

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: P1325781

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQCDR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325781
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

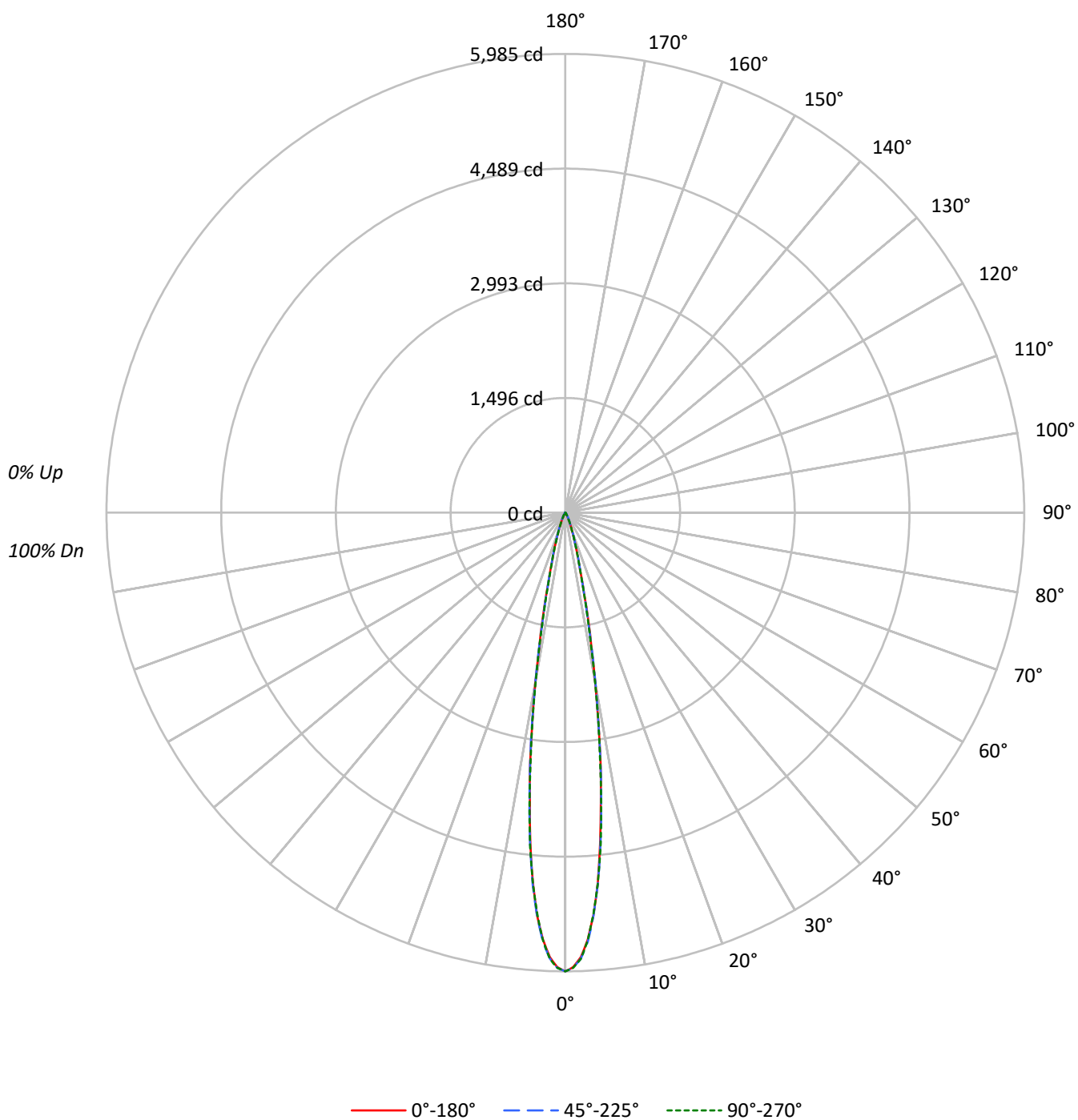
Lumens per Lamp: N/A
Luminaire Lumens: 668.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	1030804	1030804	1030804
5°	839266	841997	840355
10°	391503	395000	390016
15°	122936	123971	123222
20°	48715	50639	47157
25°	19687	23791	18984
30°	7875	10818	7457
35°	2334	4773	2229
40°	719	1776	585
45°	122	390	122
50°	0	134	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: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.7	56.1
10°-20°	224.1	33.6
20°-30°	56.5	8.5
30°-40°	11.5	1.7
40°-50°	1.1	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°	655.4	98.1
0°-40°	666.9	99.8
0°-60°	668.0	100.0
0°-90°	668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5985	5985	5985	5985	5985	
5°	4855	4846	4870	4858	4861	374
15°	690	695	695	685	691	224
25°	104	113	125	111	100	53
35°	11	15	23	14	11	9
45°	0	1	2	1	0	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5985.3	5985.3	5985.3	5985.3	5985.3
1°	5931.4	5951.4	5940.9	5949.3	5939.8
2°	5803.0	5829.9	5821.5	5818.8	5826.2
3°	5576.8	5608.0	5607.0	5599.0	5586.3
4°	5268.3	5255.6	5275.1	5273.0	5251.4
5°	4854.6	4845.6	4870.4	4858.3	4860.9
6°	4348.4	4387.5	4379.0	4380.1	4390.1
7°	3804.7	3825.9	3843.8	3858.6	3838.0
8°	3305.4	3300.1	3301.7	3318.6	3261.6
9°	2746.4	2779.2	2758.0	2724.2	2745.9
10°	2238.7	2258.7	2258.7	2229.1	2230.2
11°	1784.8	1801.2	1789.6	1797.0	1750.5
12°	1438.7	1398.0	1388.5	1395.9	1395.4
13°	1098.5	1101.1	1098.5	1097.9	1092.6
14°	861.2	875.0	869.2	854.9	848.5
15°	689.5	695.3	695.3	685.3	691.1
17.5°	414.2	421.1	422.7	415.8	415.8
20°	265.8	268.9	276.3	266.3	257.3
22.5°	163.8	170.7	183.3	168.5	161.1
25°	103.6	113.1	125.2	111.0	99.9
27.5°	65.0	72.9	83.5	69.7	62.9
30°	39.6	44.9	54.4	43.9	37.5
32.5°	22.2	26.4	34.3	25.4	21.1
35°	11.1	14.8	22.7	14.3	10.6
37.5°	6.3	7.9	14.3	6.9	5.8
40°	3.2	4.2	7.9	4.2	2.6
42.5°	1.1	2.1	3.2	2.1	1.1
45°	0.5	1.1	1.6	1.1	0.5
47.5°	0.0	0.0	0.5	0.0	0.0
50°	0.0	0.0	0.5	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



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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)