

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: P1315012

Luminaire Tested: LDSQA3D20R559730D010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559730D010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

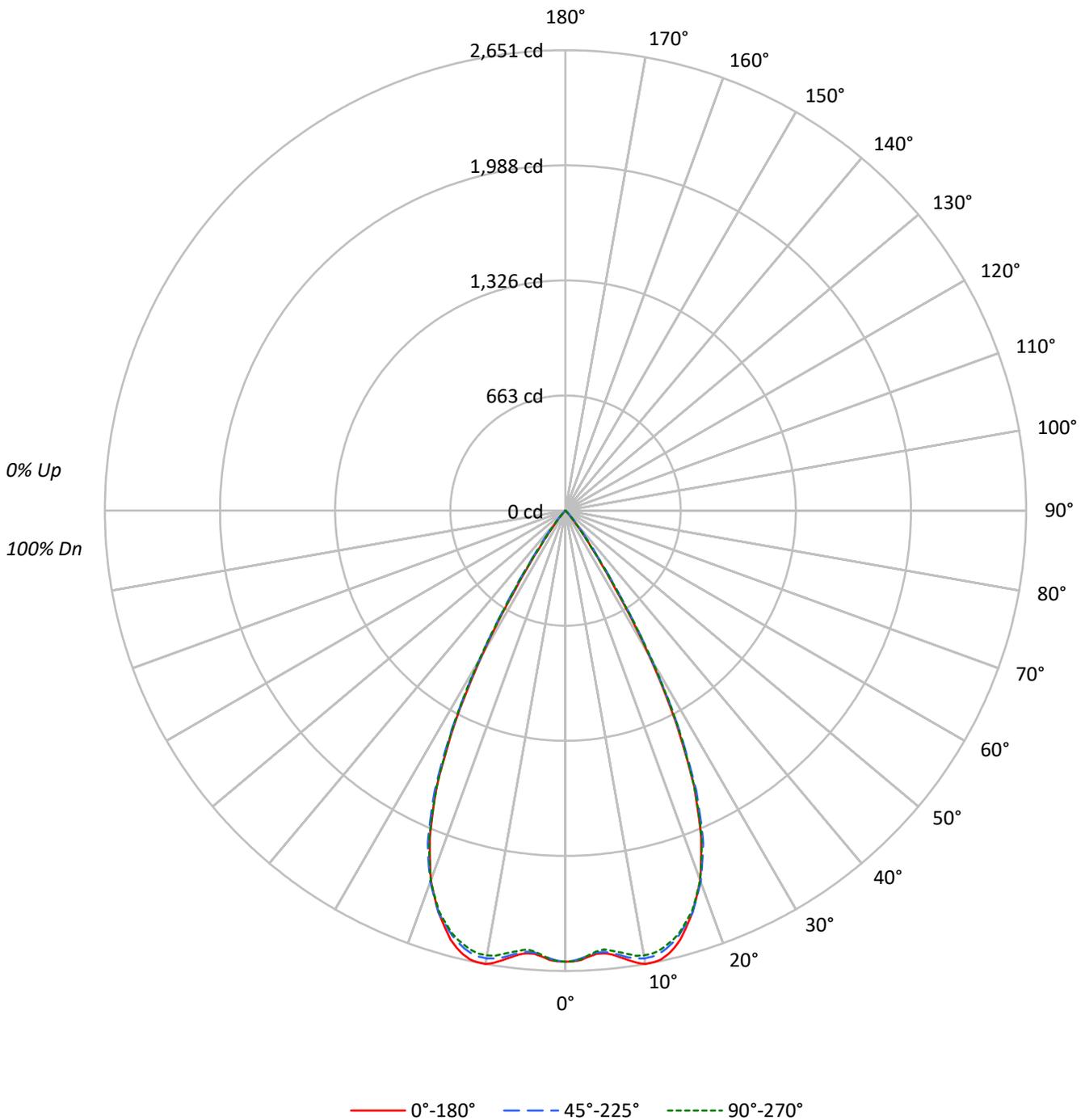
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1975.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	447400	447400	447400
5°	442297	440984	438615
10°	463588	458009	454826
15°	455890	451023	449400
20°	415247	416915	415522
25°	333136	338323	333136
30°	191209	196022	197533
35°	54517	65681	56114
40°	13984	20121	14321
45°	1486	7015	1096
50°	0	1206	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7015 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.6	12.5
10°-20°	703.8	35.6
20°-30°	775.2	39.3
30°-40°	231.4	11.7
40°-50°	17.8	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1725.7	87.4
0°-40°	1957.1	99.1
0°-60°	1975.0	100.0
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2598	2598	2598	2598	2598	
5°	2558	2554	2551	2540	2537	248
15°	2557	2539	2530	2519	2520	709
25°	1753	1753	1780	1777	1753	768
35°	259	276	312	285	267	214
45°	6	15	29	15	4	12
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2597.8	2597.8	2597.8	2597.8	2597.8
1°	2596.3	2596.3	2593.3	2591.7	2596.3
2°	2588.7	2588.7	2581.1	2579.6	2584.2
3°	2572.0	2570.5	2564.4	2559.9	2562.9
4°	2558.4	2555.3	2550.8	2543.2	2544.7
5°	2558.4	2553.8	2550.8	2540.2	2537.1
6°	2570.5	2567.5	2561.4	2550.8	2547.8
7°	2591.7	2585.7	2579.6	2566.0	2562.9
8°	2614.5	2609.9	2597.8	2584.2	2578.1
9°	2637.2	2626.6	2611.5	2597.8	2596.3
10°	2650.9	2635.7	2619.0	2602.4	2600.8
11°	2649.4	2635.7	2616.0	2600.8	2599.3
12°	2643.3	2623.6	2606.9	2588.7	2590.2
13°	2622.1	2603.9	2587.2	2573.5	2570.5
14°	2593.3	2576.6	2561.4	2547.8	2549.3
15°	2556.9	2538.7	2529.6	2518.9	2520.5
17.5°	2428.0	2423.4	2428.0	2415.8	2420.4
20°	2265.7	2261.1	2274.8	2268.7	2267.2
22.5°	2039.7	2045.8	2071.6	2064.0	2050.3
25°	1753.1	1753.1	1780.4	1777.4	1753.1
27.5°	1380.0	1390.7	1407.3	1414.9	1396.7
30°	961.5	985.7	985.7	1000.9	993.3
32.5°	536.8	588.4	600.5	608.1	577.8
35°	259.3	276.0	312.4	285.1	266.9
37.5°	124.4	131.9	168.3	136.5	127.4
40°	62.2	71.3	89.5	74.3	63.7
42.5°	25.8	37.9	47.0	37.9	25.8
45°	6.1	15.2	28.8	15.2	4.5
47.5°	0.0	1.5	13.6	3.0	0.0
50°	0.0	0.0	4.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)