

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: P1309857

Luminaire Tested: LDSQA3D02R259035DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309857  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R259035DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

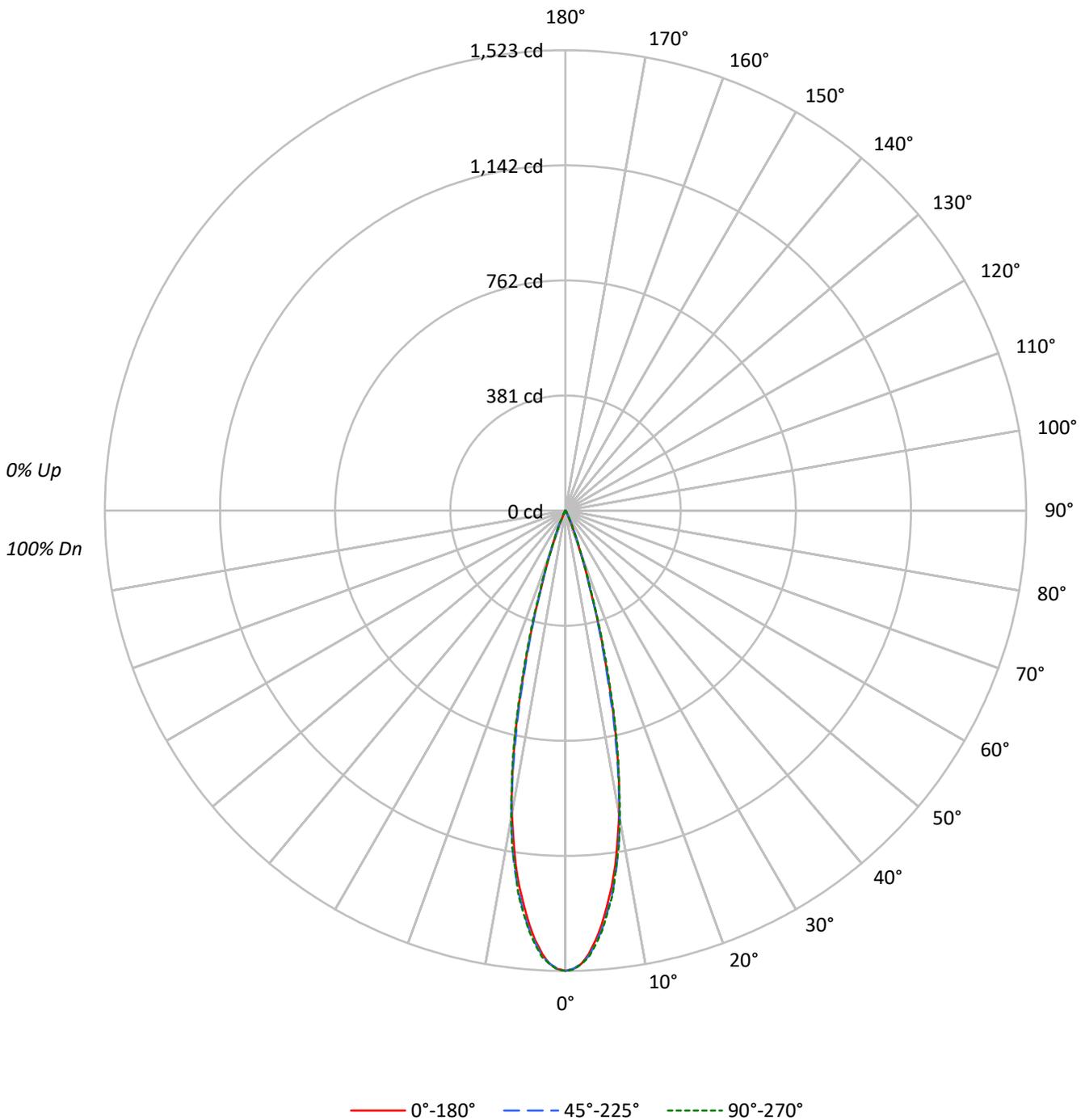
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 281.0 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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





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

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

	0°	45°	90°
0°	262226	262226	262226
5°	237624	239803	240961
10°	178639	179916	180738
15°	88454	85815	91538
20°	24980	25402	25677
25°	4333	8190	5150
30°	1690	1750	1790
35°	526	589	589
40°	180	225	180
45°	122	73	122
50°	80	0	80
55°	90	0	90
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: 0°

Vertical Angle: 45°

Luminance: 122 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	43.0
10°-20°	136.4	48.5
20°-30°	21.2	7.5
30°-40°	2.2	0.8
40°-50°	0.3	0.1
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°	278.5	99.1
0°-40°	280.7	99.9
0°-60°	281.0	100.0
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1523	1523	1523	1523	1523	
5°	1374	1377	1387	1393	1394	120
15°	496	493	481	503	513	136
25°	23	34	43	33	27	19
35°	2	3	3	3	3	2
45°	0	0	0	0	0	0
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°	1522.6	1522.6	1522.6	1522.6	1522.6
1°	1516.3	1518.3	1516.1	1518.6	1518.3
2°	1500.6	1502.6	1499.8	1501.3	1501.3
3°	1468.2	1472.5	1475.0	1476.8	1478.3
4°	1425.6	1430.4	1434.2	1438.7	1438.7
5°	1374.5	1377.0	1387.1	1392.6	1393.8
6°	1313.6	1323.7	1331.2	1342.2	1335.4
7°	1252.8	1261.0	1271.6	1273.3	1278.1
8°	1183.6	1192.4	1202.1	1200.4	1196.4
9°	1099.4	1112.2	1123.7	1120.0	1125.0
10°	1021.5	1029.3	1028.8	1025.0	1033.5
11°	931.1	932.8	923.0	938.3	929.0
12°	823.8	825.3	812.8	827.8	837.3
13°	721.1	717.6	700.3	720.1	732.1
14°	602.8	604.1	582.0	620.4	617.4
15°	496.1	492.6	481.3	502.9	513.4
17.5°	264.3	266.6	263.8	274.6	281.4
20°	136.3	140.1	138.6	143.1	140.1
22.5°	70.7	75.9	77.4	73.9	64.4
25°	22.8	33.8	43.1	32.8	27.1
27.5°	13.8	13.5	21.0	14.5	14.8
30°	8.5	8.3	8.8	8.8	9.0
32.5°	4.8	5.0	4.8	5.3	5.0
35°	2.5	2.8	2.8	3.0	2.8
37.5°	1.5	1.8	1.8	1.8	1.5
40°	0.8	1.0	1.0	0.8	0.8
42.5°	0.5	0.5	0.5	0.5	0.5
45°	0.5	0.3	0.3	0.3	0.5
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.3	0.0	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
55°	0.3	0.0	0.0	0.0	0.3
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)