

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: P1310472

Luminaire Tested: LDSQA3D17R159035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159035DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

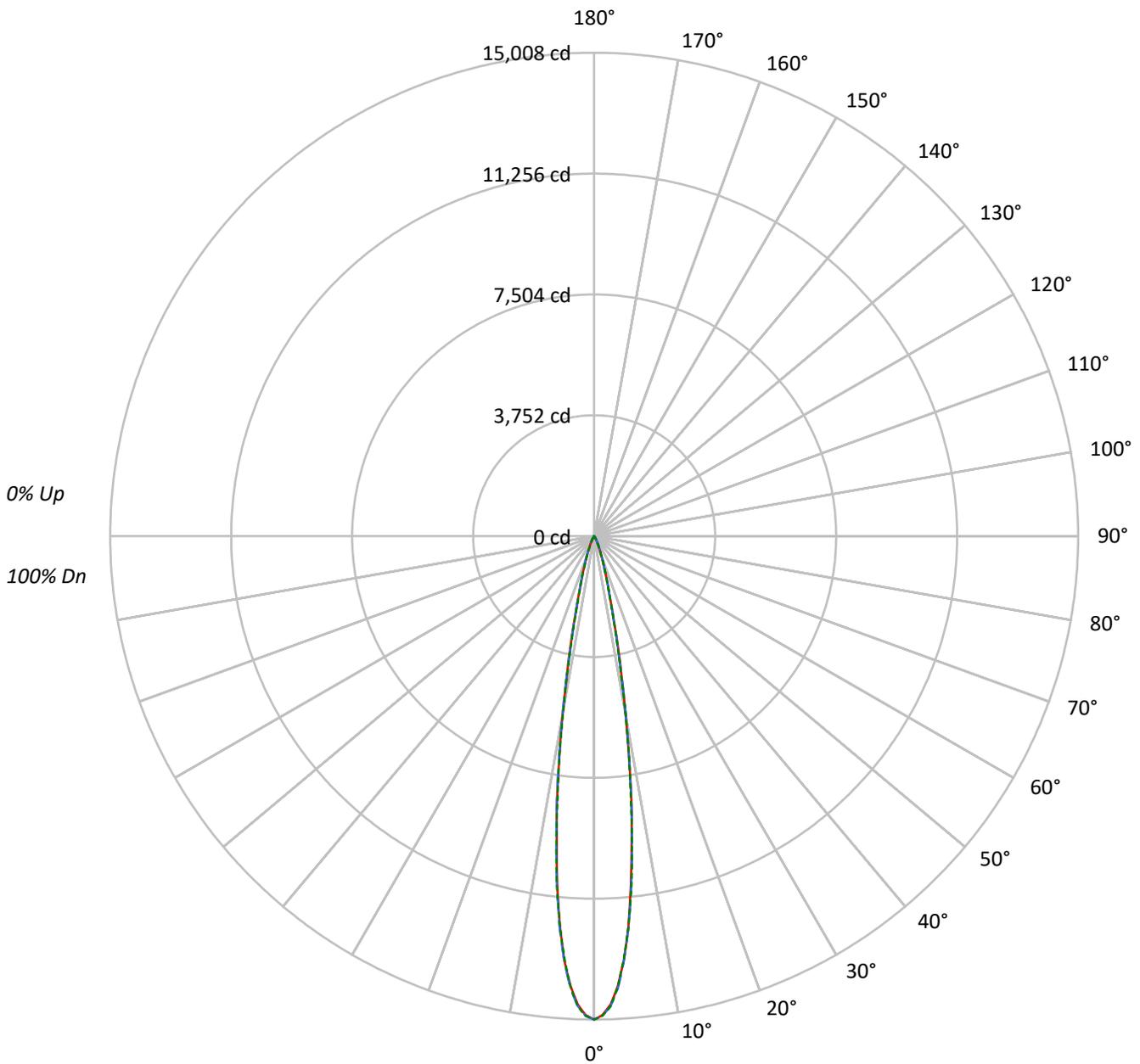
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1675.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
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				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	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	2584700	2584700	2584700
5°	2104440	2111303	2107189
10°	981668	990465	977961
15°	308259	310863	308973
20°	122135	126992	118249
25°	49350	59668	47583
30°	19767	27145	18713
35°	5845	11984	5571
40°	1776	4474	1484
45°	317	974	317
50°	0	348	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: 974 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	939.6	56.1
10°-20°	562.0	33.6
20°-30°	141.7	8.5
30°-40°	28.9	1.7
40°-50°	2.7	0.2
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°	1643.3	98.1
0°-40°	1672.3	99.8
0°-60°	1675.0	100.0
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15008	15008	15008	15008	15008	
5°	12173	12150	12212	12182	12189	937
15°	1729	1744	1744	1718	1733	562
25°	260	284	314	278	250	133
35°	28	37	57	36	26	23
45°	1	3	4	3	1	1
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°	15007.9	15007.9	15007.9	15007.9	15007.9
1°	14872.8	14923.1	14896.7	14917.8	14894.0
2°	14550.9	14618.4	14597.2	14590.6	14609.2
3°	13983.8	14062.0	14059.3	14039.5	14007.7
4°	13210.1	13178.3	13227.3	13222.0	13167.7
5°	12172.8	12150.2	12212.5	12182.0	12188.7
6°	10903.5	11001.6	10980.4	10983.0	11008.2
7°	9540.3	9593.3	9638.3	9675.4	9623.7
8°	8288.3	8275.0	8279.0	8321.4	8178.3
9°	6886.6	6968.7	6915.7	6830.9	6885.3
10°	5613.4	5663.7	5663.7	5589.6	5592.2
11°	4475.4	4516.4	4487.3	4505.8	4389.2
12°	3607.6	3505.6	3481.7	3500.3	3498.9
13°	2754.4	2761.0	2754.4	2753.0	2739.8
14°	2159.5	2194.0	2179.4	2143.6	2127.7
15°	1728.9	1743.5	1743.5	1718.3	1732.9
17.5°	1038.7	1055.9	1059.9	1042.7	1042.7
20°	666.4	674.4	692.9	667.7	645.2
22.5°	410.7	427.9	459.7	422.6	404.1
25°	259.7	283.5	314.0	278.2	250.4
27.5°	163.0	182.8	209.3	174.9	157.7
30°	99.4	112.6	136.5	110.0	94.1
32.5°	55.6	66.2	86.1	63.6	53.0
35°	27.8	37.1	57.0	35.8	26.5
37.5°	15.9	19.9	35.8	17.2	14.6
40°	7.9	10.6	19.9	10.6	6.6
42.5°	2.6	5.3	7.9	5.3	2.6
45°	1.3	2.6	4.0	2.6	1.3
47.5°	0.0	0.0	1.3	0.0	0.0
50°	0.0	0.0	1.3	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)