

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: P1310196

Luminaire Tested: LDSQA3D09R309035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

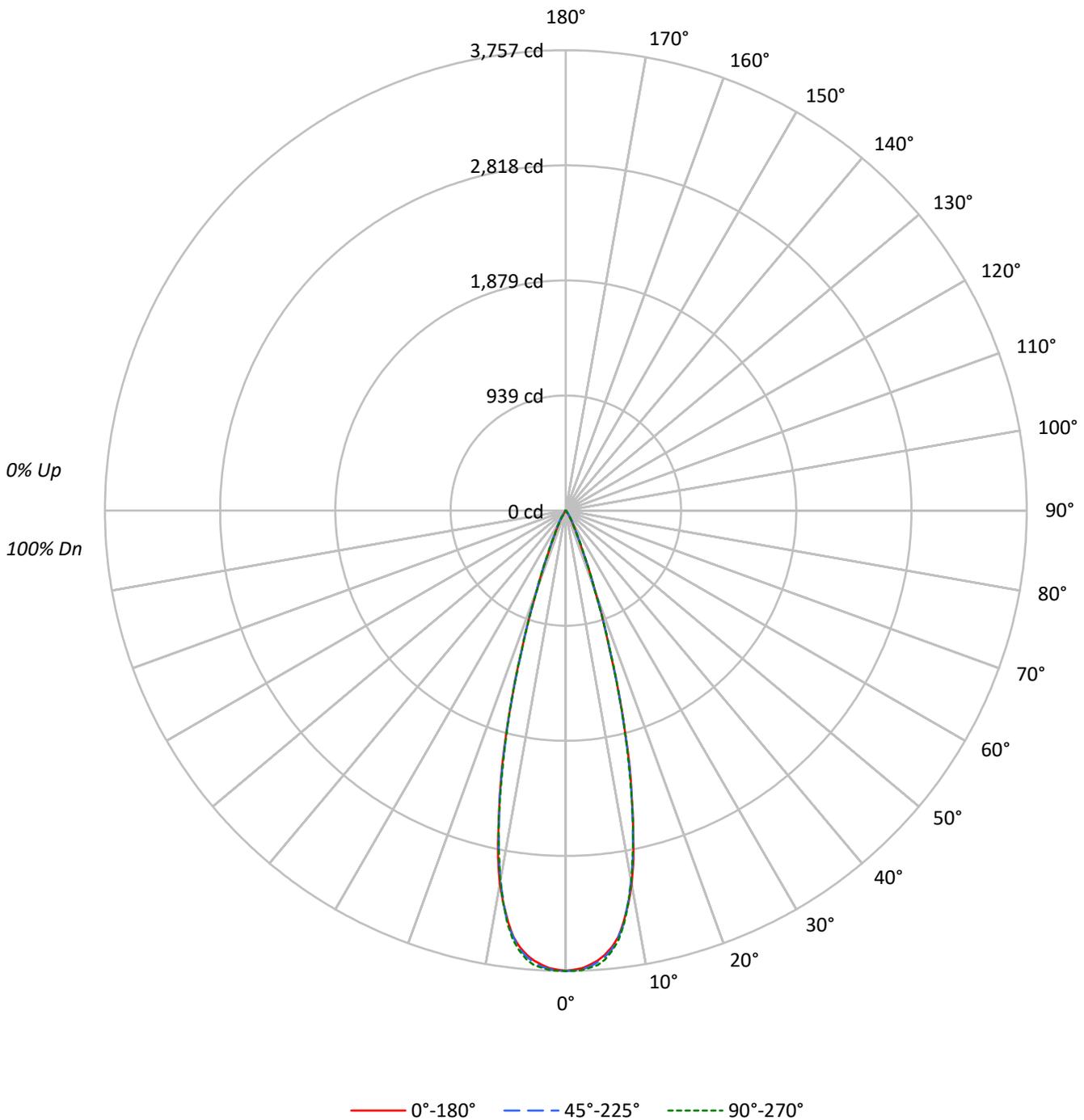
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 977.1 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1310196  
CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1310196

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCDR1MW

**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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	646972	646972	646972
5°	629233	631982	635889
10°	541077	536460	537002
15°	332472	329780	330047
20°	126533	126808	124462
25°	40248	42395	40381
30°	16188	20085	16645
35°	5235	8872	5235
40°	2383	3889	2383
45°	926	1656	926
50°	402	804	402
55°	450	450	450
60°	517	517	517
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1656 cd/sqm



TEST NUMBER: P1310196

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.4	33.9
10°-20°	491.6	50.3
20°-30°	122.1	12.5
30°-40°	24.4	2.5
40°-50°	4.4	0.5
50°-60°	1.4	0.1
60°-70°	1.0	0.1
70°-80°	0.7	0.1
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°	945.1	96.7
0°-40°	969.4	99.2
0°-60°	975.3	99.8
0°-90°	977.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3757	3757	3757	3757	3757	
5°	3640	3652	3656	3661	3678	331
15°	1865	1868	1850	1856	1851	493
25°	212	216	223	220	212	119
35°	25	32	42	32	25	20
45°	4	4	7	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1310196  
 CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3756.6	3756.6	3756.6	3756.6	3756.6
1°	3748.3	3752.8	3755.8	3755.8	3755.8
2°	3737.7	3740.7	3745.2	3746.0	3752.0
3°	3712.8	3719.6	3727.2	3731.7	3734.7
4°	3682.7	3691.7	3696.3	3707.6	3717.4
5°	3639.7	3651.8	3655.6	3660.8	3678.2
6°	3581.7	3590.7	3598.3	3600.5	3611.1
7°	3504.8	3509.3	3507.8	3511.6	3530.4
8°	3388.0	3389.5	3402.3	3394.0	3406.8
9°	3249.3	3243.3	3240.3	3246.3	3247.0
10°	3094.0	3073.7	3067.6	3062.4	3070.7
11°	2892.8	2866.4	2868.7	2867.2	2855.1
12°	2642.6	2639.5	2619.9	2623.7	2641.8
13°	2387.0	2392.3	2388.5	2393.1	2372.7
14°	2147.4	2121.7	2128.5	2102.9	2112.7
15°	1864.7	1868.5	1849.6	1855.7	1851.1
17.5°	1193.9	1202.2	1196.2	1190.9	1199.2
20°	690.4	689.7	691.9	685.1	679.1
22.5°	363.3	368.6	375.4	376.1	380.6
25°	211.8	216.3	223.1	220.1	212.5
27.5°	129.6	137.9	148.5	140.9	131.9
30°	81.4	88.2	101.0	88.9	83.7
32.5°	46.0	55.8	66.3	55.8	46.0
35°	24.9	32.4	42.2	31.7	24.9
37.5°	16.6	18.8	27.9	18.8	16.6
40°	10.6	12.8	17.3	12.8	10.6
42.5°	6.0	8.3	9.8	8.3	6.0
45°	3.8	4.5	6.8	5.3	3.8
47.5°	1.5	2.3	4.5	2.3	2.3
50°	1.5	1.5	3.0	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
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



TEST NUMBER: P1310196

CATALOG NUMBER: LDSQA3D09R309035DE010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)