

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: P1319585

Luminaire Tested: LDSQA3D20R559835D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R559835D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

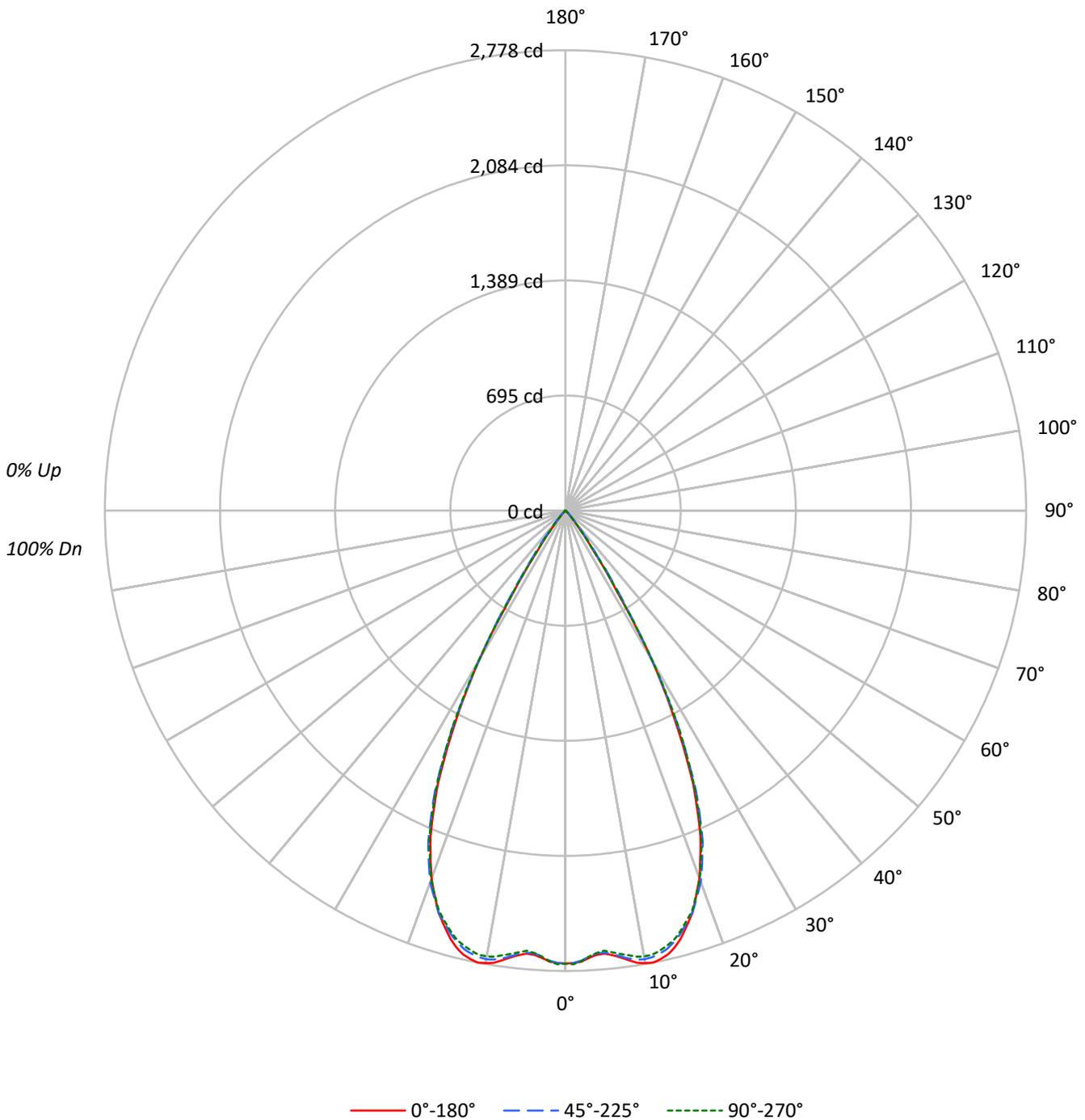
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2096.1 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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	114	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	470719	470719	470719
5°	463977	463164	460951
10°	484958	480779	477701
15°	477393	473132	471135
20°	432878	437259	434051
25°	346153	353431	350086
30°	207596	207596	210121
35°	59983	71042	61980
40°	17199	23291	17199
45°	3873	8939	3873
50°	1715	3001	1286
55°	1441	1441	1441
60°	1653	1653	1653
65°	1304	1304	1304
70°	1611	1611	1611
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8939 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.1	12.4
10°-20°	738.7	35.2
20°-30°	813.8	38.8
30°-40°	248.9	11.9
40°-50°	24.6	1.2
50°-60°	4.6	0.2
60°-70°	3.7	0.2
70°-80°	2.0	0.1
80°-90°	0.7	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°	1811.6	86.4
0°-40°	2060.5	98.3
0°-60°	2089.7	99.7
0°-90°	2096.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2096.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2733	2733	2733	2733	2733	
5°	2684	2684	2679	2671	2666	260
15°	2678	2673	2654	2642	2642	742
25°	1822	1839	1860	1877	1842	803
35°	285	300	338	311	295	234
45°	16	24	37	24	16	19
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2733.2	2733.2	2733.2	2733.2	2733.2
1°	2730.0	2731.6	2730.0	2726.9	2738.0
2°	2723.7	2722.1	2717.3	2715.7	2720.5
3°	2703.0	2703.0	2696.6	2693.4	2695.0
4°	2687.0	2687.0	2677.5	2674.3	2675.9
5°	2683.8	2683.8	2679.1	2671.1	2666.3
6°	2696.6	2699.8	2688.6	2680.6	2680.6
7°	2715.7	2717.3	2709.3	2698.2	2695.0
8°	2739.6	2741.2	2728.5	2715.7	2709.3
9°	2763.5	2760.3	2742.8	2730.0	2725.3
10°	2773.1	2771.5	2749.2	2736.4	2731.6
11°	2777.9	2769.9	2744.4	2733.2	2731.6
12°	2766.7	2760.3	2733.2	2722.1	2717.3
13°	2747.6	2738.0	2715.7	2704.6	2698.2
14°	2717.3	2707.7	2687.0	2674.3	2675.9
15°	2677.5	2672.7	2653.6	2642.4	2642.4
17.5°	2545.2	2548.4	2543.6	2538.8	2535.6
20°	2361.9	2374.6	2385.8	2379.4	2368.3
22.5°	2127.6	2149.9	2162.7	2165.9	2145.2
25°	1821.6	1839.2	1859.9	1877.4	1842.3
27.5°	1440.7	1456.7	1475.8	1486.9	1482.2
30°	1043.9	1045.5	1043.9	1064.6	1056.6
32.5°	580.1	627.9	635.9	650.2	599.2
35°	285.3	299.6	337.9	310.8	294.8
37.5°	137.1	146.6	183.3	149.8	143.4
40°	76.5	82.9	103.6	86.1	76.5
42.5°	36.7	47.8	55.8	49.4	36.7
45°	15.9	23.9	36.7	23.9	15.9
47.5°	6.4	9.6	22.3	9.6	6.4
50°	6.4	4.8	11.2	4.8	4.8
52.5°	4.8	4.8	6.4	4.8	4.8
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.8	4.8	4.8	4.8	4.8
60°	4.8	4.8	4.8	4.8	4.8
62.5°	3.2	4.8	4.8	4.8	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2
72.5°	1.6	3.2	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
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)