

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: P1327241

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCLDWWR1MMS\_5000K

Issue Date: 1/29/2026

**Test Information**

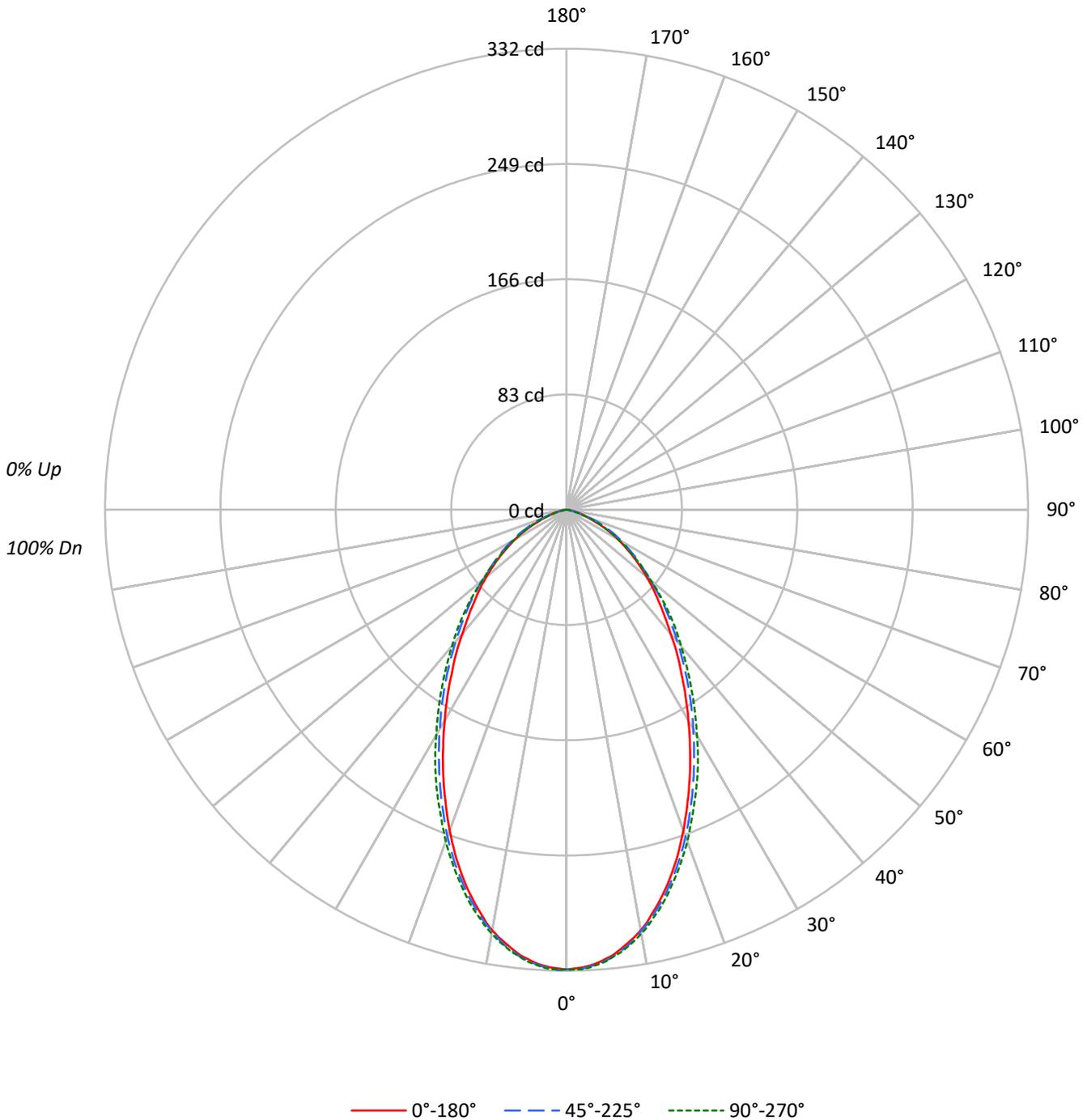
Test Method: LM-79-2019  
Report Number: P1327241  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCLDWR1MMS\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
3LSQCLDWR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 474.0 lumens  
Efficiency: N/A  
Efficacy: 52.7 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	57023	57023	57023
5°	56117	56324	56428
10°	53793	53898	54195
15°	49906	50334	50744
20°	45049	45911	46570
25°	39906	41008	42015
30°	34861	36253	37307
35°	30296	31894	32882
40°	26169	27900	28822
45°	22919	24502	25208
50°	20175	21113	21113
55°	17475	18376	17836
60°	14777	15810	14983
65°	11492	13163	11981
70°	8308	9769	8308
75°	6255	5856	4724
80°	4066	2876	1190
85°	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 25208 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.5	6.4
10°-20°	78.8	16.6
20°-30°	98.9	20.9
30°-40°	94.5	19.9
40°-50°	76.8	16.2
50°-60°	53.8	11.3
60°-70°	30.4	6.4
70°-80°	9.6	2.0
80°-90°	0.8	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°	208.2	43.9
0°-40°	302.7	63.9
0°-60°	433.3	91.4
0°-90°	474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	474.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	331	331	331	331	331	
5°	325	325	326	325	326	30
15°	280	280	282	283	285	78
25°	210	212	216	219	221	96
35°	144	146	152	155	156	90
45°	94	96	101	102	104	73
55°	58	59	61	60	59	52
65°	28	30	32	31	29	28
75°	9	9	9	8	7	10
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	331.1	331.1	331.1	331.1	331.1
1°	330.5	331.1	331.7	330.5	331.1
2°	329.9	330.5	330.5	329.9	331.1
3°	328.7	329.3	329.3	328.7	329.9
4°	327.0	327.6	327.6	327.0	328.2
5°	324.6	325.2	325.8	325.2	326.4
6°	322.3	322.9	323.5	322.9	323.5
7°	318.8	319.9	319.9	319.9	321.1
8°	315.2	316.4	317.0	316.4	317.6
9°	311.7	312.3	312.9	312.9	314.0
10°	307.6	308.2	308.2	308.8	309.9
11°	302.9	302.9	304.0	304.0	305.8
12°	297.0	297.6	298.8	299.3	300.5
13°	291.7	292.3	293.5	294.1	295.8
14°	285.8	287.0	288.2	288.8	290.5
15°	279.9	280.5	282.3	282.9	284.6
17.5°	263.5	264.1	267.0	268.2	269.9
20°	245.8	247.6	250.5	252.3	254.1
22.5°	227.6	229.4	232.9	235.8	237.0
25°	210.0	212.3	215.8	219.4	221.1
27.5°	192.3	194.7	198.8	202.3	204.7
30°	175.3	177.6	182.3	185.3	187.6
32.5°	159.4	161.7	167.0	170.0	171.7
35°	144.1	146.4	151.7	154.7	156.4
37.5°	130.6	132.9	137.6	140.6	141.7
40°	116.4	119.4	124.1	127.0	128.2
42.5°	104.7	107.0	111.7	114.1	115.9
45°	94.1	96.4	100.6	102.3	103.5
47.5°	84.7	85.9	89.4	90.0	91.2
50°	75.3	76.5	78.8	79.4	78.8
52.5°	66.5	67.6	69.4	68.8	68.8
55°	58.2	58.8	61.2	60.0	59.4
57.5°	50.0	51.2	53.5	51.8	51.2
60°	42.9	44.1	45.9	44.7	43.5
62.5°	35.9	36.5	39.4	37.1	35.9
65°	28.2	30.0	32.3	30.6	29.4
67.5°	21.2	24.1	26.5	24.1	22.9
70°	16.5	17.6	19.4	18.2	16.5
72.5°	12.4	12.9	13.5	12.4	11.2
75°	9.4	9.4	8.8	7.6	7.1
77.5°	6.5	6.5	5.3	3.5	3.5
80°	4.1	4.1	2.9	1.2	1.2
82.5°	1.8	1.8	1.2	0.6	0.6
85°	0.6	0.6	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)