

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: P1315733

Luminaire Tested: LDSQA3D17R209735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315733  
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: LDSQA3D17R209735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

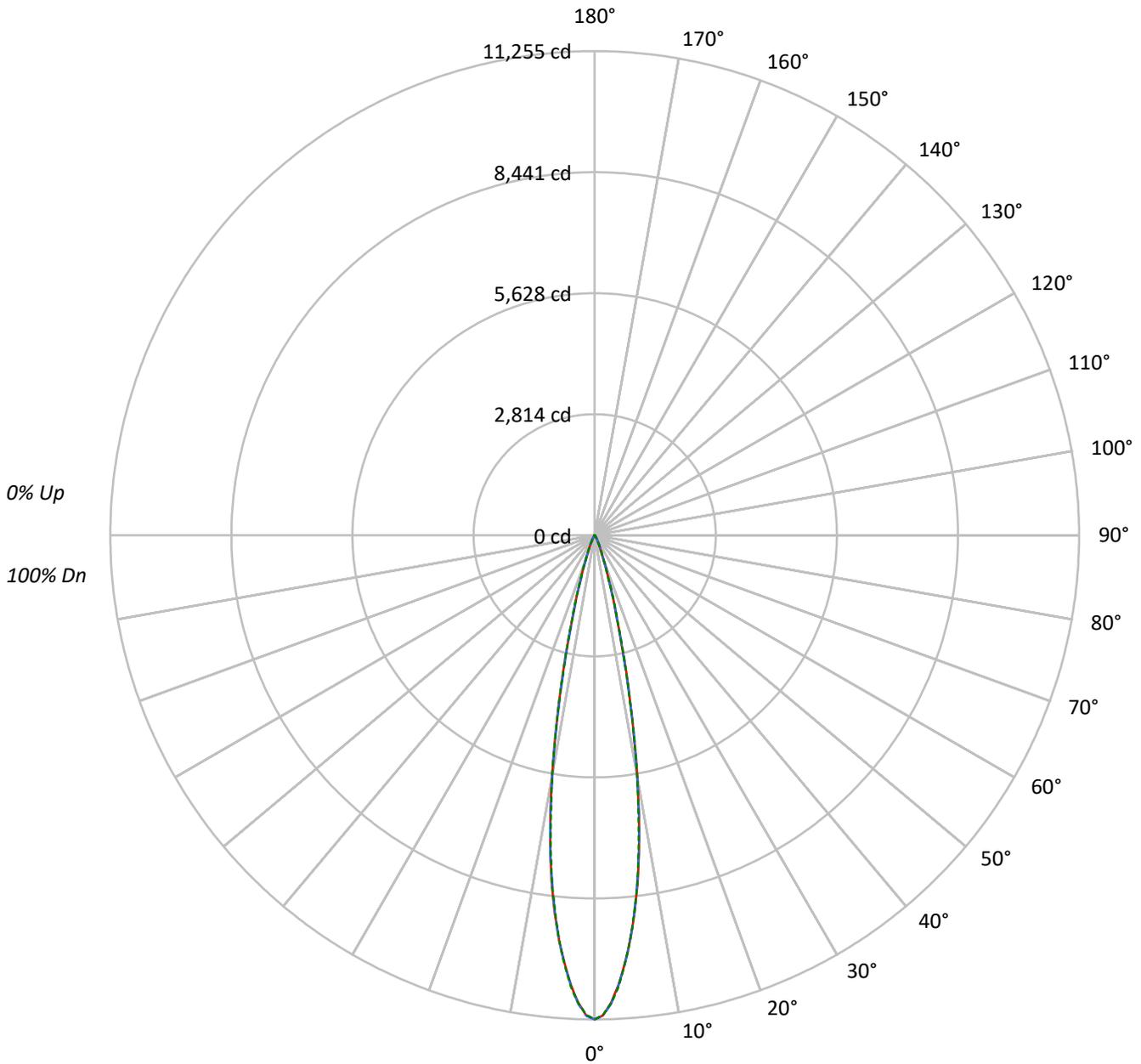
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1551.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 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): 21.2  
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



0% Up  
100% Dn

— 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	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	91	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°	1938366	1938366	1938366
5°	1633738	1634360	1633531
10°	995571	990954	993263
15°	350677	352174	363086
20°	110185	113264	110845
25°	41274	45150	42414
30°	15989	22671	16705
35°	6055	10092	6560
40°	3237	4317	3237
45°	1169	2046	1461
50°	643	965	643
55°	721	721	721
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: 2046 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	781.3	50.4
10°-20°	612.6	39.5
20°-30°	120.3	7.8
30°-40°	27.0	1.7
40°-50°	6.1	0.4
50°-60°	1.9	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°	1514.2	97.6
0°-40°	1541.2	99.4
0°-60°	1549.3	99.9
0°-90°	1551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11255	11255	11255	11255	11255	
5°	9450	9458	9454	9486	9449	783
15°	1967	1975	1975	2018	2036	611
25°	217	232	238	234	223	114
35°	29	35	48	35	31	21
45°	5	7	8	7	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°	11255.0	11255.0	11255.0	11255.0	11255.0
1°	11163.8	11139.8	11167.4	11145.8	11150.6
2°	10874.6	10861.4	10897.4	10874.6	10886.6
3°	10472.6	10455.8	10482.2	10483.4	10517.0
4°	9992.5	9960.1	9999.7	10000.9	10006.9
5°	9450.1	9458.5	9453.7	9486.1	9448.9
6°	8840.5	8868.1	8832.1	8850.1	8798.5
7°	8158.9	8124.1	8106.1	8112.1	8148.1
8°	7406.5	7382.5	7408.9	7371.7	7346.5
9°	6570.1	6528.1	6556.9	6520.9	6484.9
10°	5692.9	5673.7	5666.5	5625.7	5679.7
11°	4813.3	4755.7	4784.5	4764.1	4822.9
12°	3990.1	3994.9	3938.5	3956.5	3963.7
13°	3247.2	3170.4	3180.0	3229.2	3237.6
14°	2518.8	2529.6	2533.2	2568.0	2588.4
15°	1966.8	1975.2	1975.2	2018.4	2036.4
17.5°	1054.8	1054.8	1077.6	1082.4	1084.8
20°	601.2	604.8	618.0	616.8	604.8
22.5°	360.0	367.2	374.4	367.2	360.0
25°	217.2	231.6	237.6	234.0	223.2
27.5°	129.6	145.2	162.0	148.8	128.4
30°	80.4	88.8	114.0	91.2	84.0
32.5°	44.4	57.6	78.0	60.0	45.6
35°	28.8	34.8	48.0	34.8	31.2
37.5°	20.4	24.0	30.0	25.2	21.6
40°	14.4	16.8	19.2	18.0	14.4
42.5°	9.6	12.0	13.2	12.0	9.6
45°	4.8	7.2	8.4	7.2	6.0
47.5°	2.4	3.6	6.0	3.6	2.4
50°	2.4	2.4	3.6	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	1.2	2.4	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)