

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: P1310939

Luminaire Tested: LDSQA3D02R159040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310939  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159040DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

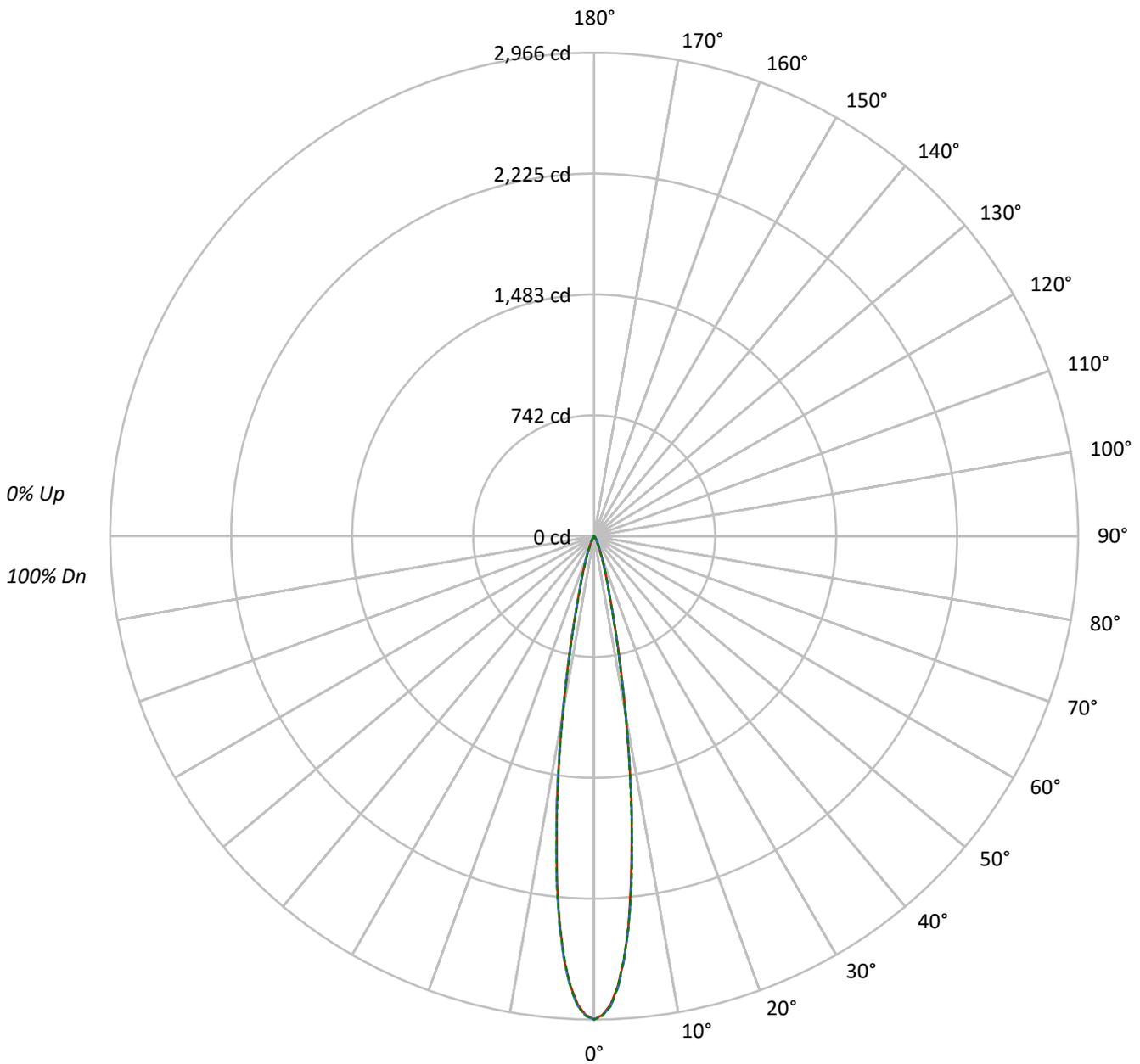
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 331.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
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



— 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	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	95	93	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	90	88	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	89	87	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	88	85	84	83

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

	0°	45°	90°
0°	510761	510761	510761
5°	415864	417213	416400
10°	193994	195725	193259
15°	60924	61424	61049
20°	24137	25090	23368
25°	9748	11782	9406
30°	3898	5369	3699
35°	1156	2376	1093
40°	360	877	292
45°	73	195	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: 195 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.7	56.1
10°-20°	111.1	33.6
20°-30°	28.0	8.5
30°-40°	5.7	1.7
40°-50°	0.5	0.2
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°	324.7	98.1
0°-40°	330.5	99.8
0°-60°	331.0	100.0
0°-90°	331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2966	2966	2966	2966	2966	
5°	2406	2401	2413	2407	2409	185
15°	342	344	344	340	342	111
25°	51	56	62	55	50	26
35°	6	7	11	7	5	5
45°	0	0	1	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°	2965.7	2965.7	2965.7	2965.7	2965.7
1°	2939.0	2949.0	2943.8	2947.9	2943.2
2°	2875.4	2888.8	2884.6	2883.3	2886.9
3°	2763.4	2778.8	2778.3	2774.4	2768.1
4°	2610.5	2604.2	2613.9	2612.8	2602.1
5°	2405.5	2401.0	2413.3	2407.3	2408.6
6°	2154.7	2174.0	2169.9	2170.4	2175.4
7°	1885.3	1895.7	1904.6	1912.0	1901.8
8°	1637.9	1635.2	1636.0	1644.4	1616.1
9°	1360.9	1377.1	1366.6	1349.9	1360.6
10°	1109.3	1119.2	1119.2	1104.6	1105.1
11°	884.4	892.5	886.7	890.4	867.4
12°	712.9	692.7	688.0	691.7	691.4
13°	544.3	545.6	544.3	544.0	541.4
14°	426.7	433.6	430.7	423.6	420.5
15°	341.7	344.5	344.5	339.6	342.4
17.5°	205.3	208.7	209.4	206.0	206.0
20°	131.7	133.3	136.9	132.0	127.5
22.5°	81.2	84.6	90.8	83.5	79.9
25°	51.3	56.0	62.0	55.0	49.5
27.5°	32.2	36.1	41.4	34.6	31.2
30°	19.6	22.3	27.0	21.7	18.6
32.5°	11.0	13.1	17.0	12.6	10.5
35°	5.5	7.3	11.3	7.1	5.2
37.5°	3.1	3.9	7.1	3.4	2.9
40°	1.6	2.1	3.9	2.1	1.3
42.5°	0.5	1.0	1.6	1.0	0.5
45°	0.3	0.5	0.8	0.5	0.3
47.5°	0.0	0.0	0.3	0.0	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)