

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: P1325801

Luminaire Tested: LDSQA3D09R15W2N902750DE010 3LSQPHR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R15W2N902750DE010 3LSQPHR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

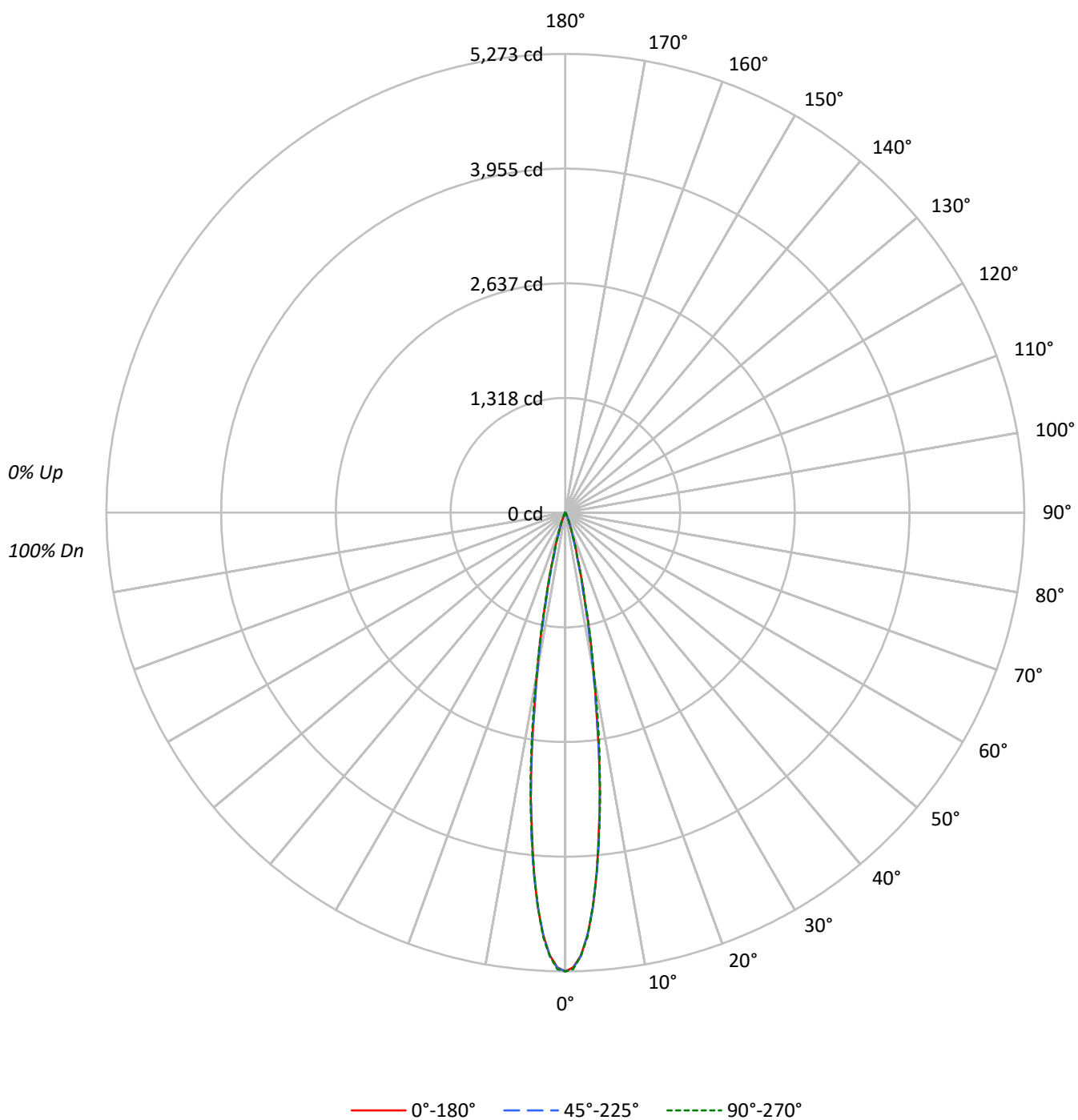
Lumens per Lamp: N/A
Luminaire Lumens: 528.0 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	908147	908147	908147
5°	716348	718267	715708
10°	327742	319138	334667
15°	97440	86992	95461
20°	28939	28059	30387
25°	8228	10641	9539
30°	2943	3142	2844
35°	1114	1009	1009
40°	472	247	360
45°	268	122	268
50°	134	0	134
55°	150	0	150
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: 0°

Vertical Angle: 47.5°

Luminance: 280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.6	60.3
10°-20°	176.9	33.5
20°-30°	28.2	5.3
30°-40°	3.7	0.7
40°-50°	0.6	0.1
50°-60°	0.1	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°	523.6	99.2
0°-40°	527.3	99.9
0°-60°	528.0	100.0
0°-90°	528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5273	5273	5273	5273	5273	
5°	4144	4178	4155	4137	4140	318
15°	546	540	488	518	535	180
25°	43	49	56	56	50	26
35°	5	5	5	5	5	4
45°	1	1	0	0	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1	5273.1
1°	5227.7	5233.5	5240.9	5234.0	5227.7	5233.5	5225.6	5226.6	5220.3	5234.0	5249.4
2°	5094.6	5102.0	5097.8	5088.3	5103.1	5104.1	5087.8	5079.8	5078.8	5092.5	5097.8
3°	4859.1	4876.0	4876.5	4873.4	4868.6	4859.1	4842.2	4853.3	4838.0	4828.5	4882.4
4°	4546.0	4560.8	4578.2	4566.6	4531.7	4534.9	4546.0	4508.5	4510.6	4532.3	4533.8
5°	4143.6	4188.5	4190.6	4174.2	4146.8	4154.7	4146.8	4136.2	4139.9	4153.6	4139.9
6°	3670.0	3720.6	3683.2	3719.1	3711.1	3721.2	3723.8	3712.7	3720.6	3712.2	3709.6
7°	3260.7	3222.2	3227.4	3212.7	3228.5	3239.1	3245.4	3226.4	3241.7	3266.0	3272.9
8°	2753.3	2742.2	2731.1	2757.5	2750.1	2762.8	2770.7	2791.8	2790.7	2798.1	2822.4
9°	2270.1	2286.5	2296.5	2273.3	2293.3	2254.2	2268.0	2324.5	2309.7	2324.5	2367.8
10°	1874.1	1887.3	1872.5	1871.9	1850.8	1824.9	1823.4	1844.5	1888.8	1923.7	1913.7
12.5°	1033.9	1045.5	1047.1	1046.1	1008.0	965.3	973.2	990.1	1017.6	1029.2	1048.2
15°	546.5	546.0	551.8	535.4	515.4	487.9	490.0	513.3	533.9	539.1	535.4
17.5°	280.4	281.5	285.7	281.5	260.3	263.0	268.8	271.4	283.6	288.3	285.7
20°	157.9	158.4	157.9	159.5	151.0	153.1	160.5	161.1	163.7	166.3	165.8
22.5°	90.3	90.8	94.0	92.9	90.8	93.5	95.0	97.7	98.7	97.7	100.9
25°	43.3	43.8	43.8	50.2	53.3	56.0	57.0	56.0	54.9	50.7	50.2
27.5°	24.8	24.8	25.9	26.4	27.5	32.2	31.7	26.4	22.2	22.2	22.7
30°	14.8	14.3	14.3	14.8	15.3	15.8	14.8	14.3	14.3	14.8	14.3
32.5°	9.0	9.0	9.0	8.4	8.4	7.9	7.9	9.0	9.0	9.0	9.0
35°	5.3	5.3	5.3	5.3	4.8	4.8	4.8	5.3	5.3	4.8	4.8
37.5°	3.2	3.2	3.2	2.6	2.6	2.1	2.6	2.6	2.6	2.6	2.6
40°	2.1	2.1	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
42.5°	1.6	1.6	1.1	1.1	0.5	0.5	0.5	1.1	1.1	1.1	1.1
45°	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
47.5°	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)