

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: P1326835

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCDR1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326835
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: LDSQA3D09R45W2N902765DE010 3LSQCDR1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

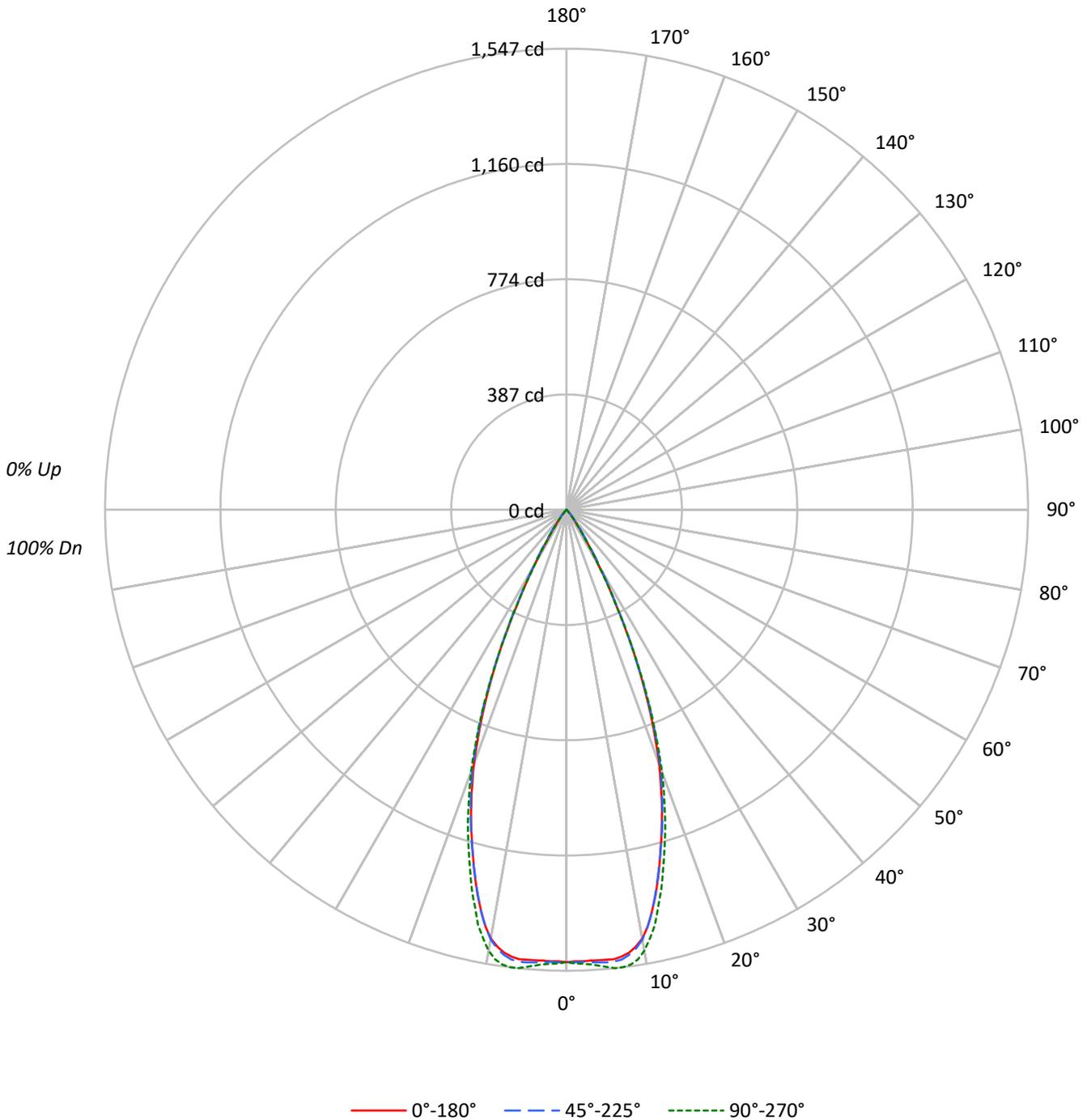
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 87.2 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): 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	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	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	261486	261486	261486
5°	262087	263591	266219
10°	255516	256041	262774
15°	215580	215669	222748
20°	166414	168760	171546
25°	103241	103336	104002
30°	42597	45262	41901
35°	13245	16189	12762
40°	4069	5643	3799
45°	292	2143	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: 2143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.5	18.4
10°-20°	336.0	42.8
20°-30°	246.5	31.4
30°-40°	53.0	6.7
40°-50°	5.0	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°	727.0	92.6
0°-40°	779.9	99.4
0°-60°	785.0	100.0
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1518	1518	1518	1518	1518	
5°	1516	1520	1525	1535	1540	143
15°	1209	1207	1210	1229	1249	333
25°	543	542	544	544	547	244
35°	63	68	77	66	61	50
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°	1518.3	1518.3	1518.3	1518.3	1518.3
1°	1515.4	1518.9	1518.9	1521.2	1522.4
2°	1516.6	1518.9	1518.3	1522.4	1524.2
3°	1514.8	1518.9	1520.1	1524.7	1527.7
4°	1515.4	1518.9	1522.4	1529.4	1533.5
5°	1516.0	1520.1	1524.7	1535.2	1539.9
6°	1516.6	1519.5	1524.7	1538.2	1546.9
7°	1510.7	1514.8	1520.7	1537.6	1546.9
8°	1501.4	1503.7	1508.4	1530.6	1541.7
9°	1483.9	1483.3	1490.3	1514.8	1527.7
10°	1461.1	1454.1	1464.1	1488.6	1502.6
11°	1424.4	1416.8	1425.5	1451.8	1465.2
12°	1376.5	1376.5	1378.3	1401.6	1425.0
13°	1325.8	1319.9	1323.4	1349.7	1366.0
14°	1269.7	1263.9	1267.4	1287.3	1312.9
15°	1209.1	1206.7	1209.6	1228.9	1249.3
17.5°	1064.9	1059.7	1070.2	1089.4	1099.9
20°	908.0	916.7	920.8	933.1	936.0
22.5°	727.7	737.0	742.8	744.6	746.3
25°	543.3	541.5	543.8	543.8	547.3
27.5°	357.1	357.1	363.5	359.5	355.4
30°	214.2	222.9	227.6	220.0	210.7
32.5°	116.7	125.5	133.0	122.0	113.8
35°	63.0	67.7	77.0	65.9	60.7
37.5°	34.4	38.5	44.3	37.3	34.4
40°	18.1	22.2	25.1	22.2	16.9
42.5°	5.8	11.1	14.6	11.1	5.3
45°	1.2	3.5	8.8	3.5	1.2
47.5°	0.0	0.6	4.1	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)