

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: P1313551

Luminaire Tested: LDSQA3D09R459727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

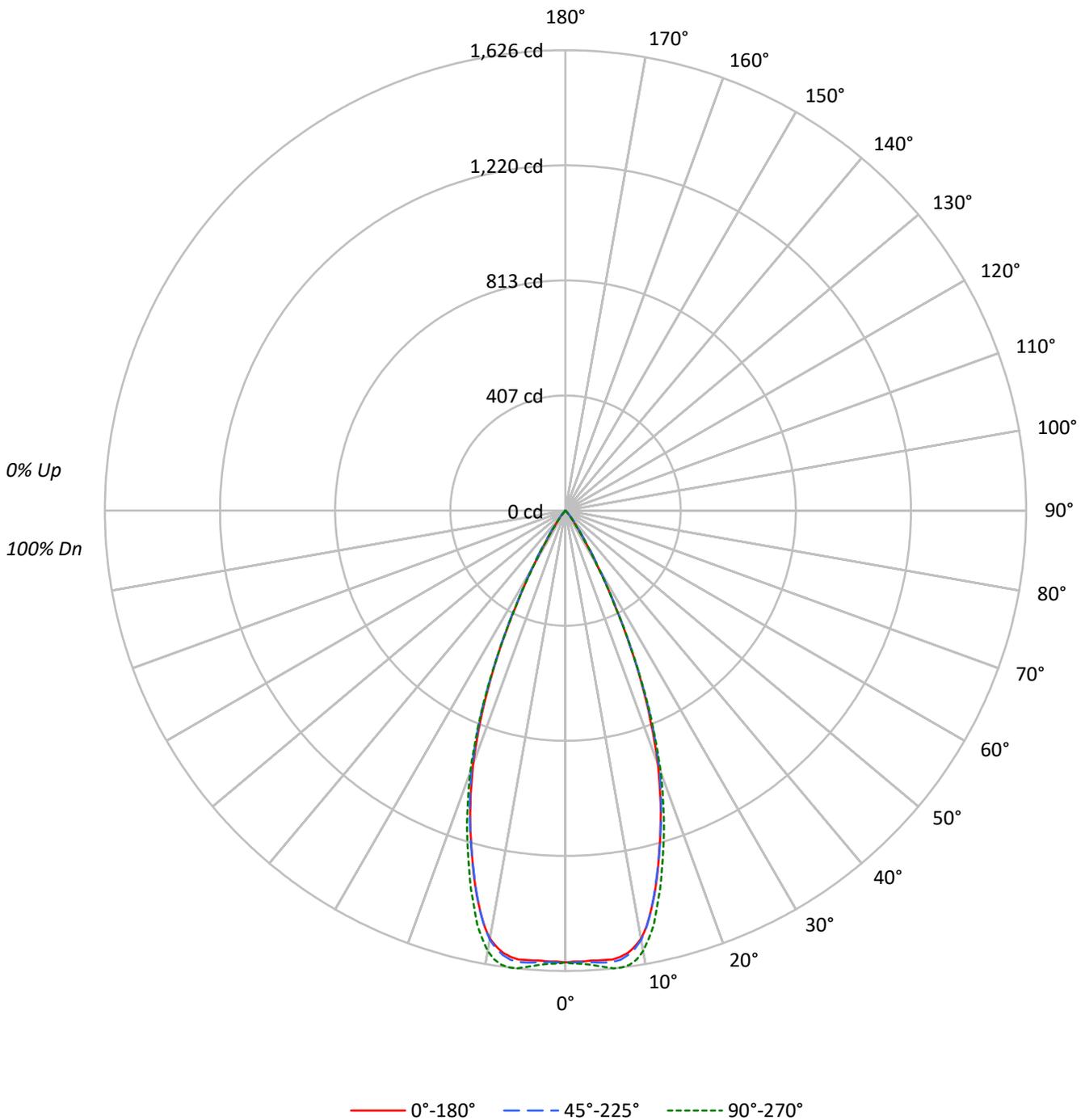
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 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 (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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	274816	274816	274816
5°	275433	277024	279790
10°	268545	269087	276152
15°	226563	226670	234105
20°	174881	177356	180288
25°	108486	108619	109303
30°	44765	47569	44029
35°	13918	17009	13414
40°	4272	5935	4002
45°	292	2241	292
50°	0	322	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: 2241 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	18.4
10°-20°	353.1	42.8
20°-30°	259.0	31.4
30°-40°	55.7	6.7
40°-50°	5.3	0.6
50°-60°	0.0	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°	764.0	92.6
0°-40°	819.7	99.4
0°-60°	825.0	100.0
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1593	1598	1602	1614	1618	151
15°	1271	1268	1271	1292	1313	350
25°	571	569	572	572	575	256
35°	66	71	81	69	64	52
45°	1	4	9	4	1	3
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°	1595.7	1595.7	1595.7	1595.7	1595.7
1°	1592.6	1596.3	1596.3	1598.8	1600.0
2°	1593.9	1596.3	1595.7	1600.0	1601.8
3°	1592.0	1596.3	1597.5	1602.4	1605.5
4°	1592.6	1596.3	1600.0	1607.3	1611.6
5°	1593.2	1597.5	1602.4	1613.5	1618.4
6°	1593.9	1596.9	1602.4	1616.5	1625.7
7°	1587.7	1592.0	1598.1	1615.9	1625.7
8°	1577.9	1580.4	1585.3	1608.6	1620.2
9°	1559.5	1558.9	1566.3	1592.0	1605.5
10°	1535.6	1528.2	1538.7	1564.4	1579.1
11°	1497.0	1489.0	1498.2	1525.8	1539.9
12°	1446.7	1446.7	1448.5	1473.0	1497.6
13°	1393.3	1387.2	1390.9	1418.5	1435.6
14°	1334.4	1328.3	1332.0	1352.8	1379.8
15°	1270.7	1268.2	1271.3	1291.5	1313.0
17.5°	1119.2	1113.7	1124.7	1145.0	1156.0
20°	954.2	963.4	967.7	980.6	983.7
22.5°	764.7	774.5	780.7	782.5	784.4
25°	570.9	569.1	571.6	571.6	575.2
27.5°	375.3	375.3	382.1	377.8	373.5
30°	225.1	234.3	239.2	231.2	221.4
32.5°	122.7	131.9	139.8	128.2	119.6
35°	66.2	71.1	80.9	69.3	63.8
37.5°	36.2	40.5	46.6	39.2	36.2
40°	19.0	23.3	26.4	23.3	17.8
42.5°	6.1	11.7	15.3	11.7	5.5
45°	1.2	3.7	9.2	3.7	1.2
47.5°	0.0	0.6	4.3	0.6	0.0
50°	0.0	0.0	1.2	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)