

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: P1309954

Luminaire Tested: LDSQA3D02R709035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R709035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

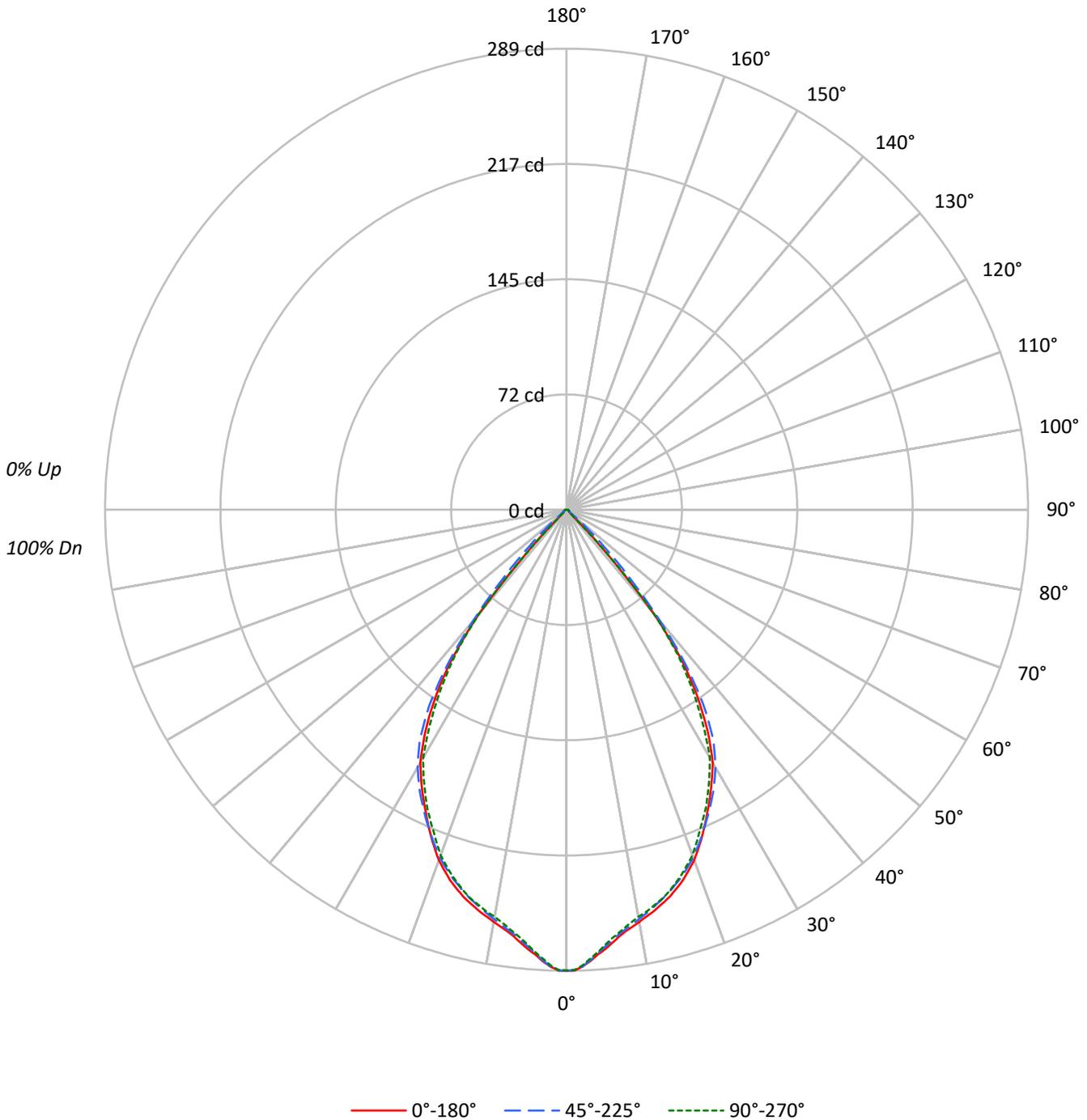
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 308.1 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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				
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	68	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

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

	0°	45°	90°
0°	49755	49755	49755
5°	47819	47559	47387
10°	45871	45609	45311
15°	44717	44236	44182
20°	42850	42520	42245
25°	39678	39963	39202
30°	36432	37088	35696
35°	30044	31474	28888
40°	19132	20594	19132
45°	1340	8890	1461
50°	616	1822	616
55°	691	691	691
60°	689	689	689
65°	611	734	611
70°	655	755	655
75°	665	665	665
80°	793	793	793
85°	593	988	593

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8890 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.8	8.4
10°-20°	69.8	22.7
20°-30°	95.9	31.1
30°-40°	87.9	28.5
40°-50°	23.3	7.6
50°-60°	2.1	0.7
60°-70°	1.7	0.6
70°-80°	1.2	0.4
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°	191.5	62.2
0°-40°	279.3	90.7
0°-60°	304.8	98.9
0°-90°	308.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	308.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	289	289	289	289	289	
5°	277	275	275	275	274	26
15°	251	249	248	248	248	70
25°	209	210	210	208	206	96
35°	143	145	150	143	137	87
45°	6	19	36	19	6	17
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	288.9	288.9	288.9	288.9	288.9
1°	288.9	288.4	288.9	288.9	288.4
2°	286.6	286.1	286.4	286.1	285.9
3°	283.4	282.6	282.9	282.4	281.9
4°	279.6	278.8	278.8	278.6	278.1
5°	276.6	275.3	275.1	274.6	274.1
6°	273.1	271.8	271.6	270.8	270.3
7°	269.6	268.6	268.3	267.3	267.3
8°	266.8	265.6	265.6	264.3	264.3
9°	264.6	263.1	263.1	262.1	261.6
10°	262.3	260.8	260.8	259.6	259.1
11°	260.1	258.8	258.3	257.6	257.3
12°	258.1	256.3	255.8	255.6	255.1
13°	255.6	253.8	253.3	253.1	252.8
14°	253.3	251.1	250.8	250.3	250.6
15°	250.8	248.6	248.1	248.1	247.8
17.5°	243.1	241.6	240.8	240.3	239.8
20°	233.8	232.5	232.0	231.0	230.5
22.5°	221.8	221.5	221.3	220.0	218.0
25°	208.8	209.5	210.3	207.8	206.3
27.5°	196.2	198.2	199.0	196.5	193.2
30°	183.2	185.0	186.5	183.0	179.5
32.5°	164.5	168.7	171.0	167.0	158.9
35°	142.9	145.2	149.7	142.9	137.4
37.5°	117.9	119.1	122.7	118.1	114.4
40°	85.1	88.9	91.6	88.9	85.1
42.5°	38.3	53.6	60.6	56.6	40.0
45°	5.5	18.8	36.5	19.0	6.0
47.5°	2.3	3.0	19.0	2.8	2.3
50°	2.3	2.3	6.8	2.3	2.3
52.5°	2.3	2.3	2.5	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3
57.5°	2.0	2.0	2.3	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.8	2.0	2.0	2.0	1.8
65°	1.5	1.8	1.8	1.8	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.3	1.5	1.5	1.5	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.8	1.0	1.0	1.0	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.5	0.5	0.5	0.3
87.5°	0.3	0.3	0.3	0.3	0.3



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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)