

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: P1326543

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQPHRLP1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

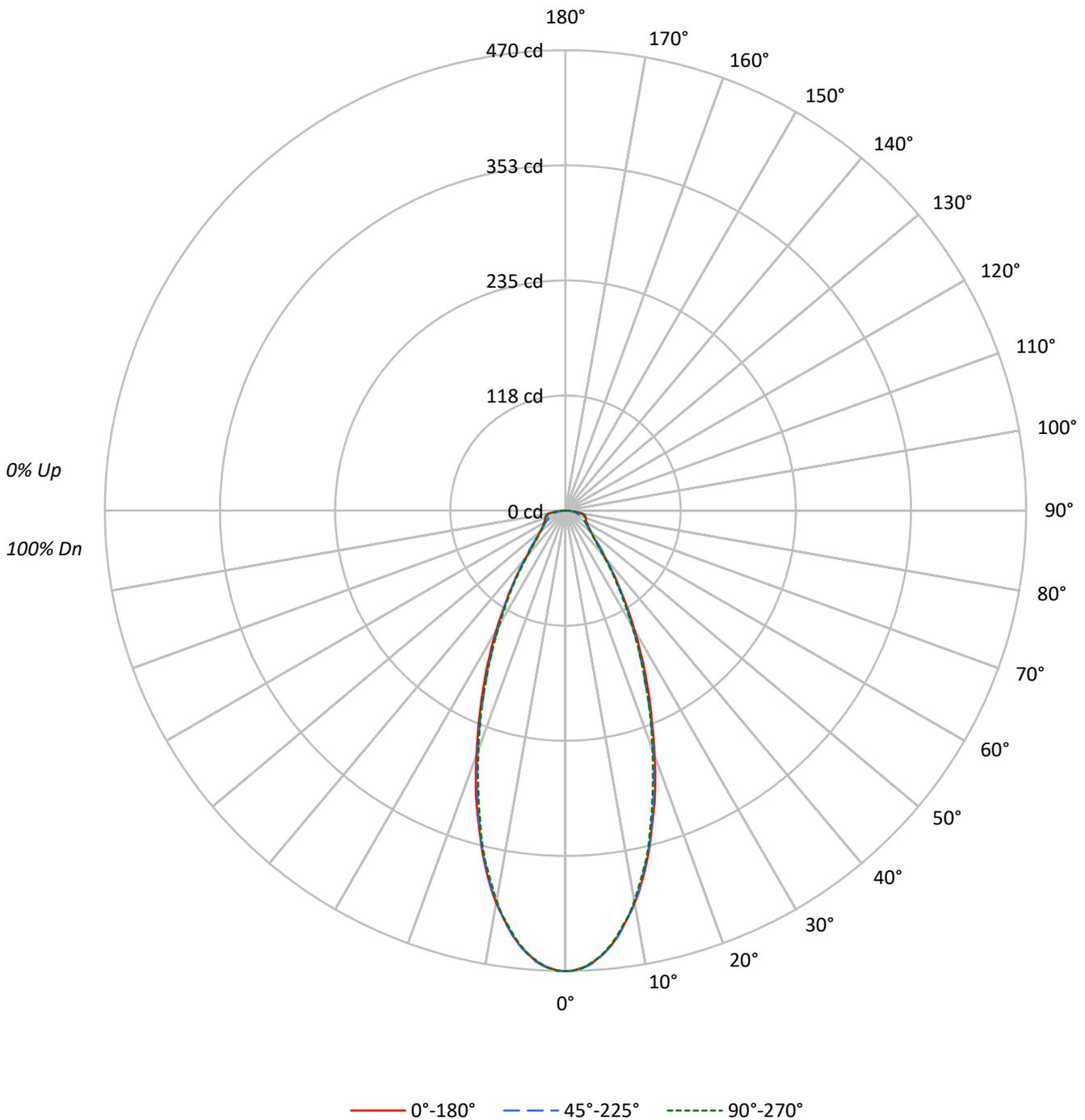
Test Method: LM-79-2019  
Report Number: P1326543  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQPHRLP1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3500K CCT AND, 90CRI ,  
3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 389.0 lumens  
Efficiency: N/A  
Efficacy: 43.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

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

	0°	45°	90°
0°	80979	80979	80979
5°	78315	78419	78315
10°	71141	71036	70721
15°	60390	60176	59659
20°	48623	47963	47542
25°	37587	36466	36466
30°	28020	27085	26847
35°	20162	19910	19427
40°	14119	14501	13579
45°	10522	11106	10230
50°	9056	9056	8895
55°	8527	8167	8347
60°	8783	7957	8370
65°	9414	7947	9169
70°	11028	8359	10726
75°	13774	8650	13375
80°	17654	9422	15869
85°	14030	9287	14030

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 17654 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.8	10.7
10°-20°	93.2	24.0
20°-30°	89.0	22.9
30°-40°	59.8	15.4
40°-50°	35.1	9.0
50°-60°	25.1	6.5
60°-70°	20.9	5.4
70°-80°	17.1	4.4
80°-90°	7.1	1.8
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°	224.0	57.6
0°-40°	283.7	72.9
0°-60°	343.9	88.4
0°-90°	389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	470	470	470	470	470	
5°	453	454	454	453	453	42
15°	339	339	338	335	335	94
25°	198	195	192	192	192	91
35°	96	96	95	93	92	61
45°	43	44	46	43	42	35
55°	28	28	27	27	28	26
65°	23	21	20	21	22	23
75°	21	16	13	16	20	22
85°	7	8	5	8	7	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	470.2	470.2	470.2	470.2	470.2
1°	469.6	470.2	470.2	469.6	469.6
2°	467.2	468.4	467.8	467.2	467.8
3°	464.2	465.4	464.8	464.2	463.7
4°	459.5	460.7	460.1	458.9	458.9
5°	453.0	454.2	453.6	453.0	453.0
6°	446.5	447.7	446.5	445.3	445.3
7°	437.6	439.4	438.2	437.0	436.4
8°	427.5	429.3	428.1	427.5	426.3
9°	417.5	418.6	416.9	416.9	416.9
10°	406.8	407.4	406.2	404.4	404.4
11°	395.0	394.4	393.8	392.6	391.4
12°	381.9	381.9	380.2	379.0	378.4
13°	368.3	367.7	366.5	365.4	365.4
14°	354.1	354.1	352.9	350.6	351.1
15°	338.7	339.3	337.5	335.2	334.6
17.5°	303.8	302.6	299.6	297.8	296.1
20°	265.3	264.7	261.7	260.0	259.4
22.5°	229.8	229.2	226.2	224.4	225.6
25°	197.8	195.4	191.9	191.9	191.9
27.5°	168.2	165.2	162.8	161.7	162.8
30°	140.9	138.6	136.2	135.6	135.0
32.5°	116.7	115.5	114.3	112.5	112.5
35°	95.9	95.9	94.7	93.0	92.4
37.5°	78.2	78.8	78.2	76.4	75.8
40°	62.8	64.0	64.5	62.8	60.4
42.5°	51.5	53.3	54.5	51.5	49.7
45°	43.2	44.4	45.6	43.2	42.0
47.5°	37.9	38.5	39.1	37.3	36.7
50°	33.8	33.8	33.8	33.2	33.2
52.5°	30.8	30.8	30.2	29.6	29.6
55°	28.4	27.8	27.2	27.2	27.8
57.5°	26.6	26.1	24.9	25.5	26.1
60°	25.5	24.3	23.1	23.7	24.3
62.5°	23.7	22.5	21.3	21.9	23.1
65°	23.1	20.7	19.5	20.7	22.5
67.5°	22.5	19.5	17.8	19.5	21.9
70°	21.9	18.4	16.6	18.4	21.3
72.5°	21.3	17.2	14.8	17.2	20.7
75°	20.7	16.0	13.0	16.0	20.1
77.5°	19.5	14.8	11.3	14.8	18.4
80°	17.8	13.6	9.5	13.0	16.0
82.5°	13.0	11.3	7.7	11.3	11.8
85°	7.1	7.7	4.7	7.7	7.1
87.5°	0.6	1.2	1.2	3.6	2.4



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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)