

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: P1313512

Luminaire Tested: LDSQA3D09R309727DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309727DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

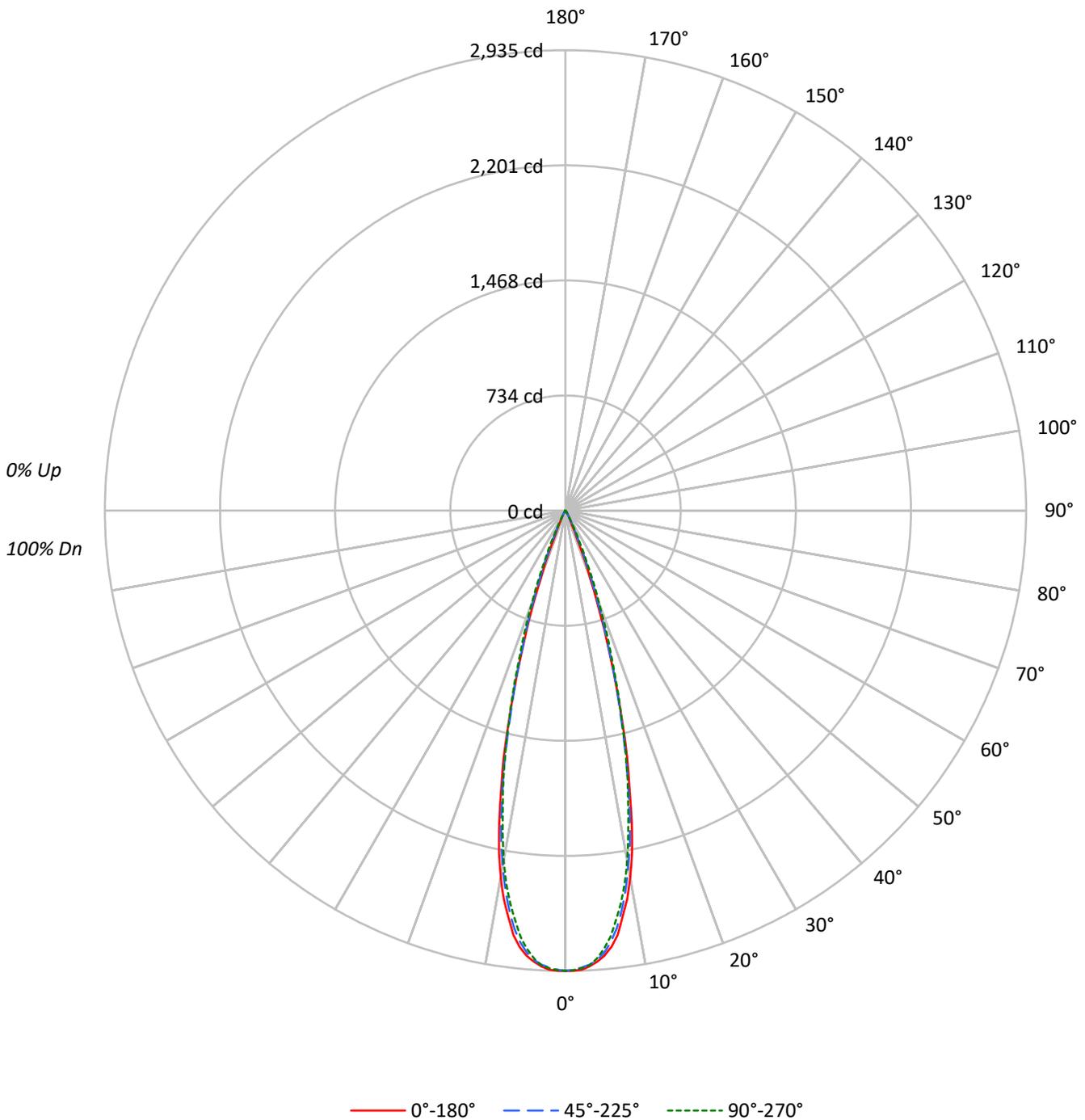
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 711.0 lumens  
Efficiency: N/A  
Efficacy: 64.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 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: P1313512  
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1313512

CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MW

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	76

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

	0°	45°	90°
0°	505353	505353	505353
5°	492346	488958	484930
10°	415496	402747	396207
15°	250384	243395	247870
20°	84930	98071	113136
25°	15601	24456	28884
30°	5369	5966	6702
35°	1556	1934	2060
40°	405	697	562
45°	146	146	146
50°	161	0	161
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: 0°

Vertical Angle: 52.5°

Luminance: 170 cd/sqm



TEST NUMBER: P1313512

CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.7	35.7
10°-20°	370.8	52.2
20°-30°	78.5	11.0
30°-40°	7.2	1.0
40°-50°	0.7	0.1
50°-60°	0.0	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°	703.0	98.9
0°-40°	710.3	99.9
0°-60°	711.0	100.0
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2934	2934	2934	2934	2934	
5°	2848	2842	2828	2820	2805	257
15°	1404	1399	1365	1397	1390	370
25°	82	92	129	151	152	60
35°	7	9	9	11	10	6
45°	1	1	1	1	1	1
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



TEST NUMBER: P1313512

CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2934.3	2934.3	2934.3	2934.3	2934.3
1°	2934.9	2931.9	2927.6	2933.7	2929.4
2°	2928.8	2921.5	2915.3	2921.5	2919.6
3°	2910.4	2904.3	2900.0	2903.1	2903.1
4°	2882.8	2876.1	2872.4	2873.0	2863.8
5°	2847.9	2842.4	2828.3	2819.7	2805.0
6°	2796.4	2782.9	2765.8	2751.7	2732.7
7°	2726.5	2705.7	2681.2	2656.6	2632.7
8°	2614.4	2604.5	2571.4	2554.9	2531.0
9°	2508.9	2485.0	2449.5	2422.5	2409.6
10°	2375.9	2340.3	2303.0	2281.5	2265.6
11°	2218.4	2182.2	2152.2	2120.9	2096.4
12°	2033.2	2002.6	1968.3	1947.4	1918.6
13°	1813.8	1809.5	1770.9	1764.2	1760.5
14°	1625.6	1608.5	1570.4	1580.9	1583.3
15°	1404.3	1399.4	1365.1	1397.0	1390.2
17.5°	879.6	881.5	902.9	953.2	969.1
20°	463.4	477.5	535.1	595.8	617.3
22.5°	187.6	218.8	277.7	318.7	346.3
25°	82.1	91.9	128.7	151.4	152.0
27.5°	46.6	47.2	61.9	64.4	65.6
30°	27.0	27.6	30.0	31.9	33.7
32.5°	14.7	15.9	16.6	19.0	19.0
35°	7.4	9.2	9.2	11.0	9.8
37.5°	4.3	4.9	5.5	5.5	4.9
40°	1.8	2.5	3.1	3.1	2.5
42.5°	0.6	1.2	1.2	1.2	1.8
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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



TEST NUMBER: P1313512  
CATALOG NUMBER: LDSQA3D09R309727DE010 3LSQPHR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)