

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: P1310146

Luminaire Tested: LDSQA3D09R159035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310146  
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: LDSQA3D09R159035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

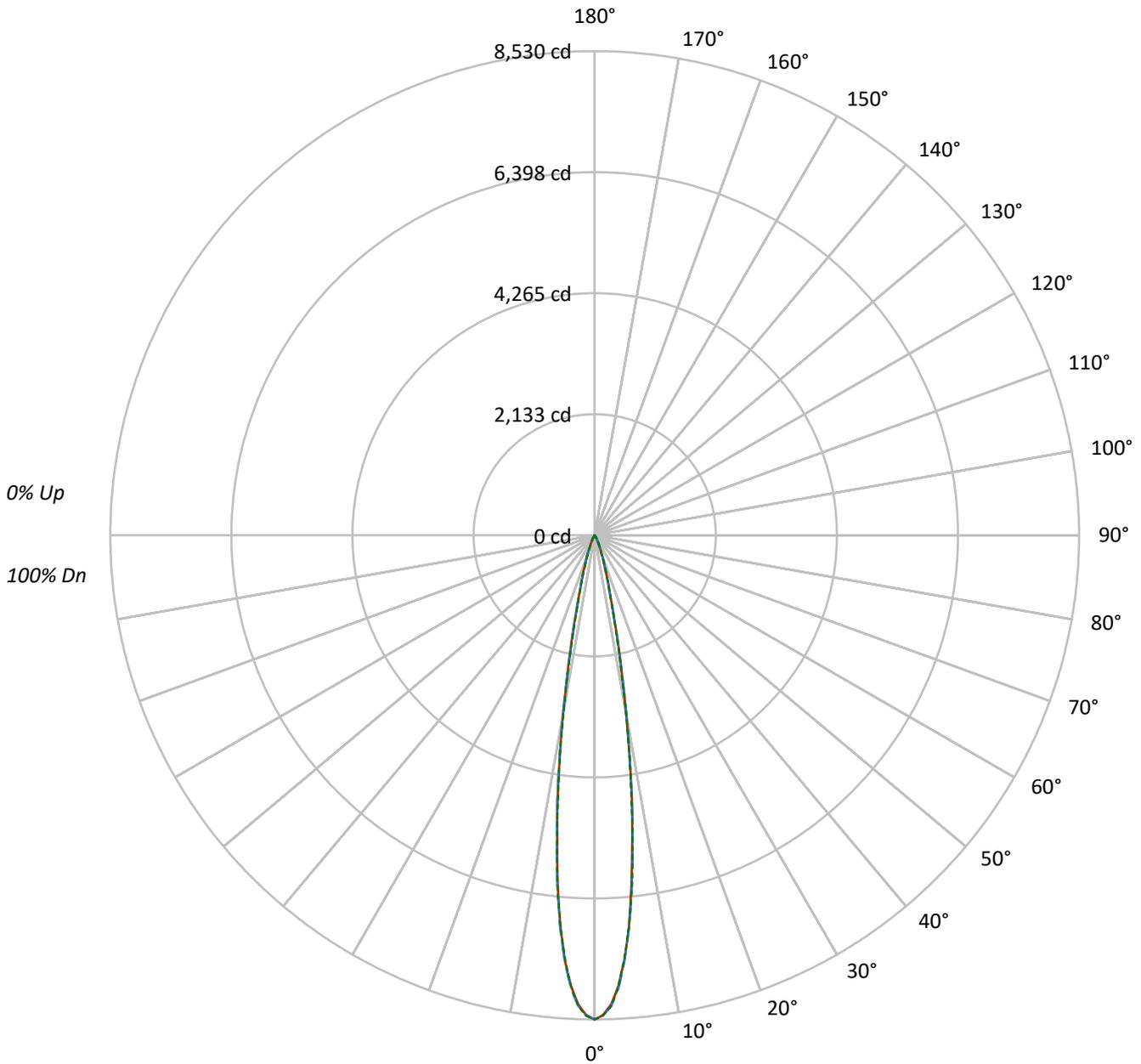
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 952.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 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): 11.1  
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	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	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

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

	0°	45°	90°
0°	1469042	1469042	1469042
5°	1196074	1199981	1197630
10°	557935	562937	555837
15°	175213	176675	175606
20°	69425	72174	67207
25°	28048	33920	27041
30°	11236	15432	10639
35°	3322	6812	3175
40°	1012	2540	854
45°	195	560	195
50°	0	214	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: 560 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	534.1	56.1
10°-20°	319.4	33.6
20°-30°	80.5	8.5
30°-40°	16.4	1.7
40°-50°	1.5	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°	934.0	98.1
0°-40°	950.4	99.8
0°-60°	952.0	100.0
0°-90°	952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8530	8530	8530	8530	8530	
5°	6918	6906	6941	6924	6928	532
15°	983	991	991	977	985	320
25°	148	161	178	158	142	76
35°	16	21	32	20	15	13
45°	1	2	2	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°	8529.9	8529.9	8529.9	8529.9	8529.9
1°	8453.1	8481.7	8466.6	8478.7	8465.1
2°	8270.1	8308.5	8296.5	8292.7	8303.2
3°	7947.8	7992.2	7990.7	7979.4	7961.4
4°	7508.1	7490.0	7517.9	7514.9	7484.0
5°	6918.5	6905.7	6941.1	6923.8	6927.5
6°	6197.1	6252.8	6240.8	6242.3	6256.6
7°	5422.3	5452.4	5478.0	5499.1	5469.7
8°	4710.7	4703.2	4705.4	4729.5	4648.2
9°	3914.0	3960.7	3930.6	3882.4	3913.3
10°	3190.4	3219.0	3219.0	3176.9	3178.4
11°	2543.6	2566.9	2550.4	2560.9	2494.7
12°	2050.4	1992.4	1978.9	1989.4	1988.7
13°	1565.5	1569.2	1565.5	1564.7	1557.2
14°	1227.4	1247.0	1238.7	1218.3	1209.3
15°	982.7	990.9	990.9	976.6	984.9
17.5°	590.3	600.1	602.4	592.6	592.6
20°	378.8	383.3	393.8	379.5	366.7
22.5°	233.4	243.2	261.3	240.2	229.7
25°	147.6	161.1	178.5	158.1	142.3
27.5°	92.6	103.9	119.0	99.4	89.6
30°	56.5	64.0	77.6	62.5	53.5
32.5°	31.6	37.6	48.9	36.1	30.1
35°	15.8	21.1	32.4	20.3	15.1
37.5°	9.0	11.3	20.3	9.8	8.3
40°	4.5	6.0	11.3	6.0	3.8
42.5°	1.5	3.0	4.5	3.0	1.5
45°	0.8	1.5	2.3	1.5	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	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)