

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: P1310423

Luminaire Tested: LDSQA3D13R559035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310423  
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: LDSQA3D13R559035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

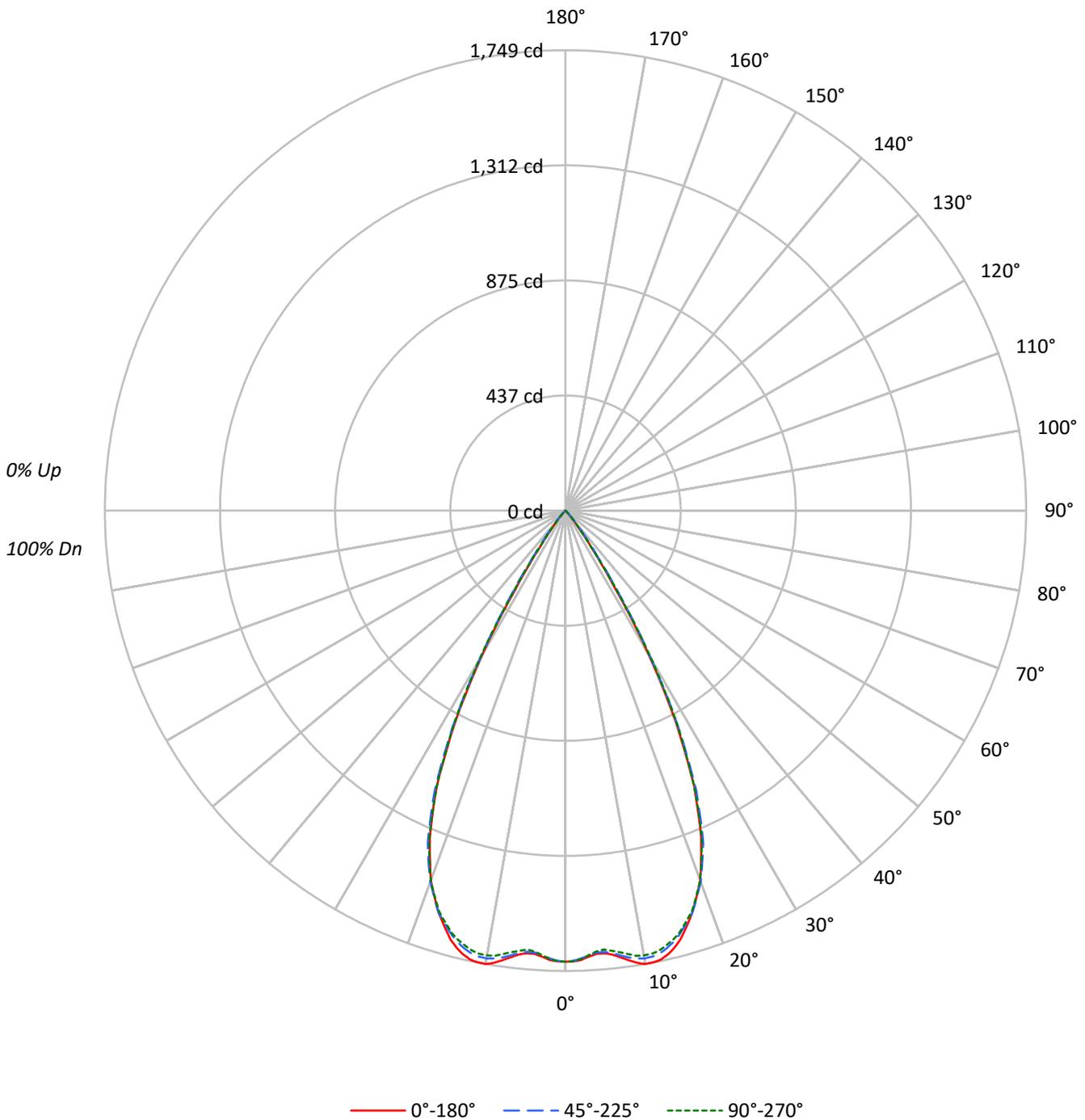
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1303.0 lumens  
Efficiency: N/A  
Efficacy: 89.2 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

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

	0°	45°	90°
0°	295172	295172	295172
5°	291805	290941	289385
10°	305847	302174	300076
15°	300771	297562	296492
20°	273960	275060	274144
25°	219785	223205	219785
30°	126140	129322	130317
35°	35973	43331	37024
40°	9218	13264	9442
45°	974	4628	731
50°	0	804	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: 4628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	12.5
10°-20°	464.4	35.6
20°-30°	511.4	39.3
30°-40°	152.7	11.7
40°-50°	11.7	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°	1138.5	87.4
0°-40°	1291.2	99.1
0°-60°	1303.0	100.0
0°-90°	1303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1303.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1714	1714	1714	1714	1714	
5°	1688	1685	1683	1676	1674	164
15°	1687	1675	1669	1662	1663	468
25°	1157	1157	1175	1173	1157	506
35°	171	182	206	188	176	141
45°	4	10	19	10	3	8
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°	1713.9	1713.9	1713.9	1713.9	1713.9
1°	1712.9	1712.9	1710.9	1709.9	1712.9
2°	1707.9	1707.9	1702.9	1701.9	1704.9
3°	1696.9	1695.9	1691.9	1688.9	1690.9
4°	1687.9	1685.9	1682.9	1677.9	1678.9
5°	1687.9	1684.9	1682.9	1675.9	1673.9
6°	1695.9	1693.9	1689.9	1682.9	1680.9
7°	1709.9	1705.9	1701.9	1692.9	1690.9
8°	1724.9	1721.9	1713.9	1704.9	1700.9
9°	1739.9	1732.9	1722.9	1713.9	1712.9
10°	1748.9	1738.9	1727.9	1716.9	1715.9
11°	1747.9	1738.9	1725.9	1715.9	1714.9
12°	1743.9	1730.9	1719.9	1707.9	1708.9
13°	1729.9	1717.9	1706.9	1697.9	1695.9
14°	1710.9	1699.9	1689.9	1680.9	1681.9
15°	1686.9	1674.9	1668.9	1661.9	1662.9
17.5°	1601.8	1598.8	1601.8	1593.8	1596.8
20°	1494.8	1491.8	1500.8	1496.8	1495.8
22.5°	1345.7	1349.7	1366.7	1361.7	1352.7
25°	1156.6	1156.6	1174.6	1172.6	1156.6
27.5°	910.5	917.5	928.5	933.5	921.5
30°	634.3	650.3	650.3	660.3	655.3
32.5°	354.2	388.2	396.2	401.2	381.2
35°	171.1	182.1	206.1	188.1	176.1
37.5°	82.0	87.0	111.1	90.0	84.0
40°	41.0	47.0	59.0	49.0	42.0
42.5°	17.0	25.0	31.0	25.0	17.0
45°	4.0	10.0	19.0	10.0	3.0
47.5°	0.0	1.0	9.0	2.0	0.0
50°	0.0	0.0	3.0	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)