

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: P1315523

Luminaire Tested: LDSQA3D09R609735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315523  
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: LDSQA3D09R609735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

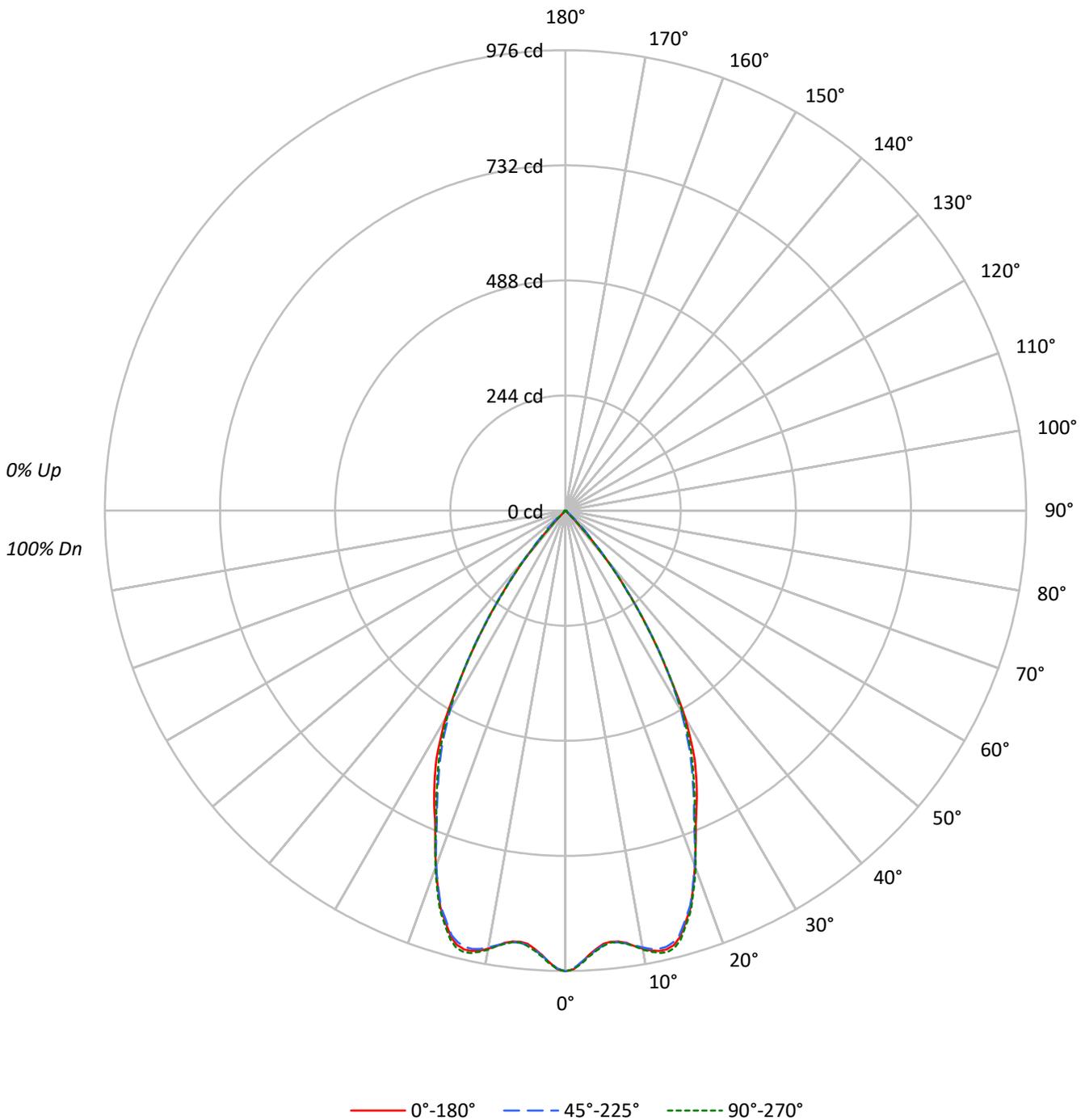
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 871.0 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	168175	168175	168175
5°	159396	159863	160105
10°	164929	164457	165296
15°	166940	166209	167921
20°	147005	146877	147628
25°	125095	121465	122510
30°	100964	97444	99055
35°	63893	64482	63746
40°	29879	31093	30328
45°	1827	10960	2168
50°	911	2545	911
55°	1021	1021	1021
60°	930	930	930
65°	815	1100	815
70°	1007	1007	1007
75°	932	932	932
80°	694	694	694
85°	1383	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 10960 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	10.2
10°-20°	256.3	29.4
20°-30°	295.5	33.9
30°-40°	189.7	21.8
40°-50°	33.0	3.8
50°-60°	3.1	0.4
60°-70°	2.4	0.3
70°-80°	1.5	0.2
80°-90°	0.5	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°	640.8	73.6
0°-40°	830.5	95.4
0°-60°	866.7	99.5
0°-90°	871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	922	924	925	927	926	89
15°	936	933	932	938	942	257
25°	658	651	639	640	645	300
35°	304	302	307	300	303	190
45°	8	22	45	27	9	25
55°	3	3	3	3	3	3
65°	2	3	3	3	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°	976.5	976.5	976.5	976.5	976.5
1°	972.4	971.7	971.1	971.7	972.4
2°	958.8	958.1	957.4	960.2	961.5
3°	943.8	944.5	945.2	946.5	947.2
4°	931.5	932.9	933.6	934.9	935.6
5°	922.0	924.0	924.7	926.8	926.1
6°	919.3	920.6	921.3	922.0	920.6
7°	920.6	921.3	922.0	923.4	922.0
8°	925.4	926.1	926.8	927.5	927.5
9°	934.9	933.6	932.9	935.6	934.9
10°	943.1	941.1	940.4	944.5	945.2
11°	949.9	947.2	946.5	951.3	952.7
12°	954.7	950.6	949.9	956.1	958.8
13°	954.7	949.3	949.3	956.1	960.2
14°	949.3	943.1	943.1	950.6	955.4
15°	936.3	932.9	932.2	938.4	941.8
17.5°	881.8	877.7	878.4	885.2	885.9
20°	802.1	800.0	801.4	802.7	805.5
22.5°	721.0	719.6	712.1	714.2	715.5
25°	658.3	650.8	639.2	639.9	644.7
27.5°	592.2	584.7	568.3	571.7	576.5
30°	507.7	501.5	490.0	492.0	498.1
32.5°	398.6	410.9	400.0	403.4	401.4
35°	303.9	301.9	306.7	300.5	303.2
37.5°	214.0	214.7	216.7	211.2	211.2
40°	132.9	136.3	138.3	135.6	134.9
42.5°	55.9	76.3	80.4	76.3	56.6
45°	7.5	22.5	45.0	26.6	8.9
47.5°	3.4	4.8	23.9	4.8	3.4
50°	3.4	3.4	9.5	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.0	2.7	2.7	2.7	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)