

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: P1311301

Luminaire Tested: LDSQA3D09R259040DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311301  
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: LDSQA3D09R259040DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

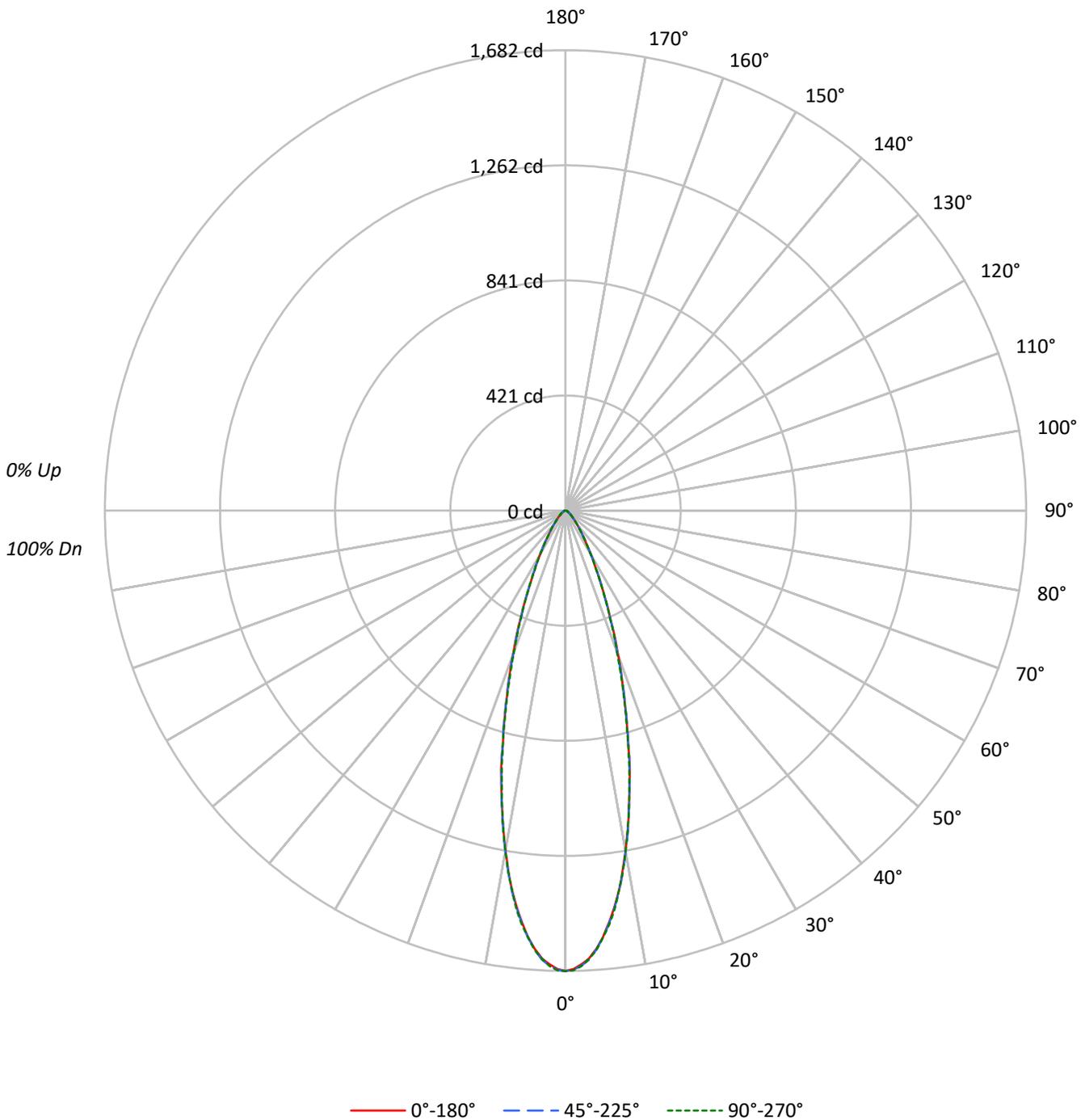
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 674.0 lumens  
Efficiency: N/A  
Efficacy: 60.7 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°	289696	289696	289696
5°	270402	270679	270817
10°	220558	221240	221240
15°	157526	158382	157526
20°	103092	102084	100655
25°	61303	61607	61303
30°	36929	36929	36770
35°	22496	22664	22496
40°	14321	14501	14501
45°	9962	9962	9962
50°	7181	7368	7368
55°	5675	5675	5915
60°	4616	4891	4891
65°	4157	4157	4157
70°	3575	3575	3978
75°	3127	3127	3660
80°	3075	3075	3075
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9962 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.8	20.7
10°-20°	243.7	36.2
20°-30°	153.2	22.7
30°-40°	70.1	10.4
40°-50°	32.7	4.9
50°-60°	17.6	2.6
60°-70°	10.4	1.5
70°-80°	5.4	0.8
80°-90°	1.2	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°	536.6	79.6
0°-40°	606.7	90.0
0°-60°	657.0	97.5
0°-90°	674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1564	1567	1566	1567	1566	140
15°	884	889	888	890	884	244
25°	323	326	324	324	323	153
35°	107	107	108	108	107	70
45°	41	41	41	41	41	32
55°	19	19	19	20	20	17
65°	10	10	10	10	10	10
75°	5	5	5	6	6	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°	1682.1	1682.1	1682.1	1682.1	1682.1
1°	1675.0	1676.6	1678.2	1680.5	1679.8
2°	1659.3	1662.5	1663.2	1666.4	1665.6
3°	1638.1	1637.3	1643.6	1643.6	1639.6
4°	1605.0	1606.6	1608.2	1609.7	1610.5
5°	1564.1	1567.3	1565.7	1567.3	1566.5
6°	1513.8	1518.5	1517.7	1519.3	1521.6
7°	1460.3	1463.4	1463.4	1461.8	1468.1
8°	1402.0	1399.7	1403.6	1402.0	1401.2
9°	1332.8	1337.5	1338.3	1334.4	1335.9
10°	1261.2	1264.3	1265.1	1267.5	1265.1
11°	1190.4	1190.4	1192.0	1195.9	1189.6
12°	1113.3	1120.4	1113.3	1116.4	1113.3
13°	1040.1	1041.7	1040.1	1039.3	1033.8
14°	970.9	965.4	966.9	960.6	961.4
15°	883.5	889.1	888.3	889.8	883.5
17.5°	710.5	713.6	712.8	711.2	703.4
20°	562.5	562.5	557.0	553.9	549.2
22.5°	429.6	428.0	425.6	423.3	424.9
25°	322.6	326.5	324.2	324.2	322.6
27.5°	243.9	248.6	244.7	242.3	243.9
30°	185.7	187.3	185.7	184.9	184.9
32.5°	140.0	140.8	140.0	140.0	140.0
35°	107.0	107.0	107.8	107.8	107.0
37.5°	82.6	82.6	82.6	82.6	83.4
40°	63.7	64.5	64.5	64.5	64.5
42.5°	50.4	51.1	51.1	51.1	51.1
45°	40.9	40.9	40.9	40.9	40.9
47.5°	33.0	33.0	33.0	33.0	33.8
50°	26.8	27.5	27.5	27.5	27.5
52.5°	22.8	22.8	22.8	22.8	22.8
55°	18.9	18.9	18.9	19.7	19.7
57.5°	15.7	15.7	16.5	16.5	16.5
60°	13.4	14.2	14.2	14.2	14.2
62.5°	11.8	11.8	12.6	12.6	12.6
65°	10.2	10.2	10.2	10.2	10.2
67.5°	8.7	8.7	8.7	8.7	9.4
70°	7.1	7.1	7.1	7.9	7.9
72.5°	6.3	6.3	6.3	6.3	6.3
75°	4.7	4.7	4.7	5.5	5.5
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.6	1.6	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	0.8
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)