

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: P1326034

Luminaire Tested: LDSQA3D09R20W2N902765DE010 3LSQCDR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

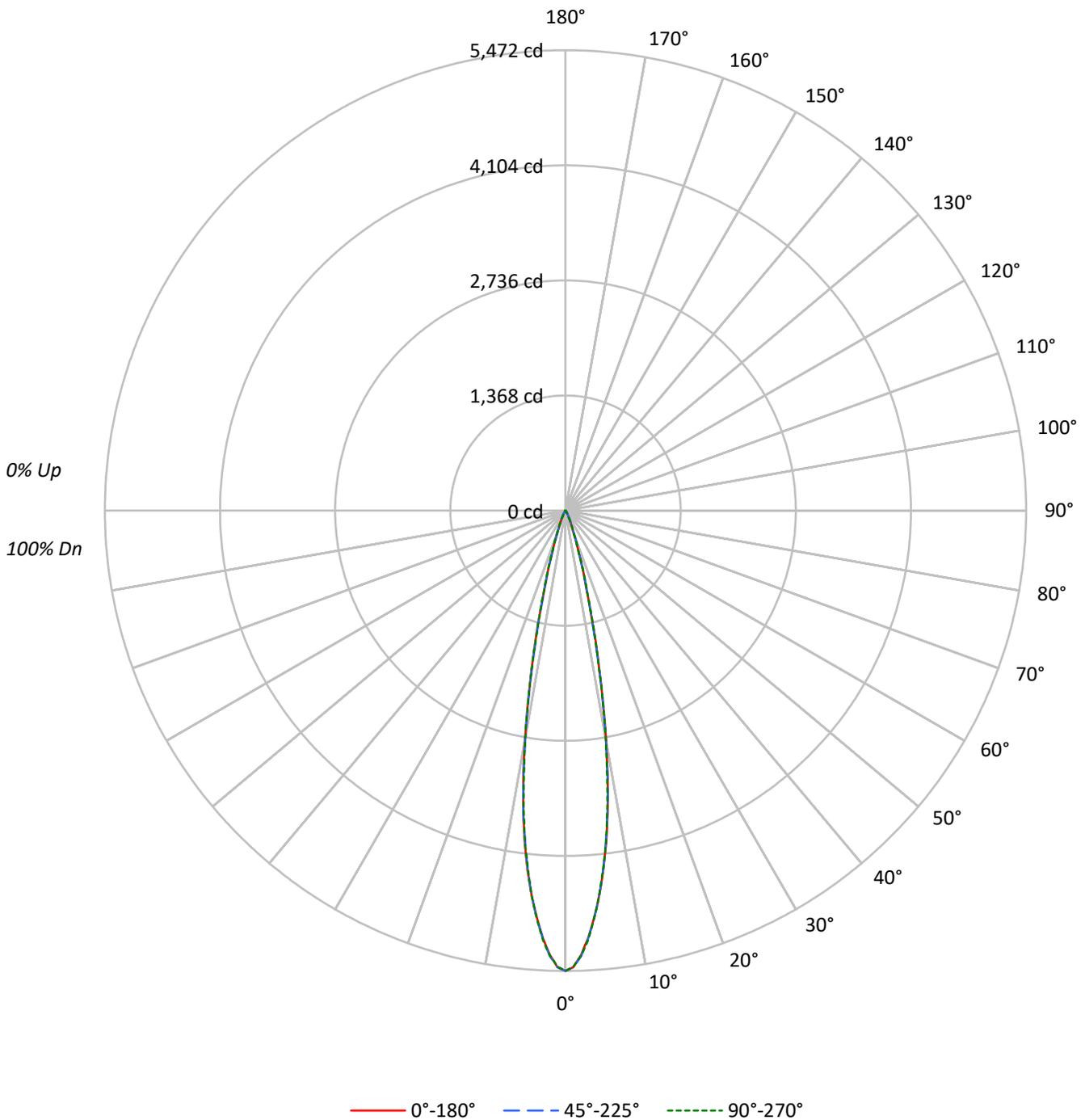
Test Method: LM-79-2019  
Report Number: P1326034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R20W2N902765DE010 3LSQCDR1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 754.1 lumens  
Efficiency: N/A  
Efficacy: 83.8 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





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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	942316	942316	942316
5°	794230	794524	794127
10°	483979	481740	482860
15°	170471	171202	176515
20°	53571	55056	53883
25°	20067	21948	20618
30°	7776	11017	8114
35°	2943	4899	3196
40°	1574	2091	1574
45°	560	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°	379.8	50.4
10°-20°	297.8	39.5
20°-30°	58.5	7.8
30°-40°	13.1	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°	736.1	97.6
0°-40°	749.2	99.4
0°-60°	753.2	99.9
0°-90°	754.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5472	5472	5472	5472	5472	
5°	4594	4598	4596	4612	4594	381
15°	956	960	960	981	990	297
25°	106	113	116	114	108	56
35°	14	17	23	17	15	10
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°	5471.5	5471.5	5471.5	5471.5	5471.5
1°	5427.1	5415.5	5428.9	5418.4	5420.7
2°	5286.5	5280.1	5297.6	5286.5	5292.4
3°	5091.1	5082.9	5095.8	5096.4	5112.7
4°	4857.8	4842.0	4861.3	4861.8	4864.8
5°	4594.1	4598.2	4595.8	4611.6	4593.5
6°	4297.7	4311.1	4293.6	4302.4	4277.3
7°	3966.4	3949.4	3940.7	3943.6	3961.1
8°	3600.6	3588.9	3601.8	3583.7	3571.4
9°	3194.0	3173.6	3187.6	3170.1	3152.6
10°	2767.5	2758.2	2754.7	2734.9	2761.1
11°	2339.9	2311.9	2325.9	2316.0	2344.6
12°	1939.7	1942.1	1914.6	1923.4	1926.9
13°	1578.6	1541.3	1545.9	1569.9	1573.9
14°	1224.5	1229.8	1231.5	1248.4	1258.3
15°	956.1	960.2	960.2	981.2	990.0
17.5°	512.8	512.8	523.9	526.2	527.4
20°	292.3	294.0	300.4	299.9	294.0
22.5°	175.0	178.5	182.0	178.5	175.0
25°	105.6	112.6	115.5	113.8	108.5
27.5°	63.0	70.6	78.8	72.3	62.4
30°	39.1	43.2	55.4	44.3	40.8
32.5°	21.6	28.0	37.9	29.2	22.2
35°	14.0	16.9	23.3	16.9	15.2
37.5°	9.9	11.7	14.6	12.3	10.5
40°	7.0	8.2	9.3	8.8	7.0
42.5°	4.7	5.8	6.4	5.8	4.7
45°	2.3	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)