

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: P1327307

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327307
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: LDSQA3D09R70W2N902765DE010 3LSQCDR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

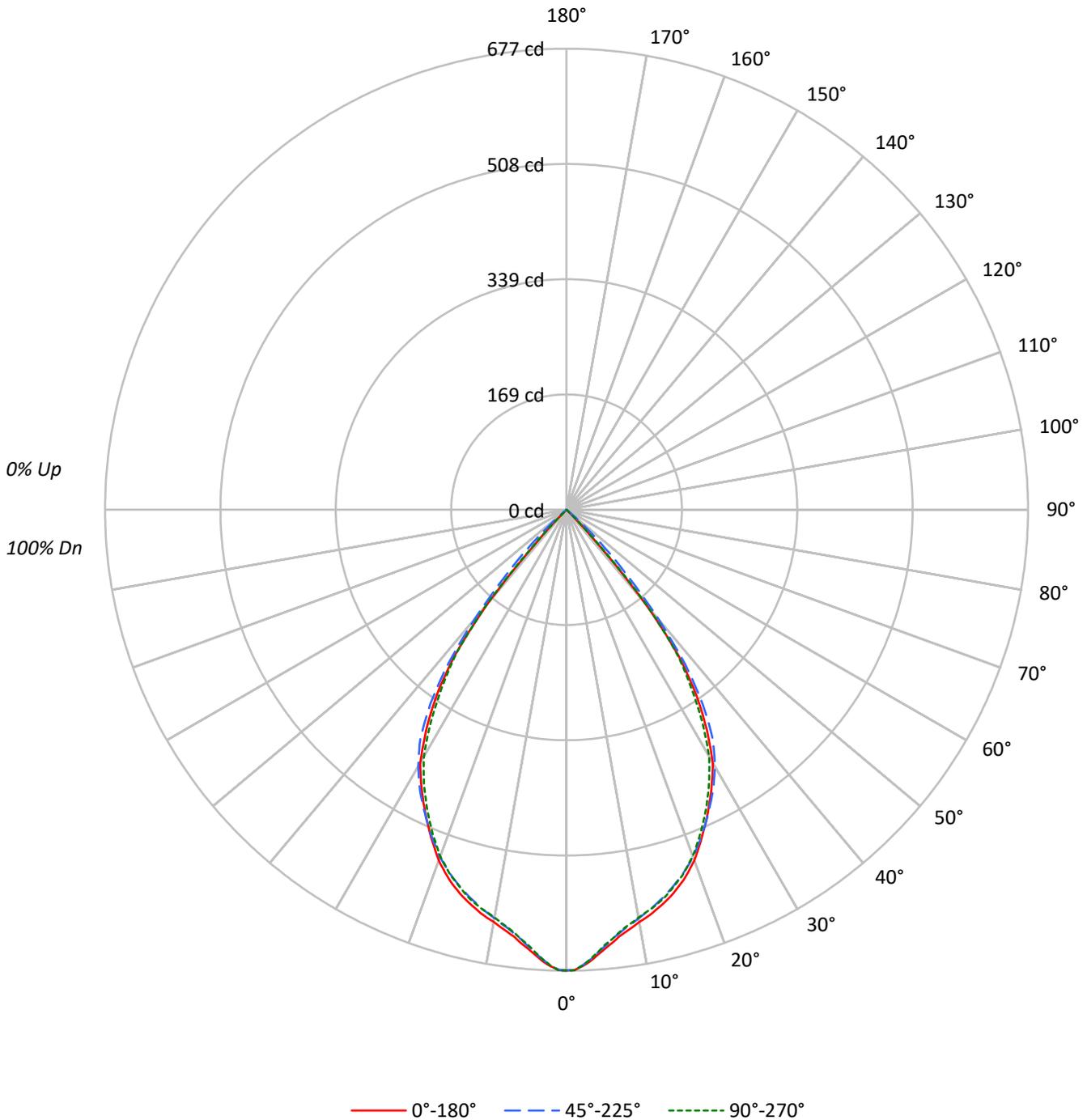
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 77.8 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): 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°	116526	116526	116526
5°	111854	111249	110937
10°	107463	106519	106309
15°	104911	103431	103645
20°	100472	99482	99262
25°	93246	93474	92011
30°	85353	86526	83225
35°	69822	73186	67089
40°	40198	46853	41255
45°	585	19460	2022
50°	0	2063	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: 19460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	8.6
10°-20°	163.6	23.4
20°-30°	224.7	32.1
30°-40°	203.8	29.1
40°-50°	47.4	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°	448.7	64.1
0°-40°	652.4	93.2
0°-60°	700.0	100.0
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	677	677	677	677	677	
5°	647	645	644	642	642	61
15°	588	584	580	580	581	165
25°	491	493	492	487	484	225
35°	332	337	348	333	319	199
45°	2	27	80	34	8	29
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°	676.6	676.6	676.6	676.6	676.6
1°	676.0	674.8	675.4	676.0	676.6
2°	670.7	669.5	669.5	670.1	670.1
3°	664.2	661.8	661.8	661.2	661.2
4°	655.3	653.5	652.3	651.7	651.7
5°	647.0	645.2	643.5	642.3	641.7
6°	639.9	636.9	634.6	634.0	634.6
7°	631.6	629.8	627.5	625.7	626.3
8°	625.7	623.3	620.4	619.2	619.2
9°	620.4	618.0	615.0	612.7	613.9
10°	614.5	612.1	609.1	607.4	607.9
11°	610.3	607.4	603.8	602.6	603.2
12°	605.6	602.0	598.5	597.9	599.1
13°	599.7	596.1	592.6	592.6	593.7
14°	594.3	590.2	586.6	586.6	588.4
15°	588.4	584.3	580.1	580.1	581.3
17.5°	570.6	567.1	563.0	563.0	563.5
20°	548.2	546.4	542.8	541.1	541.6
22.5°	519.7	519.7	518.0	515.0	513.8
25°	490.7	493.1	491.9	487.2	484.2
27.5°	460.5	464.7	465.3	458.2	452.8
30°	429.2	432.7	435.1	426.8	418.5
32.5°	383.0	393.7	399.6	388.3	371.2
35°	332.1	336.8	348.1	333.3	319.1
37.5°	269.9	275.9	285.3	273.5	265.2
40°	178.8	202.5	208.4	202.5	183.5
42.5°	64.5	113.7	136.7	116.0	75.8
45°	2.4	26.6	79.9	34.3	8.3
47.5°	0.0	0.6	36.1	1.2	0.0
50°	0.0	0.0	7.7	0.0	0.0
52.5°	0.0	0.0	0.6	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)