

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: P1309693

Luminaire Tested: LDSQA3D24R309030D010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

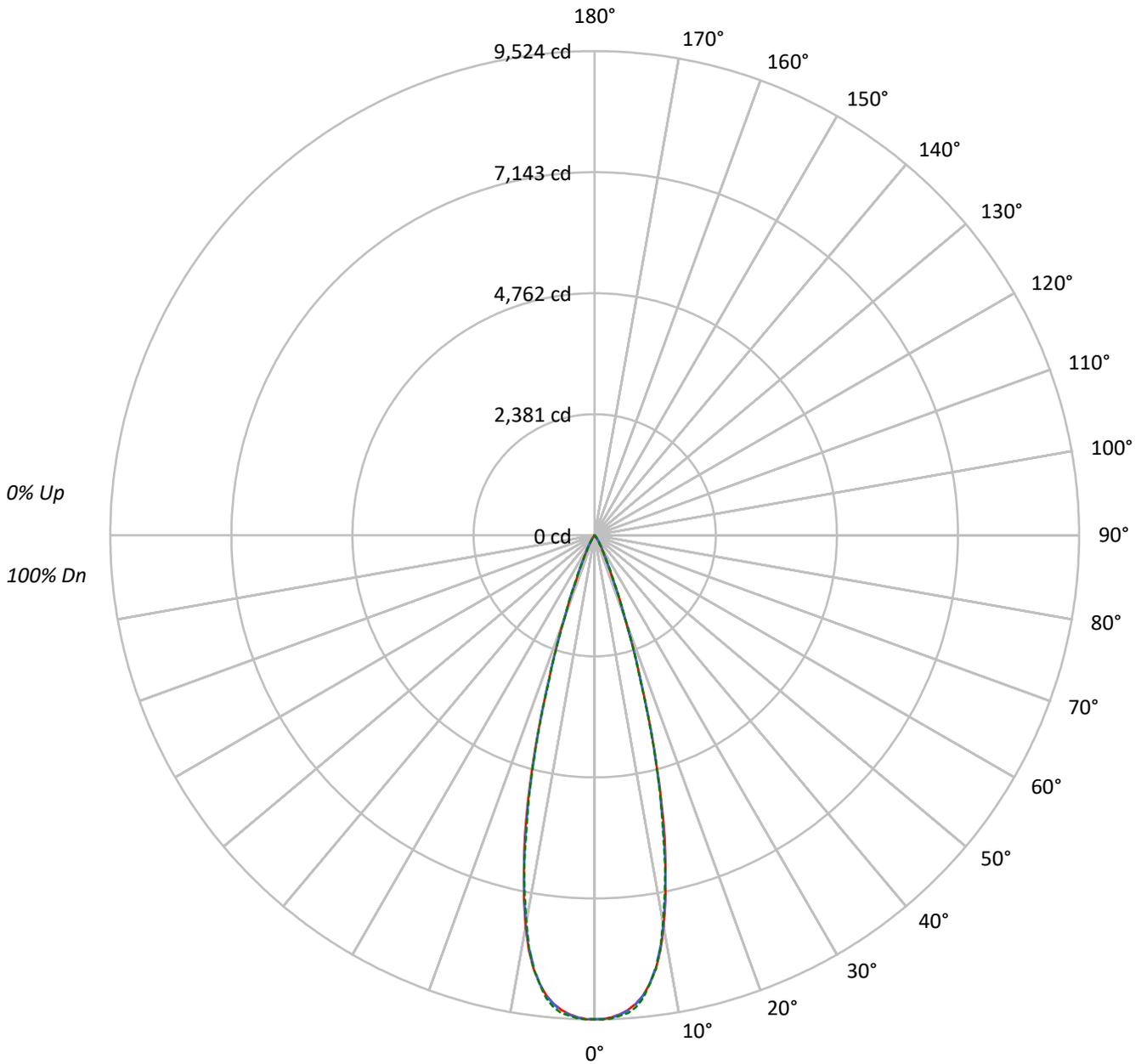
Test Method: LM-79-2019  
Report Number: P1309693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309030D010 3LSQCDR1MB  
Description: 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: 2456.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 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 (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



— 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	102	102	102	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	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1639250	1639250	1639250
5°	1599266	1601254	1610174
10°	1365896	1359548	1351538
15°	842922	833044	836111
20°	318569	320329	319981
25°	97997	107441	102367
30°	39515	50134	41026
35°	11648	21277	12047
40°	4721	8588	4721
45°	926	2801	926
50°	0	509	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: 2801 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	839.5	34.2
10°-20°	1243.0	50.6
20°-30°	308.3	12.6
30°-40°	57.9	2.4
40°-50°	7.3	0.3
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°	2390.8	97.3
0°-40°	2448.7	99.7
0°-60°	2456.0	100.0
0°-90°	2456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9518	9518	9518	9518	9518	
5°	9251	9247	9262	9278	9314	840
15°	4728	4682	4672	4708	4689	1249
25°	516	550	565	564	539	297
35°	55	73	101	74	57	46
45°	4	6	12	8	4	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°	9518.2	9518.2	9518.2	9518.2	9518.2
1°	9522.0	9514.3	9514.3	9502.9	9523.9
2°	9487.6	9480.0	9493.3	9483.8	9510.5
3°	9436.0	9426.5	9445.6	9451.3	9464.7
4°	9359.6	9352.0	9373.0	9384.4	9420.7
5°	9250.7	9246.9	9262.2	9277.5	9313.8
6°	9101.7	9096.0	9105.6	9124.7	9147.6
7°	8885.9	8874.4	8882.1	8885.9	8891.6
8°	8612.8	8595.6	8586.0	8607.0	8618.5
9°	8261.3	8242.2	8221.2	8213.5	8240.3
10°	7810.5	7781.9	7774.2	7755.1	7728.4
11°	7287.1	7264.2	7258.5	7224.1	7208.8
12°	6687.3	6675.9	6689.3	6668.2	6660.6
13°	6112.4	6039.8	6030.3	5990.2	5969.1
14°	5432.4	5365.5	5363.6	5342.6	5371.3
15°	4727.6	4681.7	4672.2	4708.5	4689.4
17.5°	3014.2	3044.7	3037.1	3018.0	2985.5
20°	1738.2	1717.2	1747.8	1755.4	1745.9
22.5°	926.4	934.1	939.8	962.7	978.0
25°	515.7	550.1	565.4	563.5	538.7
27.5°	320.9	341.9	370.6	351.5	330.5
30°	198.7	215.8	252.1	217.8	206.3
32.5°	107.0	135.6	162.4	135.6	110.8
35°	55.4	72.6	101.2	74.5	57.3
37.5°	36.3	42.0	64.9	42.0	36.3
40°	21.0	26.7	38.2	26.7	21.0
42.5°	9.6	15.3	21.0	15.3	9.6
45°	3.8	5.7	11.5	7.6	3.8
47.5°	0.0	1.9	5.7	1.9	0.0
50°	0.0	0.0	1.9	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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CATALOG NUMBER: LDSQA3D24R309030D010 3LSQCDR1MB

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)