

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: P1327313

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327313
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: LDSQA3D09R70W2N902765DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

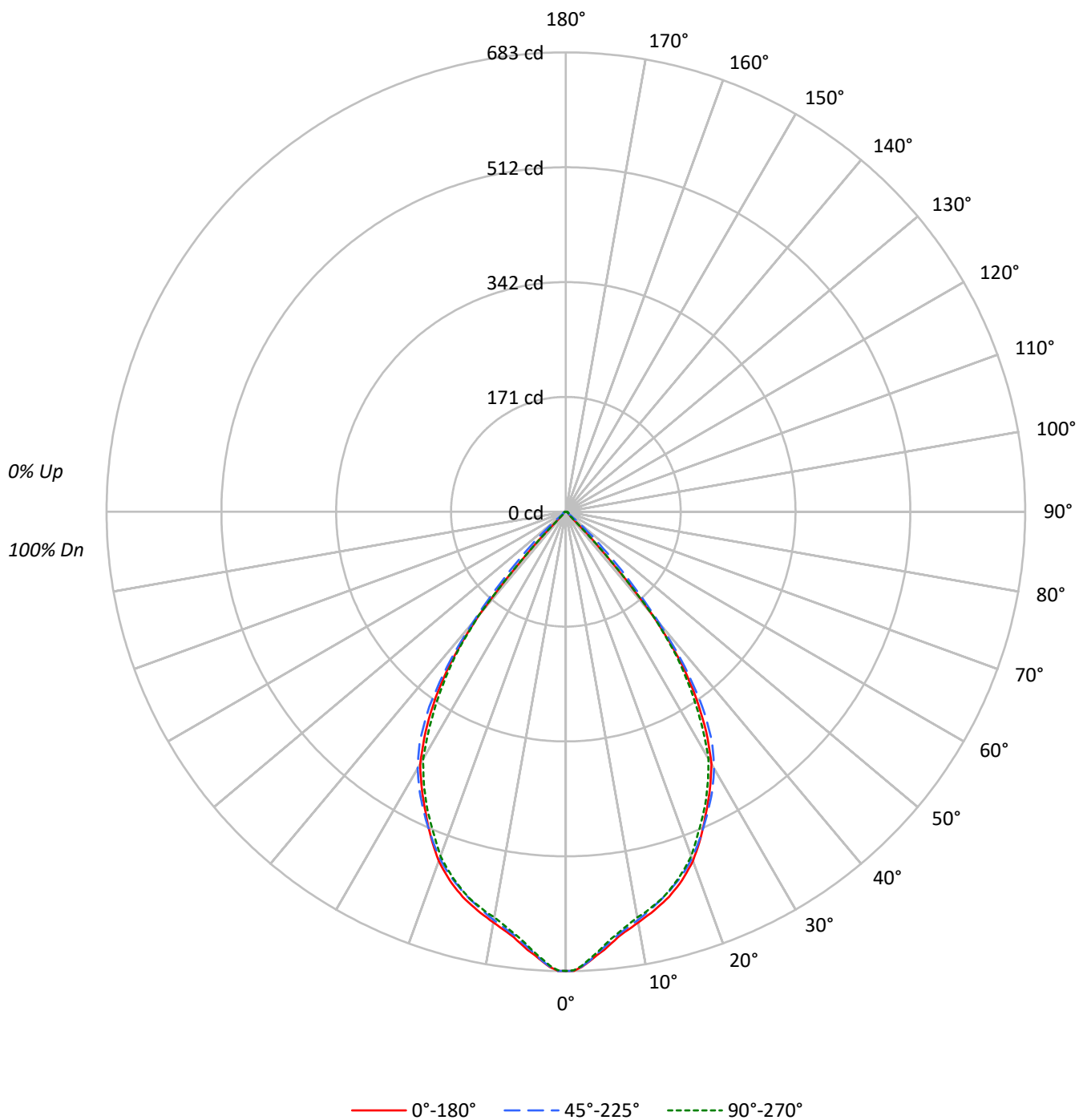
Lumens per Lamp: N/A
Luminaire Lumens: 728.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	76	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°	117594	117594	117594
5°	113029	112407	112009
10°	108425	107813	107096
15°	105695	104536	104429
20°	101278	100527	99867
25°	93759	94443	92638
30°	86129	87660	84359
35°	71021	74385	68288
40°	45234	48674	45234
45°	3166	21044	3459
50°	1420	4287	1420
55°	1591	1591	1591
60°	1619	1619	1619
65°	1426	1671	1426
70°	1511	1762	1511
75°	1597	1597	1597
80°	1785	1785	1785
85°	1186	2371	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 21044 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	8.4
10°-20°	164.9	22.7
20°-30°	226.7	31.1
30°-40°	207.7	28.5
40°-50°	55.1	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°	452.6	62.2
0°-40°	660.3	90.7
0°-60°	720.3	98.9
0°-90°	728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	683	683	683	683	683	
5°	654	651	650	649	648	61
15°	593	588	586	586	586	166
25°	493	495	497	491	488	227
35°	338	343	354	338	325	205
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	3
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°	682.8	682.8	682.8	682.8	682.8
1°	682.8	681.6	682.8	682.8	681.6
2°	677.4	676.3	676.8	676.3	675.7
3°	669.7	668.0	668.6	667.4	666.2
4°	660.9	659.1	659.1	658.5	657.3
5°	653.8	650.8	650.2	649.0	647.9
6°	645.5	642.5	641.9	640.2	639.0
7°	637.2	634.8	634.2	631.9	631.9
8°	630.7	627.7	627.7	624.8	624.8
9°	625.4	621.8	621.8	619.5	618.3
10°	620.0	616.5	616.5	613.5	612.4
11°	614.7	611.8	610.6	608.8	608.2
12°	610.0	605.8	604.7	604.1	602.9
13°	604.1	599.9	598.7	598.2	597.6
14°	598.7	593.4	592.8	591.6	592.2
15°	592.8	587.5	586.3	586.3	585.7
17.5°	574.5	570.9	569.2	568.0	566.8
20°	552.6	549.6	548.5	546.1	544.9
22.5°	524.2	523.6	523.0	520.1	515.3
25°	493.4	495.2	497.0	491.1	487.5
27.5°	463.9	468.6	470.4	464.4	456.8
30°	433.1	437.2	440.8	432.5	424.2
32.5°	388.7	398.8	404.1	394.6	375.7
35°	337.8	343.2	353.8	337.8	324.8
37.5°	278.7	281.6	289.9	279.3	270.4
40°	201.2	210.0	216.5	210.0	201.2
42.5°	90.5	126.6	143.2	133.7	94.7
45°	13.0	44.4	86.4	45.0	14.2
47.5°	5.3	7.1	45.0	6.5	5.3
50°	5.3	5.3	16.0	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°	3.0	3.5	3.5	3.5	3.0
72.5°	3.0	3.0	3.0	3.0	3.0
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)