

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: P1324526

Luminaire Tested: LDSQA3D05R25W2N902750DE010 3LSQPHR1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

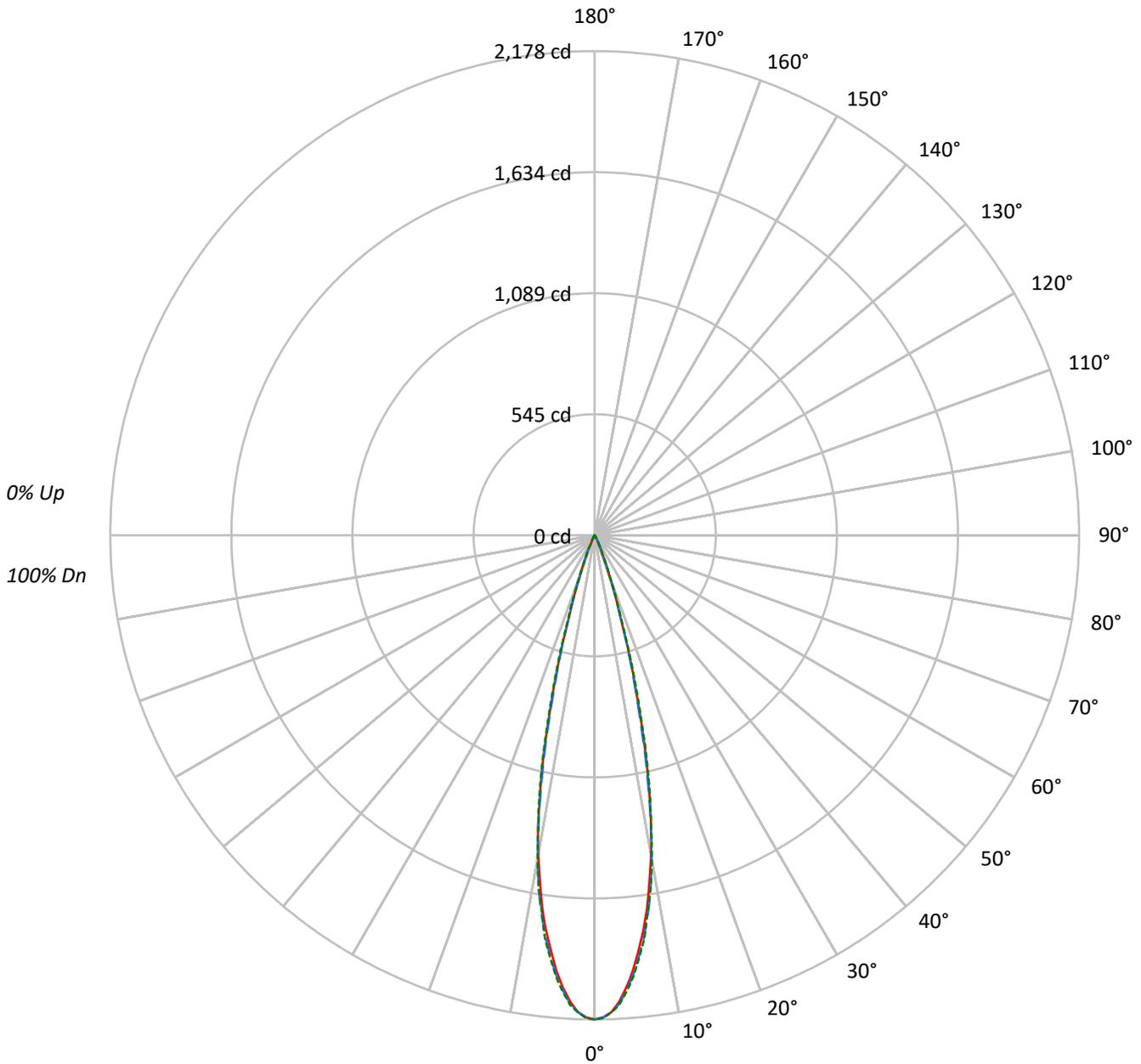
Test Method: LM-79-2019  
Report Number: P1324526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R25W2N902750DE010 3LSQPHR1MB\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI ,  
3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 402.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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°-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
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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	99	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	96	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	94	94	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	92	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	89	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	87	87	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	86	86	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	84	84	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	82	82	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

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

	0°	45°	90°
0°	375135	375135	375135
5°	339952	343047	344724
10°	255569	257388	258577
15°	126538	122776	130942
20°	35739	36325	36728
25°	6195	11725	7354
30°	2426	2486	2565
35°	757	820	820
40°	247	315	247
45°	170	97	170
50°	107	0	107
55°	120	0	120
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 170 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	43.0
10°-20°	195.1	48.5
20°-30°	30.3	7.5
30°-40°	3.1	0.8
40°-50°	0.4	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	398.5	99.1
0°-40°	401.5	99.9
0°-60°	402.0	100.0
0°-90°	402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	402.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2178	2178	2178	2178	2178	
5°	1966	1970	1984	1992	1994	171
15°	710	705	689	719	734	194
25°	33	48	62	47	39	27
35°	4	4	4	4	4	3
45°	1	0	0	0	1	0
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2178.2	2178.2	2178.2	2178.2	2178.2
1°	2169.3	2172.2	2168.9	2172.5	2172.2
2°	2146.7	2149.6	2145.6	2147.8	2147.8
3°	2100.5	2106.6	2110.1	2112.7	2114.8
4°	2039.5	2046.3	2051.7	2058.2	2058.2
5°	1966.4	1970.0	1984.3	1992.2	1994.0
6°	1879.3	1893.6	1904.4	1920.2	1910.5
7°	1792.2	1804.0	1819.1	1821.6	1828.4
8°	1693.3	1705.8	1719.8	1717.3	1711.6
9°	1572.8	1591.1	1607.6	1602.2	1609.4
10°	1461.4	1472.5	1471.8	1466.4	1478.6
11°	1332.0	1334.5	1320.5	1342.4	1329.1
12°	1178.6	1180.7	1162.8	1184.3	1197.9
13°	1031.6	1026.6	1001.8	1030.2	1047.4
14°	862.4	864.2	832.7	887.5	883.2
15°	709.7	704.7	688.6	719.4	734.4
17.5°	378.2	381.4	377.4	392.9	402.5
20°	195.0	200.4	198.2	204.7	200.4
22.5°	101.1	108.6	110.8	105.7	92.1
25°	32.6	48.4	61.7	47.0	38.7
27.5°	19.7	19.4	30.1	20.8	21.1
30°	12.2	11.8	12.5	12.5	12.9
32.5°	6.8	7.2	6.8	7.5	7.2
35°	3.6	3.9	3.9	4.3	3.9
37.5°	2.2	2.5	2.5	2.5	2.2
40°	1.1	1.4	1.4	1.1	1.1
42.5°	0.7	0.7	0.7	0.7	0.7
45°	0.7	0.4	0.4	0.4	0.7
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.4	0.0	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.4	0.0	0.0	0.0	0.4
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)