

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: P1317170

Luminaire Tested: LDSQA3D05R259827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317170  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259827DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

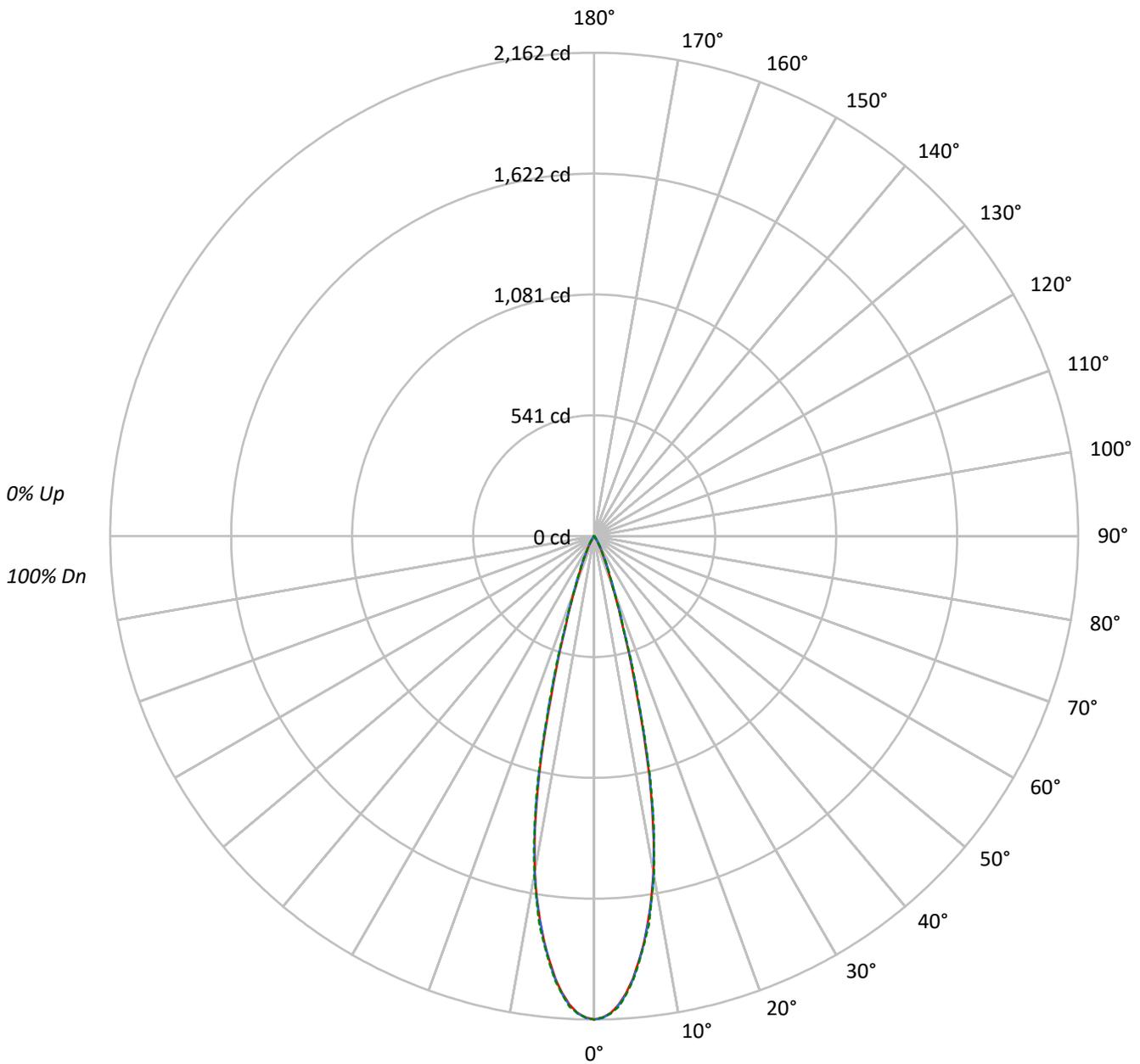
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 450.0 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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% Up  
100% Dn

— 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	78	78
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	77	77	77

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

	0°	45°	90°
0°	372328	372328	372328
5°	343306	344084	344793
10°	266551	267513	268965
15°	131727	137272	137325
20°	44353	47322	45232
25°	18376	20409	18889
30°	7199	9068	7278
35°	1892	3700	1955
40°	697	1484	697
45°	73	414	73
50°	0	80	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: 414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.2	38.9
10°-20°	211.9	47.1
20°-30°	51.7	11.5
30°-40°	10.1	2.2
40°-50°	1.1	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°	438.8	97.5
0°-40°	448.9	99.7
0°-60°	450.0	100.0
0°-90°	450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2162	2162	2162	2162	2162	
5°	1986	1989	1990	1999	1994	175
15°	739	756	770	778	770	208
25°	97	102	107	103	99	49
35°	9	13	18	13	9	8
45°	0	1	2	1	0	1
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°	2161.9	2161.9	2161.9	2161.9	2161.9
1°	2153.6	2155.0	2155.3	2157.4	2153.2
2°	2133.9	2134.3	2135.3	2139.4	2135.6
3°	2097.7	2100.1	2100.4	2105.9	2107.0
4°	2048.3	2049.7	2052.4	2061.8	2053.5
5°	1985.8	1988.6	1990.3	1998.9	1994.4
6°	1908.5	1909.2	1913.0	1923.0	1916.8
7°	1829.8	1829.4	1829.8	1837.7	1836.0
8°	1734.8	1733.1	1738.6	1748.3	1754.8
9°	1635.7	1638.1	1641.6	1650.9	1643.3
10°	1524.2	1530.8	1529.7	1530.4	1538.0
11°	1395.8	1397.9	1398.2	1405.5	1404.4
12°	1244.9	1244.9	1256.3	1268.1	1264.3
13°	1092.7	1103.4	1095.8	1098.2	1113.4
14°	915.2	923.5	933.9	943.5	935.9
15°	738.8	756.4	769.9	777.5	770.2
17.5°	423.3	429.1	440.5	441.9	437.4
20°	242.0	249.3	258.2	255.5	246.8
22.5°	152.2	154.3	163.3	158.8	156.7
25°	96.7	101.8	107.4	102.9	99.4
27.5°	60.1	63.5	69.4	64.6	60.8
30°	36.2	39.4	45.6	39.0	36.6
32.5°	19.0	23.5	28.7	23.8	19.0
35°	9.0	12.8	17.6	12.8	9.3
37.5°	5.5	6.9	10.7	6.9	5.5
40°	3.1	4.5	6.6	4.5	3.1
42.5°	1.4	2.4	3.1	2.4	1.7
45°	0.3	1.0	1.7	1.0	0.3
47.5°	0.0	0.0	1.0	0.3	0.0
50°	0.0	0.0	0.3	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)