

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: P1327311

Luminaire Tested: LDSQA3D09R70W2N902765DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327311
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

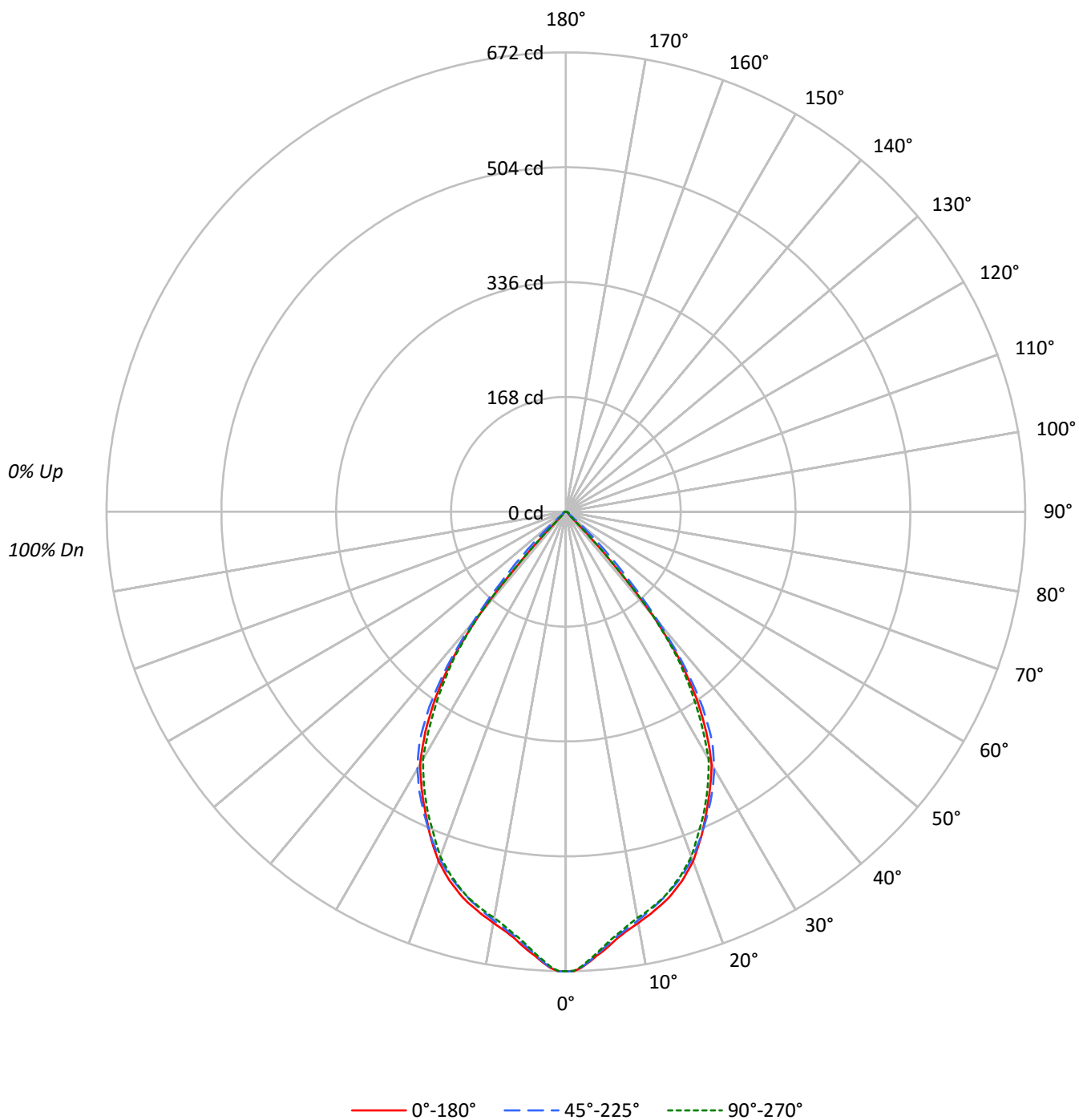
Lumens per Lamp: N/A
Luminaire Lumens: 717.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	115803	115803	115803
5°	111318	110713	110315
10°	106799	106187	105470
15°	104108	102967	102860
20°	99739	99005	98364
25°	92353	93018	91251
30°	84816	86328	83086
35°	69949	73270	67257
40°	44537	47954	44537
45°	3118	20727	3410
50°	1393	4207	1393
55°	1561	1561	1561
60°	1619	1619	1619
65°	1426	1671	1426
70°	1460	1762	1460
75°	1530	1530	1530
80°	1686	1686	1686
85°	1186	2371	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 20727 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	8.4
10°-20°	162.5	22.7
20°-30°	223.3	31.1
30°-40°	204.5	28.5
40°-50°	54.3	7.6
50°-60°	4.8	0.7
60°-70°	4.0	0.6
70°-80°	2.6	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°	445.8	62.2
0°-40°	650.3	90.7
0°-60°	709.4	98.9
0°-90°	717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	672	672	672	672	672	
5°	644	641	640	639	638	60
15°	584	579	578	578	577	164
25°	486	488	490	484	480	223
35°	333	338	348	333	320	202
45°	13	44	85	44	14	38
55°	5	5	5	5	5	4
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°	672.4	672.4	672.4	672.4	672.4
1°	672.4	671.3	672.4	672.4	671.3
2°	667.2	666.0	666.6	666.0	665.5
3°	659.6	657.9	658.5	657.3	656.1
4°	650.9	649.1	649.1	648.6	647.4
5°	643.9	641.0	640.4	639.2	638.1
6°	635.7	632.8	632.2	630.5	629.3
7°	627.6	625.2	624.7	622.3	622.3
8°	621.2	618.3	618.3	615.3	615.3
9°	615.9	612.4	612.4	610.1	608.9
10°	610.7	607.2	607.2	604.3	603.1
11°	605.4	602.5	601.4	599.6	599.0
12°	600.8	596.7	595.5	594.9	593.8
13°	594.9	590.9	589.7	589.1	588.5
14°	589.7	584.5	583.9	582.7	583.3
15°	583.9	578.6	577.5	577.5	576.9
17.5°	565.8	562.3	560.6	559.4	558.2
20°	544.2	541.3	540.2	537.8	536.7
22.5°	516.3	515.7	515.1	512.2	507.5
25°	486.0	487.7	489.5	483.6	480.2
27.5°	456.8	461.5	463.3	457.4	449.9
30°	426.5	430.6	434.1	426.0	417.8
32.5°	382.8	392.7	398.0	388.7	370.0
35°	332.7	338.0	348.5	332.7	319.9
37.5°	274.5	277.4	285.5	275.0	266.3
40°	198.1	206.9	213.3	206.9	198.1
42.5°	89.2	124.7	141.0	131.7	93.2
45°	12.8	43.7	85.1	44.3	14.0
47.5°	5.2	7.0	44.3	6.4	5.2
50°	5.2	5.2	15.7	5.2	5.2
52.5°	5.2	5.2	5.8	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.7	4.7	5.2	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°	2.3	2.3	2.3	2.3	2.3
77.5°	1.7	2.3	2.3	2.3	1.7
80°	1.7	1.7	1.7	1.7	1.7
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)