

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: P1324305

Luminaire Tested: LDSQA3D05R15W2N902765DE010 3LSQPHRL1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

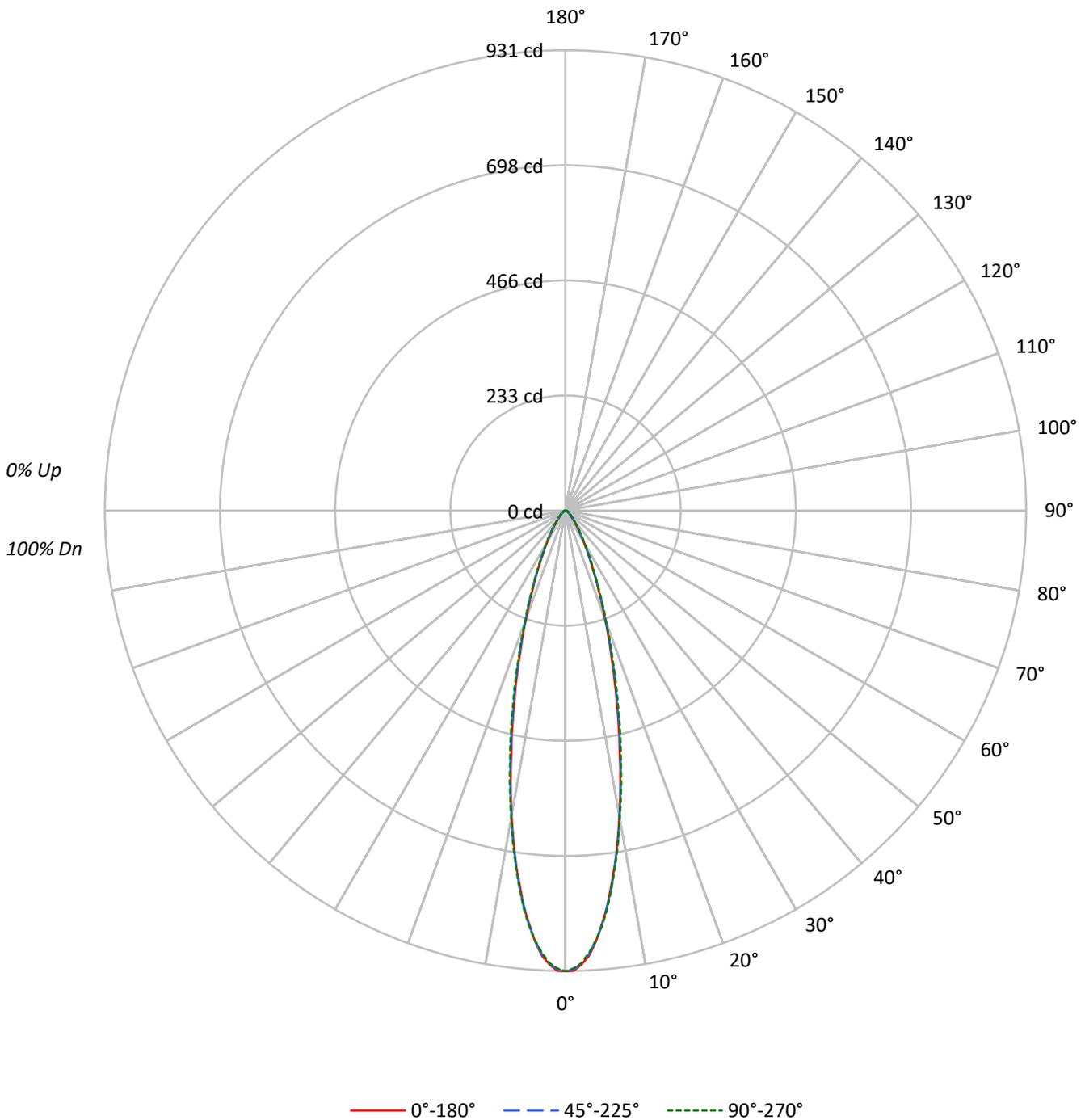
Test Method: LM-79-2019  
Report Number: P1324305  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R15W2N902765DE010 3LSQPHRL1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 308.0 lumens  
Efficiency: N/A  
Efficacy: 52.2 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





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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	70	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°	160408	160408	160408
5°	145289	145565	145773
10°	109684	109964	110524
15°	71141	71925	73334
20°	42831	43345	43931
25°	25027	25559	25920
30°	14716	15173	15412
35°	9062	9398	9566
40°	5958	6138	6228
45°	4141	4238	4335
50°	3081	3188	3296
55°	2492	2612	2612
60°	2170	2170	2170
65°	1915	1915	1915
70°	1611	1813	1813
75°	1597	1597	1597
80°	1190	1587	1587
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 4335 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	23.8
10°-20°	112.2	36.4
20°-30°	63.8	20.7
30°-40°	29.1	9.4
40°-50°	14.0	4.5
50°-60°	7.8	2.5
60°-70°	4.8	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	249.3	80.9
0°-40°	278.4	90.4
0°-60°	300.1	97.4
0°-90°	308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	840	840	842	842	843	73
15°	399	401	403	409	411	111
25°	132	132	134	136	136	62
35°	43	44	45	46	46	28
45°	17	17	17	18	18	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
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°	931.4	931.4	931.4	931.4	931.4
1°	930.6	928.2	927.4	927.0	926.2
2°	918.7	916.7	916.3	916.3	915.9
3°	902.1	898.5	898.9	897.8	896.6
4°	874.0	872.4	873.2	874.0	872.4
5°	840.4	840.0	842.0	842.0	843.2
6°	805.6	805.2	804.0	807.2	808.8
7°	761.3	763.7	766.8	765.3	766.5
8°	721.0	718.2	719.4	723.3	723.7
9°	673.5	671.5	676.7	678.3	678.7
10°	627.2	629.2	628.8	634.4	632.0
12.5°	506.6	509.8	513.3	515.7	518.1
15°	399.0	401.0	403.4	408.9	411.3
17.5°	306.9	309.3	311.6	316.4	317.2
20°	233.7	234.9	236.5	240.9	239.7
22.5°	174.8	176.8	178.4	180.3	181.5
25°	131.7	131.7	134.5	135.7	136.4
27.5°	98.1	98.9	100.8	102.4	102.0
30°	74.0	75.1	76.3	77.1	77.5
32.5°	57.0	57.0	58.1	59.3	59.7
35°	43.1	43.9	44.7	45.5	45.5
37.5°	33.6	34.0	34.8	35.2	35.2
40°	26.5	26.5	27.3	27.7	27.7
42.5°	21.0	21.4	21.8	22.1	22.1
45°	17.0	17.0	17.4	17.8	17.8
47.5°	13.8	13.8	14.2	14.6	14.6
50°	11.5	11.9	11.9	12.3	12.3
52.5°	9.9	9.9	9.9	10.3	10.3
55°	8.3	8.3	8.7	8.7	8.7
57.5°	7.1	7.1	7.1	7.5	7.5
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.7	4.7	4.7	4.7	4.7
67.5°	4.0	4.0	4.0	4.4	4.4
70°	3.2	3.6	3.6	3.6	3.6
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
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)