

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: P1325789

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

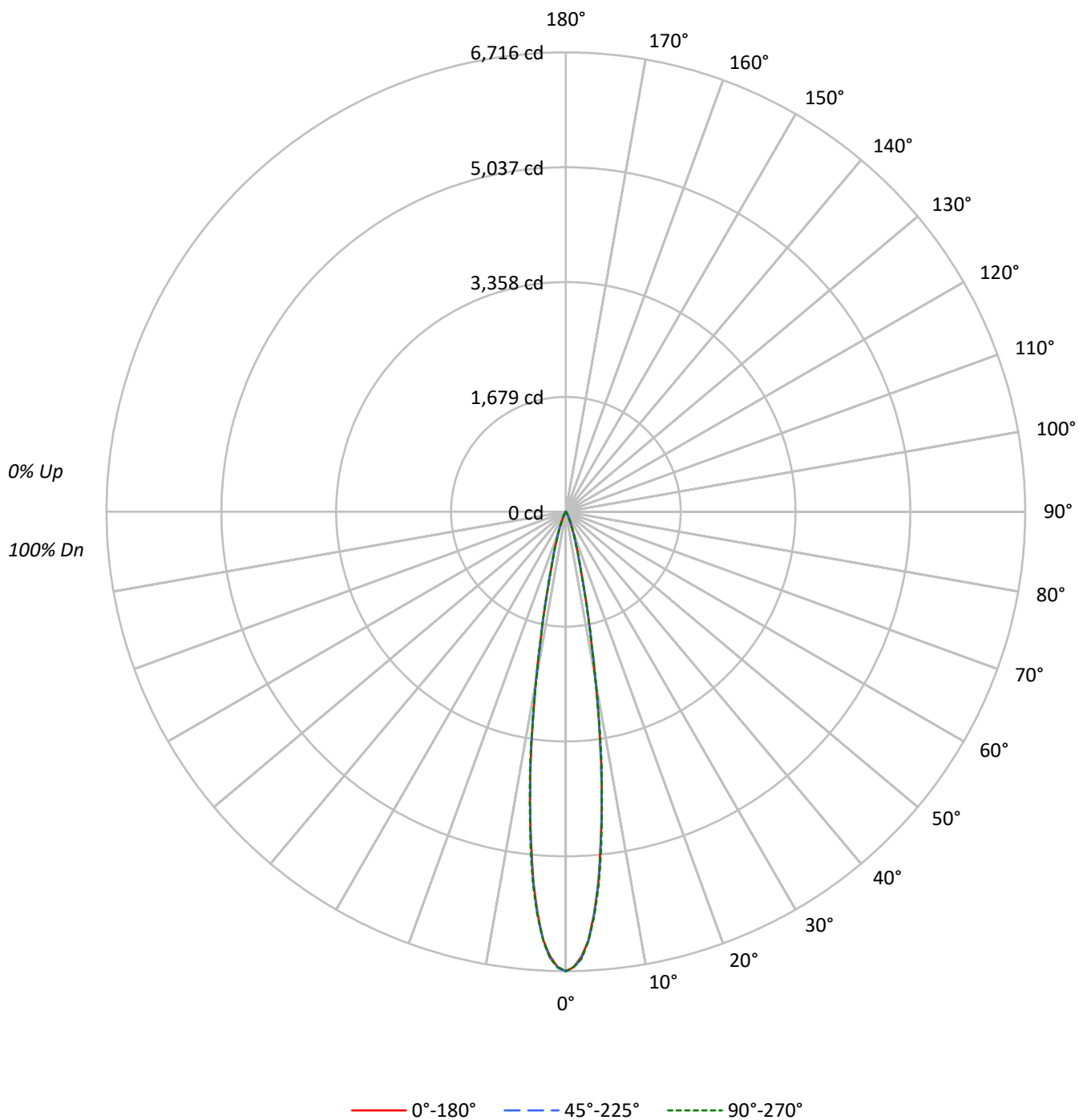
Lumens per Lamp: N/A
Luminaire Lumens: 754.1 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1156716	1156716	1156716
5°	940574	943858	947126
10°	438038	438458	436079
15°	135542	140392	137753
20°	54030	57072	53388
25°	22613	26661	21492
30°	9188	12250	8472
35°	2985	5593	2733
40°	1057	2271	1057
45°	438	731	438
50°	322	482	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.4	55.8
10°-20°	251.4	33.3
20°-30°	64.0	8.5
30°-40°	13.9	1.8
40°-50°	2.3	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.0	0.0
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°	735.7	97.6
0°-40°	749.6	99.4
0°-60°	753.0	99.9
0°-90°	754.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6716	6716	6716	6716	6716	
5°	5441	5448	5460	5435	5478	419
15°	760	782	787	776	773	250
25°	119	127	140	124	113	60
35°	14	18	27	18	13	11
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6716.4	6716.4	6716.4	6716.4	6716.4
1°	6657.8	6669.1	6670.9	6669.1	6659.6
2°	6508.1	6541.2	6534.1	6519.9	6540.0
3°	6276.6	6293.2	6290.8	6292.0	6287.2
4°	5900.1	5929.1	5912.5	5924.9	5926.1
5°	5440.6	5448.3	5459.6	5434.7	5478.5
6°	4875.3	4924.4	4881.2	4923.8	4941.0
7°	4300.4	4328.8	4273.8	4303.4	4321.1
8°	3712.5	3662.8	3693.0	3693.6	3752.2
9°	3077.9	3088.0	3113.4	3084.4	3109.9
10°	2504.8	2527.9	2507.2	2497.1	2493.6
11°	1977.9	2004.0	2002.2	2005.2	1985.6
12°	1591.3	1577.7	1586.6	1557.6	1570.6
13°	1238.5	1239.1	1232.0	1220.1	1209.5
14°	970.3	964.4	981.0	966.2	952.6
15°	760.2	781.5	787.4	776.1	772.6
17.5°	468.9	469.5	477.8	467.1	465.9
20°	294.8	301.9	311.4	300.2	291.3
22.5°	186.5	193.0	207.8	193.6	181.2
25°	119.0	127.3	140.3	124.3	113.1
27.5°	74.6	82.3	94.7	79.9	71.6
30°	46.2	51.5	61.6	50.3	42.6
32.5°	26.6	32.0	40.3	30.2	25.5
35°	14.2	18.4	26.6	17.8	13.0
37.5°	8.3	10.7	17.2	9.5	7.7
40°	4.7	6.5	10.1	5.9	4.7
42.5°	3.0	4.1	4.7	3.6	2.4
45°	1.8	2.4	3.0	2.4	1.8
47.5°	1.2	1.8	2.4	1.2	1.2
50°	1.2	1.2	1.8	1.2	1.2
52.5°	1.2	1.2	1.2	1.2	1.2
55°	1.2	1.2	1.2	1.2	1.2
57.5°	1.2	1.2	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)