	315.9
4°	312.5	312.5	312.5	312.0	313.1
5°	308.5	308.5	308.5	308.5	309.1
6°	304.5	304.0	304.5	304.0	304.5
7°	298.8	298.8	299.4	298.8	299.4
8°	293.1	292.6	293.7	293.1	294.3
9°	287.4	286.9	287.4	286.9	288.6
10°	280.0	280.6	280.6	280.6	281.2
12.5°	262.9	261.8	261.8	261.8	262.9
15°	241.8	241.8	242.9	242.9	243.5
17.5°	223.0	222.4	223.6	223.6	223.6
20°	203.6	203.0	203.6	203.6	204.2
22.5°	184.2	184.8	184.8	184.8	185.3
25°	167.1	167.1	167.1	167.7	168.2
27.5°	151.1	150.6	151.1	151.7	152.3
30°	136.3	135.7	135.7	136.3	136.9
32.5°	122.6	122.0	122.6	122.6	123.2
35°	110.1	110.1	110.1	110.1	110.6
37.5°	98.7	98.7	98.7	99.2	99.2
40°	88.4	88.4	88.4	89.0	89.0
42.5°	79.3	79.3	79.3	79.8	80.4
45°	71.3	71.3	71.3	71.3	71.9
47.5°	63.9	63.9	63.9	64.4	64.4
50°	57.0	56.5	57.0	57.6	57.0
52.5°	50.8	50.8	50.8	50.8	51.3
55°	45.1	45.1	45.1	45.1	45.6
57.5°	39.9	39.9	39.9	40.5	40.5
60°	35.4	35.4	35.4	35.4	35.4
62.5°	30.8	30.8	30.8	30.8	30.8
65°	26.8	26.2	26.8	26.8	26.8
67.5°	22.8	22.8	22.8	22.8	22.8
70°	19.4	19.4	19.4	19.4	19.4
72.5°	16.0	16.0	16.0	16.0	16.0
75°	13.1	12.5	12.5	13.1	13.1
77.5°	10.3	9.7	10.3	10.3	10.3
80°	7.4	7.4	7.4	7.4	7.4
82.5°	4.6	4.6	4.6	5.1	5.1
85°	2.3	2.3	2.3	2.9	2.9
87.5°	0.6	0.6	0.6	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)