

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: P1326164

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQPHRLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

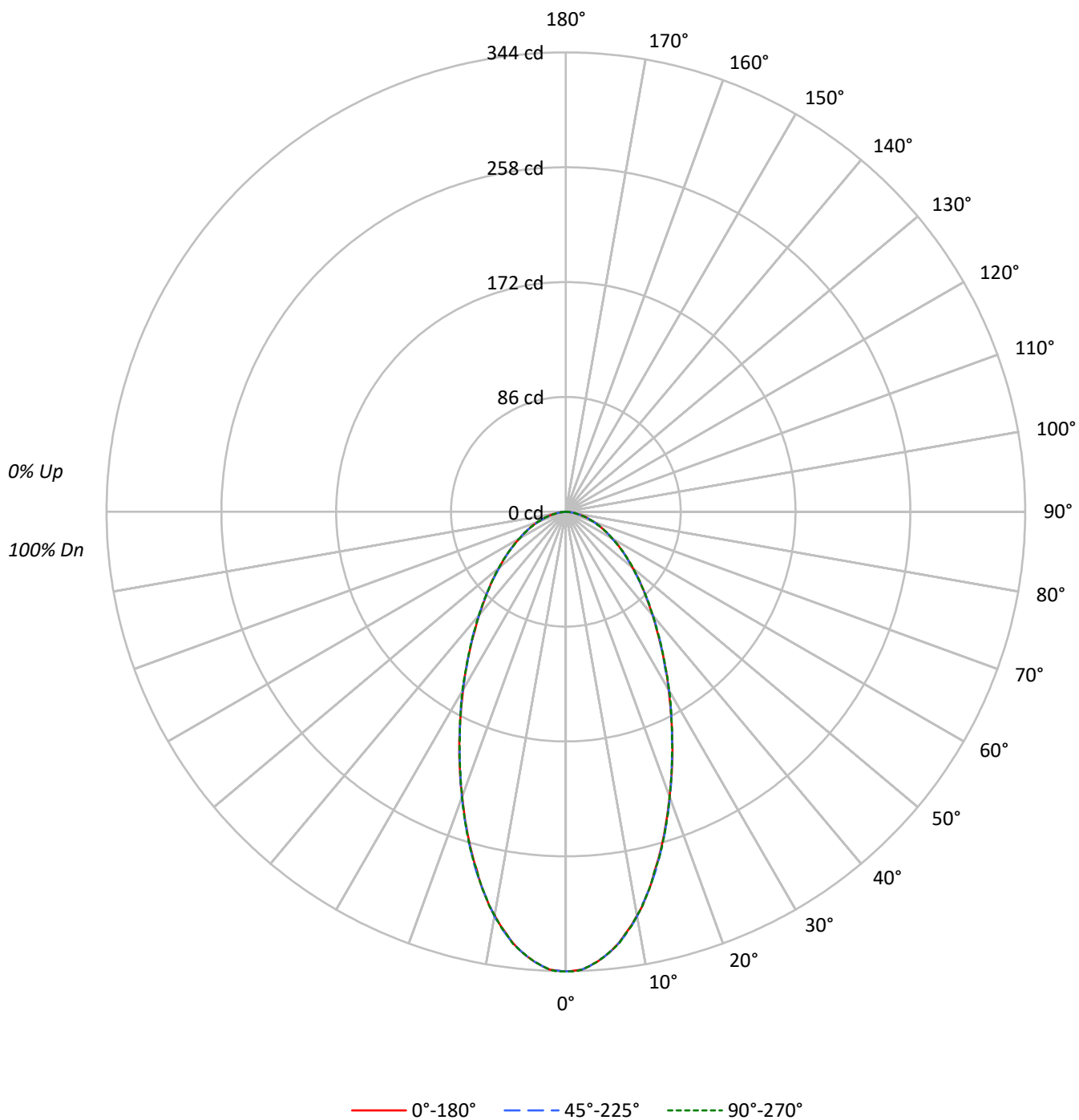
Lumens per Lamp: N/A
Luminaire Lumens: 431.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71	66	63	61
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56	51	47	45
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49	44	40	38
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59296	59296	59296
5°	57777	57777	57777
10°	53688	53793	53688
15°	47873	47980	47980
20°	41622	41732	41622
25°	35858	35744	35744
30°	30586	30705	30824
35°	26239	26239	26365
40°	22729	22729	22729
45°	19874	19874	19874
50°	17442	17442	17603
55°	15644	15644	15644
60°	13847	13847	13847
65°	12551	12551	12551
70°	11330	11028	11330
75°	10247	9848	9848
80°	8232	8232	8232
85°	5928	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	7.2
10°-20°	74.9	17.4
20°-30°	86.6	20.1
30°-40°	78.5	18.2
40°-50°	63.3	14.7
50°-60°	46.6	10.8
60°-70°	30.7	7.1
70°-80°	15.8	3.7
80°-90°	3.6	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°	192.6	44.7
0°-40°	271.1	62.9
0°-60°	380.9	88.4
0°-90°	431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	344	344	344	344	344	
5°	334	335	334	334	334	31
15°	268	269	269	268	269	75
25°	189	188	188	189	188	87
35°	125	125	125	125	125	78
45°	82	82	82	82	82	63
55°	52	52	52	52	52	47
65°	31	31	31	31	31	31
75°	15	15	15	15	15	16
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°	344.3	344.3	344.3	344.3	344.3
1°	343.7	344.8	343.7	343.7	344.3
2°	343.1	343.7	343.1	343.1	343.1
3°	340.7	341.9	340.7	340.7	340.7
4°	337.7	338.9	337.7	337.7	337.7
5°	334.2	335.4	334.2	334.2	334.2
6°	330.1	330.7	330.1	330.1	330.1
7°	325.3	325.9	325.3	325.3	325.9
8°	319.4	320.0	320.0	319.4	319.4
9°	313.5	314.1	314.1	313.5	314.1
10°	307.0	307.6	307.6	307.0	307.0
11°	300.5	301.1	299.9	299.9	300.5
12°	292.8	293.4	292.8	292.8	292.8
13°	285.1	285.1	285.1	285.1	285.1
14°	276.2	277.4	277.4	276.8	276.2
15°	268.5	269.1	269.1	268.5	269.1
17.5°	247.8	249.0	248.4	248.4	248.4
20°	227.1	227.7	227.7	227.1	227.1
22.5°	207.6	207.0	207.0	207.0	207.0
25°	188.7	188.1	188.1	188.7	188.1
27.5°	170.4	170.9	170.9	170.4	170.9
30°	153.8	153.8	154.4	153.8	155.0
32.5°	139.0	139.0	138.4	139.0	139.0
35°	124.8	124.8	124.8	124.8	125.4
37.5°	111.8	112.4	113.0	113.0	112.4
40°	101.1	101.1	101.1	101.1	101.1
42.5°	90.5	90.5	91.1	91.1	91.1
45°	81.6	81.6	81.6	81.6	81.6
47.5°	73.3	73.3	72.8	72.8	73.3
50°	65.1	65.7	65.1	65.1	65.7
52.5°	58.6	58.0	58.0	58.6	58.6
55°	52.1	52.1	52.1	51.5	52.1
57.5°	46.1	46.1	45.5	45.5	45.5
60°	40.2	40.2	40.2	40.2	40.2
62.5°	35.5	35.5	35.5	35.5	35.5
65°	30.8	30.8	30.8	30.8	30.8
67.5°	26.6	26.6	26.6	26.6	26.0
70°	22.5	22.5	21.9	21.9	22.5
72.5°	18.3	18.3	18.3	18.3	18.3
75°	15.4	14.8	14.8	14.8	14.8
77.5°	11.8	11.8	11.2	11.8	11.2
80°	8.3	8.3	8.3	8.3	8.3
82.5°	5.9	5.3	5.3	5.3	5.3
85°	3.0	3.0	3.0	3.0	3.0
87.5°	0.6	0.6	0.6	0.6	1.2



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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)