

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: P1307941

Luminaire Tested: LDSQA3D09R259027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259027DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

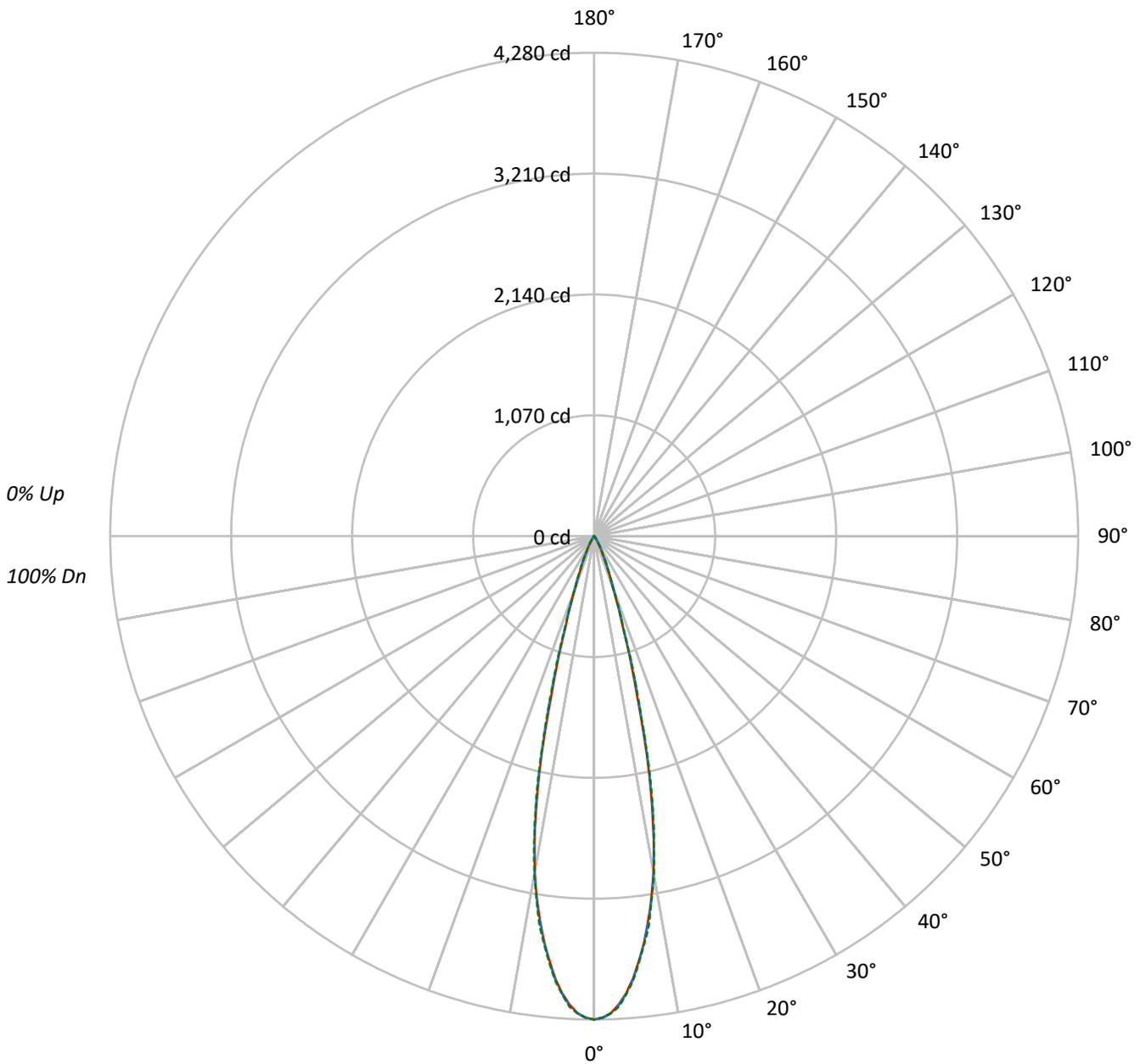
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 891.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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

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

	0°	45°	90°
0°	737199	737199	737199
5°	679749	681287	682705
10°	527786	529692	532560
15°	260814	271797	271904
20°	87826	93709	89585
25°	36371	40400	37416
30°	14279	17938	14418
35°	3742	7338	3890
40°	1394	2923	1394
45°	170	828	170
50°	0	188	0
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: 45°  
 Vertical Angle: 45°  
 Luminance: 828 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.8	38.9
10°-20°	419.5	47.1
20°-30°	102.4	11.5
30°-40°	19.9	2.2
40°-50°	2.3	0.3
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°	868.8	97.5
0°-40°	888.7	99.7
0°-60°	891.0	100.0
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4280	4280	4280	4280	4280	
5°	3932	3937	3941	3958	3949	346
15°	1463	1498	1524	1539	1525	412
25°	191	202	213	204	197	97
35°	18	25	35	25	18	16
45°	1	2	3	2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4280.5	4280.5	4280.5	4280.5	4280.5
1°	4264.1	4266.8	4267.5	4271.6	4263.4
2°	4225.1	4225.8	4227.9	4236.1	4228.6
3°	4153.4	4158.2	4158.8	4169.8	4171.8
4°	4055.6	4058.3	4063.8	4082.3	4065.9
5°	3931.9	3937.4	3940.8	3957.9	3949.0
6°	3778.8	3780.1	3787.7	3807.5	3795.2
7°	3622.9	3622.2	3622.9	3638.6	3635.2
8°	3434.9	3431.5	3442.5	3461.6	3474.6
9°	3238.7	3243.5	3250.4	3268.8	3253.8
10°	3018.0	3030.9	3028.9	3030.3	3045.3
11°	2763.7	2767.8	2768.5	2782.8	2780.8
12°	2464.9	2464.9	2487.5	2510.7	2503.2
13°	2163.5	2184.7	2169.6	2174.4	2204.5
14°	1812.1	1828.5	1849.1	1868.2	1853.2
15°	1462.8	1497.7	1524.4	1539.4	1525.0
17.5°	838.1	849.7	872.2	875.0	866.1
20°	479.2	493.5	511.3	505.8	488.8
22.5°	301.5	305.6	323.3	314.4	310.3
25°	191.4	201.7	212.6	203.7	196.9
27.5°	118.9	125.8	137.4	127.8	120.3
30°	71.8	77.9	90.2	77.2	72.5
32.5°	37.6	46.5	56.7	47.2	37.6
35°	17.8	25.3	34.9	25.3	18.5
37.5°	10.9	13.7	21.2	13.7	10.9
40°	6.2	8.9	13.0	8.9	6.2
42.5°	2.7	4.8	6.2	4.8	3.4
45°	0.7	2.1	3.4	2.1	0.7
47.5°	0.0	0.0	2.1	0.7	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)