

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: P1326521

Luminaire Tested: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

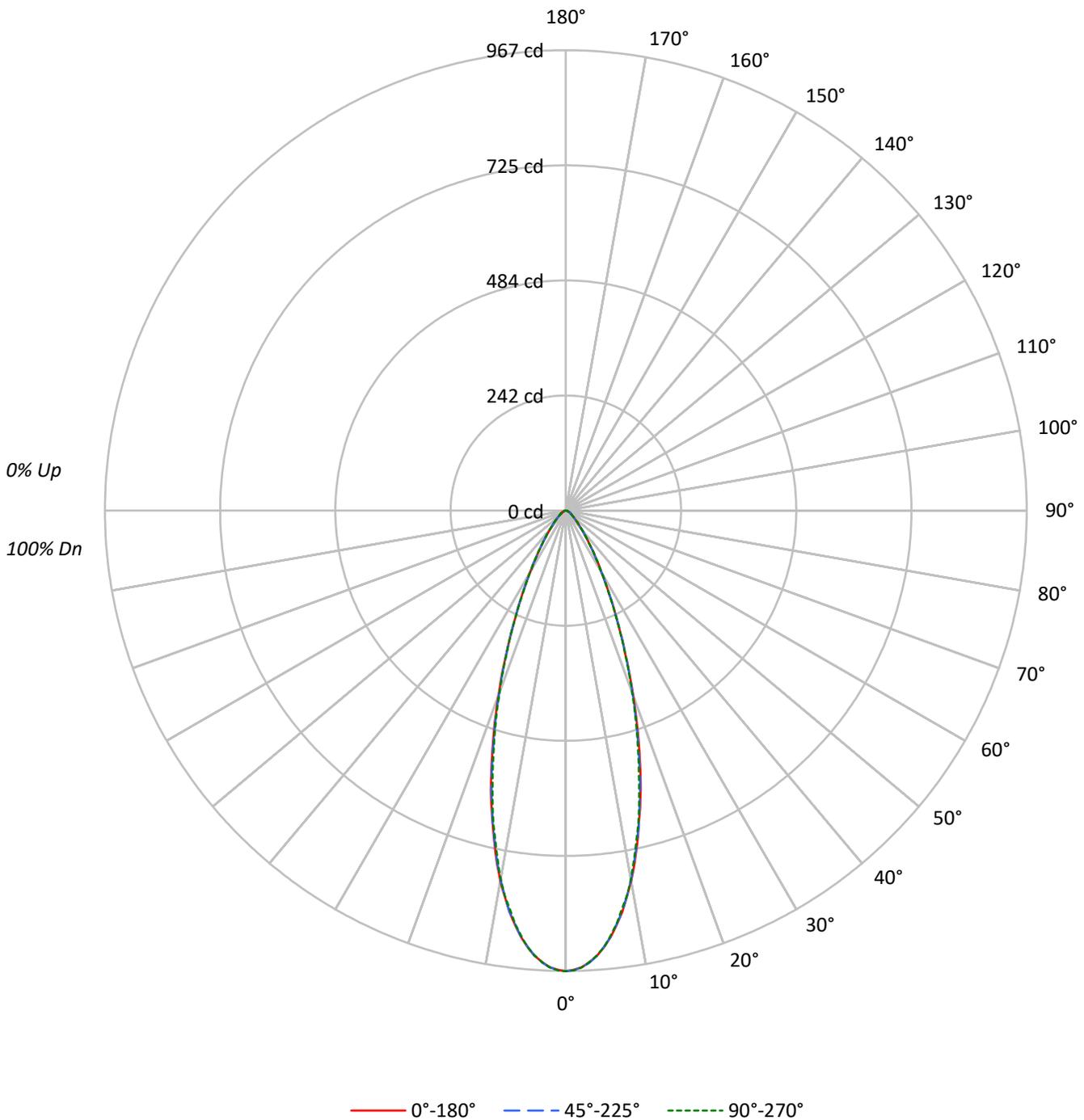
Test Method: LM-79-2019  
Report Number: P1326521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902750DE010 3LSQPHRL1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 477.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	166574	166574	166574
5°	159171	158894	159171
10°	138190	137718	137543
15°	108280	107425	105731
20°	75748	75070	74593
25°	48115	48419	48115
30°	29631	29850	29631
35°	18333	18438	18438
40°	11646	11758	11758
45°	7843	7989	8111
50°	5653	5814	5814
55°	4444	4444	4444
60°	3651	3651	3651
65°	3219	3219	3219
70°	2921	2921	2921
75°	2462	2462	2462
80°	2083	2083	2083
85°	988	988	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 8111 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	17.5
10°-20°	164.6	34.5
20°-30°	118.7	24.9
30°-40°	57.2	12.0
40°-50°	26.4	5.5
50°-60°	13.7	2.9
60°-70°	7.9	1.7
70°-80°	4.0	0.8
80°-90°	0.9	0.2
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°	366.9	76.9
0°-40°	424.1	88.9
0°-60°	464.2	97.3
0°-90°	477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	477.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	921	923	919	920	921	84
15°	607	606	602	600	593	166
25°	253	254	255	255	253	119
35°	87	87	88	88	88	57
45°	32	33	33	33	33	26
55°	15	15	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	967.2	967.2	967.2	967.2	967.2
1°	964.6	966.2	965.6	966.2	965.6
2°	959.8	960.9	959.8	960.3	960.3
3°	949.8	950.8	950.8	950.3	949.8
4°	937.6	940.3	937.6	938.1	936.6
5°	920.7	922.8	919.1	919.6	920.7
6°	900.1	900.6	899.6	899.0	898.0
7°	876.3	878.4	874.7	875.2	874.2
8°	850.9	850.4	850.4	848.3	845.1
9°	820.3	822.4	819.2	818.2	818.7
10°	790.2	790.2	787.5	784.9	786.5
11°	755.8	754.7	753.2	749.5	748.4
12°	718.3	720.4	715.6	714.0	710.3
13°	679.7	682.9	680.7	674.9	675.5
14°	643.7	641.6	640.0	639.0	635.3
15°	607.3	606.2	602.5	599.9	593.0
17.5°	507.4	508.4	501.6	500.5	497.9
20°	413.3	410.1	409.6	410.1	407.0
22.5°	326.1	329.3	325.6	326.1	324.0
25°	253.2	253.7	254.8	254.8	253.2
27.5°	196.6	196.6	195.6	196.6	195.0
30°	149.0	149.0	150.1	151.2	149.0
32.5°	115.2	115.2	115.2	115.7	116.3
35°	87.2	87.2	87.7	87.7	87.7
37.5°	67.1	67.7	68.2	68.2	68.2
40°	51.8	52.3	52.3	52.9	52.3
42.5°	41.2	41.2	41.2	41.8	41.8
45°	32.2	32.8	32.8	33.3	33.3
47.5°	26.4	26.4	26.4	27.0	27.0
50°	21.1	21.7	21.7	21.7	21.7
52.5°	17.4	17.4	18.0	18.0	18.0
55°	14.8	14.8	14.8	14.8	14.8
57.5°	12.2	12.7	12.7	12.7	12.7
60°	10.6	10.6	10.6	10.6	10.6
62.5°	9.0	9.0	9.0	9.0	9.0
65°	7.9	7.9	7.9	7.9	7.9
67.5°	6.3	6.9	6.9	6.9	6.9
70°	5.8	5.8	5.8	5.8	5.8
72.5°	4.2	4.8	4.8	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.2	2.6	2.6	2.6	3.2
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.5	0.5



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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)