

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: P1318269

Luminaire Tested: LDSQA3D09R559830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559830DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

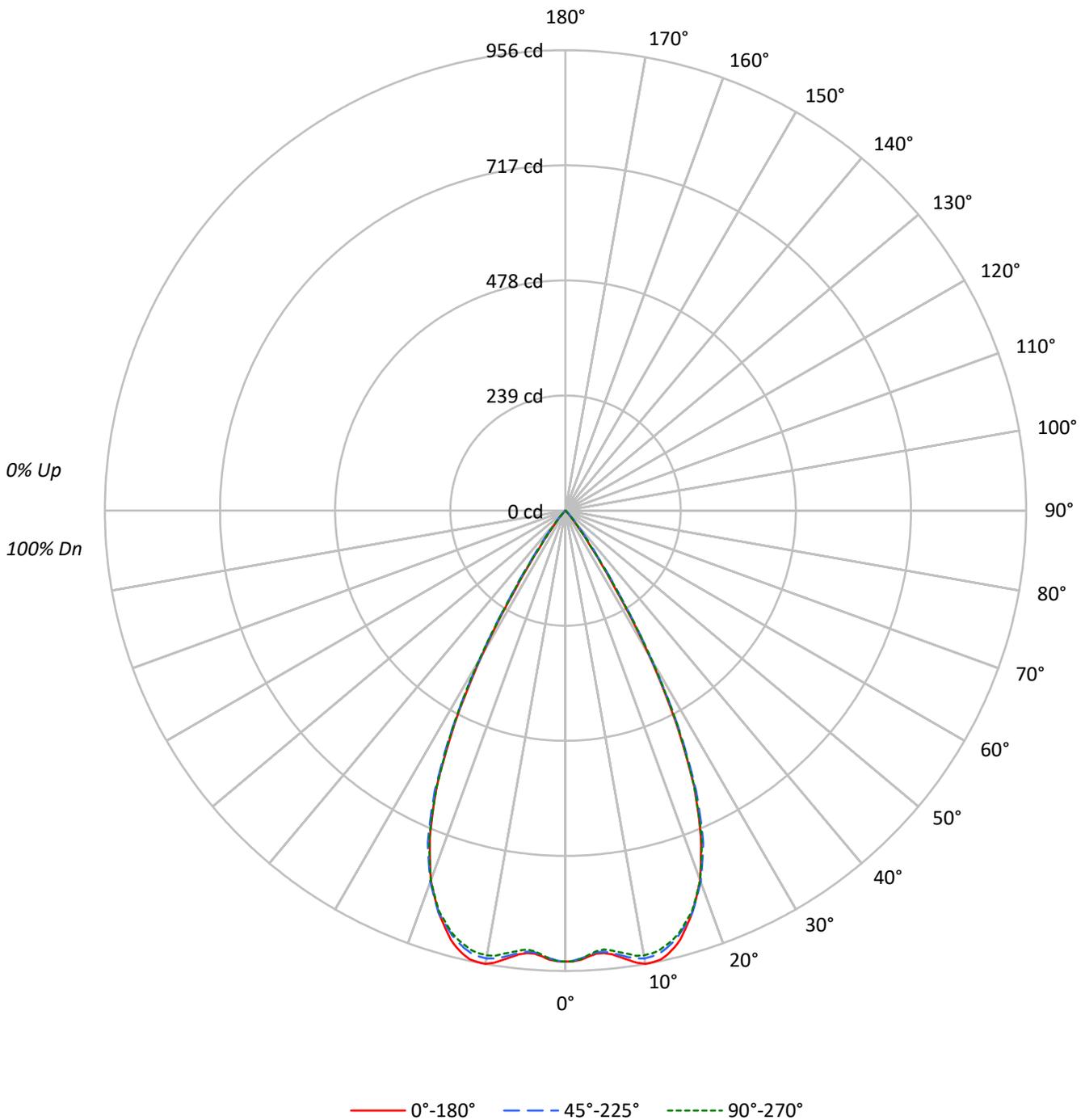
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 712.0 lumens  
Efficiency: N/A  
Efficacy: 64.7 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
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 (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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	161287	161287	161287
5°	159448	158981	158134
10°	167132	165121	163967
15°	164355	162590	162002
20°	149699	150304	149791
25°	120097	121959	120097
30°	68927	70677	71214
35°	19658	23674	20226
40°	5036	7262	5171
45°	536	2533	390
50°	0	429	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: 2533 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	12.5
10°-20°	253.7	35.6
20°-30°	279.5	39.3
30°-40°	83.4	11.7
40°-50°	6.4	0.9
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°	622.1	87.4
0°-40°	705.6	99.1
0°-60°	712.0	100.0
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	922	921	920	916	915	89
15°	922	915	912	908	909	256
25°	632	632	642	641	632	277
35°	94	100	113	103	96	77
45°	2	6	10	6	2	4
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°	936.5	936.5	936.5	936.5	936.5
1°	936.0	936.0	934.9	934.3	936.0
2°	933.2	933.2	930.5	930.0	931.6
3°	927.2	926.7	924.5	922.9	924.0
4°	922.3	921.2	919.6	916.8	917.4
5°	922.3	920.7	919.6	915.8	914.7
6°	926.7	925.6	923.4	919.6	918.5
7°	934.3	932.2	930.0	925.0	924.0
8°	942.5	940.9	936.5	931.6	929.4
9°	950.7	946.9	941.4	936.5	936.0
10°	955.7	950.2	944.2	938.2	937.6
11°	955.1	950.2	943.1	937.6	937.1
12°	952.9	945.8	939.8	933.2	933.8
13°	945.3	938.7	932.7	927.8	926.7
14°	934.9	928.9	923.4	918.5	919.0
15°	921.8	915.2	911.9	908.1	908.6
17.5°	875.3	873.7	875.3	870.9	872.6
20°	816.8	815.2	820.1	817.9	817.3
22.5°	735.3	737.5	746.8	744.1	739.2
25°	632.0	632.0	641.8	640.8	632.0
27.5°	497.5	501.3	507.4	510.1	503.5
30°	346.6	355.4	355.4	360.8	358.1
32.5°	193.5	212.1	216.5	219.2	208.3
35°	93.5	99.5	112.6	102.8	96.2
37.5°	44.8	47.6	60.7	49.2	45.9
40°	22.4	25.7	32.3	26.8	23.0
42.5°	9.3	13.7	16.9	13.7	9.3
45°	2.2	5.5	10.4	5.5	1.6
47.5°	0.0	0.5	4.9	1.1	0.0
50°	0.0	0.0	1.6	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)