

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: P1324200

Luminaire Tested: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

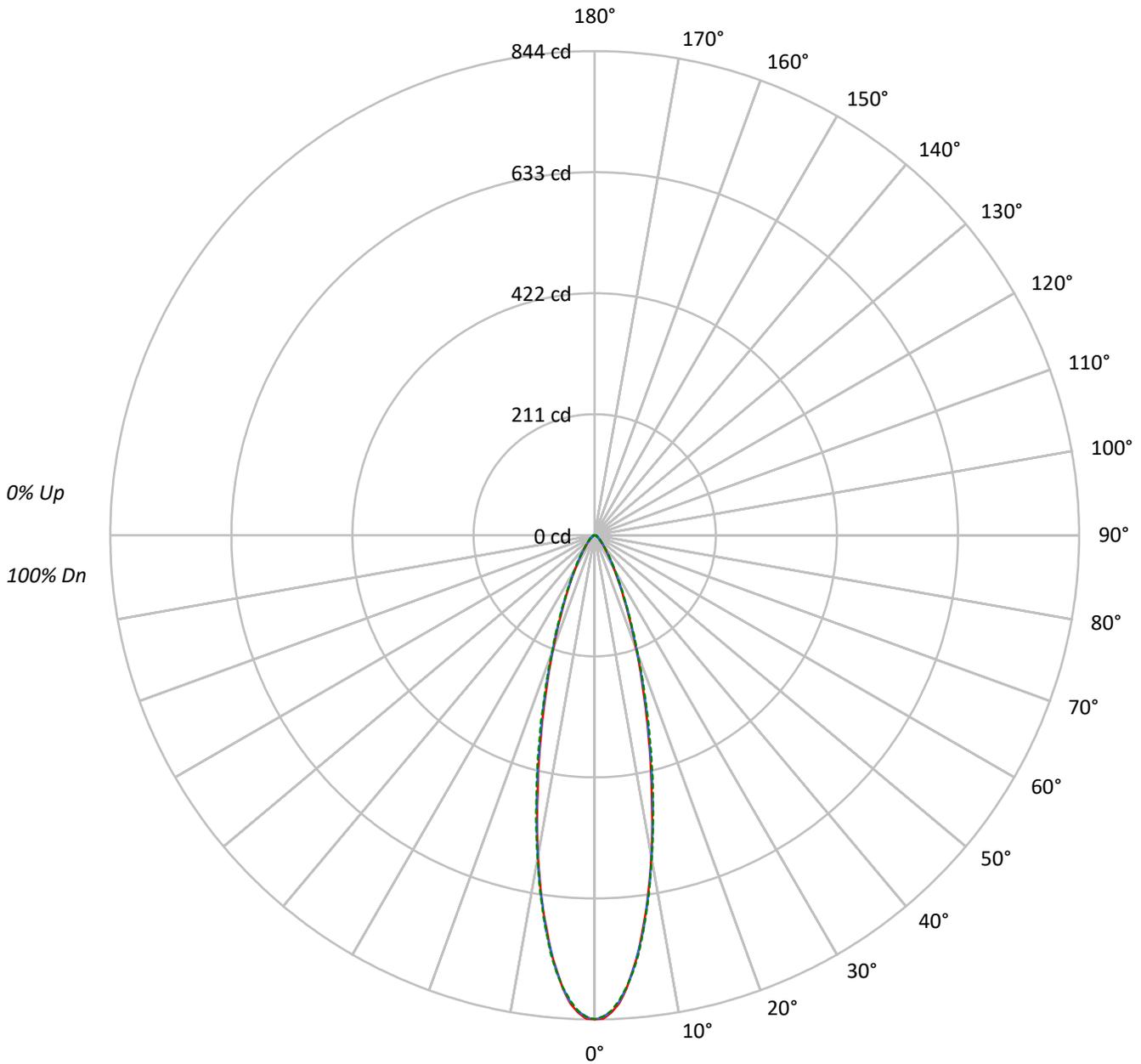
Test Method: LM-79-2019  
Report Number: P1324200  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902750DE010 3LSQPHRL1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,  
3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 279.0 lumens  
Efficiency: N/A  
Efficacy: 47.3 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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% Up  
100% Dn

— 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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	71	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

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

	0°	45°	90°
0°	145304	145304	145304
5°	131614	131856	132046
10°	99367	99611	100118
15°	64455	65150	66434
20°	38799	39258	39789
25°	22670	23145	23487
30°	13324	13742	13960
35°	8200	8515	8662
40°	5396	5553	5643
45°	3751	3848	3921
50°	2786	2867	2974
55°	2252	2372	2372
60°	1963	1963	1963
65°	1752	1752	1752
70°	1460	1611	1611
75°	1397	1397	1397
80°	1091	1389	1389
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 3921 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	23.8
10°-20°	101.6	36.4
20°-30°	57.8	20.7
30°-40°	26.4	9.4
40°-50°	12.6	4.5
50°-60°	7.1	2.5
60°-70°	4.3	1.5
70°-80°	2.3	0.8
80°-90°	0.5	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°	225.8	80.9
0°-40°	252.2	90.4
0°-60°	271.9	97.5
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	761	761	763	763	764	66
15°	362	363	365	370	373	100
25°	119	119	122	123	124	57
35°	39	40	40	41	41	26
45°	15	15	16	16	16	12
55°	8	8	8	8	8	7
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	843.7	843.7	843.7	843.7	843.7
1°	843.0	840.8	840.1	839.7	839.0
2°	832.2	830.4	830.1	830.1	829.7
3°	817.2	813.9	814.3	813.2	812.2
4°	791.7	790.3	791.0	791.7	790.3
5°	761.3	760.9	762.7	762.7	763.8
6°	729.8	729.4	728.3	731.2	732.6
7°	689.6	691.8	694.6	693.2	694.3
8°	653.1	650.6	651.7	655.2	655.6
9°	610.1	608.3	613.0	614.4	614.8
10°	568.2	570.0	569.6	574.6	572.5
12.5°	458.9	461.8	465.0	467.2	469.3
15°	361.5	363.3	365.4	370.4	372.6
17.5°	278.0	280.2	282.3	286.6	287.3
20°	211.7	212.8	214.2	218.2	217.1
22.5°	158.3	160.1	161.6	163.4	164.4
25°	119.3	119.3	121.8	122.9	123.6
27.5°	88.8	89.6	91.4	92.8	92.4
30°	67.0	68.1	69.1	69.9	70.2
32.5°	51.6	51.6	52.7	53.7	54.1
35°	39.0	39.8	40.5	41.2	41.2
37.5°	30.5	30.8	31.5	31.9	31.9
40°	24.0	24.0	24.7	25.1	25.1
42.5°	19.0	19.3	19.7	20.1	20.1
45°	15.4	15.4	15.8	16.1	16.1
47.5°	12.5	12.5	12.9	13.3	13.3
50°	10.4	10.7	10.7	11.1	11.1
52.5°	9.0	9.0	9.0	9.3	9.3
55°	7.5	7.5	7.9	7.9	7.9
57.5°	6.4	6.4	6.4	6.8	6.8
60°	5.7	5.7	5.7	5.7	5.7
62.5°	5.0	5.0	5.0	5.0	5.0
65°	4.3	4.3	4.3	4.3	4.3
67.5°	3.6	3.6	3.6	3.9	3.9
70°	2.9	3.2	3.2	3.2	3.2
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.1	2.1	2.1	2.1	2.1
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.1	1.4	1.4	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)