

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: P1309547

Luminaire Tested: LDSQA3D20R309030D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309030D010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

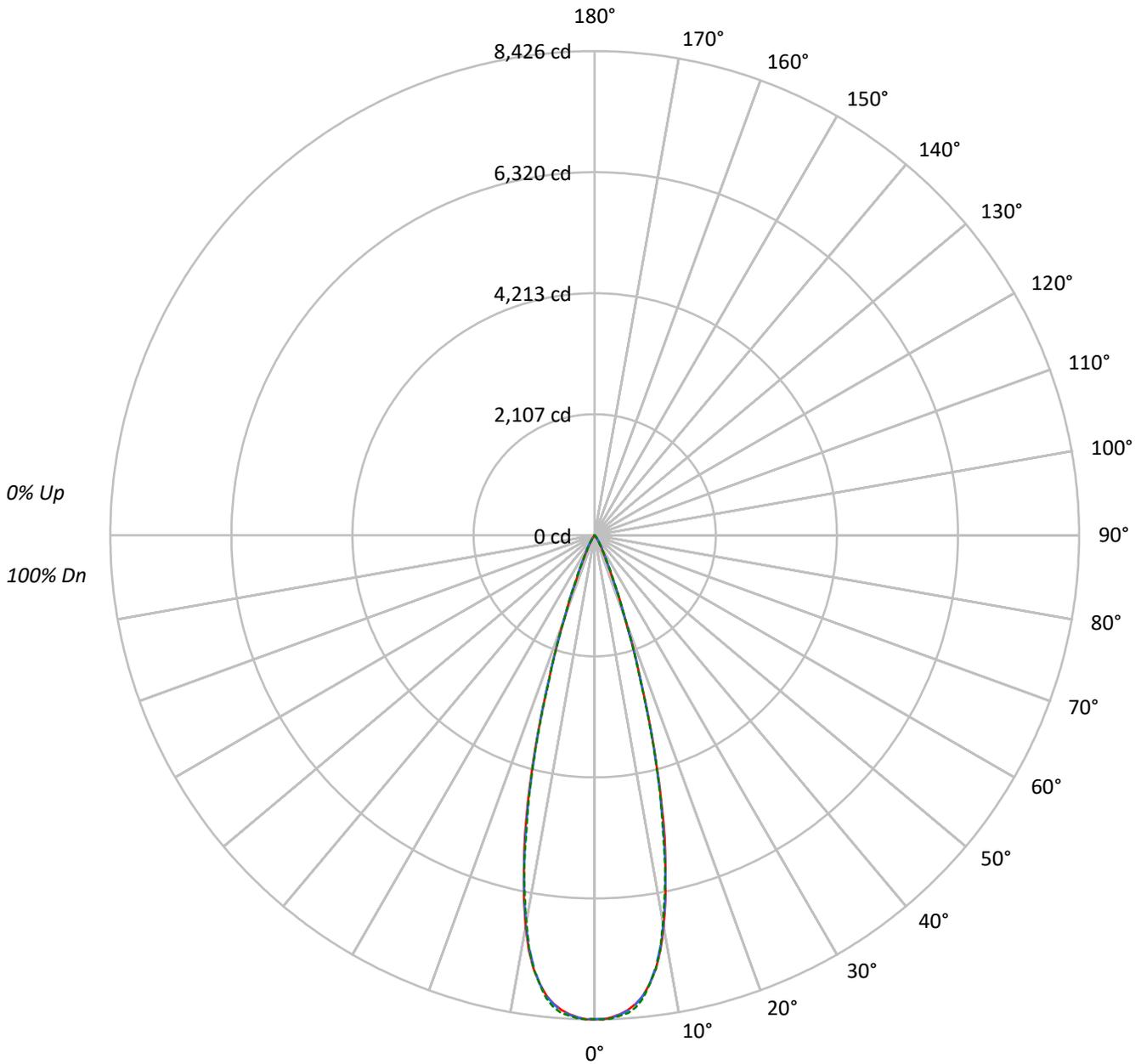
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2173.0 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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 (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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	80	78	76	75

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

	0°	45°	90°
0°	1450356	1450356	1450356
5°	1414992	1416738	1424639
10°	1208504	1202891	1195791
15°	745785	737048	739758
20°	281859	283417	283106
25°	86709	95051	90567
30°	34961	44367	36293
35°	10302	18838	10659
40°	4182	7599	4182
45°	828	2460	828
50°	0	455	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: 2460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	742.8	34.2
10°-20°	1099.7	50.6
20°-30°	272.8	12.6
30°-40°	51.2	2.4
40°-50°	6.5	0.3
50°-60°	0.0	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°	2115.3	97.3
0°-40°	2166.5	99.7
0°-60°	2173.0	100.0
0°-90°	2173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8421	8421	8421	8421	8421	
5°	8185	8181	8195	8208	8241	743
15°	4183	4142	4134	4166	4149	1105
25°	456	487	500	499	477	263
35°	49	64	90	66	51	41
45°	3	5	10	7	3	4
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°	8421.4	8421.4	8421.4	8421.4	8421.4
1°	8424.8	8418.0	8418.0	8407.9	8426.5
2°	8394.4	8387.6	8399.4	8391.0	8414.6
3°	8348.7	8340.3	8357.2	8362.2	8374.1
4°	8281.1	8274.4	8293.0	8303.1	8335.2
5°	8184.8	8181.4	8194.9	8208.5	8240.6
6°	8053.0	8047.9	8056.4	8073.3	8093.5
7°	7862.0	7851.9	7858.6	7862.0	7867.1
8°	7620.3	7605.1	7596.7	7615.3	7625.4
9°	7309.4	7292.5	7273.9	7267.1	7290.8
10°	6910.5	6885.2	6878.4	6861.5	6837.8
11°	6447.4	6427.2	6422.1	6391.7	6378.2
12°	5916.8	5906.6	5918.5	5899.9	5893.1
13°	5408.1	5343.9	5335.4	5299.9	5281.3
14°	4806.4	4747.3	4745.6	4727.0	4752.4
15°	4182.8	4142.3	4133.8	4165.9	4149.0
17.5°	2666.9	2693.9	2687.1	2670.2	2641.5
20°	1537.9	1519.3	1546.4	1553.1	1544.7
22.5°	819.7	826.4	831.5	851.8	865.3
25°	456.3	486.7	500.2	498.6	476.6
27.5°	283.9	302.5	327.9	311.0	292.4
30°	175.8	191.0	223.1	192.7	182.5
32.5°	94.6	120.0	143.7	120.0	98.0
35°	49.0	64.2	89.6	65.9	50.7
37.5°	32.1	37.2	57.5	37.2	32.1
40°	18.6	23.7	33.8	23.7	18.6
42.5°	8.5	13.5	18.6	13.5	8.5
45°	3.4	5.1	10.1	6.8	3.4
47.5°	0.0	1.7	5.1	1.7	0.0
50°	0.0	0.0	1.7	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)