

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: P1327088

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

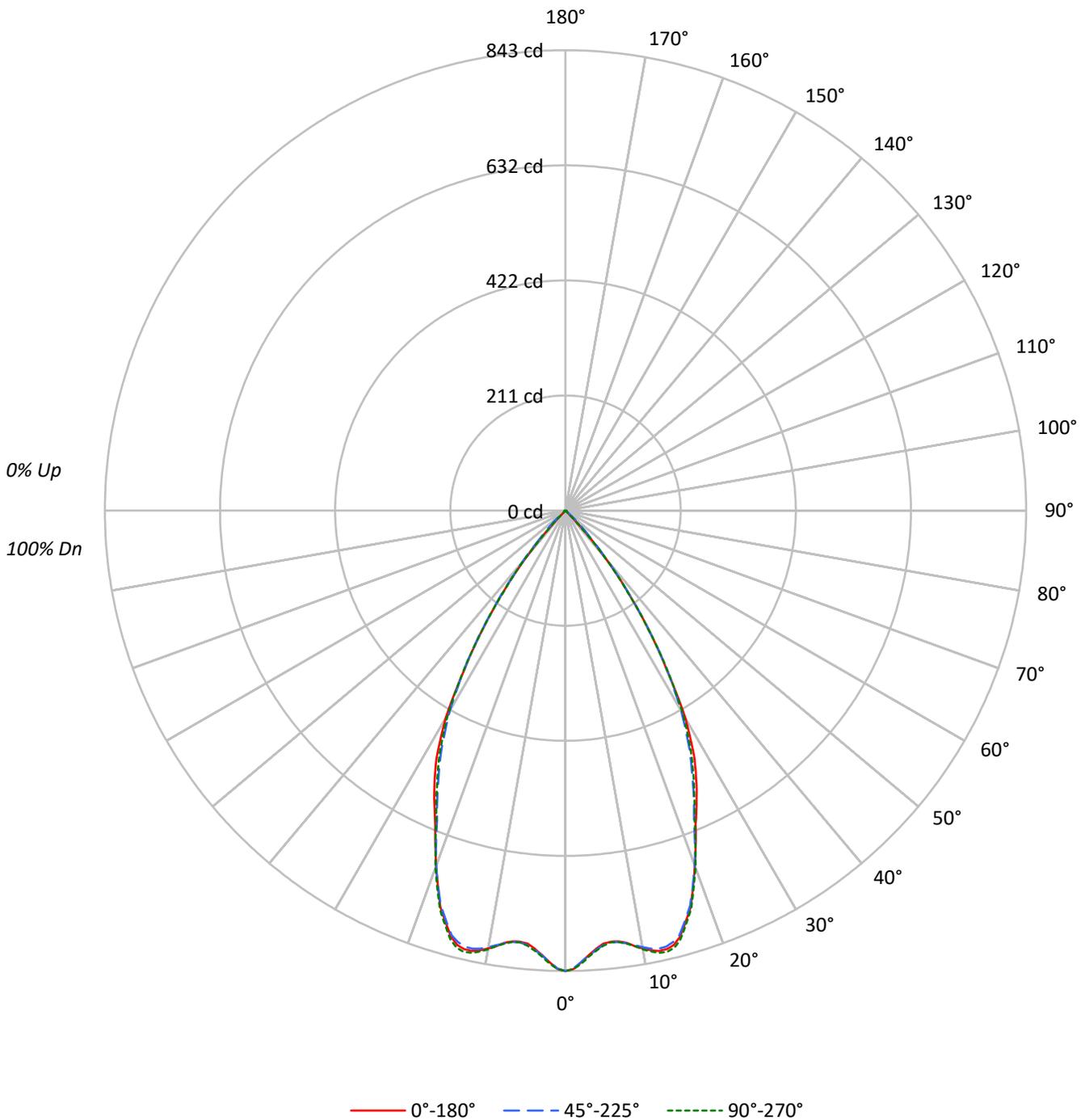
Test Method: LM-79-2019  
Report Number: P1327088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R60W2N902750DE010 3LSQCDR1MW\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 752.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
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				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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	56	53	52

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

	0°	45°	90°
0°	145201	145201	145201
5°	137613	138028	138235
10°	142404	141985	142702
15°	144136	143512	144974
20°	126918	126808	127450
25°	107992	104876	105769
30°	87163	84120	85532
35°	55168	55673	55042
40°	25787	26844	26192
45°	1583	9450	1851
50°	777	2197	777
55°	871	871	871
60°	827	827	827
65°	734	978	734
70°	906	906	906
75°	799	799	799
80°	595	595	595
85°	1186	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 9450 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	10.2
10°-20°	221.3	29.4
20°-30°	255.1	33.9
30°-40°	163.8	21.8
40°-50°	28.5	3.8
50°-60°	2.7	0.4
60°-70°	2.1	0.3
70°-80°	1.3	0.2
80°-90°	0.4	0.1
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°	553.3	73.6
0°-40°	717.1	95.4
0°-60°	748.2	99.5
0°-90°	752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	843	843	843	843	843	
5°	796	798	798	800	800	77
15°	808	805	805	810	813	222
25°	568	562	552	552	557	259
35°	262	261	265	260	262	164
45°	6	19	39	23	8	21
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	843.1	843.1	843.1	843.1	843.1
1°	839.6	839.0	838.4	839.0	839.6
2°	827.8	827.2	826.6	829.0	830.2
3°	814.9	815.4	816.0	817.2	817.8
4°	804.3	805.4	806.0	807.2	807.8
5°	796.0	797.8	798.4	800.2	799.6
6°	793.7	794.9	795.4	796.0	794.9
7°	794.9	795.4	796.0	797.2	796.0
8°	799.0	799.6	800.2	800.7	800.7
9°	807.2	806.0	805.4	807.8	807.2
10°	814.3	812.5	811.9	815.4	816.0
11°	820.2	817.8	817.2	821.3	822.5
12°	824.3	820.7	820.2	825.4	827.8
13°	824.3	819.6	819.6	825.4	829.0
14°	819.6	814.3	814.3	820.7	824.9
15°	808.4	805.4	804.9	810.2	813.1
17.5°	761.3	757.8	758.4	764.3	764.8
20°	692.5	690.7	691.9	693.1	695.4
22.5°	622.5	621.3	614.8	616.6	617.8
25°	568.3	561.9	551.9	552.5	556.6
27.5°	511.3	504.8	490.7	493.6	497.7
30°	438.3	433.0	423.0	424.8	430.1
32.5°	344.2	354.8	345.4	348.3	346.5
35°	262.4	260.6	264.8	259.5	261.8
37.5°	184.7	185.3	187.1	182.4	182.4
40°	114.7	117.7	119.4	117.1	116.5
42.5°	48.2	65.9	69.4	65.9	48.8
45°	6.5	19.4	38.8	22.9	7.6
47.5°	2.9	4.1	20.6	4.1	2.9
50°	2.9	2.9	8.2	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	2.9	2.9	2.9
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.8	2.4	2.4	2.4	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
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)