

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: P1319231

Luminaire Tested: LDSQA3D13R309835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319231  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

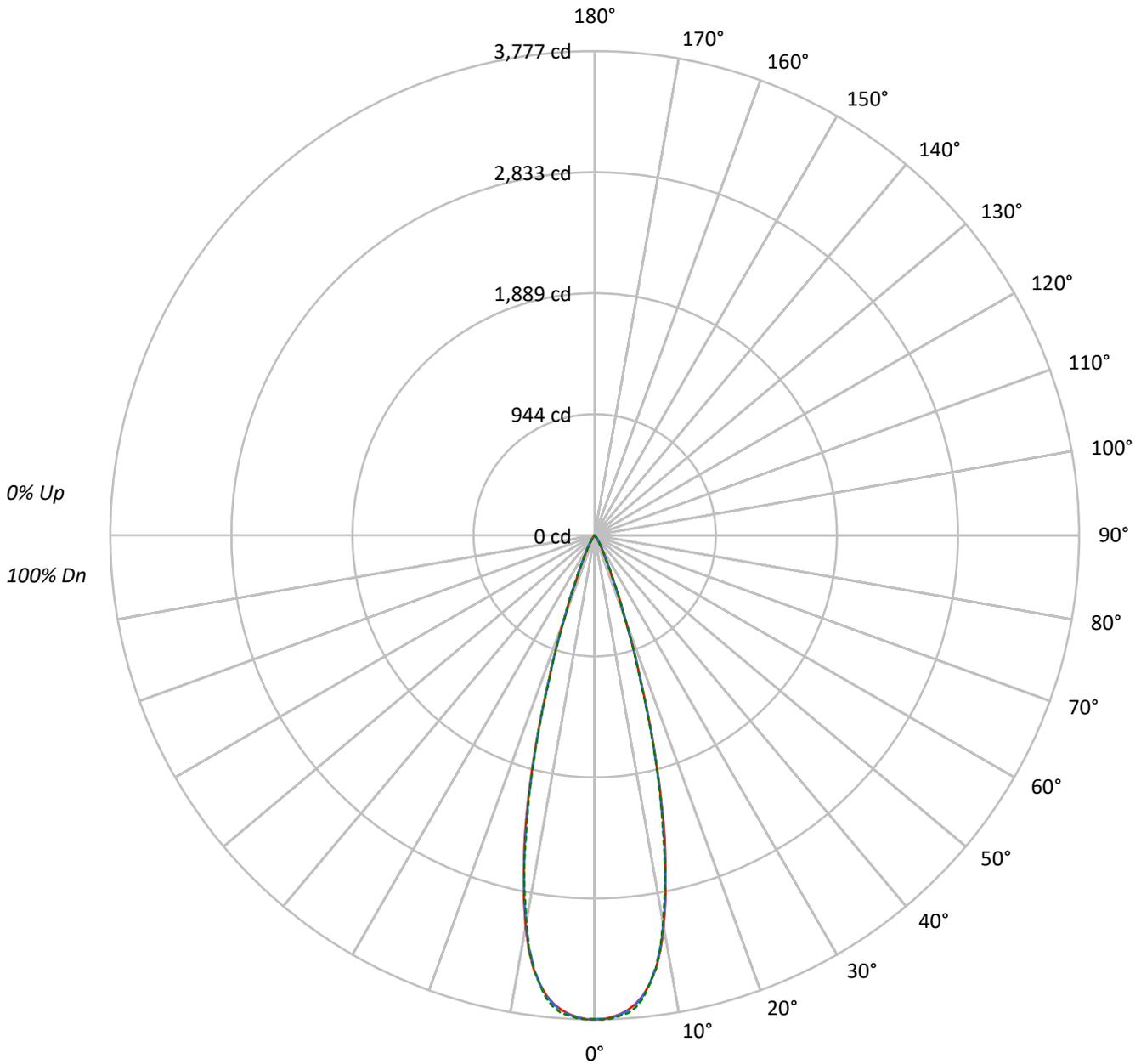
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 974.0 lumens  
Efficiency: N/A  
Efficacy: 67.2 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): 14.5  
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

TEST NUMBER: P1319231  
CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQCDR1MMS

### Luminous Intensity Polar Plot



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



TEST NUMBER: P1319231

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQCDR1MMS

**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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	650089	650089	650089
5°	634247	635025	638569
10°	541689	539171	535988
15°	334291	330368	331581
20°	126332	127028	126900
25°	38860	42604	40590
30°	15671	19887	16267
35°	4625	8431	4773
40°	1866	3417	1866
45°	365	1096	365
50°	0	214	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: 1096 cd/sqm



TEST NUMBER: P1319231

CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQCDR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.9	34.2
10°-20°	492.9	50.6
20°-30°	122.3	12.6
30°-40°	23.0	2.4
40°-50°	2.9	0.3
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°	948.1	97.3
0°-40°	971.1	99.7
0°-60°	974.0	100.0
0°-90°	974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3775	3775	3775	3775	3775	
5°	3669	3667	3673	3679	3694	333
15°	1875	1857	1853	1867	1860	495
25°	204	218	224	224	214	118
35°	22	29	40	30	23	18
45°	2	2	4	3	2	2
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



TEST NUMBER: P1319231  
 CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3774.7	3774.7	3774.7	3774.7	3774.7
1°	3776.2	3773.2	3773.2	3768.6	3777.0
2°	3762.6	3759.6	3764.9	3761.1	3771.7
3°	3742.1	3738.3	3745.9	3748.2	3753.5
4°	3711.8	3708.8	3717.1	3721.7	3736.1
5°	3668.7	3667.1	3673.2	3679.3	3693.7
6°	3609.6	3607.3	3611.1	3618.7	3627.7
7°	3524.0	3519.4	3522.5	3524.0	3526.2
8°	3415.6	3408.8	3405.0	3413.4	3417.9
9°	3276.3	3268.7	3260.4	3257.3	3267.9
10°	3097.5	3086.1	3083.1	3075.5	3064.9
11°	2889.9	2880.8	2878.6	2864.9	2858.9
12°	2652.1	2647.5	2652.8	2644.5	2641.5
13°	2424.1	2395.3	2391.5	2375.6	2367.2
14°	2154.4	2127.9	2127.1	2118.8	2130.1
15°	1874.9	1856.7	1852.9	1867.3	1859.7
17.5°	1195.4	1207.5	1204.5	1196.9	1184.0
20°	689.3	681.0	693.1	696.2	692.4
22.5°	367.4	370.4	372.7	381.8	387.8
25°	204.5	218.2	224.2	223.5	213.6
27.5°	127.3	135.6	147.0	139.4	131.1
30°	78.8	85.6	100.0	86.4	81.8
32.5°	42.4	53.8	64.4	53.8	43.9
35°	22.0	28.8	40.1	29.5	22.7
37.5°	14.4	16.7	25.8	16.7	14.4
40°	8.3	10.6	15.2	10.6	8.3
42.5°	3.8	6.1	8.3	6.1	3.8
45°	1.5	2.3	4.5	3.0	1.5
47.5°	0.0	0.8	2.3	0.8	0.0
50°	0.0	0.0	0.8	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



TEST NUMBER: P1319231  
CATALOG NUMBER: LDSQA3D13R309835DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)