

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: P1314761

Luminaire Tested: LDSQA3D17R209730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314761  
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: LDSQA3D17R209730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

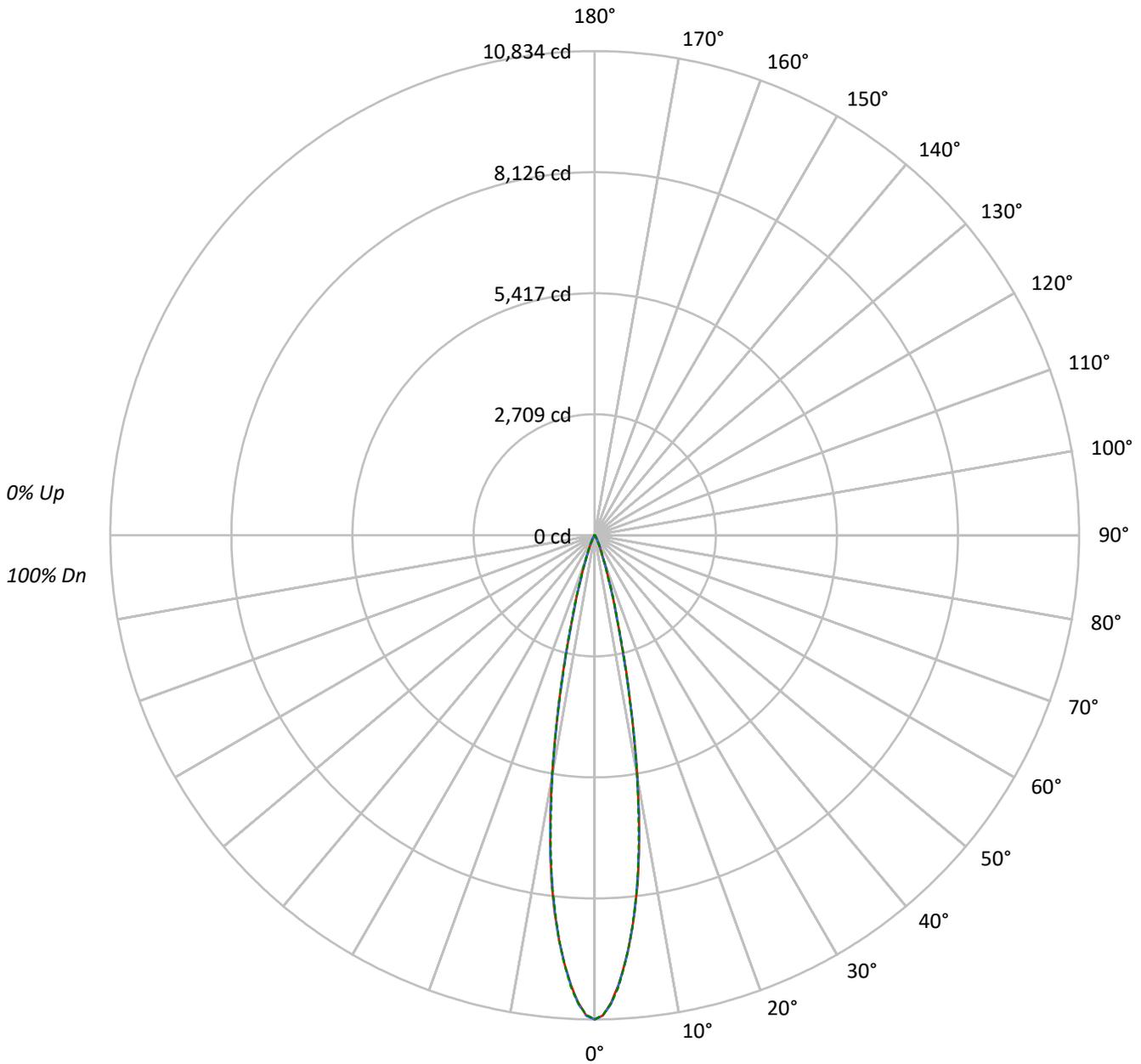
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1493.1 lumens  
Efficiency: N/A  
Efficacy: 70.4 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°-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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	98
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82

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

	0°	45°	90°
0°	1865877	1865877	1865877
5°	1572642	1573247	1572452
10°	958339	953897	956118
15°	337572	339016	349518
20°	106062	109031	106703
25°	39735	43459	40837
30°	15392	21816	16088
35°	5824	9713	6307
40°	3125	4159	3125
45°	1120	1973	1413
50°	616	938	616
55°	691	691	691
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: 1973 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	752.1	50.4
10°-20°	589.7	39.5
20°-30°	115.8	7.8
30°-40°	26.0	1.7
40°-50°	5.9	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°	1457.6	97.6
0°-40°	1483.6	99.4
0°-60°	1491.4	99.9
0°-90°	1493.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1493.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10834	10834	10834	10834	10834	
5°	9097	9105	9100	9131	9096	754
15°	1893	1901	1901	1943	1960	588
25°	209	223	229	225	215	110
35°	28	34	46	34	30	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°	10834.1	10834.1	10834.1	10834.1	10834.1
1°	10746.3	10723.2	10749.8	10729.0	10733.6
2°	10467.9	10455.2	10489.8	10467.9	10479.5
3°	10080.9	10064.8	10090.2	10091.3	10123.7
4°	9618.9	9587.7	9625.8	9627.0	9632.7
5°	9096.7	9104.8	9100.2	9131.4	9095.6
6°	8509.9	8536.5	8501.8	8519.2	8469.5
7°	7853.8	7820.3	7803.0	7808.8	7843.4
8°	7129.5	7106.4	7131.8	7096.0	7071.8
9°	6324.4	6284.0	6311.7	6277.0	6242.4
10°	5480.0	5461.5	5454.6	5415.3	5467.3
11°	4633.3	4577.8	4605.6	4585.9	4642.5
12°	3840.8	3845.5	3791.2	3808.5	3815.4
13°	3125.8	3051.9	3061.1	3108.5	3116.6
14°	2424.6	2435.0	2438.5	2472.0	2491.6
15°	1893.3	1901.4	1901.4	1942.9	1960.3
17.5°	1015.4	1015.4	1037.3	1041.9	1044.2
20°	578.7	582.2	594.9	593.7	582.2
22.5°	346.5	353.5	360.4	353.5	346.5
25°	209.1	222.9	228.7	225.3	214.9
27.5°	124.8	139.8	155.9	143.2	123.6
30°	77.4	85.5	109.7	87.8	80.9
32.5°	42.7	55.4	75.1	57.8	43.9
35°	27.7	33.5	46.2	33.5	30.0
37.5°	19.6	23.1	28.9	24.3	20.8
40°	13.9	16.2	18.5	17.3	13.9
42.5°	9.2	11.6	12.7	11.6	9.2
45°	4.6	6.9	8.1	6.9	5.8
47.5°	2.3	3.5	5.8	3.5	2.3
50°	2.3	2.3	3.5	2.3	2.3
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	1.2	2.3	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)