

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: P1307678

Luminaire Tested: LDSQA3D02R459027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R459027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

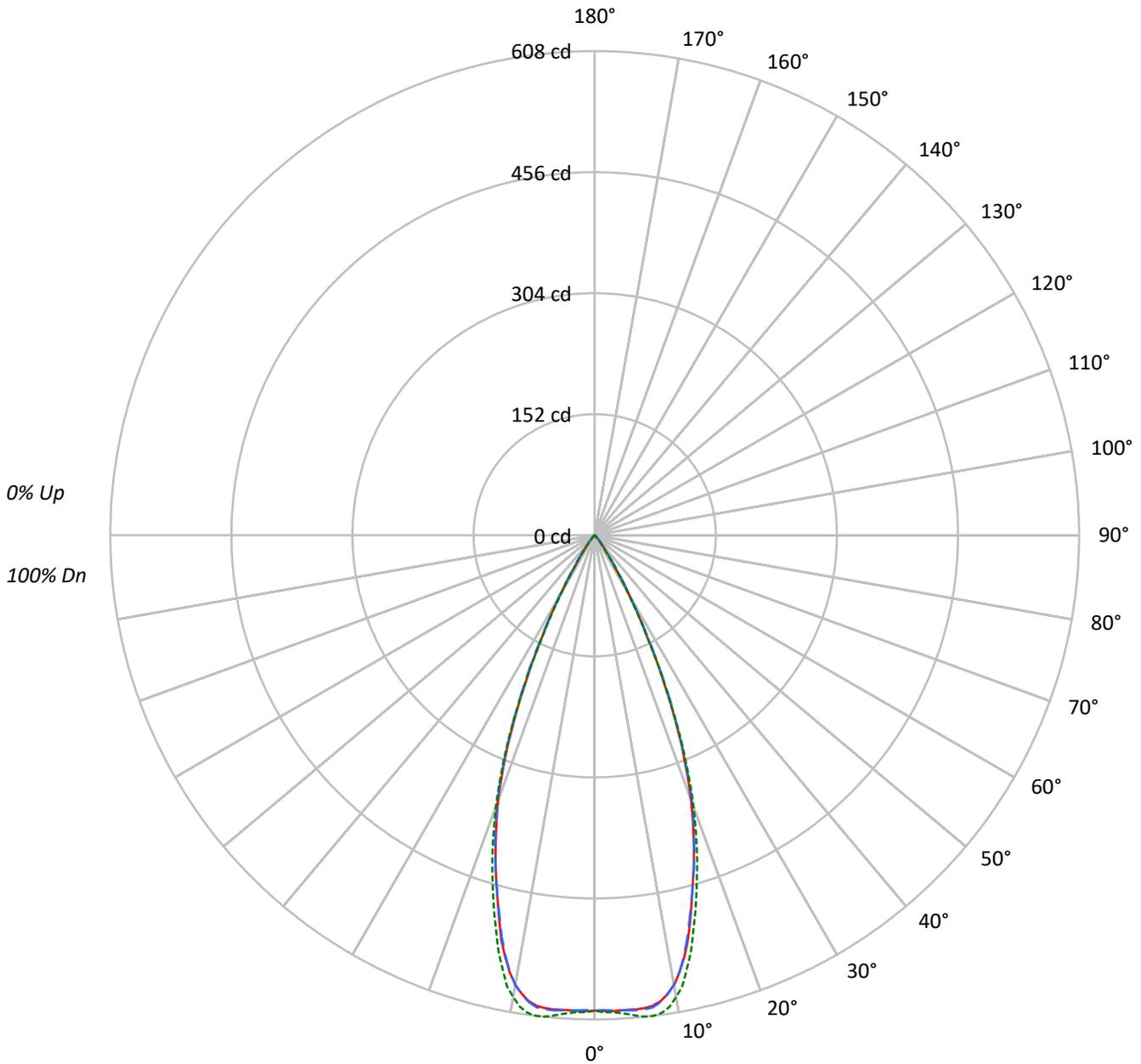
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 309.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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				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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	102817	102817	102817
5°	103331	103538	104714
10°	100258	100188	102969
15°	84032	83996	87081
20°	64953	65631	66547
25°	39830	40647	39906
30°	17083	17838	16526
35°	5361	6476	5214
40°	1844	2361	1799
45°	341	999	268
50°	188	375	188
55°	210	210	210
60°	172	172	172
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 999 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.7	18.4
10°-20°	131.1	42.4
20°-30°	96.0	31.1
30°-40°	21.2	6.9
40°-50°	2.6	0.8
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.2	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°	283.9	91.9
0°-40°	305.1	98.7
0°-60°	308.3	99.8
0°-90°	309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	309.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	597	597	597	597	597	
5°	598	597	599	603	606	56
15°	471	469	471	482	488	130
25°	210	209	214	212	210	95
35°	26	27	31	27	25	20
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
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°	597.0	597.0	597.0	597.0	597.0
1°	597.5	596.6	596.3	597.9	599.1
2°	597.9	596.8	597.0	598.6	599.3
3°	597.5	596.3	597.5	599.8	600.7
4°	597.3	596.8	597.9	601.1	602.7
5°	597.7	597.3	598.9	603.2	605.7
6°	597.0	596.3	598.6	604.1	607.7
7°	595.4	594.8	597.3	603.9	608.0
8°	591.1	589.7	592.2	600.4	605.5
9°	583.4	581.5	584.0	593.6	599.5
10°	573.3	571.3	572.9	582.2	588.8
11°	559.0	556.3	558.1	568.1	576.8
12°	540.8	536.9	539.2	550.6	556.7
13°	520.9	517.3	517.8	528.0	536.7
14°	496.3	491.6	493.6	504.3	511.2
15°	471.3	468.8	471.1	482.5	488.4
17.5°	413.9	413.7	415.7	424.1	427.3
20°	354.4	355.1	358.1	362.6	363.1
22.5°	284.1	284.3	287.5	290.7	290.0
25°	209.6	209.3	213.9	212.3	210.0
27.5°	139.0	139.9	144.0	141.0	138.7
30°	85.9	87.7	89.7	86.1	83.1
32.5°	46.5	49.4	52.4	49.2	46.2
35°	25.5	26.9	30.8	26.9	24.8
37.5°	14.8	15.5	18.0	15.5	14.1
40°	8.2	9.3	10.5	9.3	8.0
42.5°	3.4	5.2	6.4	5.2	3.4
45°	1.4	2.3	4.1	2.3	1.1
47.5°	0.7	0.9	2.5	0.9	0.7
50°	0.7	0.7	1.4	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.5	0.5	0.5	0.7	0.5
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.5	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
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)