

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: P1316992

Luminaire Tested: LDSQA3D02R159827DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

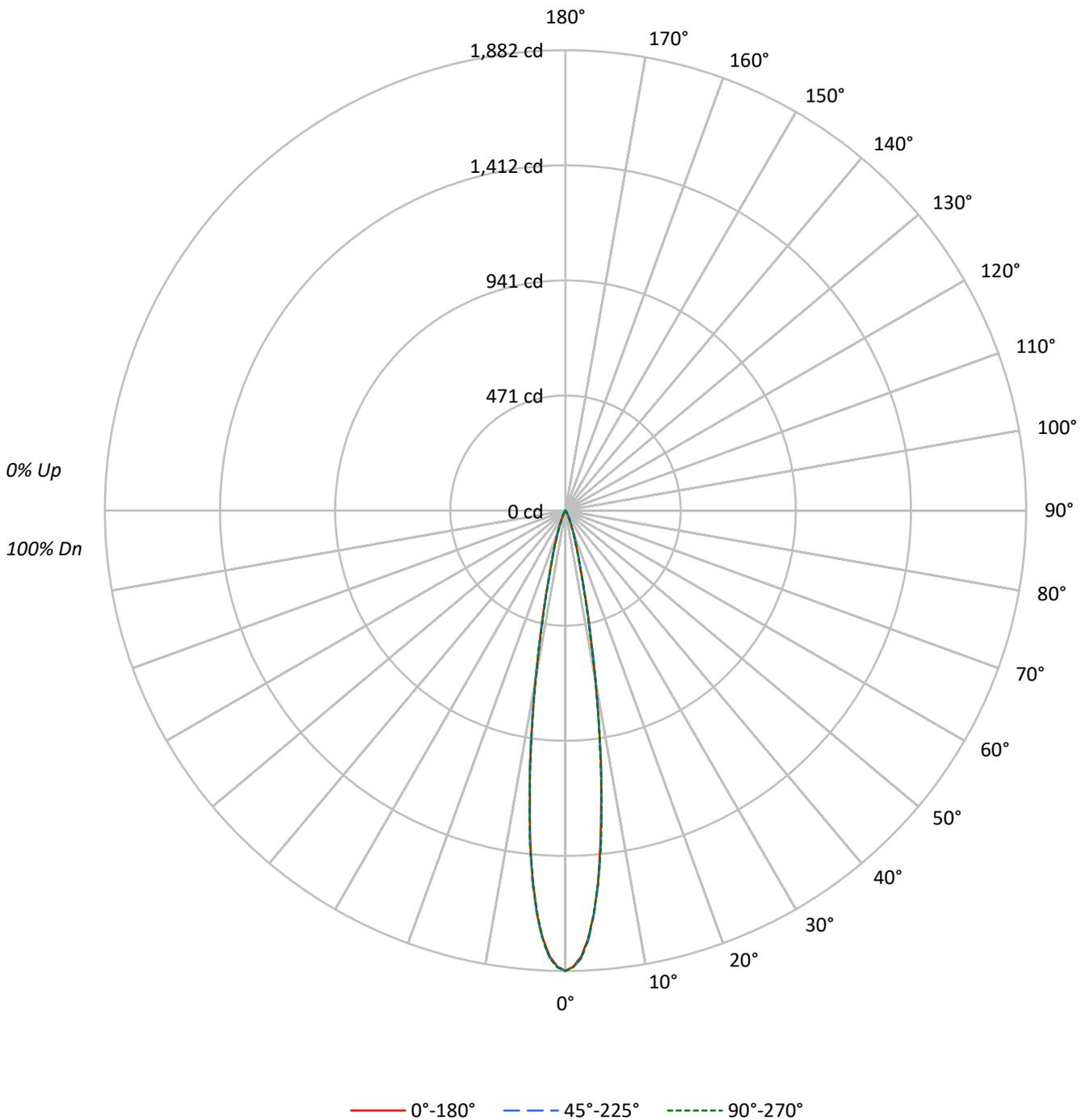
Test Method: LM-79-2019  
Report Number: P1316992  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159827DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 210.0 lumens  
Efficiency: N/A  
Efficacy: 58.3 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): 3.6  
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	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	91	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	89	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	324054	324054	324054
5°	263833	264697	264179
10°	123080	124182	122608
15°	38655	38976	38744
20°	15304	15927	14827
25°	6195	7487	5967
30°	2486	3401	2347
35°	736	1493	694
40°	225	562	180
45°	49	122	49
50°	0	54	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: 122 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.8	56.1
10°-20°	70.5	33.6
20°-30°	17.8	8.5
30°-40°	3.6	1.7
40°-50°	0.3	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°	206.0	98.1
0°-40°	209.7	99.8
0°-60°	210.0	100.0
0°-90°	210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1882	1882	1882	1882	1882	
5°	1526	1523	1531	1527	1528	117
15°	217	219	219	215	217	70
25°	33	36	39	35	31	17
35°	4	5	7	4	3	3
45°	0	0	0	0	0	0
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°	1881.6	1881.6	1881.6	1881.6	1881.6
1°	1864.7	1871.0	1867.6	1870.3	1867.3
2°	1824.3	1832.8	1830.1	1829.3	1831.6
3°	1753.2	1763.0	1762.7	1760.2	1756.2
4°	1656.2	1652.2	1658.4	1657.7	1650.9
5°	1526.1	1523.3	1531.1	1527.3	1528.1
6°	1367.0	1379.3	1376.6	1377.0	1380.1
7°	1196.1	1202.7	1208.4	1213.0	1206.6
8°	1039.1	1037.5	1038.0	1043.3	1025.3
9°	863.4	873.7	867.0	856.4	863.2
10°	703.8	710.1	710.1	700.8	701.1
11°	561.1	566.2	562.6	564.9	550.3
12°	452.3	439.5	436.5	438.8	438.7
13°	345.3	346.2	345.3	345.2	343.5
14°	270.7	275.1	273.2	268.8	266.8
15°	216.8	218.6	218.6	215.4	217.3
17.5°	130.2	132.4	132.9	130.7	130.7
20°	83.5	84.5	86.9	83.7	80.9
22.5°	51.5	53.7	57.6	53.0	50.7
25°	32.6	35.5	39.4	34.9	31.4
27.5°	20.4	22.9	26.2	21.9	19.8
30°	12.5	14.1	17.1	13.8	11.8
32.5°	7.0	8.3	10.8	8.0	6.6
35°	3.5	4.7	7.1	4.5	3.3
37.5°	2.0	2.5	4.5	2.2	1.8
40°	1.0	1.3	2.5	1.3	0.8
42.5°	0.3	0.7	1.0	0.7	0.3
45°	0.2	0.3	0.5	0.3	0.2
47.5°	0.0	0.0	0.2	0.0	0.0
50°	0.0	0.0	0.2	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)