

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: P1315453

Luminaire Tested: LDSQA3D09R309735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

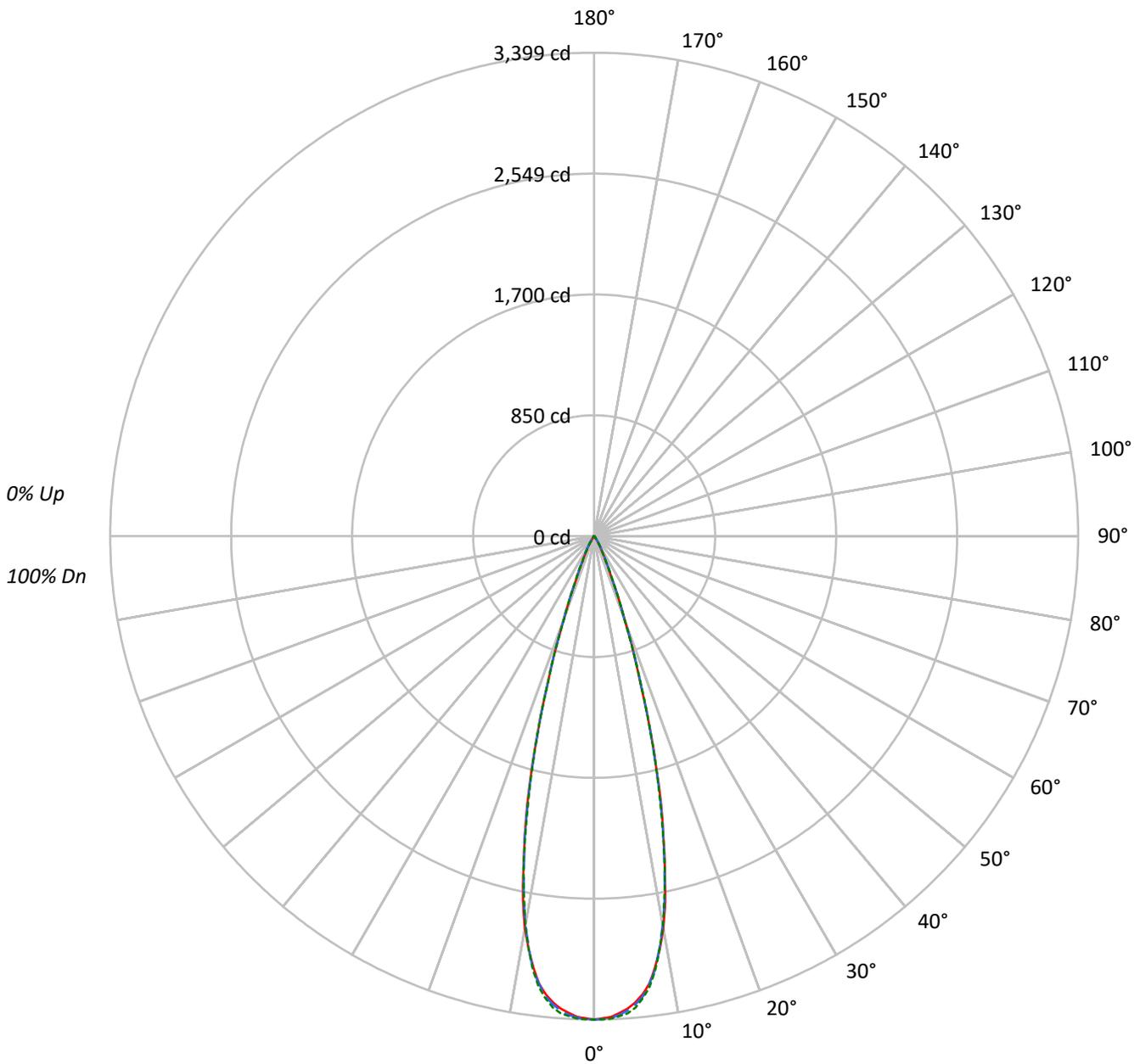
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 884.1 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	585385	585385	585385
5°	569347	571820	575346
10°	489575	485395	485885
15°	300824	298400	298631
20°	114492	114749	112623
25°	36409	38366	36542
30°	14656	18176	15054
35°	4731	8031	4731
40°	2136	3530	2136
45°	828	1486	828
50°	375	723	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1486 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.8	33.9
10°-20°	444.8	50.3
20°-30°	110.5	12.5
30°-40°	22.1	2.5
40°-50°	4.0	0.5
50°-60°	1.3	0.1
60°-70°	0.9	0.1
70°-80°	0.6	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°	855.1	96.7
0°-40°	877.2	99.2
0°-60°	882.5	99.8
0°-90°	884.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3399	3399	3399	3399	3399	
5°	3293	3304	3308	3312	3328	299
15°	1687	1691	1674	1679	1675	446
25°	192	196	202	199	192	107
35°	22	29	38	29	22	18
45°	3	4	6	5	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	3399.0	3399.0	3399.0	3399.0	3399.0
1°	3391.5	3395.6	3398.3	3398.3	3398.3
2°	3381.9	3384.6	3388.7	3389.4	3394.9
3°	3359.4	3365.6	3372.4	3376.5	3379.2
4°	3332.1	3340.3	3344.4	3354.6	3363.5
5°	3293.3	3304.2	3307.6	3312.4	3328.0
6°	3240.7	3248.9	3255.8	3257.8	3267.3
7°	3171.2	3175.3	3173.9	3177.3	3194.4
8°	3065.5	3066.8	3078.4	3070.9	3082.5
9°	2940.0	2934.5	2931.8	2937.3	2938.0
10°	2799.5	2781.1	2775.6	2770.9	2778.4
11°	2617.4	2593.6	2595.6	2594.2	2583.3
12°	2391.0	2388.3	2370.5	2374.0	2390.3
13°	2159.8	2164.6	2161.2	2165.3	2146.9
14°	1942.9	1919.8	1925.9	1902.7	1911.6
15°	1687.2	1690.6	1673.6	1679.0	1674.9
17.5°	1080.2	1087.8	1082.3	1077.5	1085.0
20°	624.7	624.0	626.1	619.9	614.5
22.5°	328.7	333.5	339.6	340.3	344.4
25°	191.6	195.7	201.9	199.1	192.3
27.5°	117.3	124.8	134.3	127.5	119.3
30°	73.7	79.8	91.4	80.5	75.7
32.5°	41.6	50.5	60.0	50.5	41.6
35°	22.5	29.3	38.2	28.6	22.5
37.5°	15.0	17.0	25.2	17.0	15.0
40°	9.5	11.6	15.7	11.6	9.5
42.5°	5.5	7.5	8.9	7.5	5.5
45°	3.4	4.1	6.1	4.8	3.4
47.5°	1.4	2.0	4.1	2.0	2.0
50°	1.4	1.4	2.7	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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)