

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: P1326411

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1326411  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902765DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

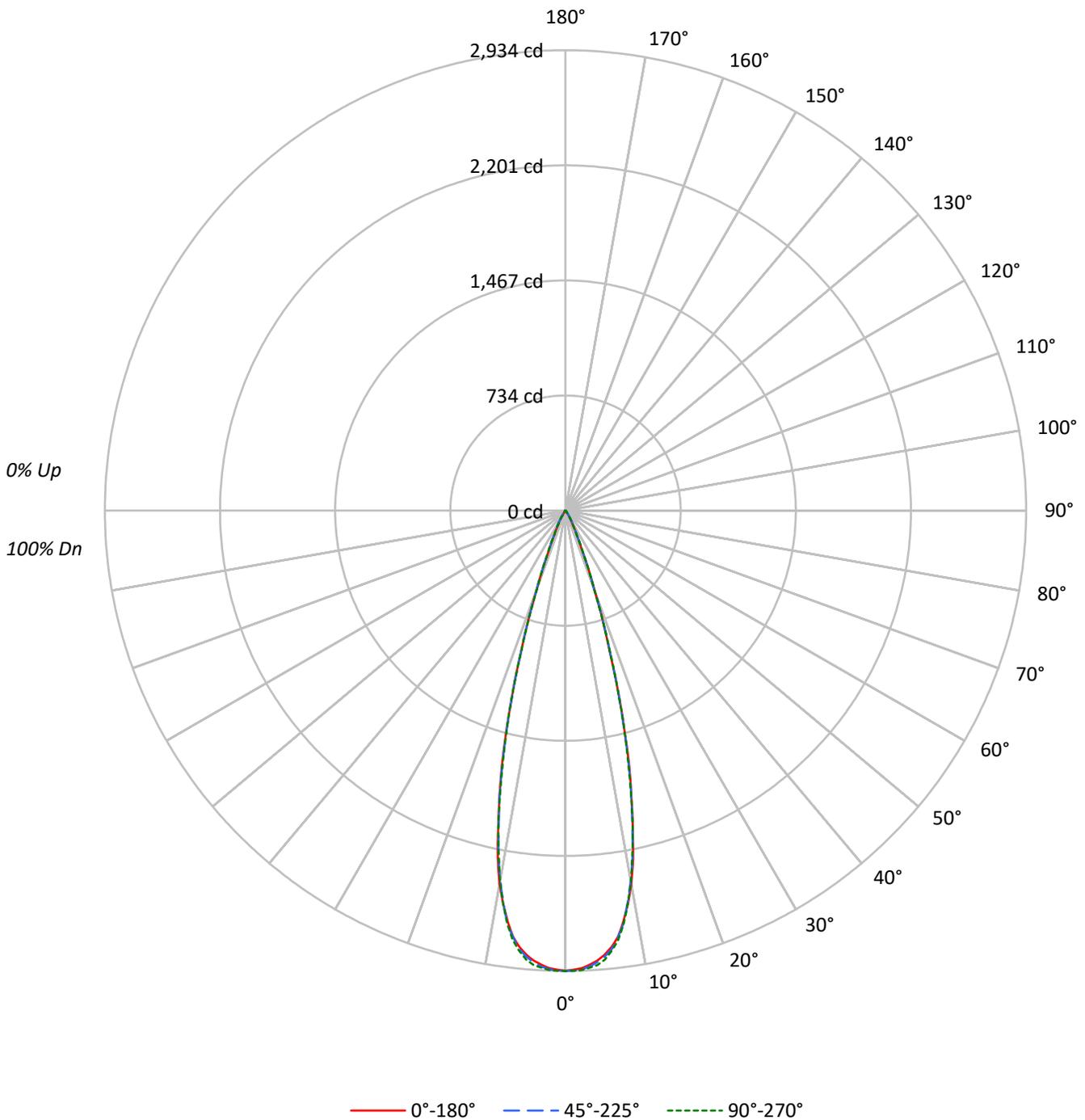
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 763.1 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	78	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	76	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	74	74

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

	0°	45°	90°
0°	505250	505250	505250
5°	491413	493539	496599
10°	422561	418959	419378
15°	259655	257551	257765
20°	98822	99042	97209
25°	31430	33103	31544
30°	12648	15690	12986
35°	4079	6938	4079
40°	1844	3035	1844
45°	706	1291	706
50°	322	643	322
55°	360	360	360
60°	413	413	413
65°	245	245	245
70°	302	302	302
75°	399	399	399
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.8	33.9
10°-20°	383.9	50.3
20°-30°	95.4	12.5
30°-40°	19.0	2.5
40°-50°	3.5	0.5
50°-60°	1.1	0.1
60°-70°	0.8	0.1
70°-80°	0.6	0.1
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°	738.1	96.7
0°-40°	757.1	99.2
0°-60°	761.7	99.8
0°-90°	763.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2934	2934	2934	2934	2934	
5°	2842	2852	2855	2859	2872	258
15°	1456	1459	1444	1449	1446	385
25°	165	169	174	172	166	93
35°	19	25	33	25	19	16
45°	3	4	5	4	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	2933.7	2933.7	2933.7	2933.7	2933.7
1°	2927.2	2930.8	2933.1	2933.1	2933.1
2°	2919.0	2921.4	2924.9	2925.5	2930.2
3°	2899.6	2904.9	2910.8	2914.3	2916.7
4°	2876.0	2883.1	2886.6	2895.5	2903.1
5°	2842.5	2851.9	2854.8	2859.0	2872.5
6°	2797.2	2804.2	2810.1	2811.9	2820.1
7°	2737.1	2740.7	2739.5	2742.4	2757.1
8°	2645.9	2647.1	2657.1	2650.6	2660.6
9°	2537.6	2532.9	2530.5	2535.2	2535.8
10°	2416.3	2400.4	2395.7	2391.6	2398.1
11°	2259.2	2238.6	2240.3	2239.1	2229.7
12°	2063.7	2061.4	2046.1	2049.0	2063.1
13°	1864.2	1868.3	1865.4	1868.9	1853.0
14°	1677.0	1657.0	1662.3	1642.3	1649.9
15°	1456.3	1459.2	1444.5	1449.2	1445.7
17.5°	932.4	938.9	934.2	930.0	936.5
20°	539.2	538.6	540.4	535.1	530.4
22.5°	283.7	287.8	293.1	293.7	297.3
25°	165.4	168.9	174.2	171.9	166.0
27.5°	101.2	107.7	116.0	110.1	103.0
30°	63.6	68.9	78.9	69.5	65.3
32.5°	35.9	43.6	51.8	43.6	35.9
35°	19.4	25.3	33.0	24.7	19.4
37.5°	12.9	14.7	21.8	14.7	12.9
40°	8.2	10.0	13.5	10.0	8.2
42.5°	4.7	6.5	7.7	6.5	4.7
45°	2.9	3.5	5.3	4.1	2.9
47.5°	1.2	1.8	3.5	1.8	1.8
50°	1.2	1.2	2.4	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	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
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°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
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)