

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: P1325698

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCDR1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

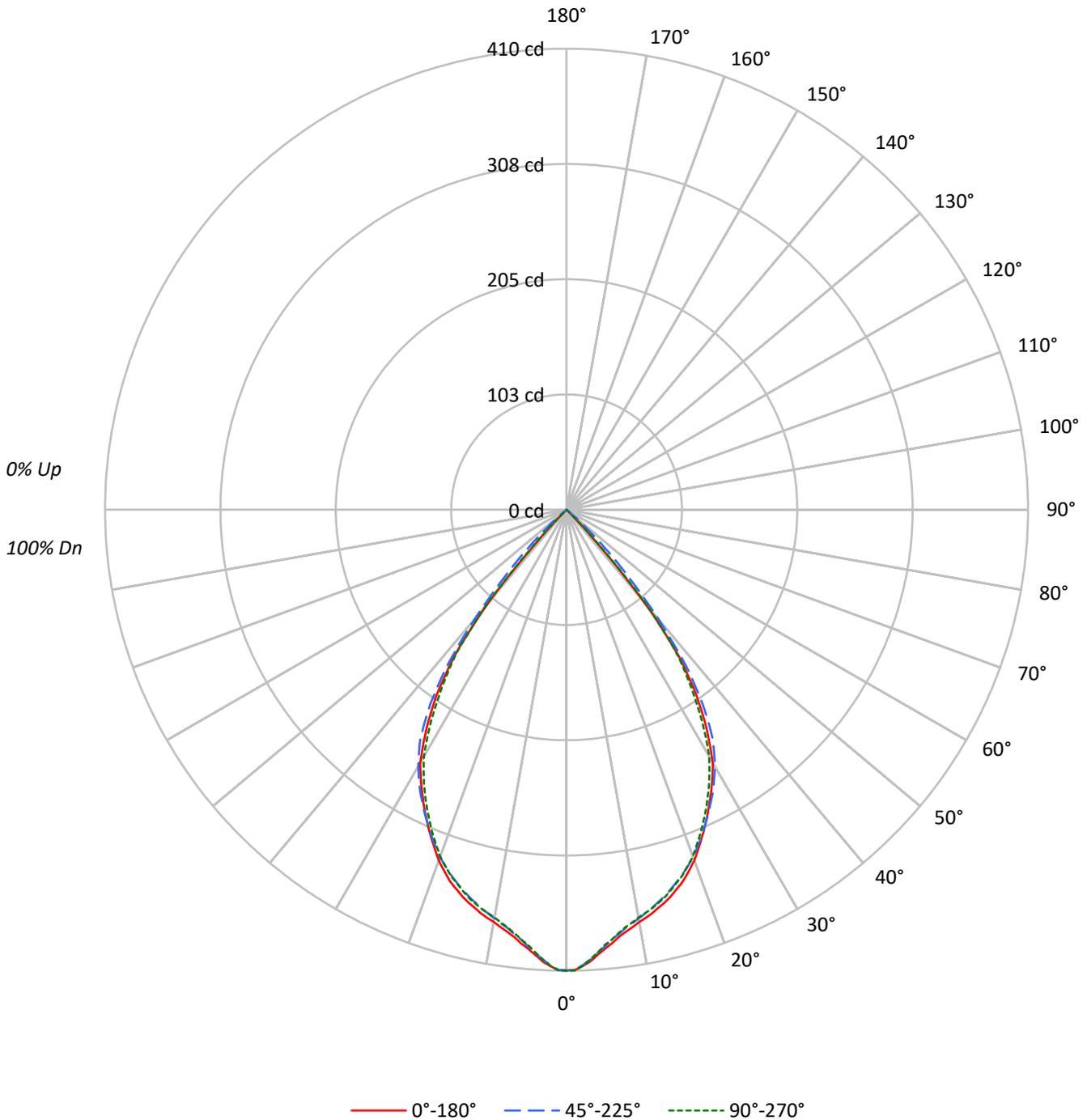
Test Method: LM-79-2019  
Report Number: P1325698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902765DE010 3LSQCDR1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 424.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48

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

	0°	45°	90°
0°	70577	70577	70577
5°	67752	67389	67199
10°	65090	64531	64391
15°	63545	62654	62779
20°	60847	60261	60133
25°	56476	56628	55735
30°	51705	52401	50412
35°	42301	44320	40640
40°	24348	28372	25000
45°	341	11788	1218
50°	0	1259	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: 11788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.6	8.6
10°-20°	99.1	23.4
20°-30°	136.1	32.1
30°-40°	123.4	29.1
40°-50°	28.7	6.8
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°	271.8	64.1
0°-40°	395.2	93.2
0°-60°	424.0	100.0
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	410	410	410	410	410	
5°	392	391	390	389	389	37
15°	356	354	351	351	352	100
25°	297	299	298	295	293	136
35°	201	204	211	202	193	121
45°	1	16	48	21	5	17
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°	409.8	409.8	409.8	409.8	409.8
1°	409.5	408.8	409.1	409.5	409.8
2°	406.2	405.5	405.5	405.9	405.9
3°	402.3	400.9	400.9	400.5	400.5
4°	396.9	395.8	395.1	394.8	394.8
5°	391.9	390.8	389.8	389.0	388.7
6°	387.6	385.8	384.4	384.0	384.4
7°	382.6	381.5	380.1	379.0	379.4
8°	379.0	377.6	375.8	375.1	375.1
9°	375.8	374.3	372.5	371.1	371.8
10°	372.2	370.7	369.0	367.9	368.2
11°	369.7	367.9	365.7	365.0	365.4
12°	366.8	364.7	362.5	362.1	362.9
13°	363.2	361.1	358.9	358.9	359.6
14°	360.0	357.5	355.3	355.3	356.4
15°	356.4	353.9	351.4	351.4	352.1
17.5°	345.7	343.5	341.0	341.0	341.3
20°	332.0	330.9	328.8	327.7	328.1
22.5°	314.8	314.8	313.7	311.9	311.2
25°	297.2	298.7	298.0	295.1	293.3
27.5°	279.0	281.5	281.8	277.5	274.3
30°	260.0	262.1	263.5	258.5	253.5
32.5°	232.0	238.4	242.0	235.2	224.8
35°	201.2	204.0	210.8	201.9	193.3
37.5°	163.5	167.1	172.8	165.7	160.6
40°	108.3	122.6	126.2	122.6	111.2
42.5°	39.1	68.8	82.8	70.3	45.9
45°	1.4	16.1	48.4	20.8	5.0
47.5°	0.0	0.4	21.9	0.7	0.0
50°	0.0	0.0	4.7	0.0	0.0
52.5°	0.0	0.0	0.4	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)