

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: P1326843

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326843
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: LDSQA3D09R45W2N902765DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

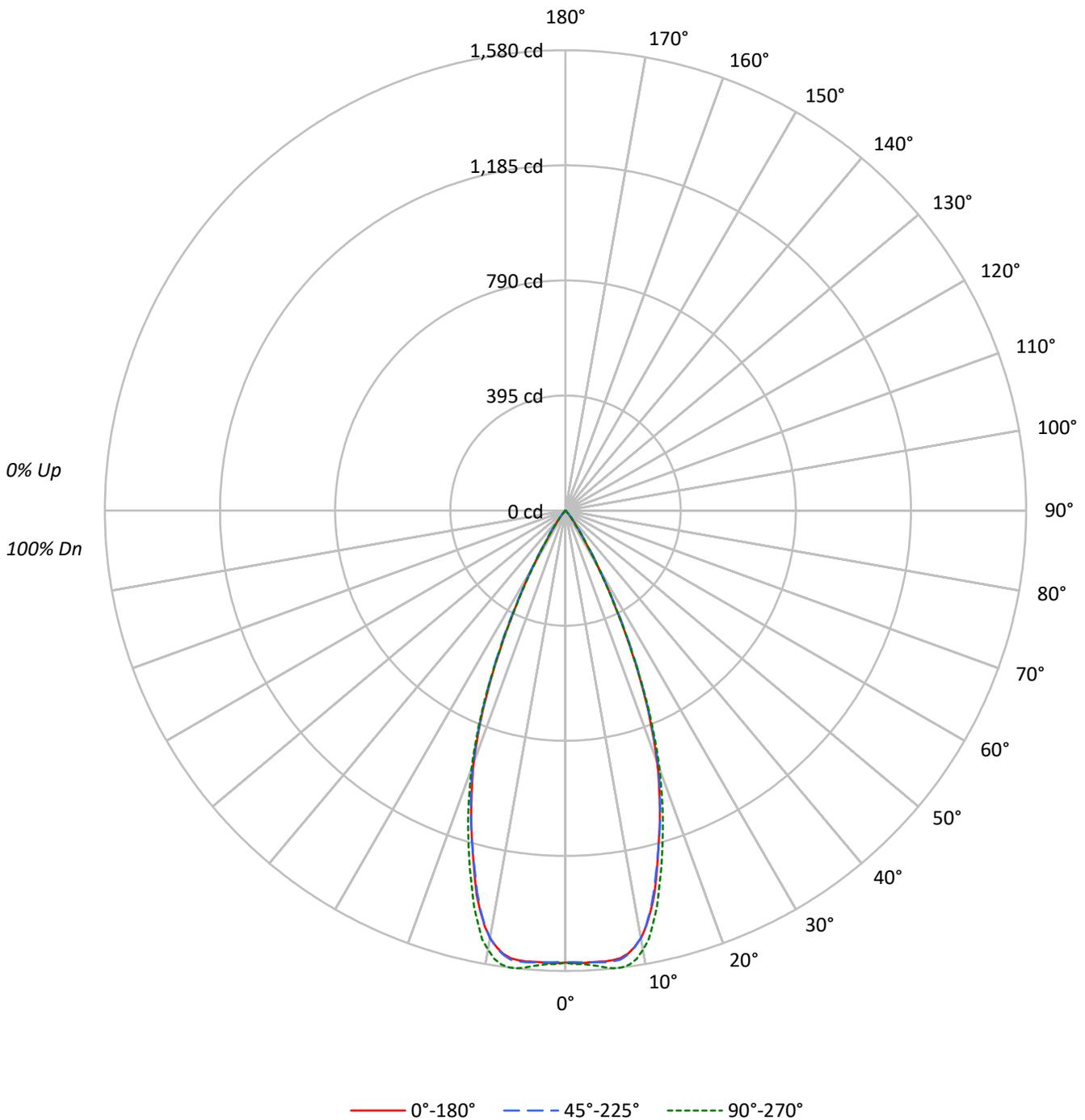
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 803.1 lumens
Efficiency: N/A
Efficacy: 89.2 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°	267203	267203	267203
5°	268535	269037	272114
10°	260553	260361	267601
15°	218362	218272	226278
20°	168815	170538	172939
25°	103489	105617	103717
30°	44387	46375	42975
35°	13939	16799	13561
40°	4789	6115	4654
45°	877	2606	731
50°	482	965	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: 2606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	18.4
10°-20°	340.7	42.4
20°-30°	249.5	31.1
30°-40°	55.1	6.9
40°-50°	6.8	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°	737.7	91.9
0°-40°	792.8	98.7
0°-60°	801.2	99.8
0°-90°	803.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1552	1552	1552	1552	1552	
5°	1553	1552	1556	1568	1574	147
15°	1225	1218	1224	1254	1269	338
25°	545	544	556	552	546	247
35°	66	70	80	70	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°	1551.5	1551.5	1551.5	1551.5	1551.5
1°	1552.7	1550.3	1549.7	1553.9	1556.8
2°	1553.9	1550.9	1551.5	1555.6	1557.4
3°	1552.7	1549.7	1552.7	1558.6	1561.0
4°	1552.1	1550.9	1553.9	1562.2	1566.3
5°	1553.3	1552.1	1556.2	1567.5	1574.0
6°	1551.5	1549.7	1555.6	1569.9	1579.3
7°	1547.4	1545.6	1552.1	1569.3	1579.9
8°	1536.1	1532.6	1539.1	1560.4	1573.4
9°	1516.0	1511.3	1517.8	1542.6	1558.0
10°	1489.9	1484.6	1488.8	1513.0	1530.2
11°	1452.6	1445.5	1450.3	1476.3	1498.8
12°	1405.3	1395.2	1401.1	1430.7	1446.7
13°	1353.8	1344.3	1345.5	1372.1	1394.6
14°	1289.9	1277.4	1282.8	1310.6	1328.3
15°	1224.7	1218.2	1224.2	1253.8	1269.1
17.5°	1075.6	1075.0	1080.3	1102.2	1110.5
20°	921.1	922.9	930.5	942.4	943.6
22.5°	738.2	738.8	747.0	755.3	753.6
25°	544.6	544.0	555.8	551.7	545.8
27.5°	361.1	363.5	374.1	366.4	360.5
30°	223.2	227.9	233.2	223.8	216.1
32.5°	120.8	128.5	136.1	127.9	120.2
35°	66.3	69.9	79.9	69.9	64.5
37.5°	38.5	40.3	46.8	40.3	36.7
40°	21.3	24.3	27.2	24.3	20.7
42.5°	8.9	13.6	16.6	13.6	8.9
45°	3.6	5.9	10.7	5.9	3.0
47.5°	1.8	2.4	6.5	2.4	1.8
50°	1.8	1.8	3.6	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)