

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: P1319913

Luminaire Tested: LDSQA3D09R159840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R159840DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

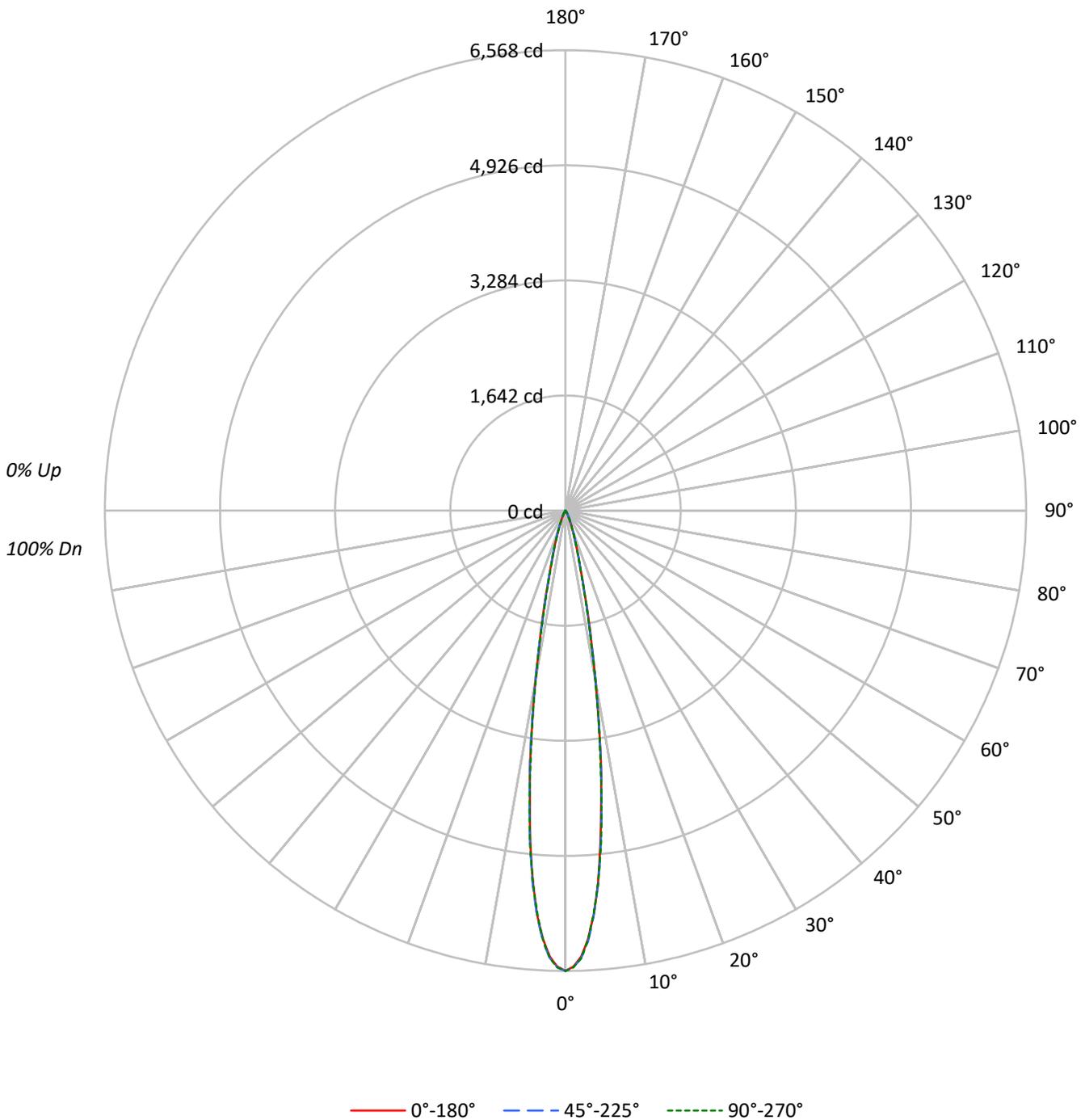
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 733.0 lumens  
Efficiency: N/A  
Efficacy: 66.6 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	1131107	1131107	1131107
5°	920917	923925	922127
10°	429591	433439	427965
15°	134900	136041	135203
20°	53443	55569	51739
25°	21587	26110	20827
30°	8651	11872	8193
35°	2565	5235	2439
40°	787	1956	652
45°	146	414	146
50°	0	161	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: 414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.2	56.1
10°-20°	245.9	33.6
20°-30°	62.0	8.5
30°-40°	12.7	1.7
40°-50°	1.2	0.2
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°	719.1	98.1
0°-40°	731.8	99.8
0°-60°	733.0	100.0
0°-90°	733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6568	6568	6568	6568	6568	
5°	5327	5317	5344	5331	5334	410
15°	757	763	763	752	758	246
25°	114	124	137	122	110	58
35°	12	16	25	16	12	10
45°	1	1	2	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6567.7	6567.7	6567.7	6567.7	6567.7
1°	6508.5	6530.5	6519.0	6528.2	6517.8
2°	6367.6	6397.2	6387.9	6385.0	6393.1
3°	6119.5	6153.7	6152.5	6143.8	6129.9
4°	5780.9	5767.0	5788.4	5786.1	5762.4
5°	5326.9	5317.1	5344.3	5331.0	5333.9
6°	4771.5	4814.4	4805.1	4806.3	4817.3
7°	4174.9	4198.1	4217.8	4234.1	4211.5
8°	3627.1	3621.3	3623.0	3641.5	3578.9
9°	3013.7	3049.6	3026.4	2989.3	3013.1
10°	2456.5	2478.5	2478.5	2446.1	2447.2
11°	1958.5	1976.4	1963.7	1971.8	1920.8
12°	1578.7	1534.1	1523.6	1531.8	1531.2
13°	1205.3	1208.2	1205.3	1204.8	1199.0
14°	945.0	960.1	953.7	938.1	931.1
15°	756.6	763.0	763.0	752.0	758.3
17.5°	454.5	462.1	463.8	456.3	456.3
20°	291.6	295.1	303.2	292.2	282.3
22.5°	179.7	187.3	201.2	184.9	176.8
25°	113.6	124.1	137.4	121.8	109.6
27.5°	71.3	80.0	91.6	76.5	69.0
30°	43.5	49.3	59.7	48.1	41.2
32.5°	24.4	29.0	37.7	27.8	23.2
35°	12.2	16.2	24.9	15.7	11.6
37.5°	7.0	8.7	15.7	7.5	6.4
40°	3.5	4.6	8.7	4.6	2.9
42.5°	1.2	2.3	3.5	2.3	1.2
45°	0.6	1.2	1.7	1.2	0.6
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.6	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)