

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: P1308719

Luminaire Tested: LDSQA3D02R209030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308719  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

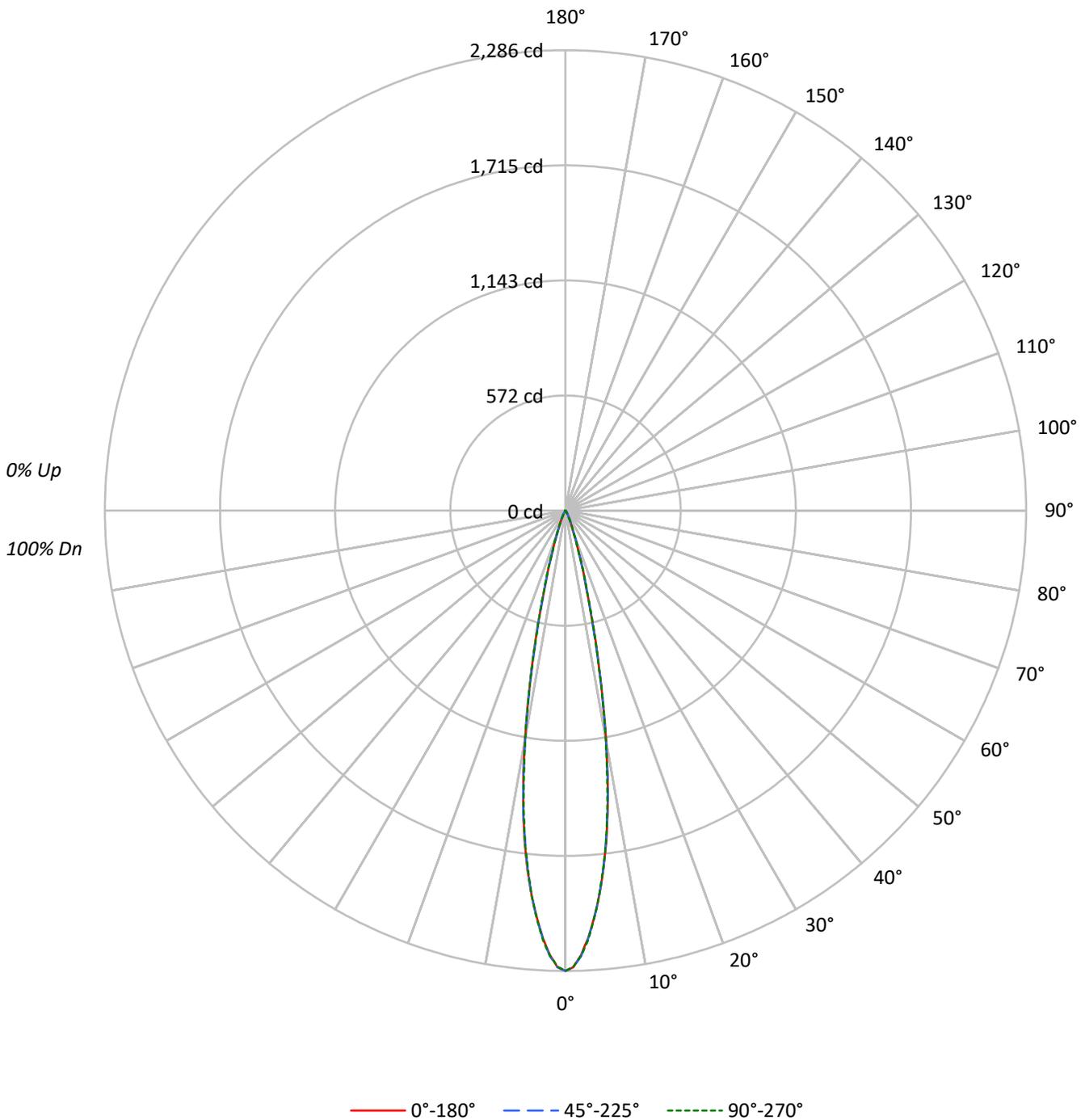
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 314.9 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
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	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	87	86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

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

	0°	45°	90°
0°	393667	393667	393667
5°	331810	331931	331758
10°	202196	201251	201723
15°	71230	71533	73744
20°	22378	23001	22506
25°	8380	9178	8608
30°	3242	4614	3401
35°	1219	2039	1325
40°	652	877	652
45°	244	414	292
50°	134	188	134
55°	150	150	150
60°	69	69	69
65°	82	82	82
70°	101	101	101
75°	0	0	133
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°	158.7	50.4
10°-20°	124.4	39.5
20°-30°	24.4	7.8
30°-40°	5.5	1.7
40°-50°	1.2	0.4
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	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°	307.5	97.7
0°-40°	313.0	99.4
0°-60°	314.6	99.9
0°-90°	314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	314.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2286	2286	2286	2286	2286	
5°	1919	1921	1920	1927	1919	159
15°	400	401	401	410	414	124
25°	44	47	48	48	45	23
35°	6	7	10	7	6	4
45°	1	2	2	2	1	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°	2285.8	2285.8	2285.8	2285.8	2285.8
1°	2267.3	2262.4	2268.0	2263.6	2264.6
2°	2208.6	2205.9	2213.2	2208.6	2211.0
3°	2126.9	2123.5	2128.9	2129.1	2135.9
4°	2029.4	2022.9	2030.9	2031.1	2032.4
5°	1919.3	1921.0	1920.0	1926.6	1919.0
6°	1795.5	1801.1	1793.8	1797.4	1786.9
7°	1657.0	1650.0	1646.3	1647.5	1654.8
8°	1504.2	1499.3	1504.7	1497.2	1492.0
9°	1334.4	1325.8	1331.7	1324.4	1317.0
10°	1156.2	1152.3	1150.8	1142.5	1153.5
11°	977.5	965.9	971.7	967.6	979.5
12°	810.4	811.3	799.9	803.5	805.0
13°	659.5	643.9	645.9	655.8	657.5
14°	511.6	513.8	514.5	521.6	525.7
15°	399.5	401.2	401.2	409.9	413.6
17.5°	214.2	214.2	218.9	219.8	220.3
20°	122.1	122.8	125.5	125.3	122.8
22.5°	73.1	74.6	76.0	74.6	73.1
25°	44.1	47.0	48.3	47.5	45.3
27.5°	26.3	29.5	32.9	30.2	26.1
30°	16.3	18.0	23.2	18.5	17.1
32.5°	9.0	11.7	15.8	12.2	9.3
35°	5.8	7.1	9.7	7.1	6.3
37.5°	4.1	4.9	6.1	5.1	4.4
40°	2.9	3.4	3.9	3.7	2.9
42.5°	1.9	2.4	2.7	2.4	1.9
45°	1.0	1.5	1.7	1.5	1.2
47.5°	0.5	0.7	1.2	0.7	0.5
50°	0.5	0.5	0.7	0.5	0.5
52.5°	0.5	0.5	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.5	0.5	0.2	0.5	0.2
60°	0.2	0.2	0.2	0.2	0.2
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2
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)