

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: P1325699

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCDR1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

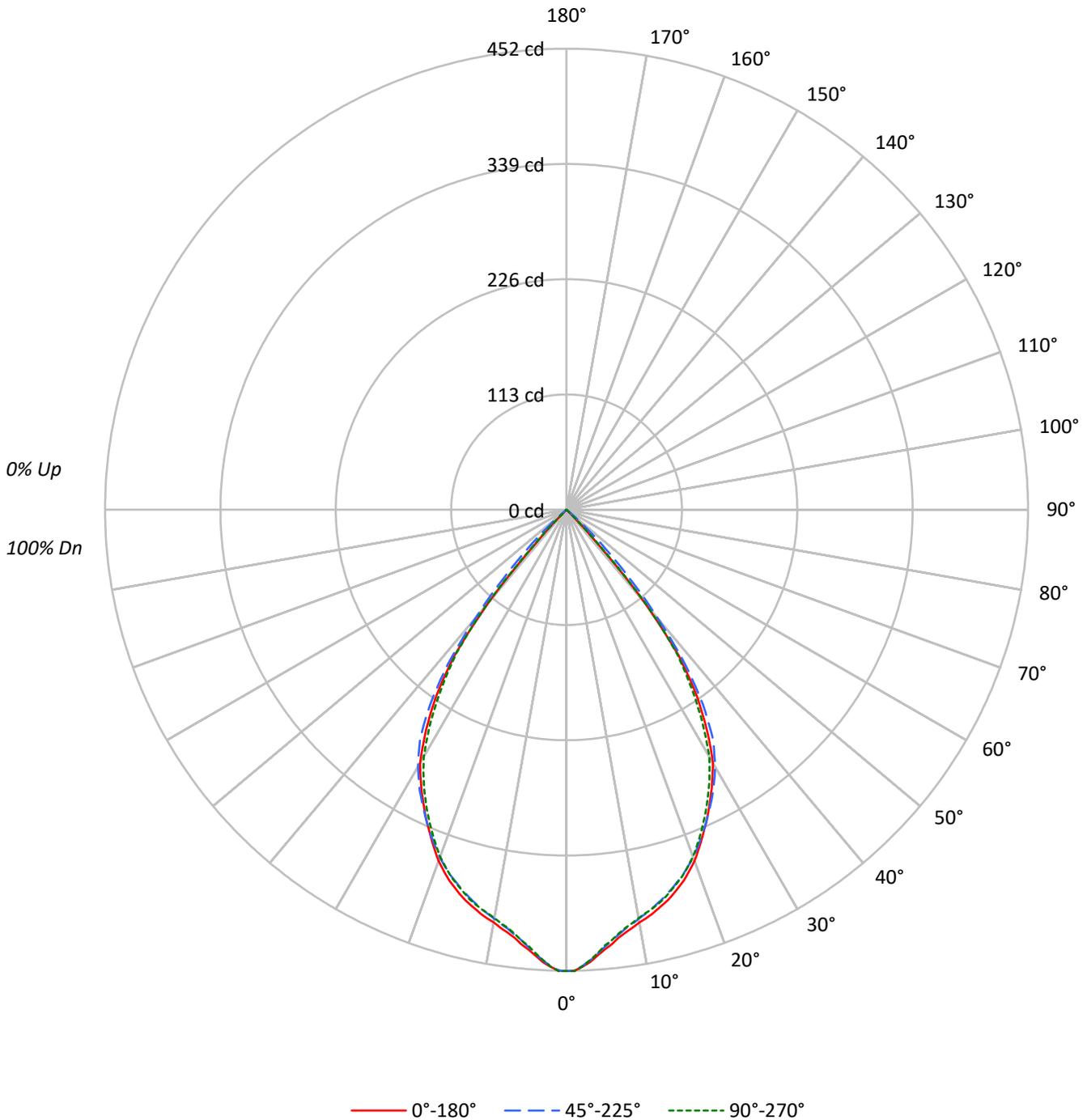
Test Method: LM-79-2019  
Report Number: P1325699  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902765DE010 3LSQCDR1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 468.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 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	50	30	10
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°	77914	77914	77914
5°	74788	74373	74166
10°	71840	71211	71088
15°	70142	69162	69287
20°	67170	66511	66364
25°	62348	62500	61512
30°	57055	57850	55643
35°	46674	48924	44845
40°	26866	31318	27585
45°	390	13006	1340
50°	0	1366	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: 13006 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	8.6
10°-20°	109.4	23.4
20°-30°	150.2	32.1
30°-40°	136.2	29.1
40°-50°	31.7	6.8
50°-60°	0.2	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°	300.0	64.1
0°-40°	436.2	93.2
0°-60°	468.0	100.0
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	452	452	452	452	452	
5°	433	431	430	429	429	41
15°	393	391	388	388	389	110
25°	328	330	329	326	324	151
35°	222	225	233	223	213	133
45°	2	18	53	23	6	19
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°	452.4	452.4	452.4	452.4	452.4
1°	452.0	451.2	451.6	452.0	452.4
2°	448.4	447.6	447.6	448.0	448.0
3°	444.1	442.5	442.5	442.1	442.1
4°	438.1	436.9	436.1	435.7	435.7
5°	432.6	431.4	430.2	429.4	429.0
6°	427.8	425.8	424.3	423.9	424.3
7°	422.3	421.1	419.5	418.3	418.7
8°	418.3	416.7	414.8	414.0	414.0
9°	414.8	413.2	411.2	409.6	410.4
10°	410.8	409.2	407.2	406.1	406.5
11°	408.0	406.1	403.7	402.9	403.3
12°	404.9	402.5	400.1	399.7	400.5
13°	400.9	398.5	396.2	396.2	397.0
14°	397.4	394.6	392.2	392.2	393.4
15°	393.4	390.6	387.9	387.9	388.6
17.5°	381.5	379.1	376.4	376.4	376.8
20°	366.5	365.3	362.9	361.7	362.1
22.5°	347.5	347.5	346.3	344.3	343.5
25°	328.1	329.7	328.9	325.7	323.7
27.5°	307.9	310.7	311.1	306.3	302.8
30°	286.9	289.3	290.9	285.3	279.8
32.5°	256.1	263.2	267.1	259.6	248.1
35°	222.0	225.2	232.7	222.8	213.3
37.5°	180.5	184.4	190.8	182.8	177.3
40°	119.5	135.4	139.3	135.4	122.7
42.5°	43.1	76.0	91.4	77.6	50.7
45°	1.6	17.8	53.4	23.0	5.5
47.5°	0.0	0.4	24.1	0.8	0.0
50°	0.0	0.0	5.1	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)