

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: P1324291

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQPHR1MW\_6500K

Issue Date: 1/29/2026

**Test Information**

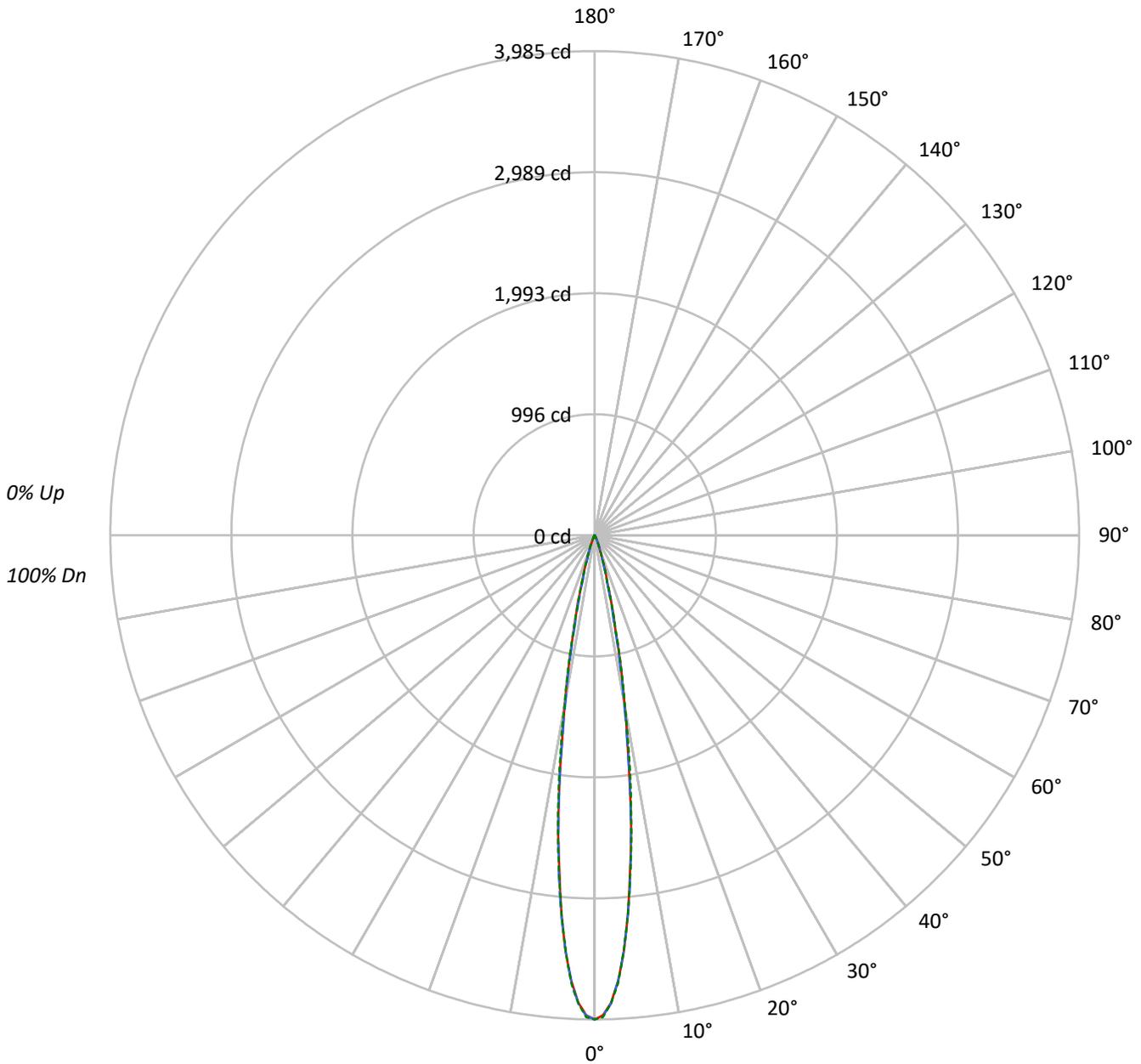
Test Method: LM-79-2019  
Report Number: P1324291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQPHR1MW\_6500K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 6500K CCT AND, 90CRI ,  
3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 399.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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	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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	97	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	97	96	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	96	94	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	95	93	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	94	92	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	92	90	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	91	89	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	90	88	86	86

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

	0°	45°	90°
0°	686273	686273	686273
5°	541341	542776	540857
10°	247664	241176	252893
15°	73637	65738	72139
20°	21865	21205	22964
25°	6214	8038	7202
30°	2227	2386	2148
35°	841	757	757
40°	360	180	270
45°	195	97	195
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: 47.5°

Luminance: 204 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.8	60.3
10°-20°	133.7	33.5
20°-30°	21.3	5.3
30°-40°	2.8	0.7
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°	395.7	99.2
0°-40°	398.5	99.9
0°-60°	399.0	100.0
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3985	3985	3985	3985	3985	
5°	3131	3158	3140	3126	3128	240
15°	413	408	369	392	405	136
25°	33	37	42	42	38	20
35°	4	4	4	4	4	3
45°	1	0	0	0	1	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8	3984.8
1°	3950.5	3954.9	3960.5	3955.3	3950.5	3954.9	3948.9	3949.7	3944.9	3955.3	3966.8
2°	3849.9	3855.5	3852.3	3845.1	3856.3	3857.1	3844.7	3838.7	3838.0	3848.3	3852.3
3°	3672.0	3684.7	3685.1	3682.7	3679.1	3672.0	3659.2	3667.6	3656.0	3648.8	3689.5
4°	3435.3	3446.5	3459.7	3450.9	3424.5	3426.9	3435.3	3407.0	3408.6	3424.9	3426.1
5°	3131.3	3165.2	3166.8	3154.4	3133.6	3139.6	3133.6	3125.7	3128.5	3138.8	3128.5
6°	2773.3	2811.6	2783.3	2810.4	2804.4	2812.0	2814.0	2805.6	2811.6	2805.2	2803.2
7°	2464.1	2434.9	2438.9	2427.7	2439.7	2447.7	2452.5	2438.1	2449.7	2468.1	2473.2
8°	2080.6	2072.2	2063.8	2083.8	2078.2	2087.8	2093.8	2109.7	2108.9	2114.5	2132.9
9°	1715.5	1727.8	1735.4	1717.9	1733.0	1703.5	1713.9	1756.6	1745.4	1756.6	1789.3
10°	1416.2	1426.2	1415.0	1414.6	1398.6	1379.1	1377.9	1393.8	1427.4	1453.7	1446.1
12.5°	781.3	790.1	791.3	790.5	761.8	729.4	735.4	748.2	768.9	777.7	792.1
15°	413.0	412.6	417.0	404.6	389.5	368.7	370.3	387.9	403.4	407.4	404.6
17.5°	211.9	212.7	215.9	212.7	196.7	198.7	203.1	205.1	214.3	217.9	215.9
20°	119.3	119.7	119.3	120.5	114.1	115.7	121.3	121.7	123.7	125.7	125.3
22.5°	68.2	68.6	71.0	70.2	68.6	70.6	71.8	73.8	74.6	73.8	76.2
25°	32.7	33.1	33.1	37.9	40.3	42.3	43.1	42.3	41.5	38.3	37.9
27.5°	18.8	18.8	19.6	20.0	20.7	24.3	23.9	20.0	16.8	16.8	17.2
30°	11.2	10.8	10.8	11.2	11.6	12.0	11.2	10.8	10.8	11.2	10.8
32.5°	6.8	6.8	6.8	6.4	6.4	6.0	6.0	6.8	6.8	6.8	6.8
35°	4.0	4.0	4.0	4.0	3.6	3.6	3.6	4.0	4.0	3.6	3.6
37.5°	2.4	2.4	2.4	2.0	2.0	1.6	2.0	2.0	2.0	2.0	2.0
40°	1.6	1.6	1.2	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.2
42.5°	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8	0.8
45°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
47.5°	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.4
50°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
52.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)