

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: P1308577

Luminaire Tested: LDSQA3D24R309027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

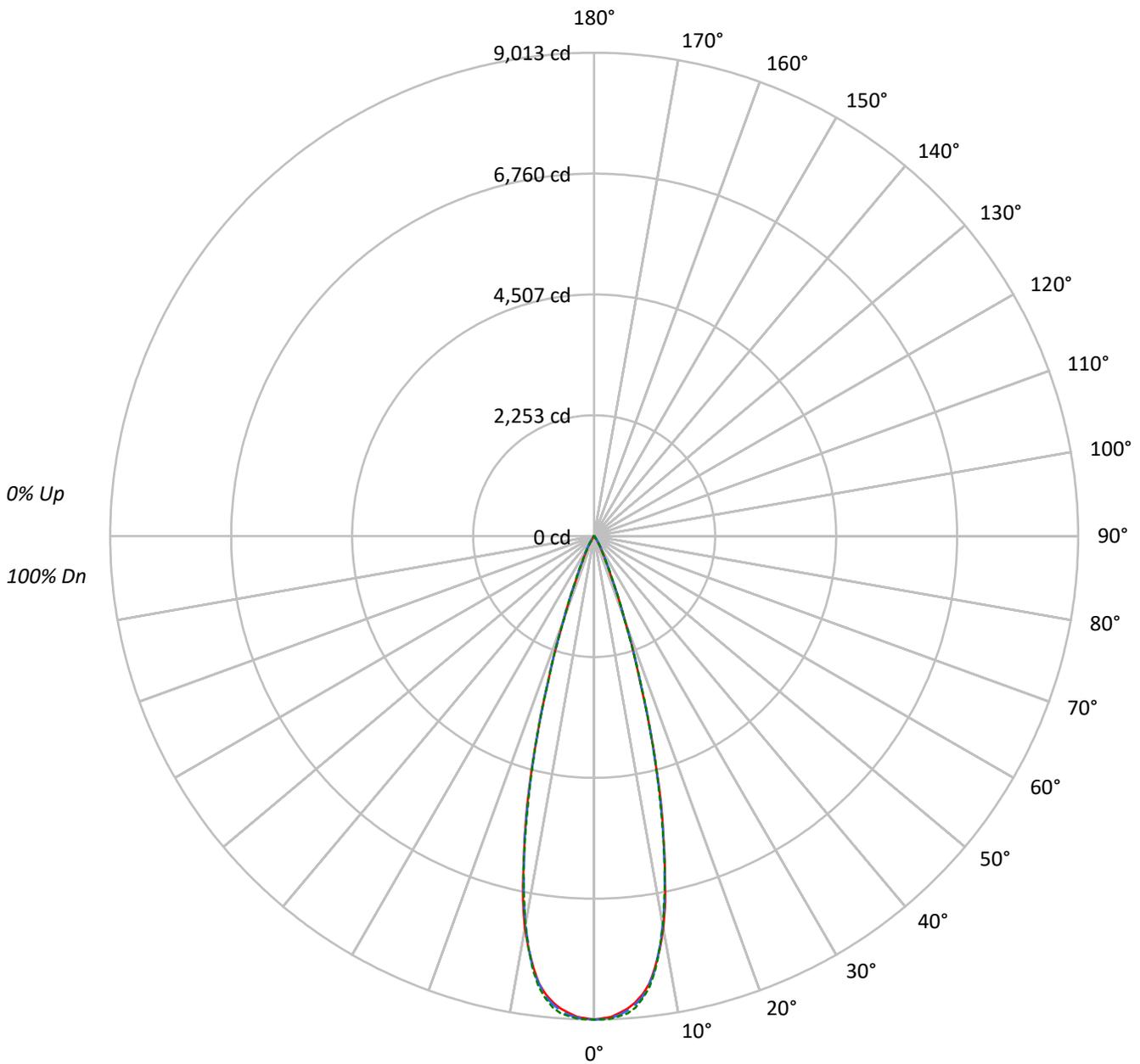
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2344.0 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

TEST NUMBER: P1308577  
CATALOG NUMBER: LDSQA3D24R309027D010 3LSQCDR1MW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P1308577  
 CATALOG NUMBER: LDSQA3D24R309027D010 3LSQCDR1MW

**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	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	1552174	1552174	1552174
5°	1509662	1516214	1525601
10°	1298148	1287078	1288354
15°	797670	791215	791857
20°	303578	304237	298611
25°	96553	101721	96895
30°	38838	48185	39912
35°	12552	21298	12552
40°	5688	9353	5688
45°	2192	3970	2192
50°	965	1929	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3970 cd/sqm



TEST NUMBER: P1308577

CATALOG NUMBER: LDSQA3D24R309027D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	795.0	33.9
10°-20°	1179.4	50.3
20°-30°	293.0	12.5
30°-40°	58.5	2.5
40°-50°	10.6	0.5
50°-60°	3.3	0.1
60°-70°	2.4	0.1
70°-80°	1.7	0.1
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°	2267.4	96.7
0°-40°	2325.9	99.2
0°-60°	2339.8	99.8
0°-90°	2344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2344.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9013	9013	9013	9013	9013	
5°	8732	8761	8770	8783	8825	794
15°	4474	4483	4438	4452	4441	1184
25°	508	519	535	528	510	285
35°	60	78	101	76	60	48
45°	9	11	16	13	9	8
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1308577  
 CATALOG NUMBER: LDSQA3D24R309027D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9012.6	9012.6	9012.6	9012.6	9012.6
1°	8992.8	9003.6	9010.8	9010.8	9010.8
2°	8967.4	8974.7	8985.5	8987.3	9001.8
3°	8907.8	8924.0	8942.1	8953.0	8960.2
4°	8835.4	8857.1	8868.0	8895.1	8918.6
5°	8732.4	8761.3	8770.3	8783.0	8824.6
6°	8593.1	8614.8	8632.9	8638.3	8663.6
7°	8408.7	8419.5	8415.9	8424.9	8470.2
8°	8128.4	8132.0	8162.7	8142.8	8173.6
9°	7795.7	7781.2	7774.0	7788.4	7790.2
10°	7423.1	7374.3	7359.8	7347.2	7367.1
11°	6940.3	6877.0	6882.5	6878.8	6849.9
12°	6340.0	6332.7	6285.7	6294.7	6338.1
13°	5726.9	5739.6	5730.6	5741.4	5692.6
14°	5151.9	5090.4	5106.7	5045.2	5068.7
15°	4473.8	4482.8	4437.6	4452.1	4441.2
17.5°	2864.4	2884.3	2869.8	2857.1	2877.0
20°	1656.4	1654.6	1660.0	1643.8	1629.3
22.5°	871.6	884.3	900.5	902.3	913.2
25°	508.1	519.0	535.3	528.0	509.9
27.5°	311.0	330.9	356.2	338.2	316.5
30°	195.3	211.6	242.3	213.4	200.7
32.5°	110.3	133.8	159.1	133.8	110.3
35°	59.7	77.8	101.3	75.9	59.7
37.5°	39.8	45.2	66.9	45.2	39.8
40°	25.3	30.7	41.6	30.7	25.3
42.5°	14.5	19.9	23.5	19.9	14.5
45°	9.0	10.8	16.3	12.7	9.0
47.5°	3.6	5.4	10.8	5.4	5.4
50°	3.6	3.6	7.2	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
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



TEST NUMBER: P1308577  
CATALOG NUMBER: LDSQA3D24R309027D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)