

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: P1313552

Luminaire Tested: LDSQA3D09R459727DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459727DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

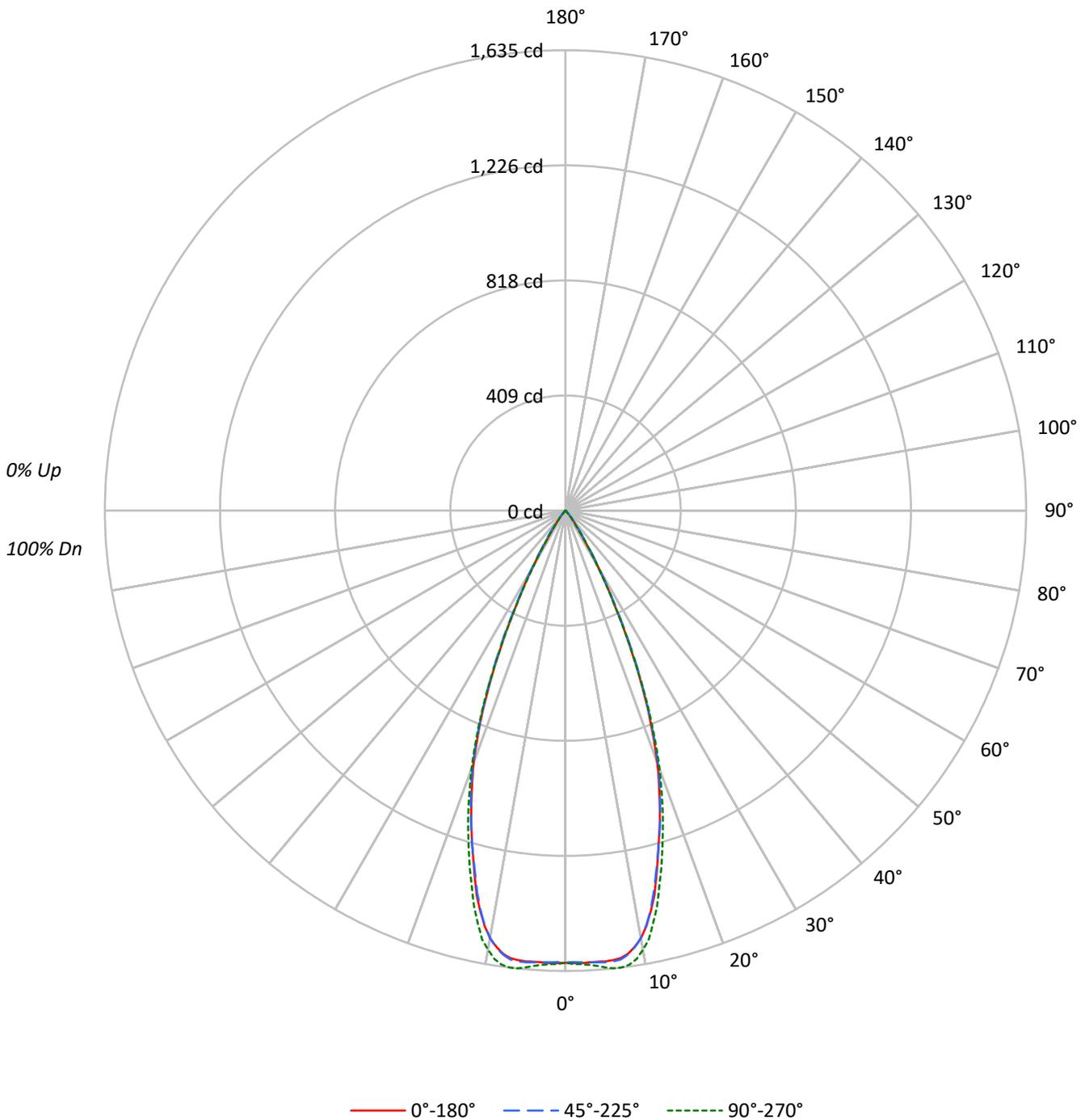
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 830.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

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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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	276521	276521	276521
5°	277888	278424	281605
10°	269647	269437	276939
15°	225993	225868	234177
20°	174698	176494	178969
25°	107099	109303	107327
30°	45918	48006	44466
35°	14423	17387	14044
40°	4969	6340	4811
45°	901	2679	755
50°	482	991	482
55°	540	540	540
60°	413	413	413
65°	489	489	489
70°	302	302	302
75°	399	399	399
80°	595	595	595
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	18.4
10°-20°	352.6	42.4
20°-30°	258.2	31.1
30°-40°	57.0	6.9
40°-50°	7.0	0.8
50°-60°	1.6	0.2
60°-70°	1.2	0.1
70°-80°	0.7	0.1
80°-90°	0.1	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°	763.4	91.9
0°-40°	820.4	98.7
0°-60°	829.0	99.8
0°-90°	830.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	830.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1607	1606	1610	1622	1629	152
15°	1268	1261	1267	1298	1313	350
25°	564	563	575	571	565	255
35°	69	72	83	72	67	54
45°	4	6	11	6	3	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	1605.6	1605.6	1605.6	1605.6	1605.6
1°	1606.8	1604.4	1603.8	1608.1	1611.1
2°	1608.1	1605.0	1605.6	1609.9	1611.7
3°	1606.8	1603.8	1606.8	1613.0	1615.4
4°	1606.2	1605.0	1608.1	1616.6	1620.9
5°	1607.4	1606.2	1610.5	1622.1	1628.9
6°	1605.6	1603.8	1609.9	1624.6	1634.4
7°	1601.3	1599.5	1606.2	1624.0	1635.0
8°	1589.7	1586.0	1592.7	1614.8	1628.3
9°	1568.8	1563.9	1570.7	1596.4	1612.3
10°	1541.9	1536.4	1540.7	1565.8	1583.6
11°	1503.3	1496.0	1500.9	1527.8	1551.1
12°	1454.3	1443.9	1450.0	1480.6	1497.2
13°	1401.0	1391.2	1392.4	1420.0	1443.3
14°	1334.8	1322.0	1327.5	1356.3	1374.7
15°	1267.5	1260.7	1266.8	1297.5	1313.4
17.5°	1113.1	1112.5	1118.0	1140.6	1149.2
20°	953.2	955.0	963.0	975.2	976.5
22.5°	763.9	764.5	773.1	781.7	779.8
25°	563.6	563.0	575.2	570.9	564.8
27.5°	373.7	376.1	387.2	379.2	373.1
30°	230.9	235.8	241.4	231.6	223.6
32.5°	125.0	132.9	140.9	132.3	124.4
35°	68.6	72.3	82.7	72.3	66.8
37.5°	39.8	41.7	48.4	41.7	38.0
40°	22.1	25.1	28.2	25.1	21.4
42.5°	9.2	14.1	17.2	14.1	9.2
45°	3.7	6.1	11.0	6.1	3.1
47.5°	1.8	2.5	6.7	2.5	1.8
50°	1.8	1.8	3.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.2	1.2	1.2	1.8	1.2
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	0.6	0.6	0.6	1.2	0.6
72.5°	0.6	0.6	0.6	0.6	0.6
75°	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6
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)