

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: P1327222

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCDR1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327222
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: LDSQA3D09R70W2N902750DE010 3LSQCDR1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

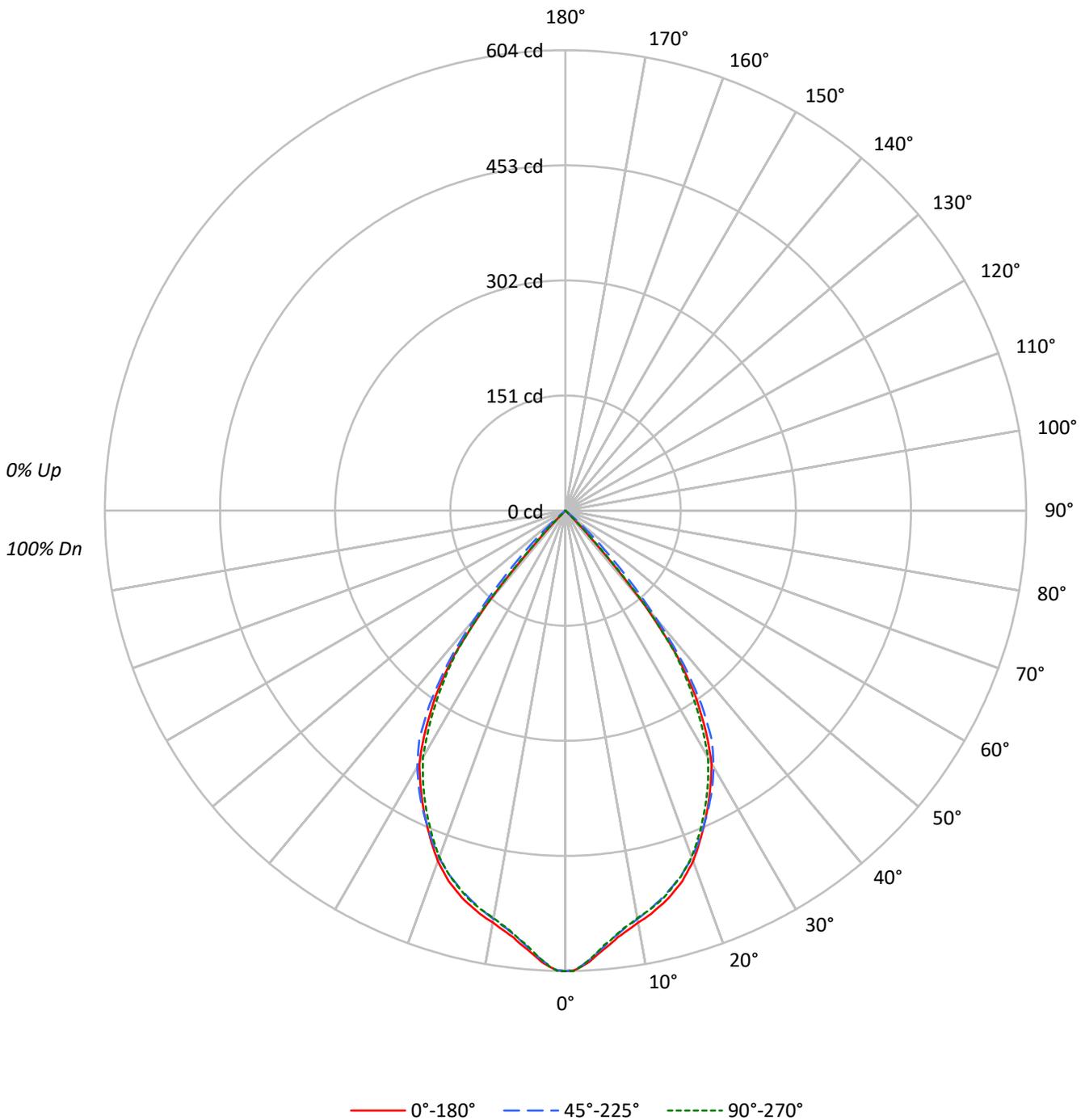
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 625.0 lumens
Efficiency: N/A
Efficacy: 69.4 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°	104040	104040	104040
5°	99873	99320	99043
10°	95939	95117	94925
15°	93678	92358	92537
20°	89695	88834	88632
25°	83270	83460	82149
30°	76205	77259	74316
35°	62338	65344	59899
40°	35881	41817	36826
45°	511	17390	1802
50°	0	1849	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: 17390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	8.6
10°-20°	146.0	23.4
20°-30°	200.6	32.1
30°-40°	181.9	29.1
40°-50°	42.3	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°	400.6	64.1
0°-40°	582.5	93.2
0°-60°	625.0	100.0
0°-90°	625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	604	604	604	604	604	
5°	578	576	574	574	573	54
15°	525	522	518	518	519	147
25°	438	440	439	435	432	201
35°	296	301	311	298	285	178
45°	2	24	71	31	7	25
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°	604.1	604.1	604.1	604.1	604.1
1°	603.6	602.5	603.1	603.6	604.1
2°	598.8	597.8	597.8	598.3	598.3
3°	593.0	590.9	590.9	590.4	590.4
4°	585.1	583.5	582.4	581.9	581.9
5°	577.7	576.1	574.5	573.5	572.9
6°	571.3	568.7	566.6	566.1	566.6
7°	563.9	562.4	560.2	558.7	559.2
8°	558.7	556.5	553.9	552.8	552.8
9°	553.9	551.8	549.1	547.0	548.1
10°	548.6	546.5	543.9	542.3	542.8
11°	544.9	542.3	539.1	538.0	538.6
12°	540.7	537.5	534.3	533.8	534.9
13°	535.4	532.2	529.1	529.1	530.1
14°	530.7	527.0	523.8	523.8	525.4
15°	525.4	521.7	518.0	518.0	519.0
17.5°	509.5	506.3	502.6	502.6	503.2
20°	489.4	487.8	484.7	483.1	483.6
22.5°	464.1	464.1	462.5	459.8	458.8
25°	438.2	440.3	439.2	435.0	432.3
27.5°	411.2	414.9	415.4	409.1	404.3
30°	383.2	386.4	388.5	381.1	373.7
32.5°	342.0	351.5	356.8	346.7	331.4
35°	296.5	300.7	310.8	297.6	284.9
37.5°	241.0	246.3	254.8	244.2	236.8
40°	159.6	180.8	186.0	180.8	163.8
42.5°	57.6	101.5	122.1	103.6	67.7
45°	2.1	23.8	71.4	30.7	7.4
47.5°	0.0	0.5	32.2	1.1	0.0
50°	0.0	0.0	6.9	0.0	0.0
52.5°	0.0	0.0	0.5	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)