

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: P1325784

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325784
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQCDR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

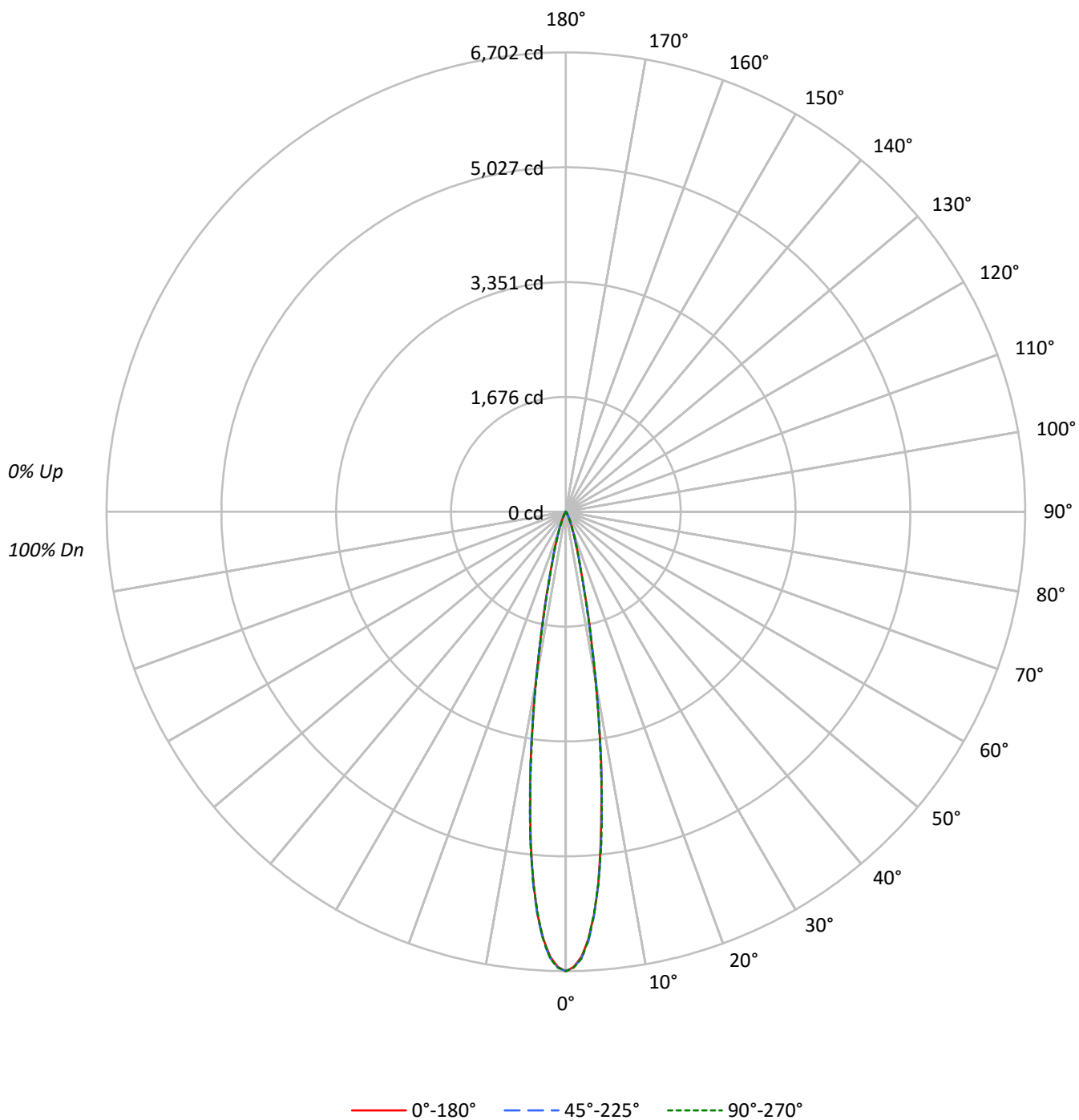
Lumens per Lamp: N/A
Luminaire Lumens: 748.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1325784

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MMS_4000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1154253	1154253	1154253
5°	939778	942838	941006
10°	438388	442305	436726
15°	137664	138823	137985
20°	54543	56705	52802
25°	22043	26642	21245
30°	8830	12111	8352
35°	2607	5340	2481
40°	787	2001	674
45°	146	438	146
50°	0	161	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.6	56.1
10°-20°	251.0	33.6
20°-30°	63.3	8.5
30°-40°	12.9	1.7
40°-50°	1.2	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	733.9	98.1
0°-40°	746.8	99.8
0°-60°	748.0	100.0
0°-90°	748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6702	6702	6702	6702	6702	
5°	5436	5426	5454	5440	5443	418
15°	772	779	779	767	774	251
25°	116	127	140	124	112	60
35°	12	17	25	16	12	10
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	6702.1	6702.1	6702.1	6702.1	6702.1
1°	6641.7	6664.2	6652.4	6661.8	6651.2
2°	6497.9	6528.1	6518.6	6515.7	6524.0
3°	6244.7	6279.6	6278.4	6269.6	6255.4
4°	5899.2	5885.0	5906.9	5904.5	5880.3
5°	5436.0	5425.9	5453.7	5440.1	5443.1
6°	4869.2	4912.9	4903.5	4904.7	4915.9
7°	4260.4	4284.0	4304.2	4320.7	4297.6
8°	3701.3	3695.4	3697.1	3716.1	3652.2
9°	3075.3	3112.0	3088.3	3050.5	3074.7
10°	2506.8	2529.2	2529.2	2496.1	2497.3
11°	1998.5	2016.9	2003.9	2012.2	1960.1
12°	1611.0	1565.5	1554.8	1563.1	1562.5
13°	1230.0	1233.0	1230.0	1229.4	1223.5
14°	964.4	979.7	973.2	957.3	950.2
15°	772.1	778.6	778.6	767.4	773.9
17.5°	463.8	471.5	473.3	465.6	465.6
20°	297.6	301.1	309.4	298.2	288.1
22.5°	183.4	191.1	205.3	188.7	180.4
25°	116.0	126.6	140.2	124.2	111.8
27.5°	72.8	81.6	93.5	78.1	70.4
30°	44.4	50.3	60.9	49.1	42.0
32.5°	24.8	29.6	38.5	28.4	23.7
35°	12.4	16.6	25.4	16.0	11.8
37.5°	7.1	8.9	16.0	7.7	6.5
40°	3.5	4.7	8.9	4.7	3.0
42.5°	1.2	2.4	3.5	2.4	1.2
45°	0.6	1.2	1.8	1.2	0.6
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1325784

CATALOG NUMBER: LDSQA3D09R15W2N902750DE010 3LSQCDR1MMS_4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)