

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: P1313008

Luminaire Tested: LDSQA3D24R309050D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313008  
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: LDSQA3D24R309050D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

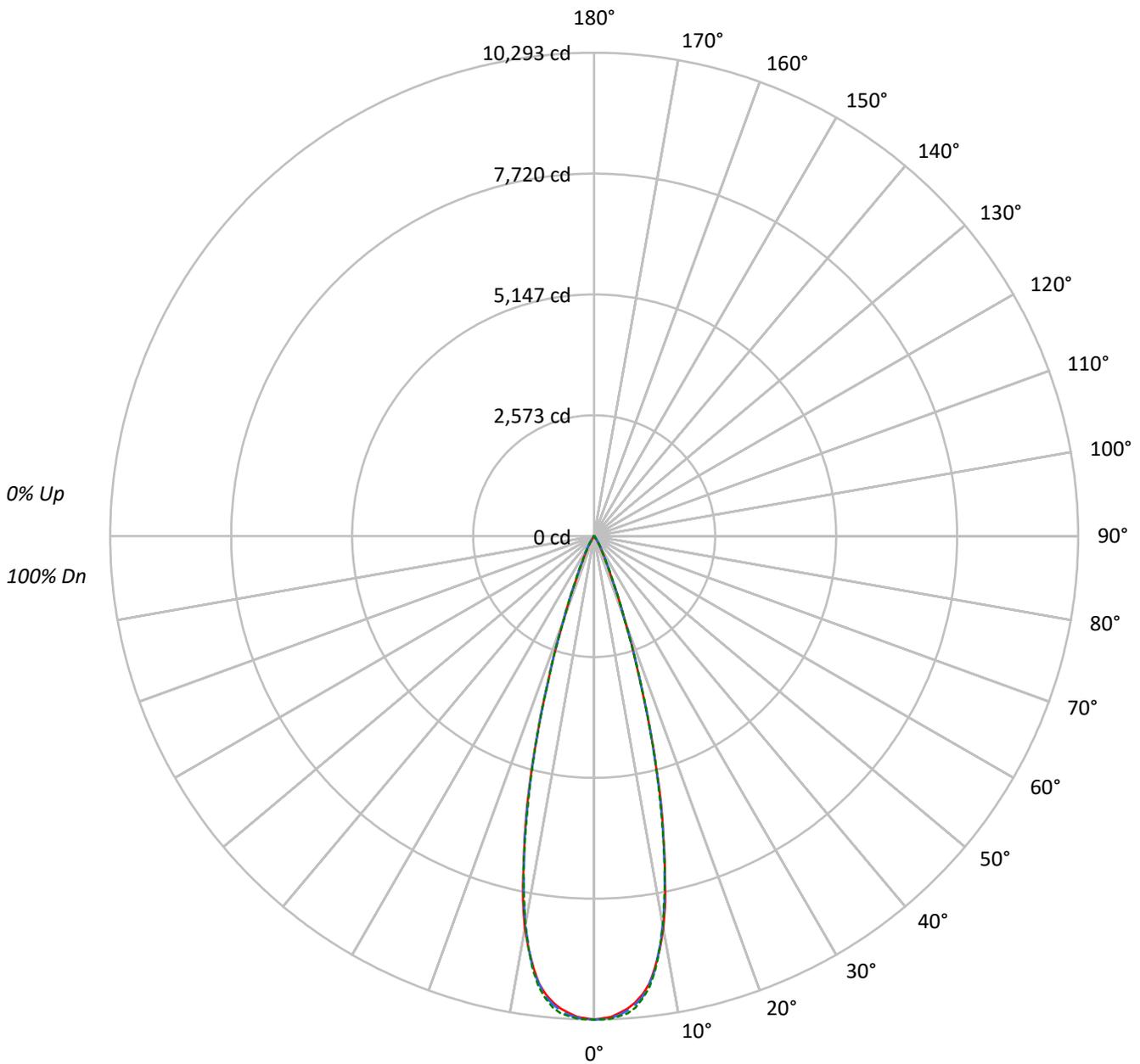
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2677.0 lumens  
Efficiency: N/A  
Efficacy: 93.0 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	99	98	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	96	95	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	93	92	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	91	89	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	93	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°	1772688	1772688	1772688
5°	1724120	1731623	1742324
10°	1482576	1469932	1471383
15°	910978	903614	904363
20°	346702	347472	341039
25°	110272	116163	110672
30°	44347	55026	45580
35°	14339	24325	14339
40°	6497	10679	6497
45°	2509	4530	2509
50°	1099	2224	1099
55°	1231	1231	1231
60°	1412	1412	1412
65°	856	856	856
70°	1057	1057	1057
75°	1397	1397	1397
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4530 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	907.9	33.9
10°-20°	1346.9	50.3
20°-30°	334.6	12.5
30°-40°	66.8	2.5
40°-50°	12.2	0.5
50°-60°	3.8	0.1
60°-70°	2.8	0.1
70°-80°	1.9	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°	2589.5	96.7
0°-40°	2656.3	99.2
0°-60°	2672.2	99.8
0°-90°	2677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10293	10293	10293	10293	10293	
5°	9973	10006	10016	10031	10078	907
15°	5109	5120	5068	5085	5072	1352
25°	580	593	611	603	582	325
35°	68	89	116	87	68	55
45°	10	12	19	14	10	9
55°	4	4	4	4	4	4
65°	2	2	2	2	2	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10293.0	10293.0	10293.0	10293.0	10293.0
1°	10270.3	10282.7	10291.0	10291.0	10291.0
2°	10241.4	10249.7	10262.0	10264.1	10280.6
3°	10173.2	10191.8	10212.5	10224.9	10233.1
4°	10090.6	10115.4	10127.8	10158.8	10185.6
5°	9972.9	10006.0	10016.3	10030.7	10078.2
6°	9813.9	9838.7	9859.3	9865.5	9894.4
7°	9603.2	9615.6	9611.5	9621.8	9673.5
8°	9283.1	9287.3	9322.4	9299.7	9334.8
9°	8903.1	8886.6	8878.4	8894.9	8896.9
10°	8477.7	8421.9	8405.4	8391.0	8413.7
11°	7926.3	7854.0	7860.2	7856.1	7823.0
12°	7240.6	7232.4	7178.7	7189.0	7238.6
13°	6540.5	6555.0	6544.7	6557.1	6501.3
14°	5883.8	5813.6	5832.2	5761.9	5788.8
15°	5109.3	5119.7	5068.0	5084.6	5072.2
17.5°	3271.3	3294.0	3277.5	3263.0	3285.8
20°	1891.7	1889.7	1895.9	1877.3	1860.8
22.5°	995.4	1009.9	1028.5	1030.5	1042.9
25°	580.3	592.7	611.3	603.0	582.4
27.5°	355.2	377.9	406.8	386.2	361.4
30°	223.0	241.6	276.7	243.7	229.2
32.5°	126.0	152.8	181.7	152.8	126.0
35°	68.2	88.8	115.7	86.7	68.2
37.5°	45.4	51.6	76.4	51.6	45.4
40°	28.9	35.1	47.5	35.1	28.9
42.5°	16.5	22.7	26.8	22.7	16.5
45°	10.3	12.4	18.6	14.5	10.3
47.5°	4.1	6.2	12.4	6.2	6.2
50°	4.1	4.1	8.3	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
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)