

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: P1311282

Luminaire Tested: LDSQA3D09R209040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R209040DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

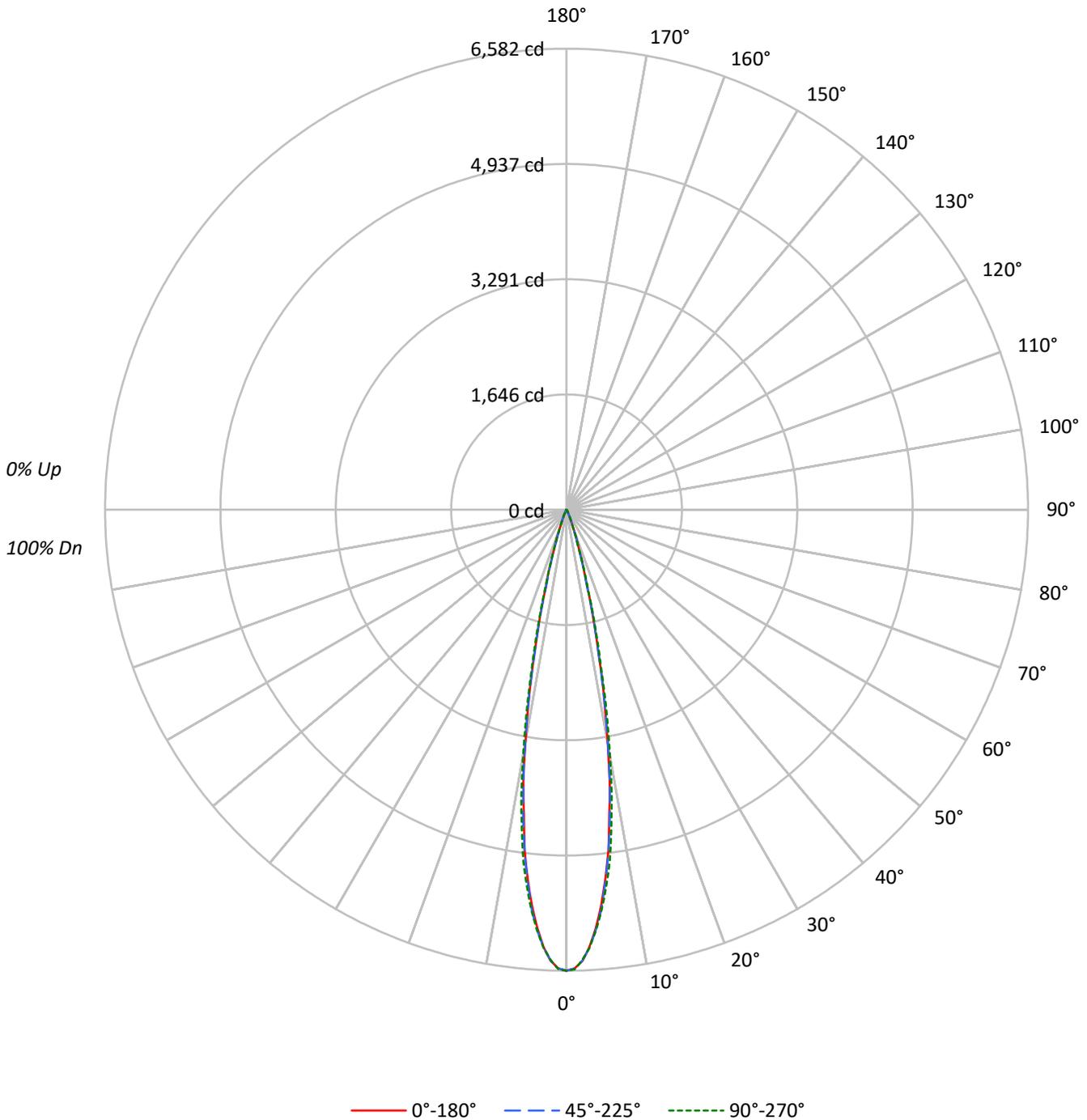
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 884.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
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	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	92	92	95	93	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	91	88	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	89	87	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	88	86	83

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

	0°	45°	90°
0°	1133501	1133501	1133501
5°	979212	988341	992023
10°	589484	594992	624599
15°	203884	199123	214992
20°	53553	50382	50511
25°	11668	14062	16019
30°	5011	5011	5171
35°	2817	2481	2649
40°	1237	1416	1596
45°	390	585	585
50°	214	214	214
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: 22.5°  
 Vertical Angle: 45°  
 Luminance: 585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	470.7	53.3
10°-20°	358.4	40.5
20°-30°	44.3	5.0
30°-40°	8.4	0.9
40°-50°	2.0	0.2
50°-60°	0.1	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°	873.5	98.8
0°-40°	881.9	99.8
0°-60°	884.0	100.0
0°-90°	884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6582	6582	6582	6582	6582	
5°	5664	5660	5717	5713	5738	467
15°	1144	1103	1117	1184	1206	358
25°	61	70	74	77	84	42
35°	13	13	12	13	13	9
45°	2	2	2	2	2	2
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°	6581.6	6581.6	6581.6	6581.6	6581.6
1°	6550.9	6543.0	6549.3	6536.0	6563.5
2°	6446.2	6438.3	6438.3	6430.4	6434.4
3°	6250.9	6263.5	6255.6	6239.1	6260.3
4°	5984.7	5998.8	6011.4	6012.2	6015.4
5°	5664.1	5660.2	5716.9	5713.0	5738.2
6°	5298.7	5294.0	5318.4	5359.3	5409.7
7°	4897.0	4839.6	4904.9	4987.6	5055.3
8°	4377.3	4392.2	4437.1	4534.8	4589.1
9°	3936.2	3848.8	3944.1	4060.7	4119.7
10°	3370.8	3299.9	3402.3	3525.1	3571.6
12.5°	2121.7	2060.3	2093.3	2222.5	2243.0
15°	1143.5	1102.6	1116.8	1183.7	1205.8
17.5°	583.6	546.6	538.7	581.2	585.9
20°	292.2	283.5	274.9	278.8	275.6
22.5°	135.5	147.3	145.7	137.8	147.3
25°	61.4	70.1	74.0	77.2	84.3
27.5°	37.8	36.2	41.7	44.9	45.7
30°	25.2	24.4	25.2	26.0	26.0
32.5°	18.1	17.3	16.5	16.5	17.3
35°	13.4	13.4	11.8	12.6	12.6
37.5°	9.5	9.5	8.7	9.5	9.5
40°	5.5	6.3	6.3	6.3	7.1
42.5°	3.2	3.9	3.9	3.9	3.9
45°	1.6	2.4	2.4	2.4	2.4
47.5°	0.8	0.8	0.8	1.6	1.6
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)