

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: P1326787

Luminaire Tested: LDSQA3D09R45W2N902750DE010 3LSQCDR1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

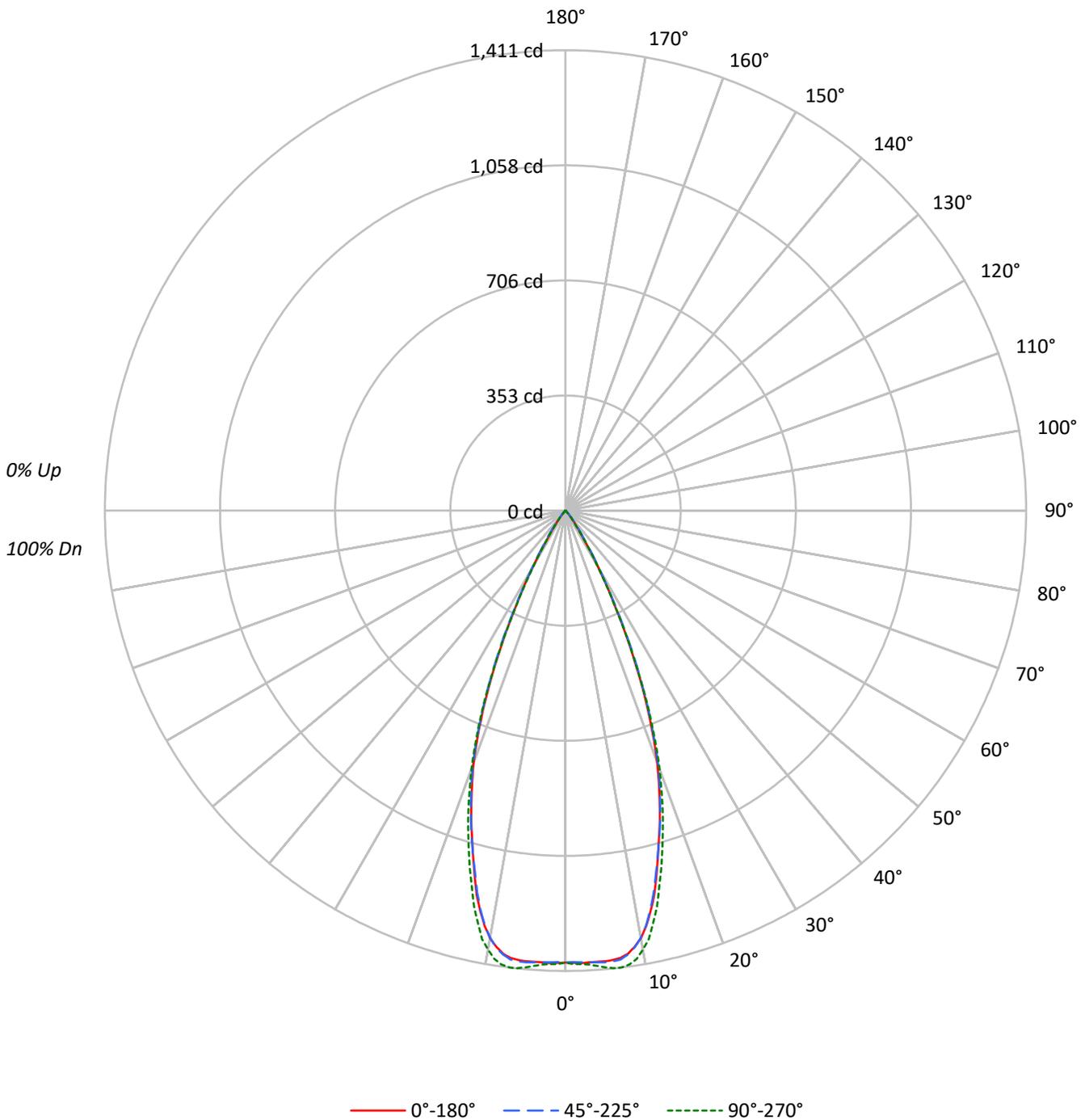
Test Method: LM-79-2019  
Report Number: P1326787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R45W2N902750DE010 3LSQCDR1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 717.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 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	70	67	73	70	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°	238580	238580	238580
5°	239768	240235	242966
10°	232660	232467	238938
15°	194987	194898	202047
20°	150726	152284	154410
25°	92410	94310	92600
30°	39634	41424	38361
35°	12447	15011	12110
40°	4272	5463	4159
45°	779	2314	633
50°	429	857	429
55°	480	480	480
60°	379	379	379
65°	448	448	448
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2314 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.7	18.4
10°-20°	304.2	42.4
20°-30°	222.8	31.1
30°-40°	49.2	6.9
40°-50°	6.0	0.8
50°-60°	1.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	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°	658.7	91.9
0°-40°	707.9	98.7
0°-60°	715.4	99.8
0°-90°	717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1387	1386	1390	1400	1405	131
15°	1094	1088	1093	1120	1133	302
25°	486	486	496	493	487	220
35°	59	62	71	62	58	47
45°	3	5	10	5	3	4
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1385.3	1385.3	1385.3	1385.3	1385.3
1°	1386.4	1384.3	1383.8	1387.5	1390.1
2°	1387.5	1384.8	1385.3	1389.0	1390.6
3°	1386.4	1383.8	1386.4	1391.7	1393.8
4°	1385.9	1384.8	1387.5	1394.9	1398.6
5°	1386.9	1385.9	1389.6	1399.6	1405.4
6°	1385.3	1383.8	1389.0	1401.7	1410.2
7°	1381.6	1380.1	1385.9	1401.2	1410.7
8°	1371.6	1368.4	1374.2	1393.3	1404.9
9°	1353.6	1349.4	1355.2	1377.4	1391.2
10°	1330.4	1325.6	1329.3	1351.0	1366.3
11°	1297.1	1290.7	1295.0	1318.2	1338.3
12°	1254.8	1245.8	1251.1	1277.5	1291.8
13°	1208.8	1200.3	1201.4	1225.2	1245.3
14°	1151.7	1140.6	1145.4	1170.2	1186.1
15°	1093.6	1087.8	1093.1	1119.5	1133.2
17.5°	960.4	959.9	964.6	984.2	991.6
20°	822.4	824.0	830.9	841.5	842.5
22.5°	659.1	659.6	667.0	674.4	672.9
25°	486.3	485.7	496.3	492.6	487.3
27.5°	322.4	324.5	334.0	327.2	321.9
30°	199.3	203.5	208.3	199.8	192.9
32.5°	107.8	114.7	121.6	114.2	107.3
35°	59.2	62.4	71.4	62.4	57.6
37.5°	34.4	35.9	41.8	35.9	32.8
40°	19.0	21.7	24.3	21.7	18.5
42.5°	7.9	12.2	14.8	12.2	7.9
45°	3.2	5.3	9.5	5.3	2.6
47.5°	1.6	2.1	5.8	2.1	1.6
50°	1.6	1.6	3.2	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.1	1.1	1.1	1.6	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.5	0.5	0.5	1.1	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
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)