

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: P1317577

Luminaire Tested: LDSQA3D17R159827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317577  
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: LDSQA3D17R159827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

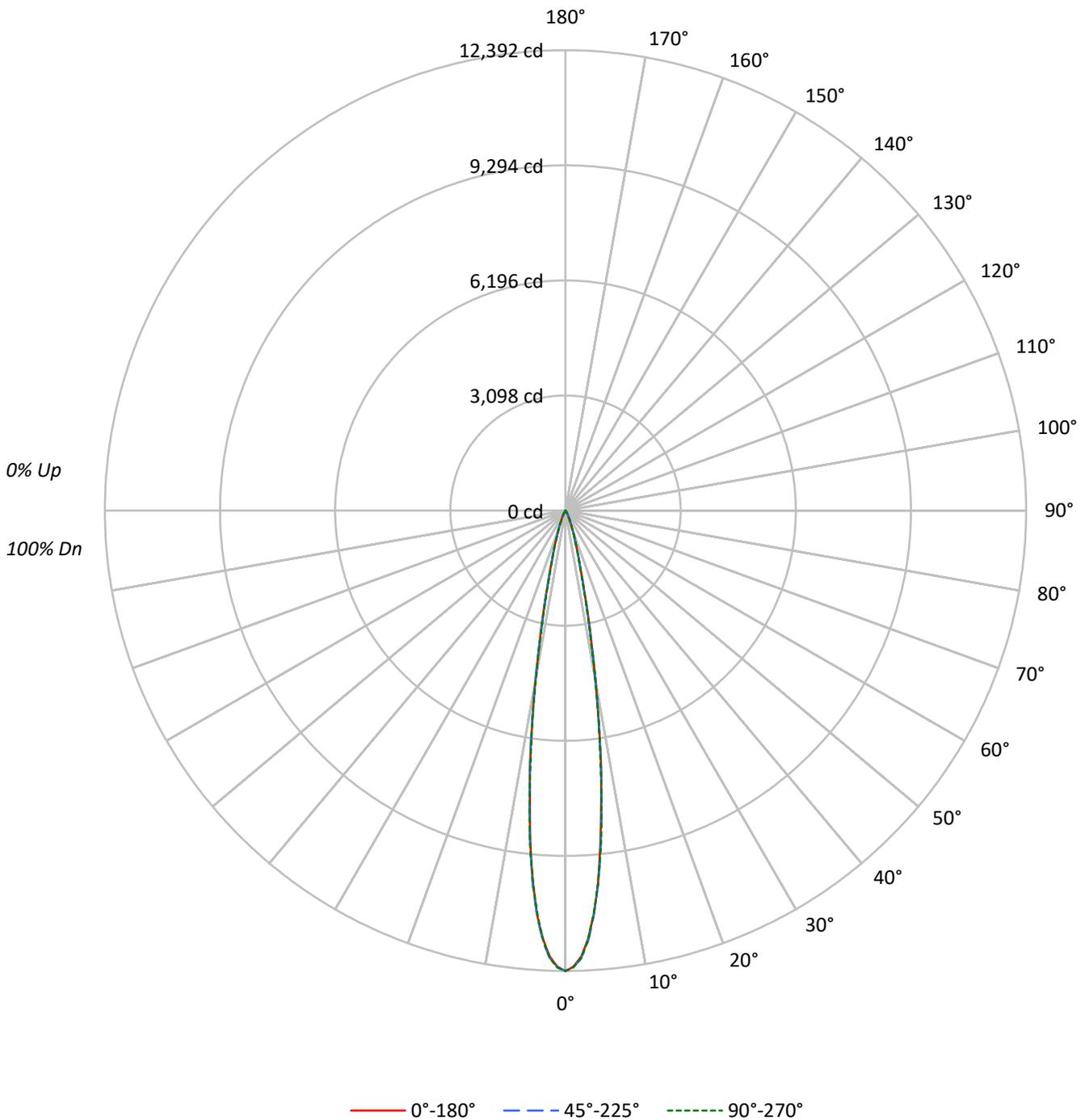
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1383.0 lumens  
Efficiency: N/A  
Efficacy: 67.8 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				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	91	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°	2134114	2134114	2134114
5°	1737570	1743241	1739835
10°	810531	817806	807471
15°	254520	256678	255109
20°	100838	104852	97631
25°	40742	49274	39279
30°	16307	22412	15452
35°	4836	9882	4604
40°	1484	3687	1237
45°	268	804	268
50°	0	295	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: 804 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	775.8	56.1
10°-20°	464.0	33.6
20°-30°	117.0	8.5
30°-40°	23.9	1.7
40°-50°	2.2	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°	1356.9	98.1
0°-40°	1380.7	99.8
0°-60°	1383.0	100.0
0°-90°	1383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12392	12392	12392	12392	12392	
5°	10051	10032	10084	10058	10064	774
15°	1428	1440	1440	1419	1431	464
25°	214	234	259	230	207	110
35°	23	31	47	30	22	19
45°	1	2	3	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°	12391.6	12391.6	12391.6	12391.6	12391.6
1°	12280.1	12321.6	12299.7	12317.2	12297.6
2°	12014.2	12070.0	12052.5	12047.1	12062.4
3°	11546.1	11610.6	11608.4	11592.0	11565.7
4°	10907.2	10881.0	10921.4	10917.1	10872.2
5°	10050.7	10032.1	10083.5	10058.4	10063.8
6°	9002.7	9083.7	9066.2	9068.4	9089.2
7°	7877.1	7920.9	7958.1	7988.7	7946.0
8°	6843.4	6832.5	6835.7	6870.7	6752.6
9°	5686.1	5753.9	5710.1	5640.1	5685.0
10°	4634.8	4676.4	4676.4	4615.1	4617.3
11°	3695.2	3729.1	3705.0	3720.3	3624.1
12°	2978.7	2894.4	2874.8	2890.1	2889.0
13°	2274.2	2279.7	2274.2	2273.1	2262.2
14°	1783.0	1811.5	1799.5	1769.9	1756.8
15°	1427.5	1439.6	1439.6	1418.8	1430.8
17.5°	857.6	871.8	875.1	860.9	860.9
20°	550.2	556.8	572.1	551.3	532.7
22.5°	339.1	353.3	379.6	349.0	333.6
25°	214.4	234.1	259.3	229.7	206.7
27.5°	134.5	151.0	172.8	144.4	130.2
30°	82.0	93.0	112.7	90.8	77.7
32.5°	45.9	54.7	71.1	52.5	43.8
35°	23.0	30.6	47.0	29.5	21.9
37.5°	13.1	16.4	29.5	14.2	12.0
40°	6.6	8.8	16.4	8.8	5.5
42.5°	2.2	4.4	6.6	4.4	2.2
45°	1.1	2.2	3.3	2.2	1.1
47.5°	0.0	0.0	1.1	0.0	0.0
50°	0.0	0.0	1.1	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)