

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: P1325428

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCDR1MMS\_3500K

Issue Date: 1/29/2026

**Test Information**

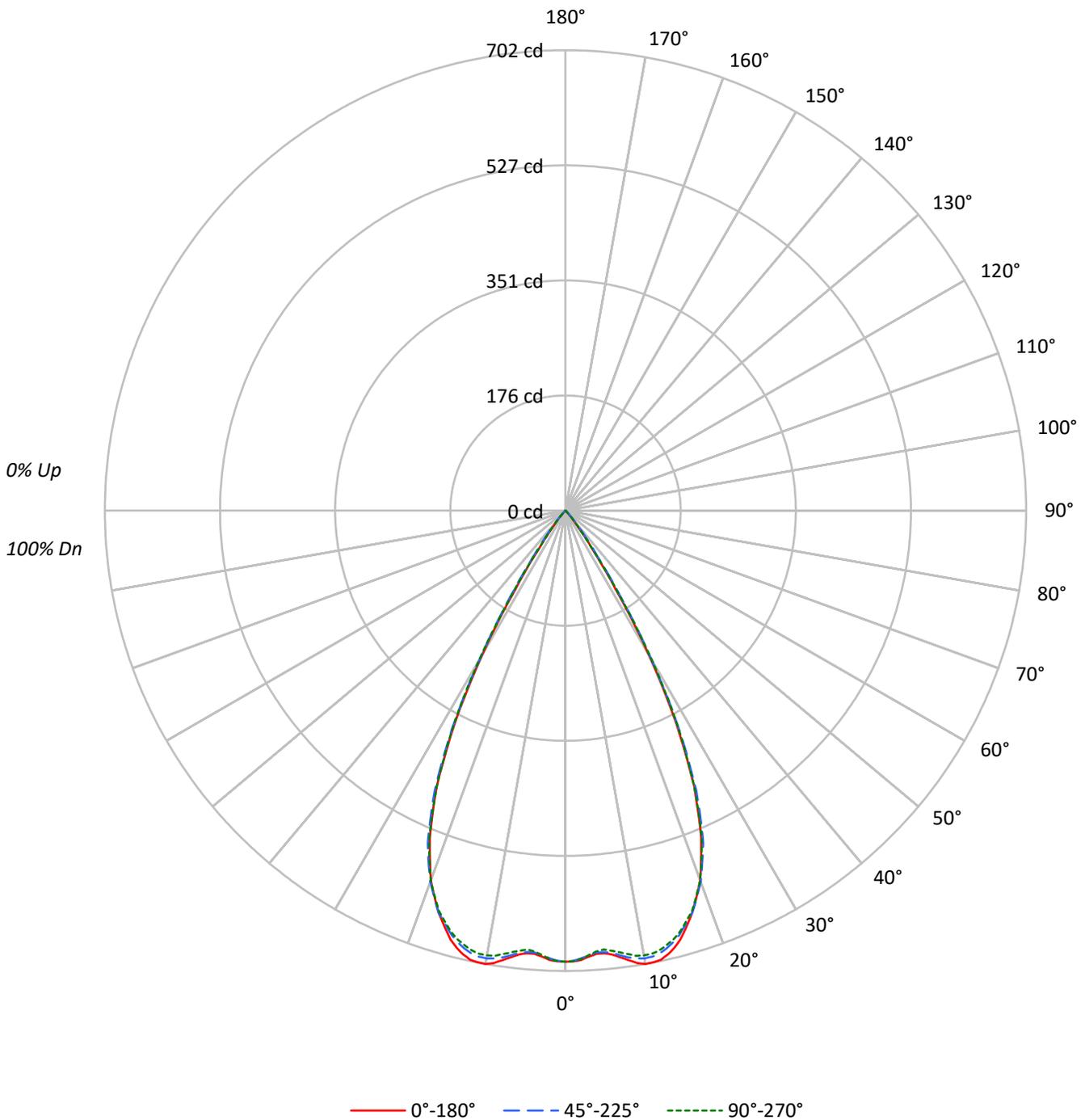
Test Method: LM-79-2019  
Report Number: P1325428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R55W2N902765DE010 3LSQCDR1MMS\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 523.0 lumens  
Efficiency: N/A  
Efficacy: 88.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	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	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	118472	118472	118472
5°	117127	116781	116158
10°	122765	121279	120439
15°	120726	119442	118996
20°	109965	110405	110039
25°	88210	89598	88210
30°	50631	51904	52302
35°	14444	17387	14864
40°	3710	5328	3799
45°	390	1851	292
50°	0	322	0
55°	0	0	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 1851 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	12.5
10°-20°	186.4	35.6
20°-30°	205.3	39.3
30°-40°	61.3	11.7
40°-50°	4.7	0.9
50°-60°	0.0	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°	457.0	87.4
0°-40°	518.3	99.1
0°-60°	523.0	100.0
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	678	676	676	673	672	66
15°	677	672	670	667	667	188
25°	464	464	472	471	464	203
35°	69	73	83	76	71	57
45°	2	4	8	4	1	3
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°	687.9	687.9	687.9	687.9	687.9
1°	687.5	687.5	686.7	686.3	687.5
2°	685.5	685.5	683.5	683.1	684.3
3°	681.1	680.7	679.1	677.9	678.7
4°	677.5	676.7	675.5	673.5	673.9
5°	677.5	676.3	675.5	672.7	671.9
6°	680.7	679.9	678.3	675.5	674.7
7°	686.3	684.7	683.1	679.5	678.7
8°	692.3	691.1	687.9	684.3	682.7
9°	698.4	695.6	691.5	687.9	687.5
10°	702.0	698.0	693.5	689.1	688.7
11°	701.6	698.0	692.7	688.7	688.3
12°	700.0	694.8	690.3	685.5	685.9
13°	694.4	689.5	685.1	681.5	680.7
14°	686.7	682.3	678.3	674.7	675.1
15°	677.1	672.3	669.9	667.0	667.4
17.5°	642.9	641.7	642.9	639.7	640.9
20°	600.0	598.8	602.4	600.8	600.4
22.5°	540.1	541.7	548.6	546.6	543.0
25°	464.2	464.2	471.5	470.7	464.2
27.5°	365.4	368.3	372.7	374.7	369.9
30°	254.6	261.0	261.0	265.1	263.0
32.5°	142.2	155.8	159.0	161.0	153.0
35°	68.7	73.1	82.7	75.5	70.7
37.5°	32.9	34.9	44.6	36.1	33.7
40°	16.5	18.9	23.7	19.7	16.9
42.5°	6.8	10.0	12.4	10.0	6.8
45°	1.6	4.0	7.6	4.0	1.2
47.5°	0.0	0.4	3.6	0.8	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)