

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: P1326640

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQPHRLD1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

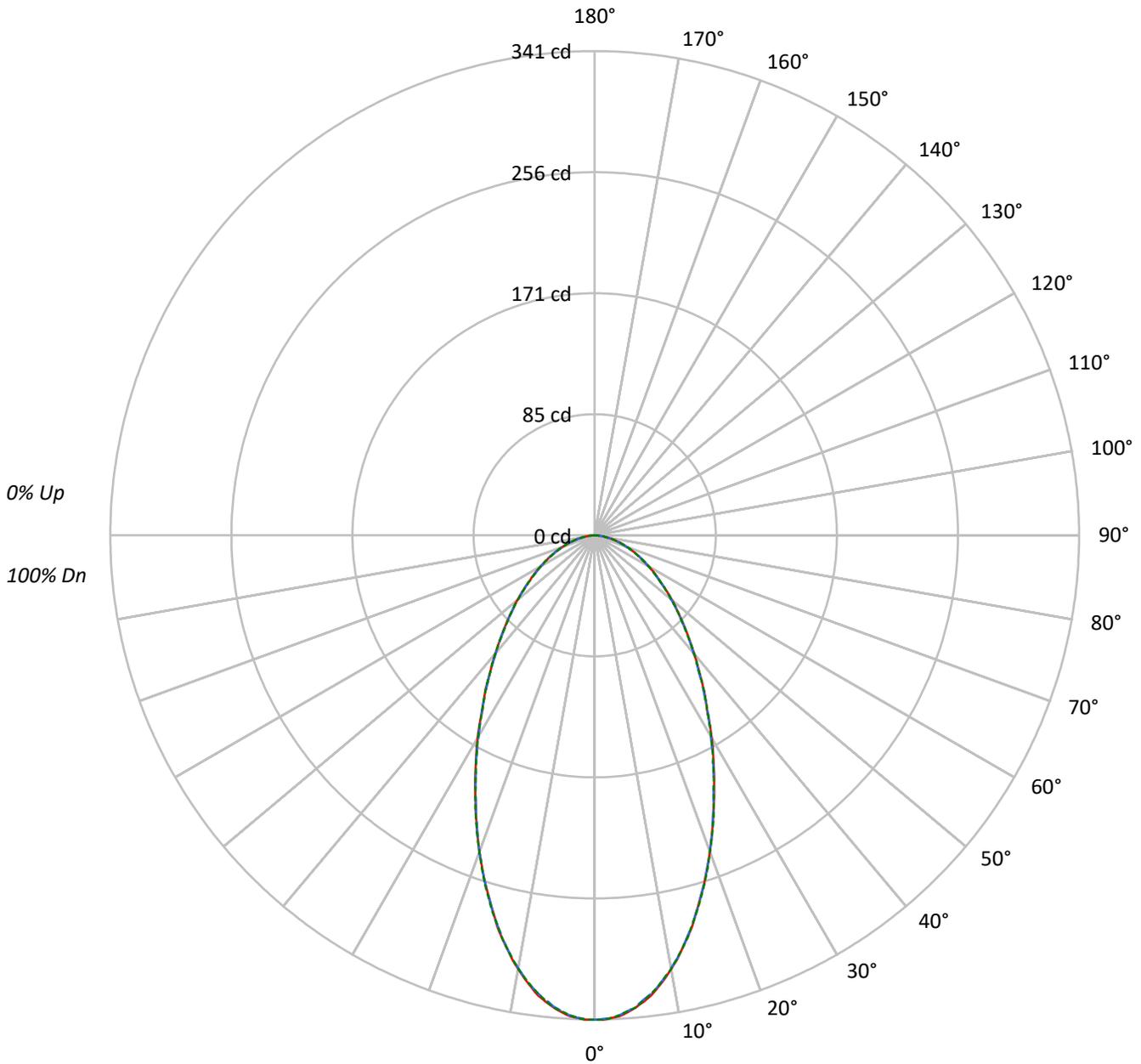
Test Method: LM-79-2019  
Report Number: P1326640  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQPHRLD1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 90CRI ,  
3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 456.0 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88	
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77	
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68	
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60	
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54	
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49	
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44	
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41	
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35	

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

	0°	45°	90°
0°	58780	58780	58780
5°	57690	57586	57690
10°	54230	54143	54230
15°	49103	49103	49210
20°	43473	43473	43473
25°	37796	37682	37682
30°	32773	32534	32654
35°	28215	28089	28215
40°	24483	24348	24483
45°	21506	21360	21360
50°	19077	18916	18916
55°	16785	16785	16785
60°	15190	14983	15190
65°	13652	13652	13652
70°	12135	12135	12135
75°	10979	10580	10979
80°	9323	9323	9323
85°	5730	5730	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21506 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.0	6.8
10°-20°	76.8	16.8
20°-30°	91.3	20.0
30°-40°	83.9	18.4
40°-50°	68.1	14.9
50°-60°	50.4	11.1
60°-70°	33.3	7.3
70°-80°	17.3	3.8
80°-90°	3.9	0.8
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°	199.2	43.7
0°-40°	283.1	62.1
0°-60°	401.6	88.1
0°-90°	456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	334	333	333	333	334	31
15°	275	275	275	275	276	77
25°	199	198	198	199	198	91
35°	134	134	134	134	134	84
45°	88	88	88	88	88	68
55°	56	56	56	56	56	51
65°	34	34	34	34	34	33
75°	16	16	16	16	16	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	341.3	341.3	341.3	341.3	341.3
1°	341.3	340.7	340.7	340.7	341.3
2°	340.2	340.2	340.2	340.2	340.2
3°	339.0	338.4	338.4	338.4	338.4
4°	336.6	336.0	336.0	336.0	336.0
5°	333.7	333.1	333.1	333.1	333.7
6°	330.2	329.6	329.0	329.0	329.6
7°	326.6	325.4	325.4	325.4	325.4
8°	321.3	320.7	320.7	320.7	320.7
9°	316.0	314.9	315.4	315.4	315.4
10°	310.1	309.6	309.6	309.6	310.1
11°	304.3	303.7	303.7	303.1	303.7
12°	297.2	297.2	297.2	297.2	297.2
13°	290.7	290.1	290.1	290.1	290.7
14°	283.7	283.1	283.1	283.1	283.1
15°	275.4	275.4	275.4	275.4	276.0
17.5°	256.6	256.0	256.6	256.6	257.2
20°	237.2	236.6	237.2	237.2	237.2
22.5°	217.7	217.7	217.2	217.7	218.3
25°	198.9	198.3	198.3	198.9	198.3
27.5°	181.3	180.7	180.7	180.7	180.7
30°	164.8	163.6	163.6	164.2	164.2
32.5°	147.7	147.7	148.3	147.7	147.7
35°	134.2	133.6	133.6	134.2	134.2
37.5°	120.6	120.1	120.1	120.6	120.6
40°	108.9	108.9	108.3	108.9	108.9
42.5°	97.7	97.7	97.7	97.7	97.7
45°	88.3	87.7	87.7	87.7	87.7
47.5°	78.9	78.9	78.9	78.3	78.9
50°	71.2	70.6	70.6	70.6	70.6
52.5°	63.0	63.0	63.0	63.0	63.0
55°	55.9	55.9	55.9	55.9	55.9
57.5°	50.0	49.4	49.4	49.4	49.4
60°	44.1	44.1	43.5	44.1	44.1
62.5°	38.3	38.3	38.3	38.3	38.3
65°	33.5	33.5	33.5	33.5	33.5
67.5°	28.8	28.8	28.8	28.8	28.8
70°	24.1	24.1	24.1	24.1	24.1
72.5°	20.6	20.0	20.0	20.0	20.0
75°	16.5	16.5	15.9	16.5	16.5
77.5°	12.4	12.4	12.4	12.4	12.4
80°	9.4	9.4	9.4	8.8	9.4
82.5°	5.9	5.9	5.9	5.9	5.9
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2



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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)