

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: P1326788

Luminaire Tested: LDSQA3D09R45W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326788
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: LDSQA3D09R45W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

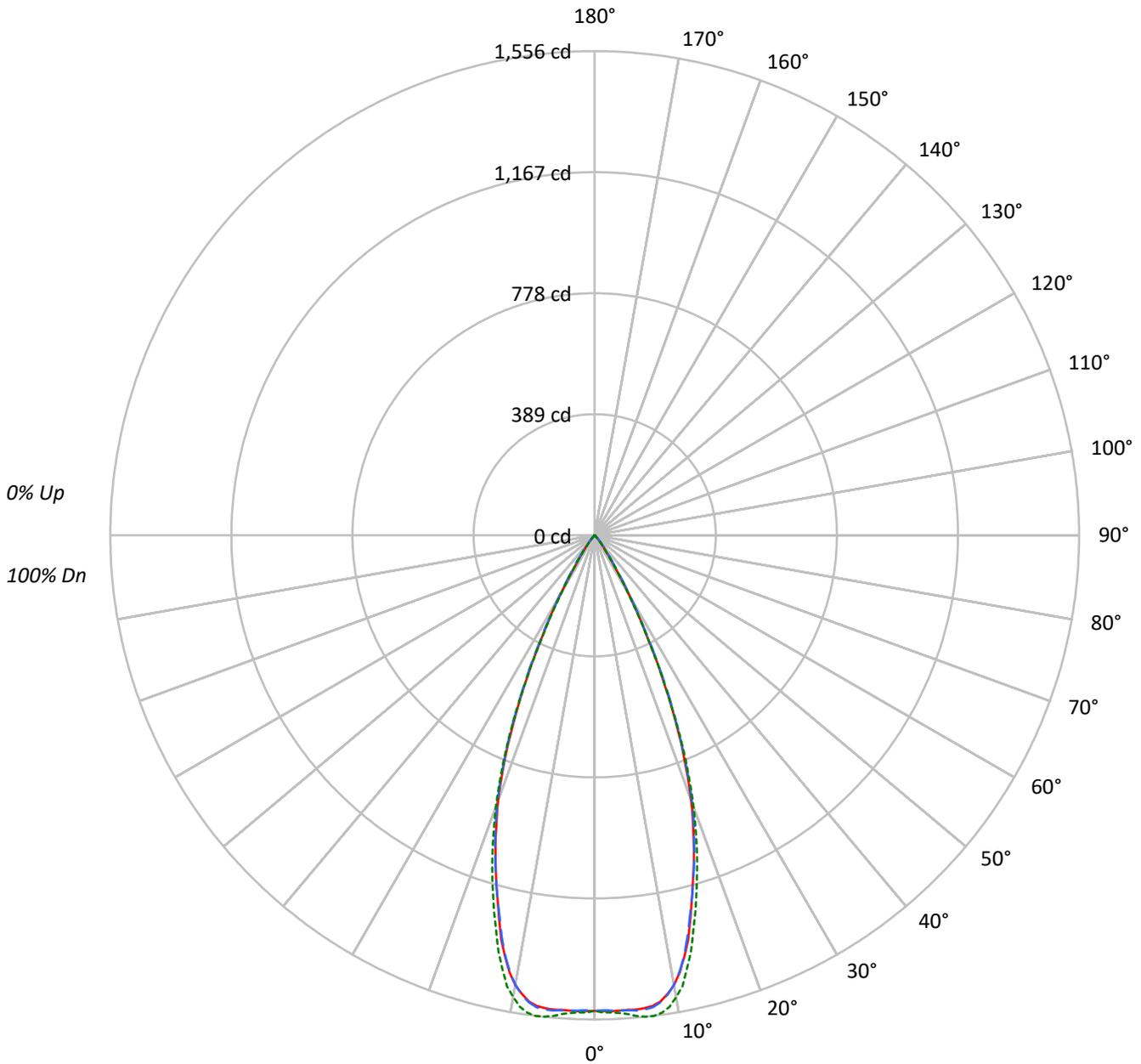
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 87.9 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): 9
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



— 0°-180° - - - 45°-225° - · - · 90°-270°



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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°	263208	263208	263208
5°	264524	265026	268051
10°	256671	256461	263596
15°	215099	215010	222908
20°	166286	167990	170355
25°	101949	104040	102158
30°	43711	45679	42319
35°	13729	16546	13372
40°	4721	6025	4586
45°	852	2557	706
50°	455	938	455
55°	510	510	510
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: 2557 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.3	18.4
10°-20°	335.6	42.4
20°-30°	245.7	31.1
30°-40°	54.3	6.9
40°-50°	6.6	0.8
50°-60°	1.5	0.2
60°-70°	1.1	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
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0°-30°	726.6	91.9
0°-40°	780.9	98.7
0°-60°	789.1	99.8
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1530	1529	1533	1544	1550	144
15°	1206	1200	1206	1235	1250	333
25°	536	536	548	544	538	243
35°	65	69	79	69	64	52
45°	4	6	10	6	3	5
55°	2	2	2	2	2	1
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°	1528.3	1528.3	1528.3	1528.3	1528.3
1°	1529.5	1527.2	1526.6	1530.7	1533.6
2°	1530.7	1527.7	1528.3	1532.4	1534.2
3°	1529.5	1526.6	1529.5	1535.3	1537.6
4°	1528.9	1527.7	1530.7	1538.8	1542.9
5°	1530.1	1528.9	1533.0	1544.1	1550.5
6°	1528.3	1526.6	1532.4	1546.4	1555.7
7°	1524.2	1522.5	1528.9	1545.8	1556.3
8°	1513.2	1509.7	1516.1	1537.1	1549.9
9°	1493.3	1488.7	1495.1	1519.6	1534.7
10°	1467.7	1462.4	1466.5	1490.4	1507.3
11°	1430.9	1423.9	1428.6	1454.3	1476.4
12°	1384.3	1374.4	1380.2	1409.4	1425.1
13°	1333.6	1324.2	1325.4	1351.6	1373.8
14°	1270.6	1258.3	1263.6	1291.0	1308.5
15°	1206.4	1200.0	1205.9	1235.0	1250.2
17.5°	1059.5	1058.9	1064.2	1085.7	1093.9
20°	907.3	909.1	916.6	928.3	929.5
22.5°	727.1	727.7	735.9	744.0	742.3
25°	536.5	535.9	547.5	543.5	537.6
27.5°	355.7	358.0	368.5	360.9	355.1
30°	219.8	224.5	229.7	220.4	212.8
32.5°	119.0	126.5	134.1	126.0	118.4
35°	65.3	68.8	78.7	68.8	63.6
37.5°	37.9	39.7	46.1	39.7	36.2
40°	21.0	23.9	26.8	23.9	20.4
42.5°	8.7	13.4	16.3	13.4	8.7
45°	3.5	5.8	10.5	5.8	2.9
47.5°	1.7	2.3	6.4	2.3	1.7
50°	1.7	1.7	3.5	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.2	1.2	1.2	1.7	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)