

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: P1327231

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

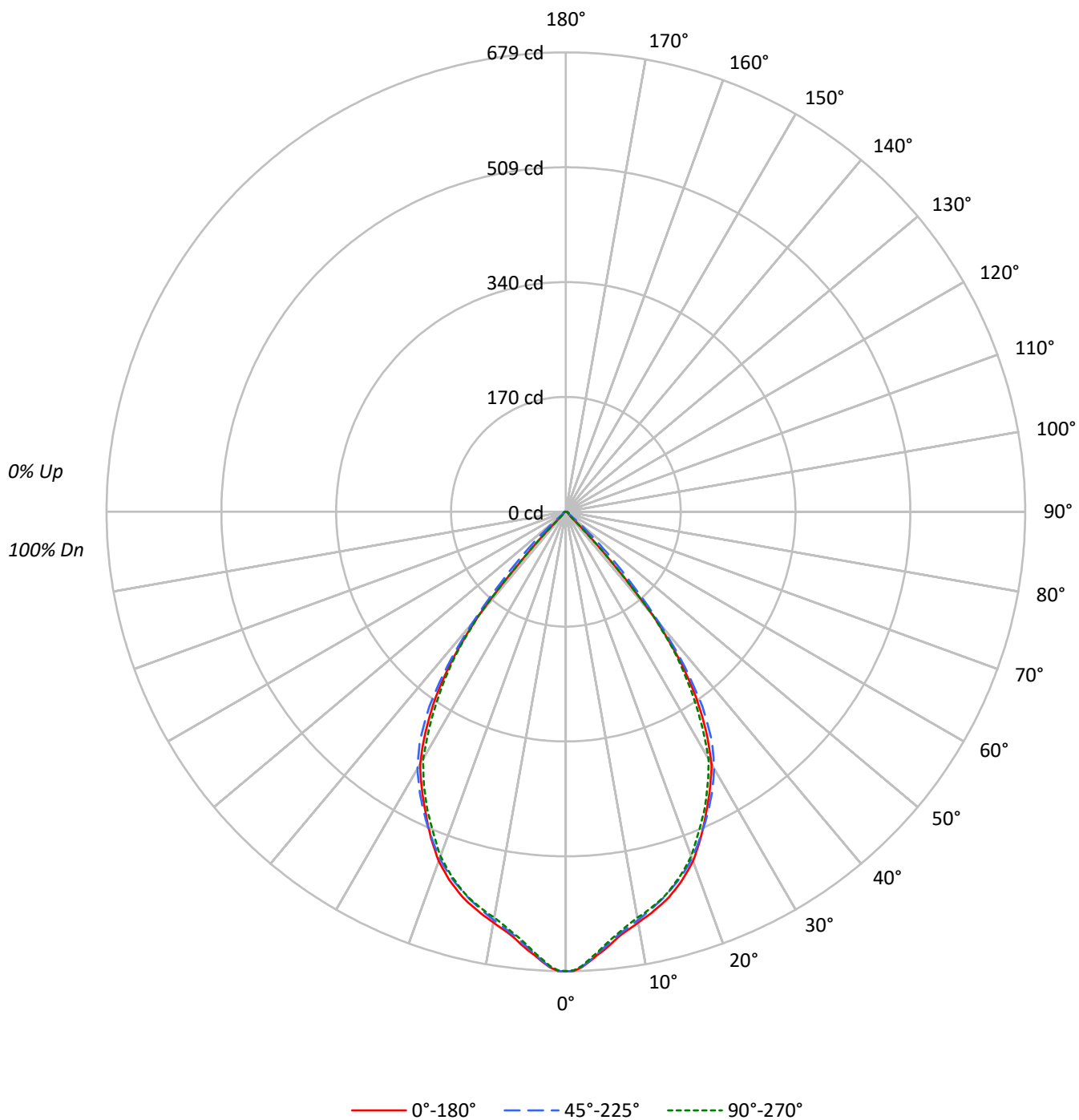
Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	86
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86	83	80	79
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81	77	74	73
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76	72	69	67
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	116939	116939	116939
5°	112407	111785	111387
10°	107831	107219	106502
15°	105124	103966	103859
20°	100728	99958	99317
25°	93246	93930	92125
30°	85651	87183	83901
35°	70642	73985	67909
40°	44987	48426	44987
45°	3142	20922	3434
50°	1420	4260	1420
55°	1591	1591	1591
60°	1619	1619	1619
65°	1426	1671	1426
70°	1460	1762	1460
75°	1597	1597	1597
80°	1785	1785	1785
85°	1186	2371	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 20922 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	8.4
10°-20°	164.0	22.7
20°-30°	225.5	31.1
30°-40°	206.5	28.5
40°-50°	54.8	7.6
50°-60°	4.9	0.7
60°-70°	4.0	0.5
70°-80°	2.7	0.4
80°-90°	1.0	0.1
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°	450.1	62.2
0°-40°	656.7	90.7
0°-60°	716.4	98.9
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	650	647	647	646	644	61
15°	590	584	583	583	582	165
25°	491	492	494	488	485	226
35°	336	341	352	336	323	204
45°	13	44	86	45	14	39
55°	5	5	5	5	5	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	679.0	679.0	679.0	679.0	679.0
1°	679.0	677.8	679.0	679.0	677.8
2°	673.7	672.5	673.1	672.5	671.9
3°	666.1	664.3	664.9	663.7	662.5
4°	657.2	655.5	655.5	654.9	653.7
5°	650.2	647.2	646.6	645.5	644.3
6°	641.9	639.0	638.4	636.6	635.5
7°	633.7	631.3	630.8	628.4	628.4
8°	627.2	624.3	624.3	621.3	621.3
9°	621.9	618.4	618.4	616.1	614.9
10°	616.6	613.1	613.1	610.2	609.0
11°	611.3	608.4	607.2	605.5	604.9
12°	606.6	602.5	601.3	600.8	599.6
13°	600.8	596.6	595.5	594.9	594.3
14°	595.5	590.2	589.6	588.4	589.0
15°	589.6	584.3	583.1	583.1	582.5
17.5°	571.3	567.8	566.0	564.9	563.7
20°	549.6	546.6	545.4	543.1	541.9
22.5°	521.3	520.7	520.1	517.2	512.5
25°	490.7	492.5	494.3	488.4	484.8
27.5°	461.3	466.0	467.8	461.9	454.2
30°	430.7	434.8	438.4	430.1	421.9
32.5°	386.6	396.6	401.9	392.5	373.6
35°	336.0	341.3	351.9	336.0	323.0
37.5°	277.1	280.1	288.3	277.7	268.9
40°	200.1	208.9	215.4	208.9	200.1
42.5°	90.0	125.9	142.4	133.0	94.1
45°	12.9	44.1	85.9	44.7	14.1
47.5°	5.3	7.1	44.7	6.5	5.3
50°	5.3	5.3	15.9	5.3	5.3
52.5°	5.3	5.3	5.9	5.3	5.3
55°	5.3	5.3	5.3	5.3	5.3
57.5°	4.7	4.7	5.3	4.7	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.1	4.7	4.7	4.7	4.1
65°	3.5	4.1	4.1	4.1	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	2.9	3.5	3.5	3.5	2.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.4	2.4	2.4	2.4	2.4
77.5°	1.8	2.4	2.4	2.4	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	1.2	1.2	1.2	0.6
87.5°	0.6	0.6	0.6	0.6	0.6



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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)