

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: P1310425

Luminaire Tested: LDSQA3D13R559035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

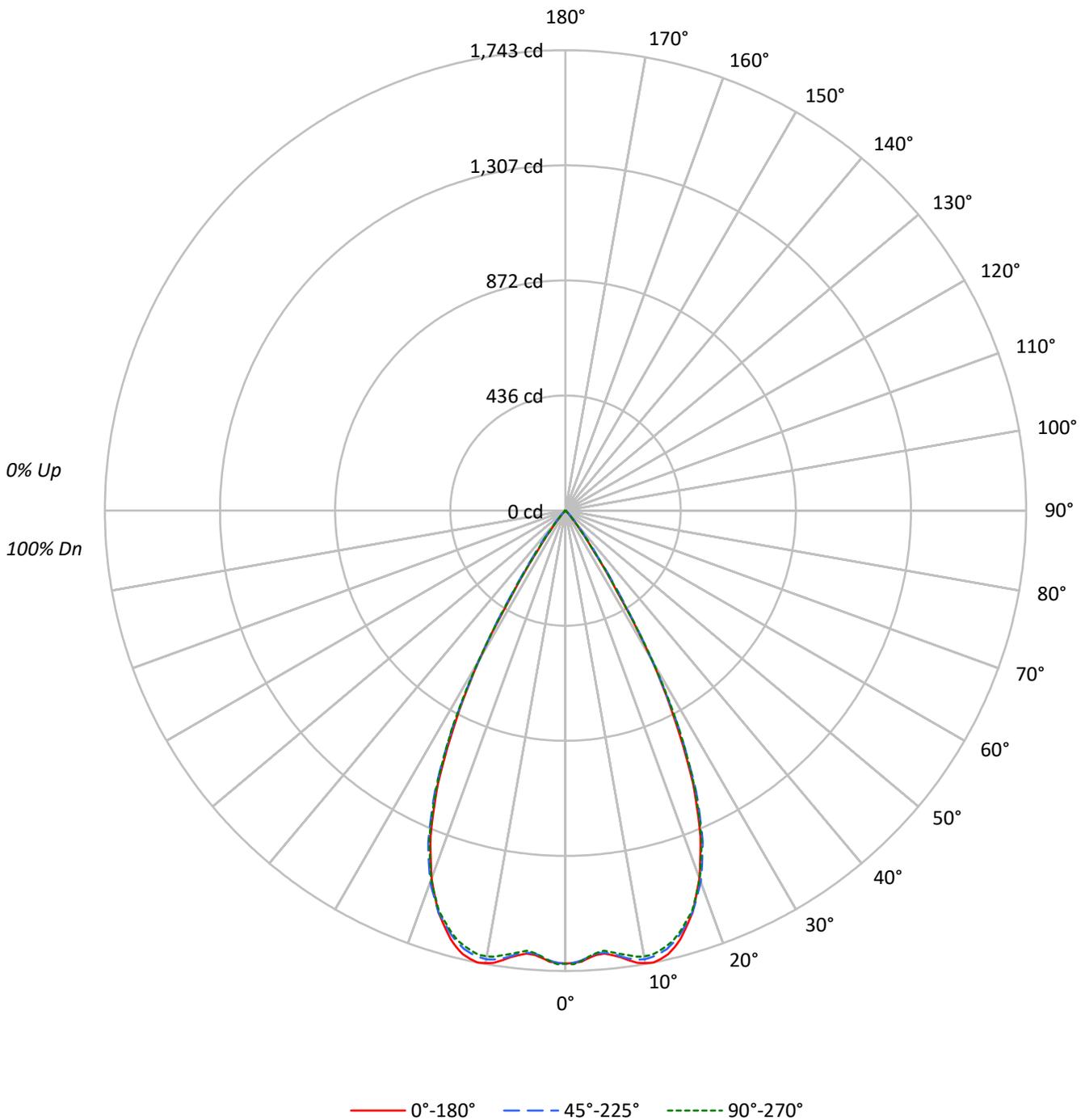
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1315.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
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 (A<sub>in</sub>): 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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	295327	295327	295327
5°	291096	290578	289195
10°	304255	301632	299708
15°	299505	296831	295582
20°	271578	274327	272311
25°	217181	221742	219652
30°	130237	130237	131828
35°	37634	44572	38895
40°	10791	14613	10791
45°	2436	5602	2436
50°	1072	1876	804
55°	901	901	901
60°	1033	1033	1033
65°	815	815	815
70°	1007	1007	1007
75°	665	665	665
80°	992	992	992
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5602 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.6	12.4
10°-20°	463.4	35.2
20°-30°	510.6	38.8
30°-40°	156.2	11.9
40°-50°	15.4	1.2
50°-60°	2.9	0.2
60°-70°	2.3	0.2
70°-80°	1.3	0.1
80°-90°	0.4	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°	1136.6	86.4
0°-40°	1292.8	98.3
0°-60°	1311.1	99.7
0°-90°	1315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1684	1684	1681	1676	1673	163
15°	1680	1677	1665	1658	1658	466
25°	1143	1154	1167	1178	1156	504
35°	179	188	212	195	185	147
45°	10	15	23	15	10	12
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	1714.8	1714.8	1714.8	1714.8	1714.8
1°	1712.8	1713.8	1712.8	1710.8	1717.8
2°	1708.8	1707.8	1704.8	1703.8	1706.8
3°	1695.8	1695.8	1691.8	1689.8	1690.8
4°	1685.8	1685.8	1679.8	1677.8	1678.8
5°	1683.8	1683.8	1680.8	1675.8	1672.8
6°	1691.8	1693.8	1686.8	1681.8	1681.8
7°	1703.8	1704.8	1699.8	1692.8	1690.8
8°	1718.8	1719.8	1711.8	1703.8	1699.8
9°	1733.8	1731.8	1720.8	1712.8	1709.8
10°	1739.8	1738.8	1724.8	1716.8	1713.8
11°	1742.8	1737.8	1721.8	1714.8	1713.8
12°	1735.8	1731.8	1714.8	1707.8	1704.8
13°	1723.8	1717.8	1703.8	1696.8	1692.8
14°	1704.8	1698.8	1685.8	1677.8	1678.8
15°	1679.8	1676.8	1664.8	1657.8	1657.8
17.5°	1596.8	1598.8	1595.8	1592.8	1590.8
20°	1481.8	1489.8	1496.8	1492.8	1485.8
22.5°	1334.8	1348.8	1356.8	1358.8	1345.8
25°	1142.9	1153.9	1166.9	1177.9	1155.9
27.5°	903.9	913.9	925.9	932.9	929.9
30°	654.9	655.9	654.9	667.9	662.9
32.5°	364.0	394.0	399.0	408.0	376.0
35°	179.0	188.0	212.0	195.0	185.0
37.5°	86.0	92.0	115.0	94.0	90.0
40°	48.0	52.0	65.0	54.0	48.0
42.5°	23.0	30.0	35.0	31.0	23.0
45°	10.0	15.0	23.0	15.0	10.0
47.5°	4.0	6.0	14.0	6.0	4.0
50°	4.0	3.0	7.0	3.0	3.0
52.5°	3.0	3.0	4.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	2.0	3.0	3.0	3.0	2.0
65°	2.0	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.0	2.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
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)