

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: P1325956

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

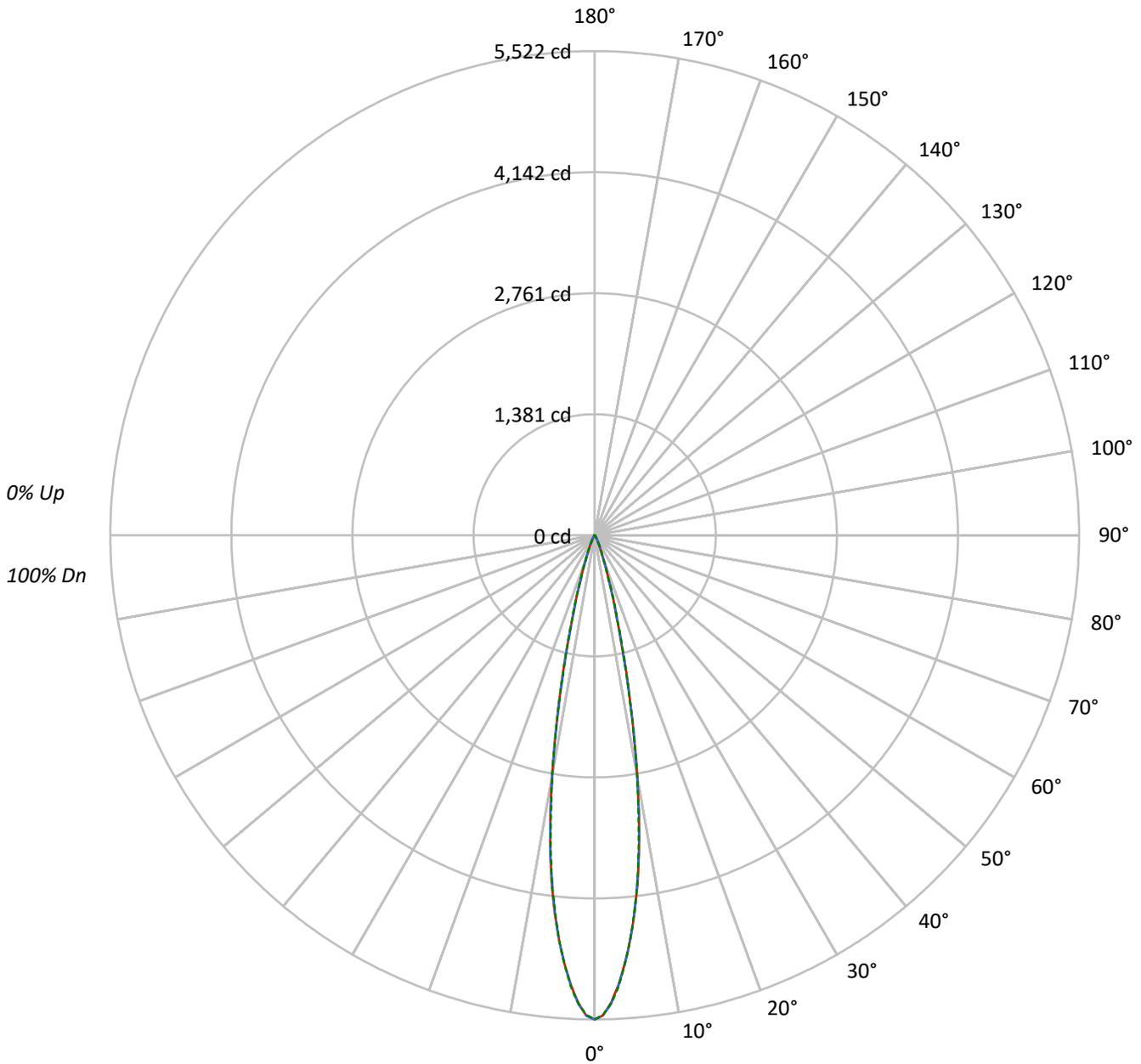
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 761.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



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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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	951065	951065	951065
5°	801595	801906	801491
10°	488473	486217	487337
15°	172058	172789	178155
20°	54066	55569	54396
25°	20257	22157	20808
30°	7835	11117	8193
35°	2964	4962	3217
40°	1596	2113	1596
45°	585	999	706
50°	322	482	322
55°	360	360	360
60°	207	207	207
65°	245	245	245
70°	302	302	302
75°	0	0	399
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.3	50.4
10°-20°	300.6	39.5
20°-30°	59.0	7.8
30°-40°	13.2	1.7
40°-50°	3.0	0.4
50°-60°	1.0	0.1
60°-70°	0.6	0.1
70°-80°	0.3	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°	742.9	97.6
0°-40°	756.2	99.4
0°-60°	760.2	99.9
0°-90°	761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5522	5522	5522	5522	5522	
5°	4637	4641	4638	4654	4636	384
15°	965	969	969	990	999	300
25°	107	114	117	115	110	56
35°	14	17	24	17	15	11
45°	2	4	4	4	3	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	5522.3	5522.3	5522.3	5522.3	5522.3
1°	5477.5	5465.7	5479.3	5468.7	5471.0
2°	5335.6	5329.1	5346.8	5335.6	5341.5
3°	5138.4	5130.1	5143.1	5143.7	5160.2
4°	4902.9	4887.0	4906.4	4907.0	4909.9
5°	4636.7	4640.8	4638.5	4654.4	4636.1
6°	4337.6	4351.2	4333.5	4342.3	4317.0
7°	4003.2	3986.1	3977.3	3980.2	3997.9
8°	3634.0	3622.2	3635.2	3616.9	3604.6
9°	3223.6	3203.0	3217.1	3199.5	3181.8
10°	2793.2	2783.8	2780.3	2760.2	2786.7
11°	2361.6	2333.4	2347.5	2337.5	2366.3
12°	1957.7	1960.1	1932.4	1941.2	1944.8
13°	1593.3	1555.6	1560.3	1584.4	1588.6
14°	1235.9	1241.2	1242.9	1260.0	1270.0
15°	965.0	969.1	969.1	990.3	999.2
17.5°	517.5	517.5	528.7	531.1	532.3
20°	295.0	296.8	303.2	302.6	296.8
22.5°	176.6	180.2	183.7	180.2	176.6
25°	106.6	113.6	116.6	114.8	109.5
27.5°	63.6	71.2	79.5	73.0	63.0
30°	39.4	43.6	55.9	44.7	41.2
32.5°	21.8	28.3	38.3	29.4	22.4
35°	14.1	17.1	23.6	17.1	15.3
37.5°	10.0	11.8	14.7	12.4	10.6
40°	7.1	8.2	9.4	8.8	7.1
42.5°	4.7	5.9	6.5	5.9	4.7
45°	2.4	3.5	4.1	3.5	2.9
47.5°	1.2	1.8	2.9	1.8	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	0.6	1.2	0.6
60°	0.6	0.6	0.6	0.6	0.6
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°	0.0	0.0	0.0	0.0	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)