

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: P1325962

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

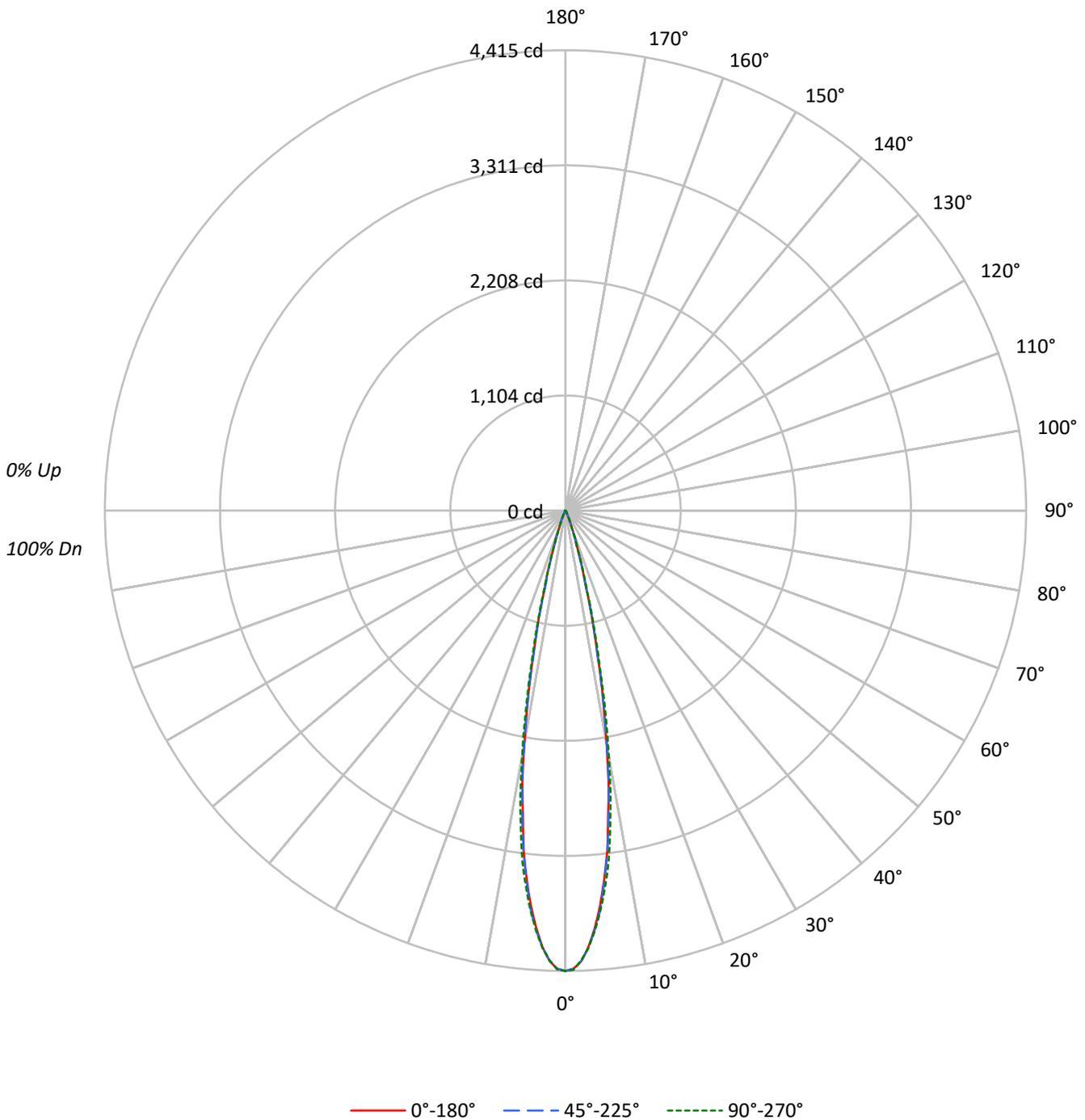
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
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: P1325962
CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P1325962

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	760380	760380	760380
5°	656877	662997	665452
10°	395437	399127	418994
15°	136772	133563	144207
20°	35922	33796	33888
25°	7829	9444	10737
30°	3361	3361	3460
35°	1892	1661	1787
40°	832	944	1079
45°	268	390	390
50°	134	134	134
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: 22.5°

Vertical Angle: 45°

Luminance: 390 cd/sqm



TEST NUMBER: P1325962

CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.8	53.3
10°-20°	240.4	40.5
20°-30°	29.7	5.0
30°-40°	5.6	0.9
40°-50°	1.3	0.2
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°	585.9	98.8
0°-40°	591.6	99.8
0°-60°	593.0	100.0
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4415	4415	4415	4415	4415	
5°	3800	3797	3835	3832	3849	313
15°	767	740	749	794	809	240
25°	41	47	50	52	56	28
35°	9	9	8	8	8	6
45°	1	2	2	2	2	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



TEST NUMBER: P1325962
 CATALOG NUMBER: LDSQA3D09R20W2N902750DE010 3LSQPHR1MMS_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4415.1	4415.1	4415.1	4415.1	4415.1
1°	4394.5	4389.2	4393.4	4384.4	4402.9
2°	4324.2	4318.9	4318.9	4313.6	4316.3
3°	4193.2	4201.6	4196.3	4185.2	4199.5
4°	4014.6	4024.1	4032.6	4033.1	4035.2
5°	3799.6	3796.9	3835.0	3832.3	3849.2
6°	3554.4	3551.3	3567.7	3595.1	3628.9
7°	3285.0	3246.4	3290.3	3345.8	3391.2
8°	2936.3	2946.4	2976.5	3042.0	3078.4
9°	2640.5	2581.8	2645.8	2723.9	2763.6
10°	2261.2	2213.6	2282.3	2364.7	2395.9
12.5°	1423.3	1382.1	1404.2	1490.9	1504.6
15°	767.1	739.6	749.1	794.0	808.8
17.5°	391.5	366.6	361.4	389.9	393.1
20°	196.0	190.2	184.4	187.0	184.9
22.5°	90.9	98.8	97.7	92.5	98.8
25°	41.2	47.0	49.7	51.8	56.5
27.5°	25.4	24.3	28.0	30.1	30.6
30°	16.9	16.4	16.9	17.4	17.4
32.5°	12.2	11.6	11.1	11.1	11.6
35°	9.0	9.0	7.9	8.5	8.5
37.5°	6.3	6.3	5.8	6.3	6.3
40°	3.7	4.2	4.2	4.2	4.8
42.5°	2.1	2.6	2.6	2.6	2.6
45°	1.1	1.6	1.6	1.6	1.6
47.5°	0.5	0.5	0.5	1.1	1.1
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)