

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: P1315681

Luminaire Tested: LDSQA3D13R559735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315681  
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: LDSQA3D13R559735DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

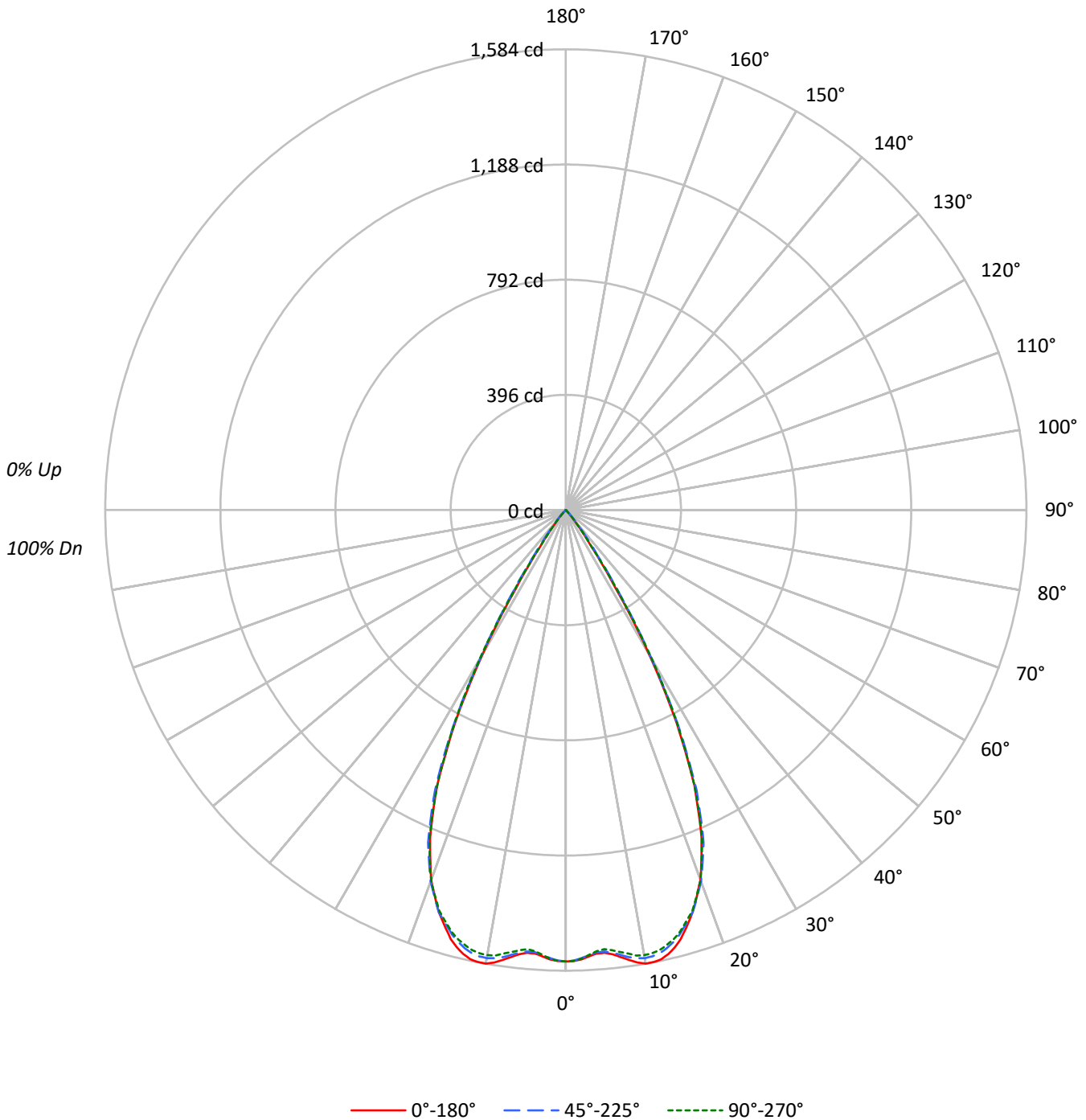
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1180.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 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°	267307	267307	267307
5°	264248	263470	262070
10°	276974	273651	271745
15°	272368	269462	268499
20°	248100	249090	248265
25°	199034	202131	199034
30°	114248	117112	118027
35°	32567	39253	33534
40°	8341	12028	8566
45°	877	4189	658
50°	0	723	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: 4189 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.4	12.5
10°-20°	420.5	35.6
20°-30°	463.2	39.3
30°-40°	138.3	11.7
40°-50°	10.6	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°	1031.0	87.4
0°-40°	1169.3	99.1
0°-60°	1180.0	100.0
0°-90°	1180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1552	1552	1552	1552	1552	
5°	1528	1526	1524	1518	1516	148
15°	1528	1517	1511	1505	1506	423
25°	1047	1047	1064	1062	1047	459
35°	155	165	187	170	160	128
45°	4	9	17	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1552.1	1552.1	1552.1	1552.1	1552.1
1°	1551.2	1551.2	1549.4	1548.5	1551.2
2°	1546.7	1546.7	1542.1	1541.2	1544.0
3°	1536.7	1535.8	1532.2	1529.5	1531.3
4°	1528.5	1526.7	1524.0	1519.5	1520.4
5°	1528.5	1525.8	1524.0	1517.7	1515.9
6°	1535.8	1534.0	1530.4	1524.0	1522.2
7°	1548.5	1544.9	1541.2	1533.1	1531.3
8°	1562.1	1559.4	1552.1	1544.0	1540.3
9°	1575.7	1569.3	1560.3	1552.1	1551.2
10°	1583.8	1574.8	1564.8	1554.8	1553.9
11°	1582.9	1574.8	1563.0	1553.9	1553.0
12°	1579.3	1567.5	1557.5	1546.7	1547.6
13°	1566.6	1555.7	1545.8	1537.6	1535.8
14°	1549.4	1539.4	1530.4	1522.2	1523.1
15°	1527.6	1516.8	1511.3	1505.0	1505.9
17.5°	1450.6	1447.9	1450.6	1443.4	1446.1
20°	1353.7	1351.0	1359.1	1355.5	1354.6
22.5°	1218.7	1222.3	1237.7	1233.2	1225.0
25°	1047.4	1047.4	1063.7	1061.9	1047.4
27.5°	824.5	830.9	840.8	845.4	834.5
30°	574.5	588.9	588.9	598.0	593.5
32.5°	320.8	351.6	358.8	363.3	345.2
35°	154.9	164.9	186.7	170.3	159.5
37.5°	74.3	78.8	100.6	81.5	76.1
40°	37.1	42.6	53.5	44.4	38.1
42.5°	15.4	22.7	28.1	22.7	15.4
45°	3.6	9.1	17.2	9.1	2.7
47.5°	0.0	0.9	8.2	1.8	0.0
50°	0.0	0.0	2.7	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)