

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: P1316652

Luminaire Tested: LDSQA3D13R559740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316652  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559740DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

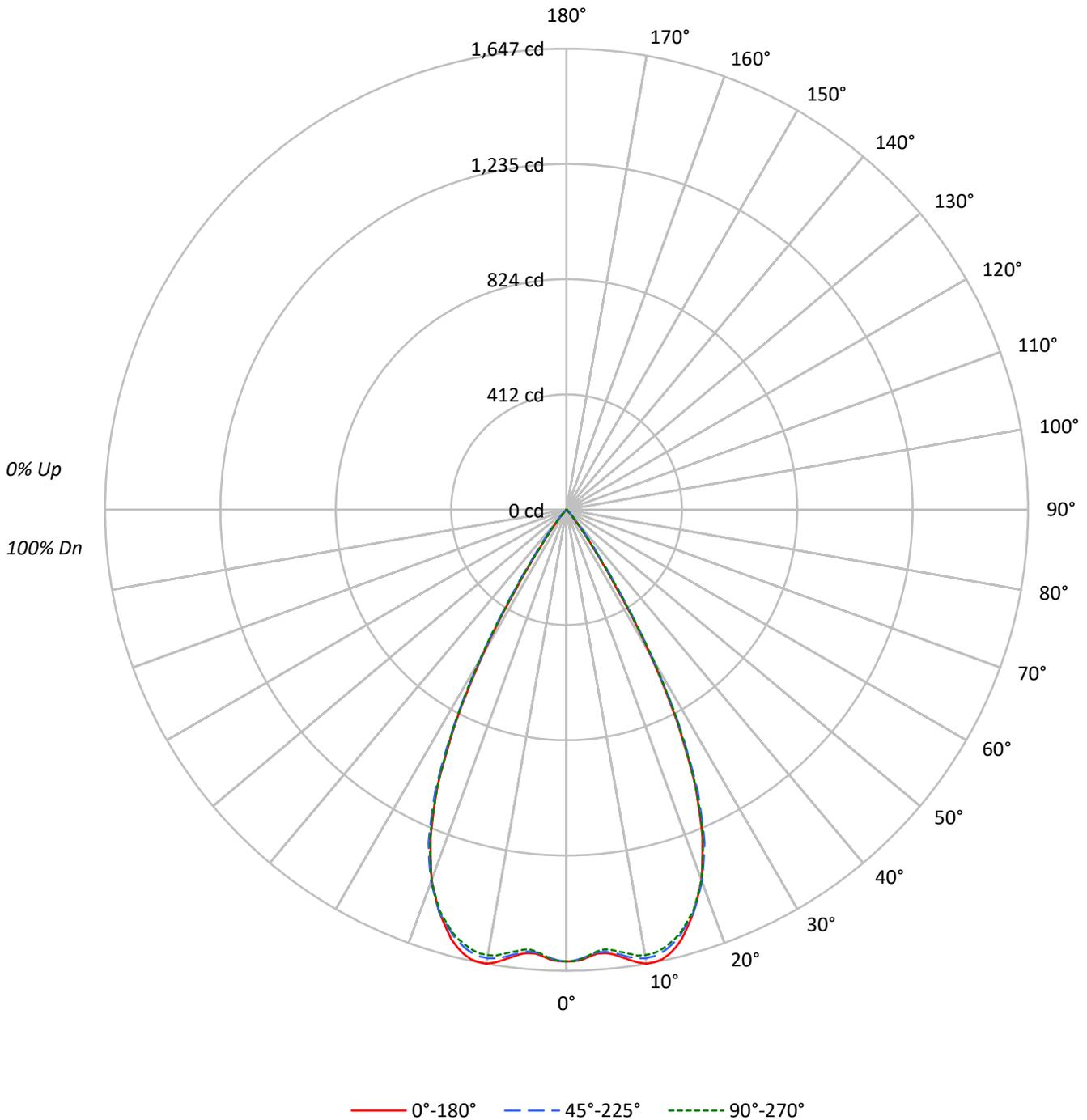
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1227.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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

TEST NUMBER: P1316652  
CATALOG NUMBER: LDSQA3D13R559740DE010 3LSQCDR1MB

### Luminous Intensity Polar Plot





TEST NUMBER: P1316652  
 CATALOG NUMBER: LDSQA3D13R559740DE010 3LSQCDR1MB

**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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	277950	277950	277950
5°	274776	273964	272494
10°	288009	284546	282570
15°	283226	280195	279197
20°	257979	259005	258144
25°	206958	210188	206958
30°	118782	121785	122720
35°	33870	40809	34859
40°	8678	12500	8903
45°	926	4360	682
50°	0	750	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: 4360 cd/sqm



TEST NUMBER: P1316652

CATALOG NUMBER: LDSQA3D13R559740DE010 3LSQCDR1MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.2	12.5
10°-20°	437.3	35.6
20°-30°	481.6	39.3
30°-40°	143.8	11.7
40°-50°	11.0	0.9
50°-60°	0.1	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°	1072.1	87.4
0°-40°	1215.9	99.1
0°-60°	1227.0	100.0
0°-90°	1227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1589	1587	1585	1578	1576	154
15°	1588	1577	1572	1565	1566	440
25°	1089	1089	1106	1104	1089	477
35°	161	172	194	177	166	133
45°	4	9	18	9	3	7
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



TEST NUMBER: P1316652  
 CATALOG NUMBER: LDSQA3D13R559740DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1613.9	1613.9	1613.9	1613.9	1613.9
1°	1613.0	1613.0	1611.1	1610.2	1613.0
2°	1608.3	1608.3	1603.6	1602.6	1605.4
3°	1597.9	1597.0	1593.2	1590.4	1592.3
4°	1589.4	1587.5	1584.7	1580.0	1581.0
5°	1589.4	1586.6	1584.7	1578.1	1576.2
6°	1597.0	1595.1	1591.3	1584.7	1582.8
7°	1610.2	1606.4	1602.6	1594.1	1592.3
8°	1624.3	1621.5	1613.9	1605.4	1601.7
9°	1638.4	1631.8	1622.4	1613.9	1613.0
10°	1646.9	1637.5	1627.1	1616.8	1615.8
11°	1646.0	1637.5	1625.2	1615.8	1614.9
12°	1642.2	1629.9	1619.6	1608.3	1609.2
13°	1629.0	1617.7	1607.3	1598.9	1597.0
14°	1611.1	1600.7	1591.3	1582.8	1583.8
15°	1588.5	1577.2	1571.5	1564.9	1565.9
17.5°	1508.4	1505.6	1508.4	1500.9	1503.7
20°	1407.6	1404.8	1413.2	1409.5	1408.5
22.5°	1267.2	1271.0	1287.0	1282.3	1273.8
25°	1089.1	1089.1	1106.1	1104.2	1089.1
27.5°	857.4	864.0	874.3	879.0	867.7
30°	597.3	612.4	612.4	621.8	617.1
32.5°	333.5	365.6	373.1	377.8	359.0
35°	161.1	171.5	194.1	177.1	165.8
37.5°	77.3	82.0	104.6	84.8	79.1
40°	38.6	44.3	55.6	46.2	39.6
42.5°	16.0	23.6	29.2	23.6	16.0
45°	3.8	9.4	17.9	9.4	2.8
47.5°	0.0	0.9	8.5	1.9	0.0
50°	0.0	0.0	2.8	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



TEST NUMBER: P1316652  
CATALOG NUMBER: LDSQA3D13R559740DE010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)