

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: P1318453

Luminaire Tested: LDSQA3D17R159830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318453  
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: LDSQA3D17R159830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

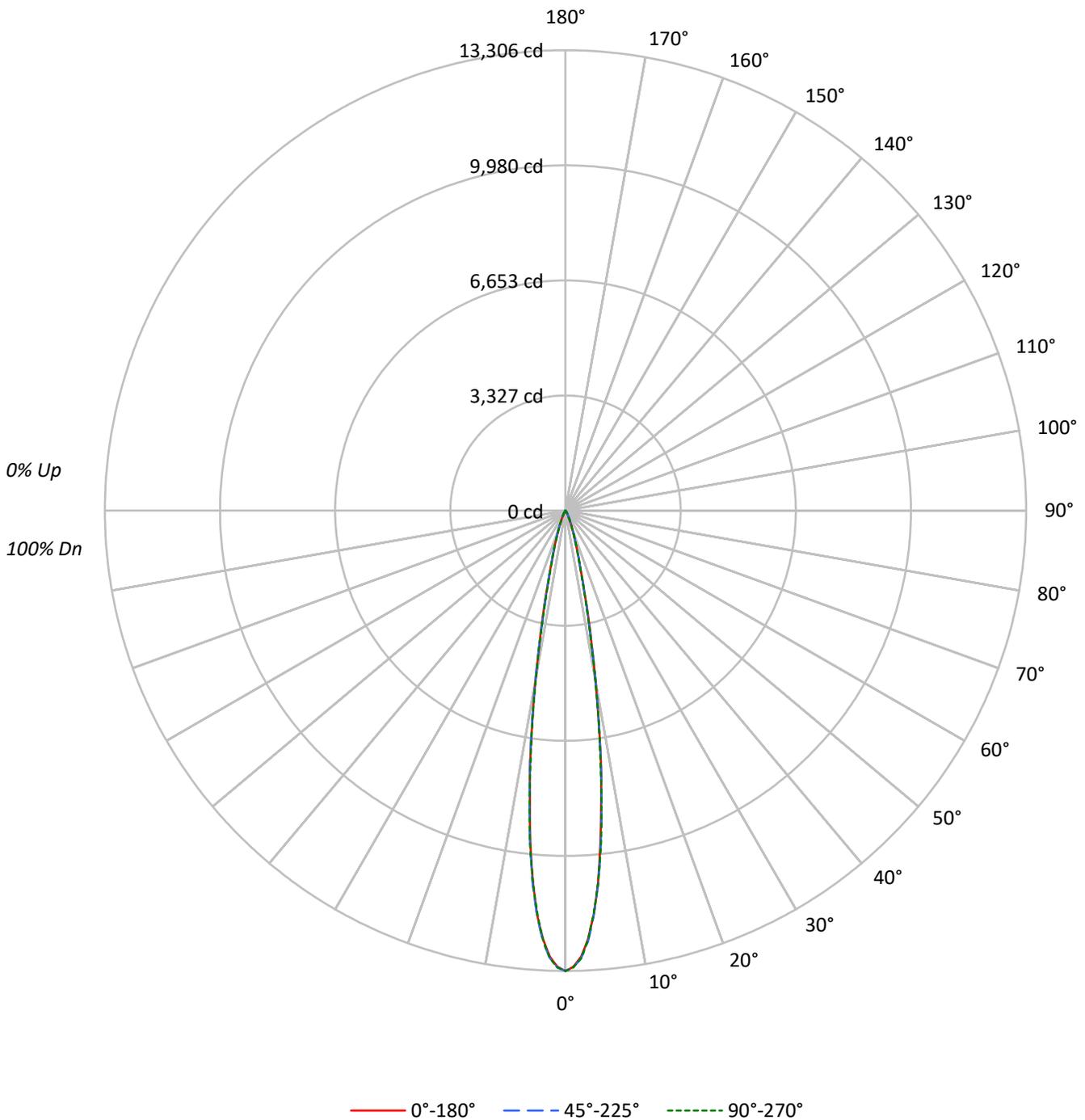
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1485.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 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): 20.4  
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	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

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

	0°	45°	90°
0°	2291508	2291508	2291508
5°	1865726	1871812	1868164
10°	870323	878122	867035
15°	273295	275595	273919
20°	108279	112586	104834
25°	43744	52903	42186
30°	17520	24063	16585
35°	5193	10617	4941
40°	1574	3957	1326
45°	292	852	292
50°	0	322	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: 852 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	833.1	56.1
10°-20°	498.2	33.6
20°-30°	125.7	8.5
30°-40°	25.6	1.7
40°-50°	2.4	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°	1456.9	98.1
0°-40°	1482.6	99.8
0°-60°	1485.0	100.0
0°-90°	1485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13306	13306	13306	13306	13306	
5°	10792	10772	10827	10800	10806	831
15°	1533	1546	1546	1523	1536	498
25°	230	251	278	247	222	118
35°	25	33	50	32	24	20
45°	1	2	4	2	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°	13305.5	13305.5	13305.5	13305.5	13305.5
1°	13185.7	13230.4	13206.9	13225.7	13204.5
2°	12900.3	12960.2	12941.4	12935.6	12952.0
3°	12397.6	12466.9	12464.6	12446.9	12418.7
4°	11711.7	11683.5	11726.9	11722.2	11674.1
5°	10792.0	10772.0	10827.2	10800.2	10806.1
6°	9666.7	9753.6	9734.8	9737.2	9759.5
7°	8458.1	8505.1	8545.0	8577.9	8532.1
8°	7348.1	7336.4	7339.9	7377.5	7250.6
9°	6105.4	6178.2	6131.3	6056.1	6104.2
10°	4976.7	5021.3	5021.3	4955.5	4957.9
11°	3967.7	4004.1	3978.3	3994.7	3891.4
12°	3198.4	3107.9	3086.8	3103.2	3102.0
13°	2441.9	2447.8	2441.9	2440.8	2429.0
14°	1914.6	1945.1	1932.2	1900.5	1886.4
15°	1532.8	1545.7	1545.7	1523.4	1536.3
17.5°	920.9	936.1	939.7	924.4	924.4
20°	590.8	597.9	614.3	592.0	572.0
22.5°	364.1	379.4	407.6	374.7	358.2
25°	230.2	251.4	278.4	246.7	222.0
27.5°	144.5	162.1	185.6	155.0	139.8
30°	88.1	99.8	121.0	97.5	83.4
32.5°	49.3	58.7	76.3	56.4	47.0
35°	24.7	32.9	50.5	31.7	23.5
37.5°	14.1	17.6	31.7	15.3	12.9
40°	7.0	9.4	17.6	9.4	5.9
42.5°	2.3	4.7	7.0	4.7	2.3
45°	1.2	2.3	3.5	2.3	1.2
47.5°	0.0	0.0	1.2	0.0	0.0
50°	0.0	0.0	1.2	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)