

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: P1316414

Luminaire Tested: LDSQA3D09R259740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259740DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

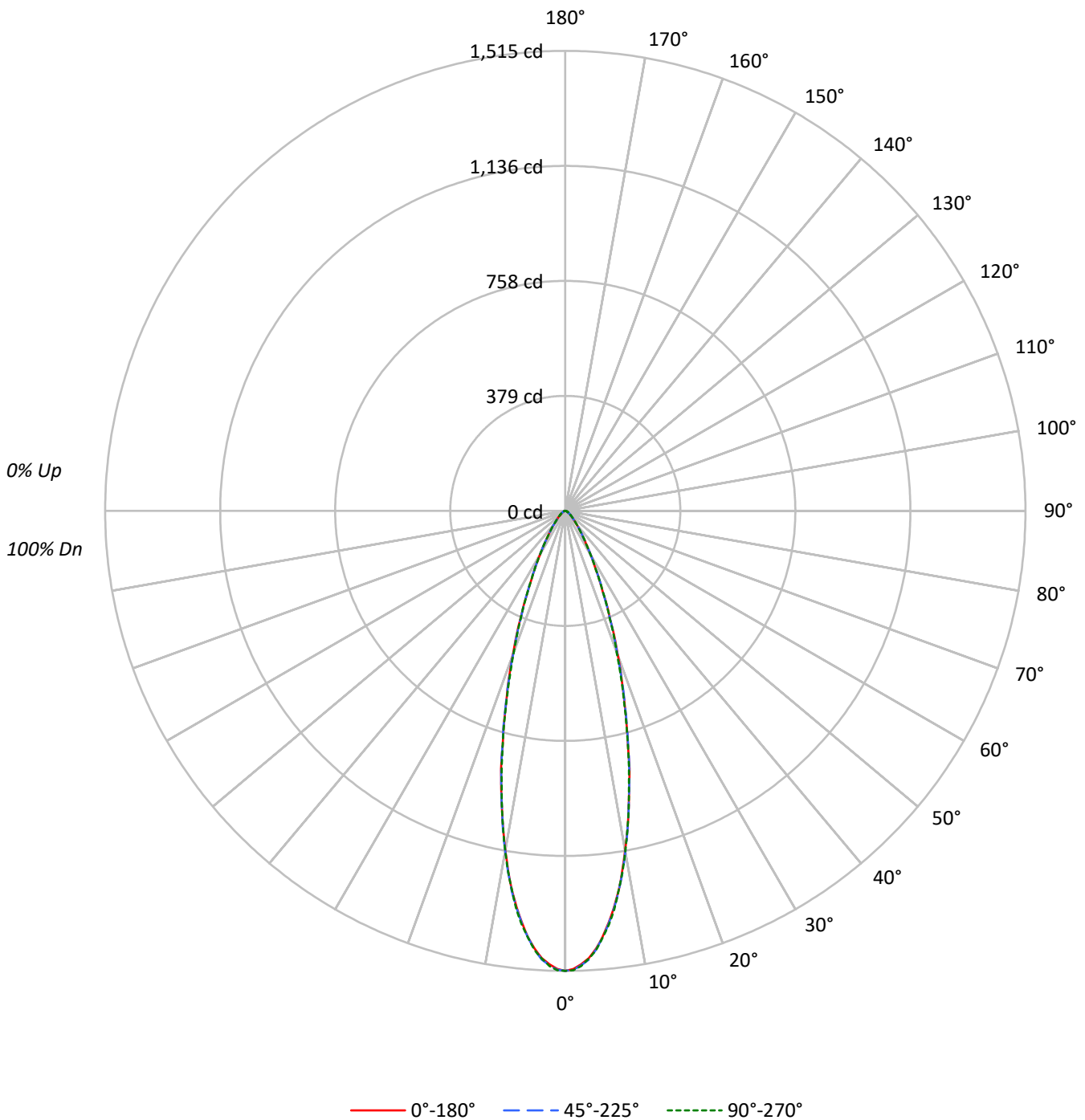
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 607.0 lumens  
Efficiency: N/A  
Efficacy: 54.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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 (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	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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

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

	0°	45°	90°
0°	260900	260900	260900
5°	243519	243762	243883
10°	198628	199258	199258
15°	141872	142638	141872
20°	92847	91949	90648
25°	55203	55469	55203
30°	33250	33250	33111
35°	20268	20415	20268
40°	12905	13062	13062
45°	8963	8963	8963
50°	6457	6645	6645
55°	5104	5104	5315
60°	4133	4409	4409
65°	3749	3749	3749
70°	3223	3223	3575
75°	2861	2861	3327
80°	2777	2777	2777
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8963 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.9	20.7
10°-20°	219.4	36.2
20°-30°	137.9	22.7
30°-40°	63.1	10.4
40°-50°	29.5	4.9
50°-60°	15.8	2.6
60°-70°	9.3	1.5
70°-80°	4.9	0.8
80°-90°	1.1	0.2
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°	483.3	79.6
0°-40°	546.4	90.0
0°-60°	591.7	97.5
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1409	1412	1410	1412	1411	126
15°	796	801	800	801	796	219
25°	290	294	292	292	290	138
35°	96	96	97	97	96	63
45°	37	37	37	37	37	29
55°	17	17	17	18	18	16
65°	9	9	9	9	9	9
75°	4	4	4	5	5	5
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°	1514.9	1514.9	1514.9	1514.9	1514.9
1°	1508.5	1509.9	1511.4	1513.5	1512.8
2°	1494.4	1497.2	1497.9	1500.7	1500.0
3°	1475.2	1474.5	1480.2	1480.2	1476.6
4°	1445.5	1446.9	1448.3	1449.7	1450.4
5°	1408.6	1411.5	1410.0	1411.5	1410.7
6°	1363.3	1367.5	1366.8	1368.2	1370.4
7°	1315.1	1317.9	1317.9	1316.5	1322.2
8°	1262.7	1260.5	1264.1	1262.7	1261.9
9°	1200.3	1204.6	1205.3	1201.7	1203.1
10°	1135.8	1138.7	1139.4	1141.5	1139.4
11°	1072.1	1072.1	1073.5	1077.0	1071.3
12°	1002.6	1009.0	1002.6	1005.4	1002.6
13°	936.7	938.1	936.7	936.0	931.1
14°	874.4	869.4	870.8	865.2	865.9
15°	795.7	800.7	800.0	801.4	795.7
17.5°	639.8	642.7	642.0	640.5	633.5
20°	506.6	506.6	501.7	498.8	494.6
22.5°	386.9	385.5	383.3	381.2	382.6
25°	290.5	294.1	291.9	291.9	290.5
27.5°	219.7	223.9	220.4	218.2	219.7
30°	167.2	168.6	167.2	166.5	166.5
32.5°	126.1	126.8	126.1	126.1	126.1
35°	96.4	96.4	97.1	97.1	96.4
37.5°	74.4	74.4	74.4	74.4	75.1
40°	57.4	58.1	58.1	58.1	58.1
42.5°	45.3	46.1	46.1	46.1	46.1
45°	36.8	36.8	36.8	36.8	36.8
47.5°	29.8	29.8	29.8	29.8	30.5
50°	24.1	24.8	24.8	24.8	24.8
52.5°	20.5	20.5	20.5	20.5	20.5
55°	17.0	17.0	17.0	17.7	17.7
57.5°	14.2	14.2	14.9	14.9	14.9
60°	12.0	12.8	12.8	12.8	12.8
62.5°	10.6	10.6	11.3	11.3	11.3
65°	9.2	9.2	9.2	9.2	9.2
67.5°	7.8	7.8	7.8	7.8	8.5
70°	6.4	6.4	6.4	7.1	7.1
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.3	4.3	4.3	5.0	5.0
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	2.1	2.1	2.1
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



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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)