

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: P1326791

Luminaire Tested: LDSQA3D09R45W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326791
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

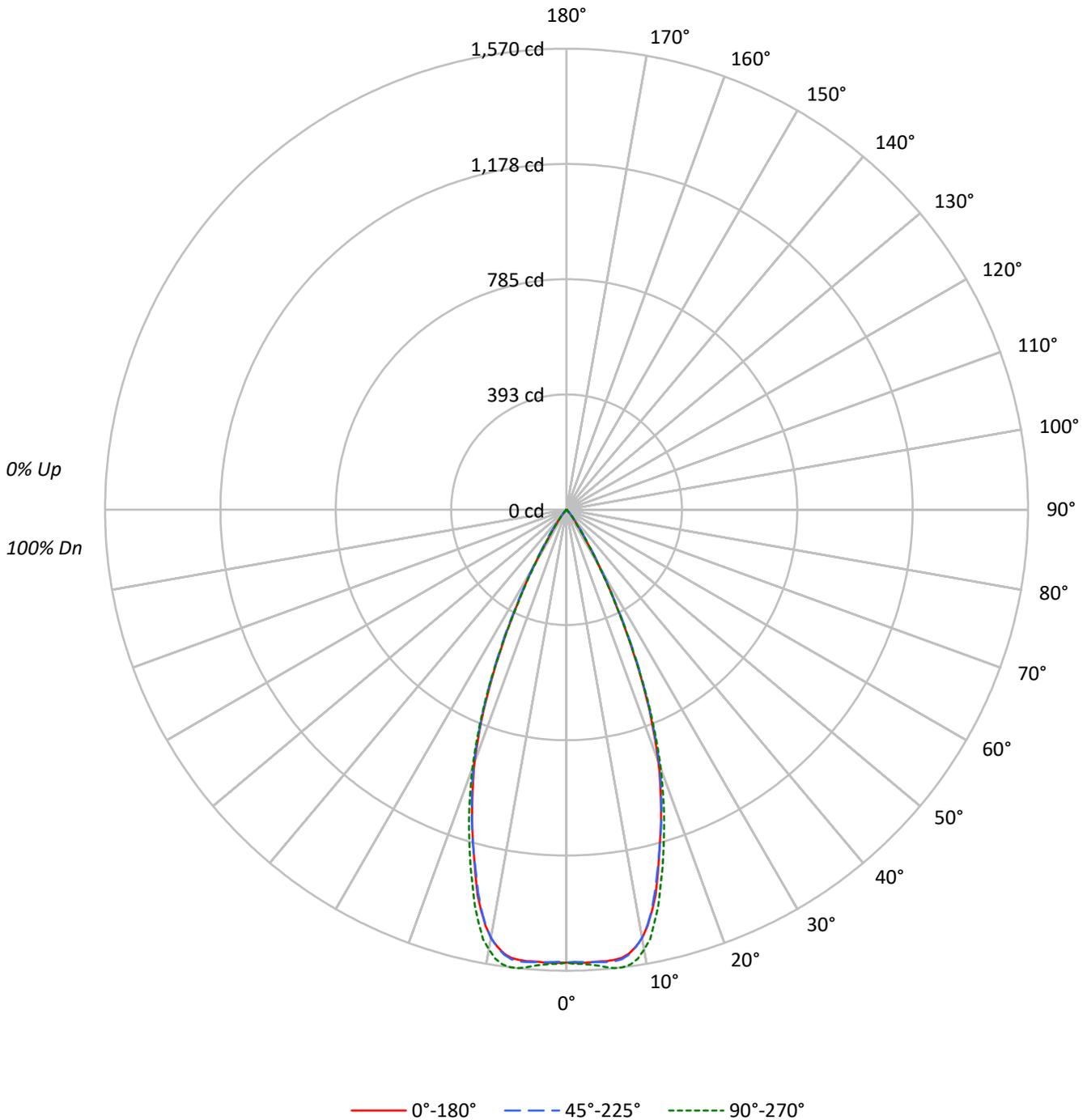
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 798.1 lumens
Efficiency: N/A
Efficacy: 88.7 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





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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	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	85	82	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	79	75	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	76	72	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	265533	265533	265533
5°	266858	267377	270420
10°	258944	258734	265939
15°	217006	216900	224869
20°	167752	169493	171857
25°	102842	104971	103070
30°	44108	46097	42696
35°	13855	16693	13477
40°	4766	6093	4631
45°	852	2582	706
50°	482	938	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: 2582 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	18.4
10°-20°	338.6	42.4
20°-30°	247.9	31.1
30°-40°	54.8	6.9
40°-50°	6.7	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°	733.1	91.9
0°-40°	787.9	98.7
0°-60°	796.2	99.8
0°-90°	798.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1544	1542	1547	1558	1564	146
15°	1217	1211	1216	1246	1261	336
25°	541	541	552	548	542	245
35°	66	69	79	69	64	52
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°	1541.8	1541.8	1541.8	1541.8	1541.8
1°	1543.0	1540.7	1540.1	1544.2	1547.1
2°	1544.2	1541.3	1541.8	1546.0	1547.7
3°	1543.0	1540.1	1543.0	1548.9	1551.3
4°	1542.4	1541.3	1544.2	1552.4	1556.6
5°	1543.6	1542.4	1546.6	1557.7	1564.2
6°	1541.8	1540.1	1546.0	1560.1	1569.5
7°	1537.7	1536.0	1542.4	1559.5	1570.1
8°	1526.6	1523.0	1529.5	1550.7	1563.6
9°	1506.5	1501.8	1508.3	1533.0	1548.3
10°	1480.7	1475.4	1479.5	1503.6	1520.7
11°	1443.6	1436.5	1441.3	1467.1	1489.5
12°	1396.5	1386.5	1392.4	1421.8	1437.7
13°	1345.4	1336.0	1337.1	1363.6	1386.0
14°	1281.8	1269.5	1274.8	1302.4	1320.1
15°	1217.1	1210.7	1216.5	1245.9	1261.2
17.5°	1068.9	1068.3	1073.6	1095.4	1103.6
20°	915.3	917.1	924.8	936.5	937.7
22.5°	733.6	734.2	742.4	750.6	748.9
25°	541.2	540.6	552.4	548.3	542.4
27.5°	358.8	361.2	371.8	364.1	358.3
30°	221.8	226.5	231.8	222.4	214.7
32.5°	120.0	127.7	135.3	127.1	119.4
35°	65.9	69.4	79.4	69.4	64.1
37.5°	38.2	40.0	46.5	40.0	36.5
40°	21.2	24.1	27.1	24.1	20.6
42.5°	8.8	13.5	16.5	13.5	8.8
45°	3.5	5.9	10.6	5.9	2.9
47.5°	1.8	2.4	6.5	2.4	1.8
50°	1.8	1.8	3.5	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)