

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: P1314498

Luminaire Tested: LDSQA3D09R359730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314498  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

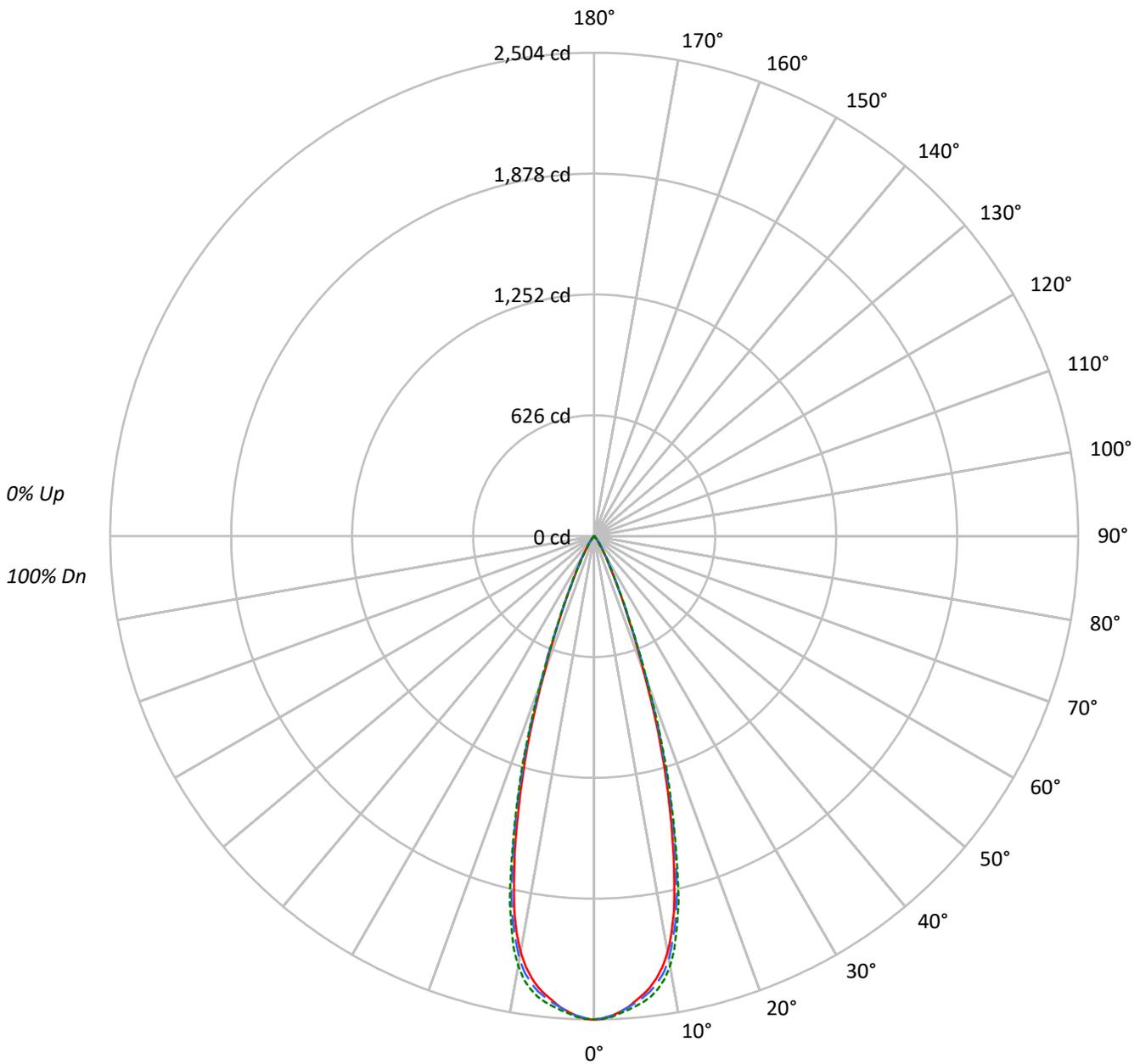
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 841.1 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	431194	431194	431194
5°	418423	419909	422745
10°	382759	389404	395367
15°	274739	284813	287737
20°	138208	146254	146620
25°	52371	54006	54253
30°	21279	24401	20881
35°	7737	11732	7443
40°	3237	5014	3103
45°	804	2070	804
50°	536	884	536
55°	601	601	601
60°	689	689	689
65°	530	530	530
70°	352	352	352
75°	466	466	466
80°	694	694	694
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2070 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.4	26.9
10°-20°	421.7	50.1
20°-30°	151.7	18.0
30°-40°	31.9	3.8
40°-50°	5.5	0.7
50°-60°	1.8	0.2
60°-70°	1.3	0.2
70°-80°	0.7	0.1
80°-90°	0.1	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°	799.7	95.1
0°-40°	831.6	98.9
0°-60°	838.9	99.7
0°-90°	841.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2504	2504	2504	2504	2504	
5°	2420	2425	2429	2445	2445	224
15°	1541	1568	1597	1614	1614	410
25°	276	280	284	287	286	147
35°	37	43	56	43	35	28
45°	3	5	8	5	3	4
55°	2	2	2	2	2	2
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°	2503.7	2503.7	2503.7	2503.7	2503.7
1°	2502.4	2502.4	2497.1	2503.0	2501.0
2°	2488.6	2489.9	2486.6	2493.8	2493.2
3°	2469.5	2472.8	2470.2	2480.7	2477.4
4°	2449.2	2451.8	2450.5	2463.6	2462.3
5°	2420.3	2424.9	2428.9	2445.3	2445.3
6°	2390.8	2395.4	2403.9	2421.6	2427.5
7°	2356.7	2362.6	2376.4	2400.0	2403.9
8°	2313.4	2319.9	2338.9	2364.5	2369.8
9°	2259.5	2269.4	2291.0	2321.9	2325.2
10°	2188.7	2196.5	2226.7	2252.3	2260.8
11°	2096.8	2103.3	2130.3	2171.6	2176.8
12°	1985.2	1993.1	2027.9	2054.8	2060.0
13°	1844.1	1859.2	1901.2	1927.5	1941.9
14°	1699.1	1719.4	1749.6	1787.0	1777.8
15°	1540.9	1567.8	1597.4	1614.4	1613.8
17.5°	1153.1	1168.8	1195.1	1204.9	1218.0
20°	754.1	774.4	798.0	807.2	800.0
22.5°	467.9	473.2	480.4	484.3	483.0
25°	275.6	279.6	284.2	286.8	285.5
27.5°	166.0	175.2	181.8	173.9	169.3
30°	107.0	110.9	122.7	112.2	105.0
32.5°	63.7	72.8	82.7	70.2	61.0
35°	36.8	43.3	55.8	42.7	35.4
37.5°	23.6	26.9	36.1	26.3	23.0
40°	14.4	18.4	22.3	17.1	13.8
42.5°	7.2	11.2	13.1	9.8	7.2
45°	3.3	5.3	8.5	5.3	3.3
47.5°	2.0	2.6	5.3	2.6	2.0
50°	2.0	2.0	3.3	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
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°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	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)