

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: P1316654

Luminaire Tested: LDSQA3D13R559740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316654  
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: LDSQA3D13R559740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

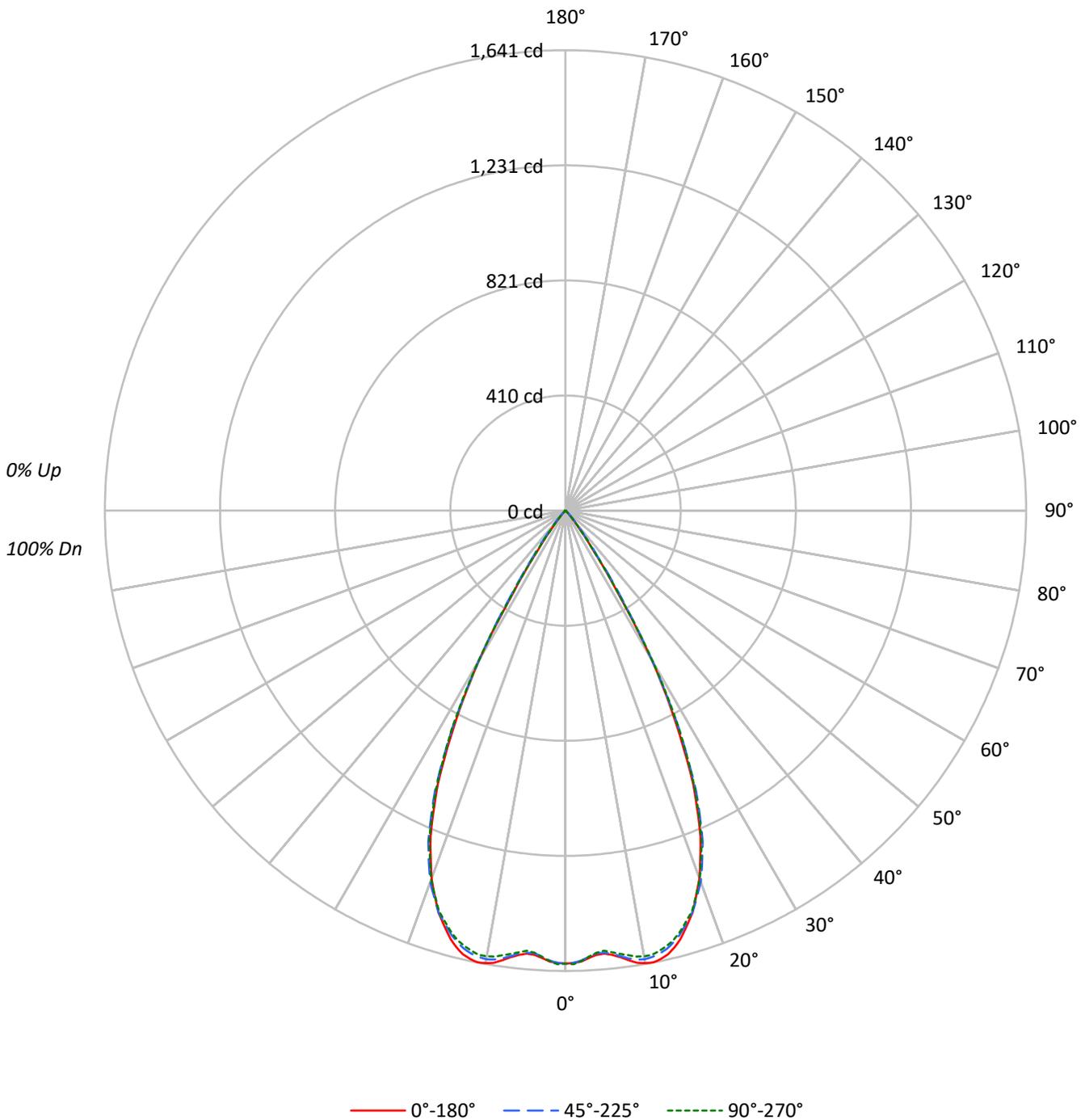
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1237.9 lumens  
Efficiency: N/A  
Efficacy: 84.8 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 (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				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°	278036	278036	278036
5°	274050	273566	272252
10°	286435	283969	282151
15°	281960	279446	278270
20°	255688	258272	256366
25°	204450	208744	206787
30°	122621	122621	124112
35°	35426	41965	36604
40°	10162	13759	10162
45°	2289	5285	2289
50°	1018	1768	750
55°	841	841	841
60°	964	964	964
65°	774	774	774
70°	957	957	957
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5285 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.1	12.4
10°-20°	436.3	35.2
20°-30°	480.7	38.8
30°-40°	147.0	11.9
40°-50°	14.5	1.2
50°-60°	2.7	0.2
60°-70°	2.2	0.2
70°-80°	1.1	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°	1070.0	86.4
0°-40°	1217.1	98.3
0°-60°	1234.3	99.7
0°-90°	1237.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1614	1614	1614	1614	1614	
5°	1585	1585	1582	1578	1575	154
15°	1581	1579	1567	1561	1561	438
25°	1076	1086	1098	1109	1088	474
35°	168	177	200	184	174	138
45°	9	14	22	14	9	11
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°	1614.4	1614.4	1614.4	1614.4	1614.4
1°	1612.5	1613.4	1612.5	1610.6	1617.2
2°	1608.7	1607.8	1605.0	1604.0	1606.9
3°	1596.5	1596.5	1592.7	1590.9	1591.8
4°	1587.1	1587.1	1581.4	1579.6	1580.5
5°	1585.2	1585.2	1582.4	1577.7	1574.8
6°	1592.7	1594.6	1588.0	1583.3	1583.3
7°	1604.0	1605.0	1600.3	1593.7	1591.8
8°	1618.1	1619.1	1611.6	1604.0	1600.3
9°	1632.3	1630.4	1620.0	1612.5	1609.7
10°	1637.9	1637.0	1623.8	1616.3	1613.4
11°	1640.7	1636.0	1621.0	1614.4	1613.4
12°	1634.2	1630.4	1614.4	1607.8	1605.0
13°	1622.9	1617.2	1604.0	1597.4	1593.7
14°	1605.0	1599.3	1587.1	1579.6	1580.5
15°	1581.4	1578.6	1567.3	1560.7	1560.7
17.5°	1503.3	1505.2	1502.4	1499.5	1497.7
20°	1395.1	1402.6	1409.2	1405.4	1398.8
22.5°	1256.7	1269.9	1277.4	1279.3	1267.0
25°	1075.9	1086.3	1098.5	1108.9	1088.2
27.5°	851.0	860.4	871.7	878.3	875.4
30°	616.6	617.5	616.6	628.8	624.1
32.5°	342.6	370.9	375.6	384.1	353.9
35°	168.5	177.0	199.6	183.6	174.1
37.5°	81.0	86.6	108.3	88.5	84.7
40°	45.2	48.9	61.2	50.8	45.2
42.5°	21.7	28.2	32.9	29.2	21.7
45°	9.4	14.1	21.7	14.1	9.4
47.5°	3.8	5.6	13.2	5.6	3.8
50°	3.8	2.8	6.6	2.8	2.8
52.5°	2.8	2.8	3.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	1.9	2.8	2.8	2.8	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.9	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9
72.5°	0.9	1.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
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)