

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: P1309306

Luminaire Tested: LDSQA3D13R559030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309306  
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: LDSQA3D13R559030DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

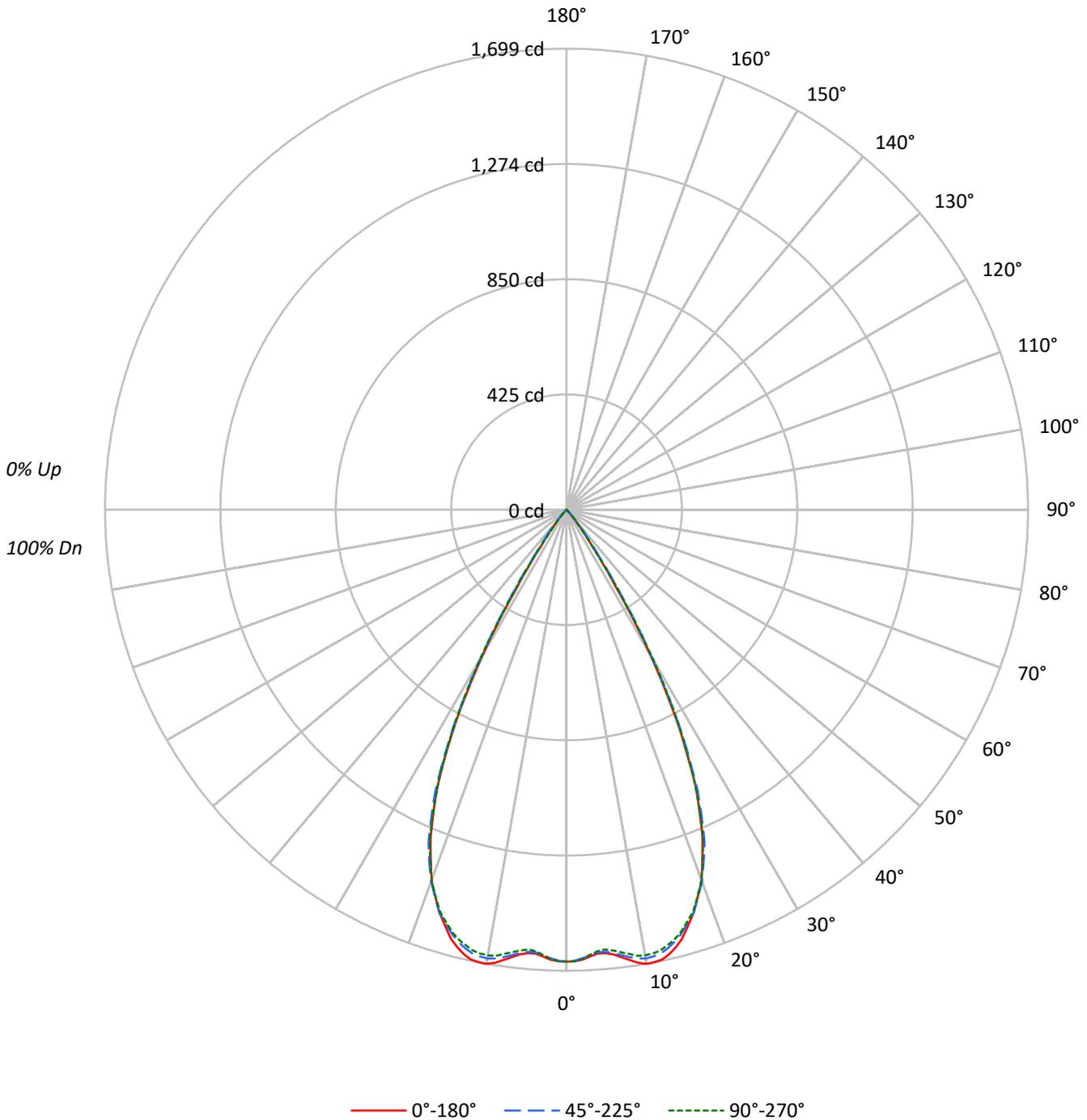
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1266.0 lumens  
Efficiency: N/A  
Efficacy: 86.7 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

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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	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°	286785	286785	286785
5°	283524	282677	281156
10°	297173	293588	291559
15°	292230	289110	288058
20°	266171	267252	266354
25°	213552	216877	213552
30°	122561	125663	126618
35°	34943	42112	35973
40°	8970	12905	9173
45°	950	4506	706
50°	0	777	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: 4506 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.1	12.5
10°-20°	451.2	35.6
20°-30°	496.9	39.3
30°-40°	148.3	11.7
40°-50°	11.4	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°	1106.2	87.4
0°-40°	1254.5	99.1
0°-60°	1266.0	100.0
0°-90°	1266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1266.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1665	1665	1665	1665	1665	
5°	1640	1637	1635	1628	1626	159
15°	1639	1627	1622	1615	1616	454
25°	1124	1124	1141	1139	1124	492
35°	166	177	200	183	171	137
45°	4	10	18	10	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1665.2	1665.2	1665.2	1665.2	1665.2
1°	1664.3	1664.3	1662.3	1661.3	1664.3
2°	1659.4	1659.4	1654.5	1653.6	1656.5
3°	1648.7	1647.7	1643.8	1640.9	1642.9
4°	1640.0	1638.0	1635.1	1630.2	1631.2
5°	1640.0	1637.0	1635.1	1628.3	1626.3
6°	1647.7	1645.8	1641.9	1635.1	1633.1
7°	1661.3	1657.5	1653.6	1644.8	1642.9
8°	1675.9	1673.0	1665.2	1656.5	1652.6
9°	1690.5	1683.7	1674.0	1665.2	1664.3
10°	1699.3	1689.5	1678.8	1668.1	1667.2
11°	1698.3	1689.5	1676.9	1667.2	1666.2
12°	1694.4	1681.8	1671.1	1659.4	1660.4
13°	1680.8	1669.1	1658.4	1649.7	1647.7
14°	1662.3	1651.6	1641.9	1633.1	1634.1
15°	1639.0	1627.3	1621.5	1614.7	1615.6
17.5°	1556.4	1553.4	1556.4	1548.6	1551.5
20°	1452.3	1449.4	1458.2	1454.3	1453.3
22.5°	1307.5	1311.4	1327.9	1323.0	1314.3
25°	1123.8	1123.8	1141.3	1139.3	1123.8
27.5°	884.6	891.4	902.1	907.0	895.3
30°	616.3	631.9	631.9	641.6	636.7
32.5°	344.1	377.2	385.0	389.8	370.4
35°	166.2	176.9	200.3	182.8	171.1
37.5°	79.7	84.6	107.9	87.5	81.7
40°	39.9	45.7	57.4	47.6	40.8
42.5°	16.5	24.3	30.1	24.3	16.5
45°	3.9	9.7	18.5	9.7	2.9
47.5°	0.0	1.0	8.7	1.9	0.0
50°	0.0	0.0	2.9	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)