

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: P1326158

Luminaire Tested: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

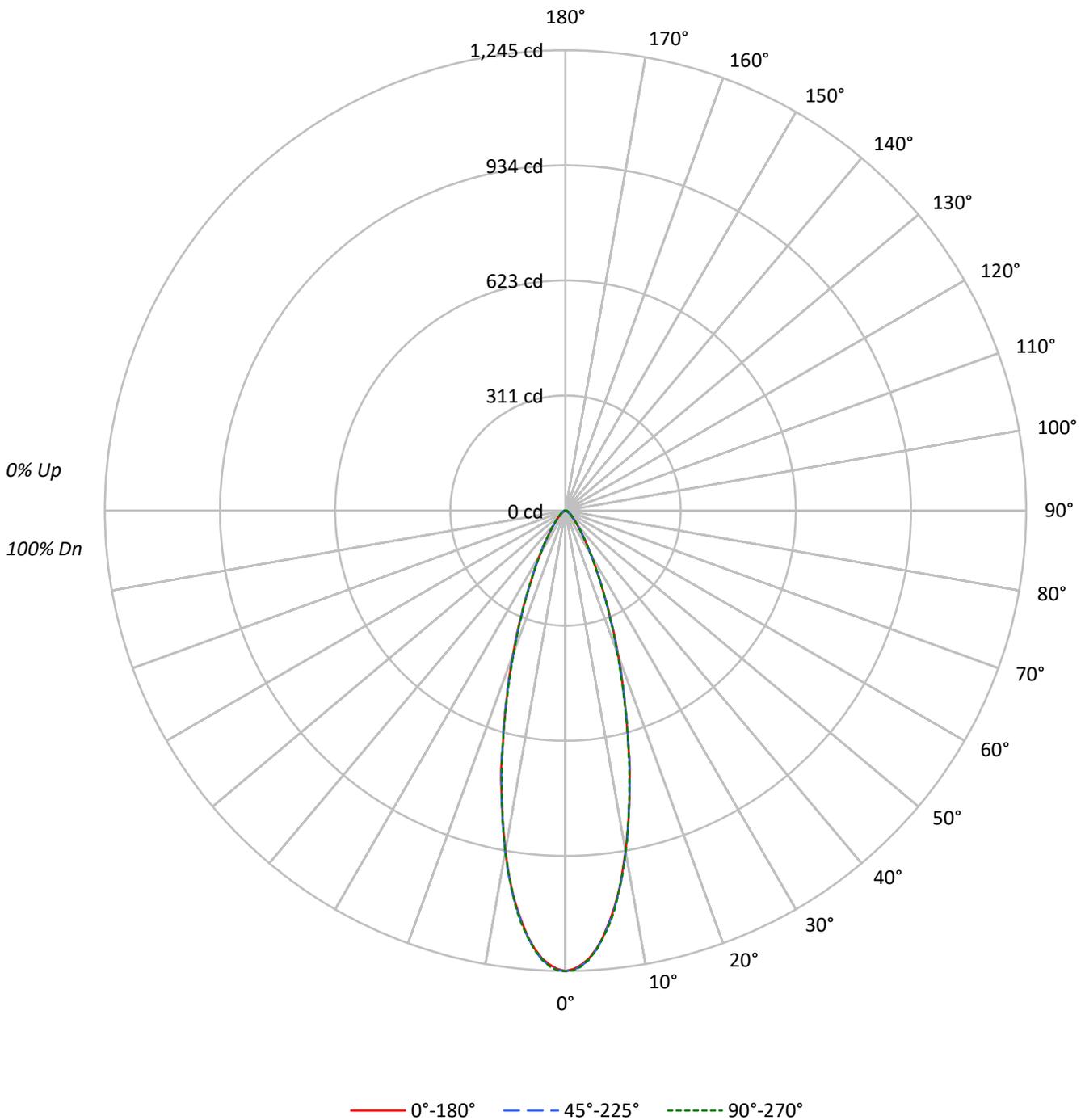
Test Method: LM-79-2019  
Report Number: P1326158  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R25W2N902750DE010 3LSQPHRL1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 499.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	72	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	214486	214486	214486
5°	200196	200403	200490
10°	163285	163792	163792
15°	116625	117249	116625
20°	76334	75583	74520
25°	45378	45606	45378
30°	27344	27344	27225
35°	16651	16778	16651
40°	10612	10746	10746
45°	7380	7380	7380
50°	5305	5466	5466
55°	4204	4204	4384
60°	3410	3617	3617
65°	3097	3097	3097
70°	2618	2618	2921
75°	2329	2329	2728
80°	2281	2281	2281
85°	1186	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7380 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.5	20.7
10°-20°	180.4	36.1
20°-30°	113.4	22.7
30°-40°	51.9	10.4
40°-50°	24.2	4.9
50°-60°	13.0	2.6
60°-70°	7.7	1.5
70°-80°	4.0	0.8
80°-90°	0.9	0.2
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°	397.3	79.6
0°-40°	449.2	90.0
0°-60°	486.5	97.5
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1158	1160	1159	1160	1160	103
15°	654	658	658	659	654	180
25°	239	242	240	240	239	114
35°	79	79	80	80	79	52
45°	30	30	30	30	30	24
55°	14	14	14	15	15	13
65°	8	8	8	8	8	7
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1245.4	1245.4	1245.4	1245.4	1245.4
1°	1240.1	1241.3	1242.5	1244.2	1243.6
2°	1228.5	1230.8	1231.4	1233.7	1233.1
3°	1212.7	1212.2	1216.8	1216.8	1213.9
4°	1188.3	1189.4	1190.6	1191.8	1192.4
5°	1158.0	1160.3	1159.2	1160.3	1159.7
6°	1120.7	1124.2	1123.6	1124.8	1126.5
7°	1081.1	1083.4	1083.4	1082.3	1086.9
8°	1038.0	1036.3	1039.2	1038.0	1037.4
9°	986.7	990.2	990.8	987.9	989.1
10°	933.7	936.1	936.6	938.4	936.6
11°	881.3	881.3	882.5	885.4	880.7
12°	824.2	829.5	824.2	826.6	824.2
13°	770.1	771.2	770.1	769.5	765.4
14°	718.8	714.7	715.9	711.2	711.8
15°	654.1	658.2	657.6	658.8	654.1
17.5°	526.0	528.3	527.7	526.6	520.7
20°	416.5	416.5	412.4	410.1	406.6
22.5°	318.0	316.9	315.1	313.4	314.5
25°	238.8	241.7	240.0	240.0	238.8
27.5°	180.6	184.1	181.2	179.4	180.6
30°	137.5	138.6	137.5	136.9	136.9
32.5°	103.7	104.3	103.7	103.7	103.7
35°	79.2	79.2	79.8	79.8	79.2
37.5°	61.2	61.2	61.2	61.2	61.7
40°	47.2	47.8	47.8	47.8	47.8
42.5°	37.3	37.9	37.9	37.9	37.9
45°	30.3	30.3	30.3	30.3	30.3
47.5°	24.5	24.5	24.5	24.5	25.0
50°	19.8	20.4	20.4	20.4	20.4
52.5°	16.9	16.9	16.9	16.9	16.9
55°	14.0	14.0	14.0	14.6	14.6
57.5°	11.6	11.6	12.2	12.2	12.2
60°	9.9	10.5	10.5	10.5	10.5
62.5°	8.7	8.7	9.3	9.3	9.3
65°	7.6	7.6	7.6	7.6	7.6
67.5°	6.4	6.4	6.4	6.4	7.0
70°	5.2	5.2	5.2	5.8	5.8
72.5°	4.7	4.7	4.7	4.7	4.7
75°	3.5	3.5	3.5	4.1	4.1
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6
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)