

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: P1320459

Luminaire Tested: LDSQA3D20R559840D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320459  
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: LDSQA3D20R559840D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

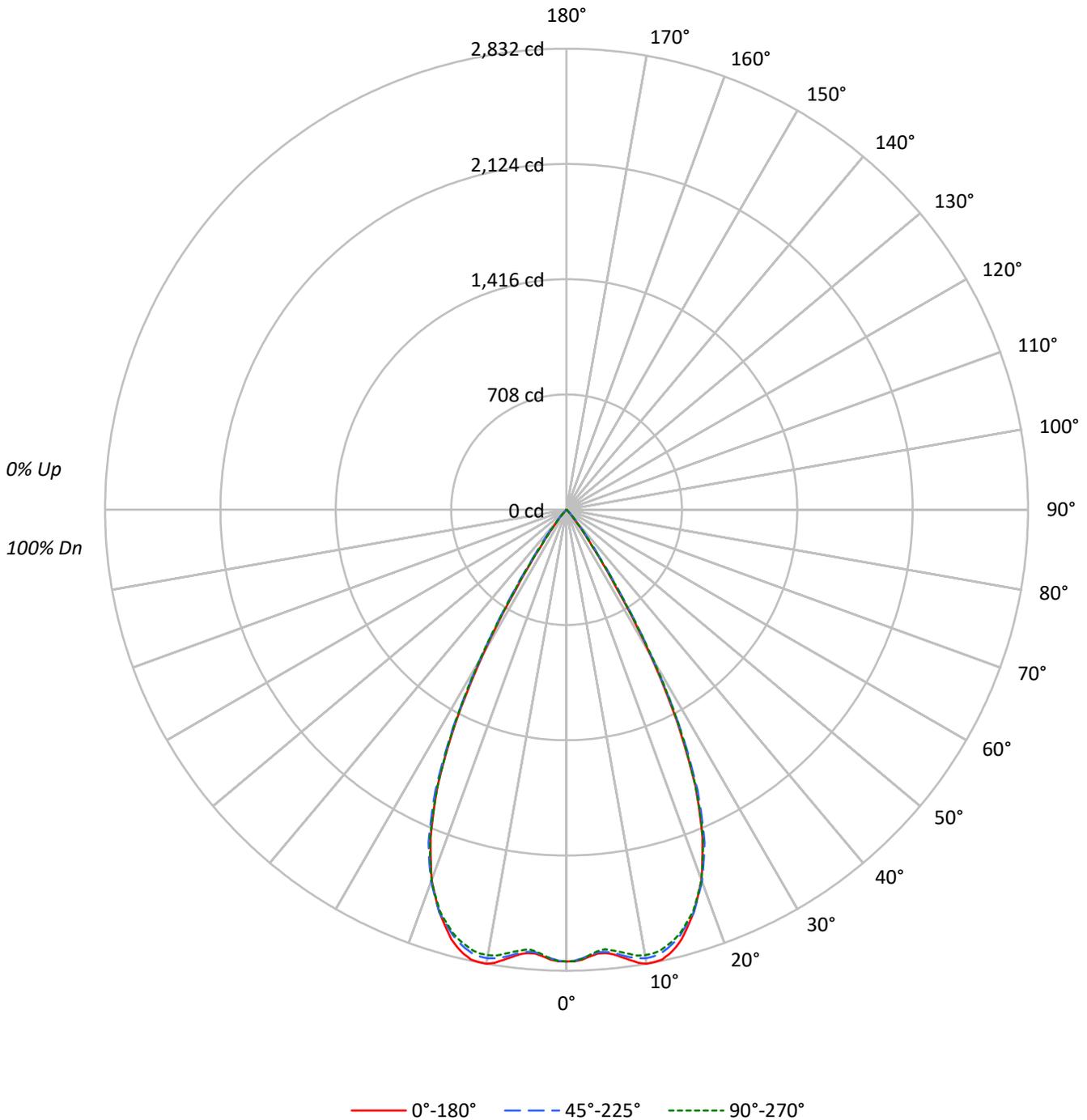
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2110.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 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): 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	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°	477987	477987	477987
5°	472534	471134	468610
10°	495276	489330	485920
15°	487039	481850	480103
20°	443637	445414	443930
25°	355901	361450	355901
30°	204275	209425	211036
35°	58259	70180	59962
40°	14928	21493	15288
45°	1583	7502	1193
50°	0	1313	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: 7502 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.5	12.5
10°-20°	751.9	35.6
20°-30°	828.2	39.3
30°-40°	247.2	11.7
40°-50°	19.0	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°	1843.6	87.4
0°-40°	2090.9	99.1
0°-60°	2110.0	100.0
0°-90°	2110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2110.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2775	2775	2775	2775	2775	
5°	2733	2728	2725	2714	2711	265
15°	2732	2712	2702	2691	2693	757
25°	1873	1873	1902	1899	1873	820
35°	277	295	334	305	285	229
45°	6	16	31	16	5	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°	2775.4	2775.4	2775.4	2775.4	2775.4
1°	2773.8	2773.8	2770.5	2768.9	2773.8
2°	2765.7	2765.7	2757.6	2755.9	2760.8
3°	2747.8	2746.2	2739.7	2734.9	2738.1
4°	2733.3	2730.0	2725.2	2717.1	2718.7
5°	2733.3	2728.4	2725.2	2713.8	2710.6
6°	2746.2	2743.0	2736.5	2725.2	2721.9
7°	2768.9	2762.4	2755.9	2741.4	2738.1
8°	2793.2	2788.3	2775.4	2760.8	2754.3
9°	2817.5	2806.2	2790.0	2775.4	2773.8
10°	2832.1	2815.9	2798.1	2780.2	2778.6
11°	2830.5	2815.9	2794.8	2778.6	2777.0
12°	2824.0	2802.9	2785.1	2765.7	2767.3
13°	2801.3	2781.9	2764.0	2749.5	2746.2
14°	2770.5	2752.7	2736.5	2721.9	2723.5
15°	2731.6	2712.2	2702.5	2691.1	2692.7
17.5°	2593.9	2589.1	2593.9	2581.0	2585.8
20°	2420.6	2415.7	2430.3	2423.8	2422.2
22.5°	2179.2	2185.6	2213.2	2205.1	2190.5
25°	1872.9	1872.9	1902.1	1898.9	1872.9
27.5°	1474.4	1485.7	1503.5	1511.6	1492.2
30°	1027.2	1053.1	1053.1	1069.3	1061.2
32.5°	573.5	628.6	641.6	649.7	617.3
35°	277.1	294.9	333.8	304.6	285.2
37.5°	132.9	141.0	179.8	145.8	136.1
40°	66.4	76.1	95.6	79.4	68.0
42.5°	27.5	40.5	50.2	40.5	27.5
45°	6.5	16.2	30.8	16.2	4.9
47.5°	0.0	1.6	14.6	3.2	0.0
50°	0.0	0.0	4.9	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)