

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: P1320220

Luminaire Tested: LDSQA3D17R209840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320220  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209840DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

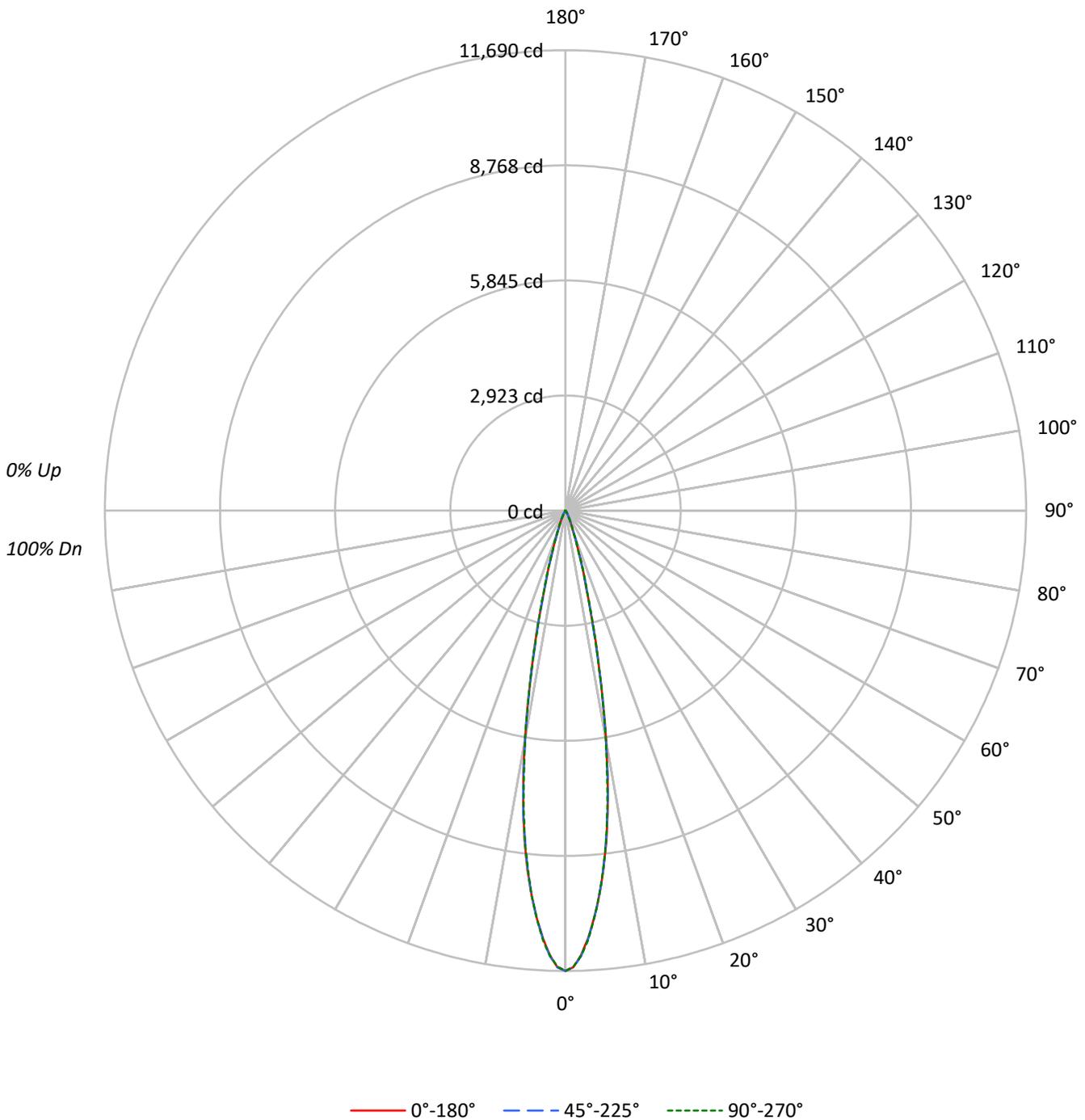
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1610.9 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	2013352	2013352	2013352
5°	1696943	1697600	1696736
10°	1034080	1029288	1031684
15°	364245	365796	377136
20°	114456	117645	115134
25°	42870	46899	44048
30°	16605	23546	17361
35°	6286	10491	6812
40°	3372	4474	3372
45°	1218	2119	1510
50°	670	991	670
55°	751	751	751
60°	413	413	413
65°	489	489	489
70°	604	604	604
75°	0	0	799
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2119 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	811.5	50.4
10°-20°	636.3	39.5
20°-30°	125.0	7.8
30°-40°	28.0	1.7
40°-50°	6.4	0.4
50°-60°	2.0	0.1
60°-70°	1.2	0.1
70°-80°	0.5	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°	1572.8	97.6
0°-40°	1600.8	99.4
0°-60°	1609.2	99.9
0°-90°	1610.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1610.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11690	11690	11690	11690	11690	
5°	9816	9824	9820	9853	9814	813
15°	2043	2052	2052	2096	2115	635
25°	226	241	247	243	232	119
35°	30	36	50	36	32	22
45°	5	8	9	8	6	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	11690.4	11690.4	11690.4	11690.4	11690.4
1°	11595.6	11570.7	11599.4	11576.9	11581.9
2°	11295.2	11281.5	11318.9	11295.2	11307.7
3°	10877.7	10860.2	10887.6	10888.9	10923.8
4°	10379.1	10345.4	10386.6	10387.8	10394.1
5°	9815.7	9824.4	9819.5	9853.1	9814.5
6°	9182.5	9211.2	9173.8	9192.5	9138.9
7°	8474.5	8438.4	8419.7	8425.9	8463.3
8°	7693.0	7668.1	7695.5	7656.9	7630.7
9°	6824.3	6780.6	6810.5	6773.2	6735.8
10°	5913.1	5893.2	5885.7	5843.3	5899.4
11°	4999.5	4939.6	4969.6	4948.4	5009.4
12°	4144.4	4149.4	4090.8	4109.5	4117.0
13°	3372.9	3293.1	3303.1	3354.2	3362.9
14°	2616.3	2627.5	2631.2	2667.4	2688.6
15°	2042.9	2051.6	2051.6	2096.5	2115.2
17.5°	1095.6	1095.6	1119.3	1124.3	1126.8
20°	624.5	628.2	641.9	640.7	628.2
22.5°	373.9	381.4	388.9	381.4	373.9
25°	225.6	240.6	246.8	243.1	231.8
27.5°	134.6	150.8	168.3	154.6	133.4
30°	83.5	92.2	118.4	94.7	87.3
32.5°	46.1	59.8	81.0	62.3	47.4
35°	29.9	36.1	49.9	36.1	32.4
37.5°	21.2	24.9	31.2	26.2	22.4
40°	15.0	17.5	19.9	18.7	15.0
42.5°	10.0	12.5	13.7	12.5	10.0
45°	5.0	7.5	8.7	7.5	6.2
47.5°	2.5	3.7	6.2	3.7	2.5
50°	2.5	2.5	3.7	2.5	2.5
52.5°	2.5	2.5	2.5	2.5	2.5
55°	2.5	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	1.2	2.5	1.2
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.0	0.0	0.0	0.0	1.2
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)