

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: P1314710

Luminaire Tested: LDSQA3D13R559730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314710
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: LDSQA3D13R559730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

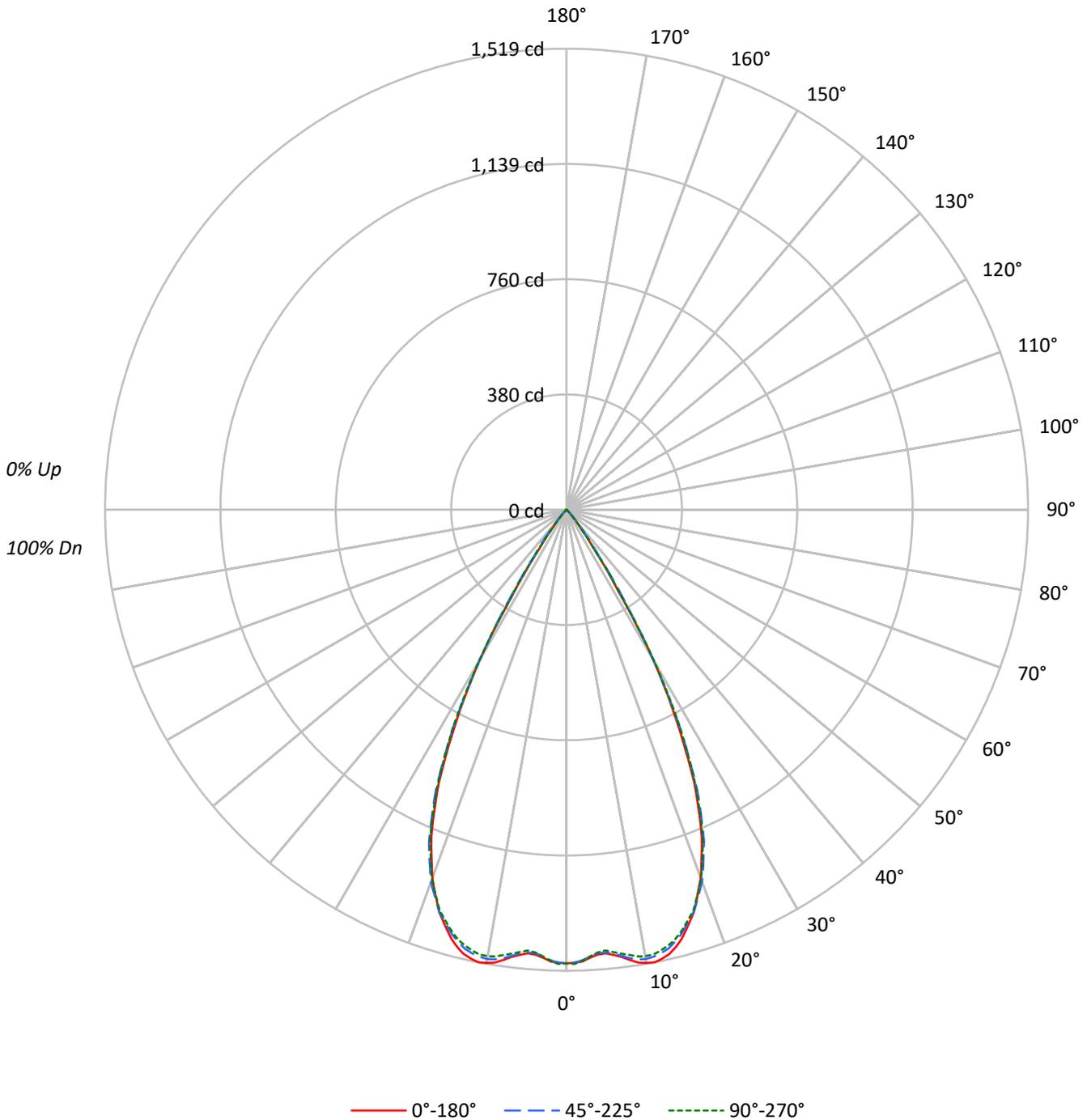
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1146.0 lumens
Efficiency: N/A
Efficacy: 78.5 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_{in}): 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

TEST NUMBER: P1314710
CATALOG NUMBER: LDSQA3D13R559730DE010 3LSQCDR1MW

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°	257370	257370	257370
5°	253685	253235	252025
10°	265152	262861	261182
15°	261010	258675	257587
20°	236682	239083	237323
25°	189267	193238	191414
30°	113512	113512	114885
35°	32798	38832	33891
40°	9398	12725	9398
45°	2119	4871	2119
50°	938	1634	697
55°	781	781	781
60°	896	896	896
65°	693	693	693
70°	856	856	856
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4871 cd/sqm



TEST NUMBER: P1314710

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	12.4
10°-20°	403.9	35.2
20°-30°	445.0	38.8
30°-40°	136.1	11.9
40°-50°	13.5	1.2
50°-60°	2.5	0.2
60°-70°	2.0	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°	990.5	86.4
0°-40°	1126.6	98.3
0°-60°	1142.5	99.7
0°-90°	1146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1467	1467	1465	1460	1458	142
15°	1464	1461	1451	1445	1445	406
25°	996	1006	1017	1026	1007	439
35°	156	164	185	170	161	128
45°	9	13	20	13	9	10
55°	3	3	3	3	3	2
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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 CATALOG NUMBER: LDSQA3D13R559730DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1494.4	1494.4	1494.4	1494.4	1494.4
1°	1492.7	1493.5	1492.7	1490.9	1497.0
2°	1489.2	1488.3	1485.7	1484.8	1487.4
3°	1477.9	1477.9	1474.4	1472.6	1473.5
4°	1469.1	1469.1	1463.9	1462.2	1463.0
5°	1467.4	1467.4	1464.8	1460.4	1457.8
6°	1474.4	1476.1	1470.0	1465.7	1465.7
7°	1484.8	1485.7	1481.3	1475.2	1473.5
8°	1497.9	1498.8	1491.8	1484.8	1481.3
9°	1511.0	1509.2	1499.6	1492.7	1490.1
10°	1516.2	1515.3	1503.1	1496.2	1493.5
11°	1518.8	1514.5	1500.5	1494.4	1493.5
12°	1512.7	1509.2	1494.4	1488.3	1485.7
13°	1502.3	1497.0	1484.8	1478.7	1475.2
14°	1485.7	1480.5	1469.1	1462.2	1463.0
15°	1463.9	1461.3	1450.8	1444.7	1444.7
17.5°	1391.6	1393.3	1390.7	1388.1	1386.4
20°	1291.4	1298.4	1304.5	1301.0	1294.9
22.5°	1163.3	1175.5	1182.5	1184.2	1172.9
25°	996.0	1005.6	1016.9	1026.5	1007.3
27.5°	787.7	796.4	806.9	813.0	810.4
30°	570.8	571.6	570.8	582.1	577.7
32.5°	317.2	343.3	347.7	355.5	327.6
35°	156.0	163.8	184.7	169.9	161.2
37.5°	74.9	80.2	100.2	81.9	78.4
40°	41.8	45.3	56.6	47.1	41.8
42.5°	20.0	26.1	30.5	27.0	20.0
45°	8.7	13.1	20.0	13.1	8.7
47.5°	3.5	5.2	12.2	5.2	3.5
50°	3.5	2.6	6.1	2.6	2.6
52.5°	2.6	2.6	3.5	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	1.7	2.6	2.6	2.6	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	0.9	1.7	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



TEST NUMBER: P1314710
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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)