

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: P1318355

Luminaire Tested: LDSQA3D13R309830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318355  
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: LDSQA3D13R309830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

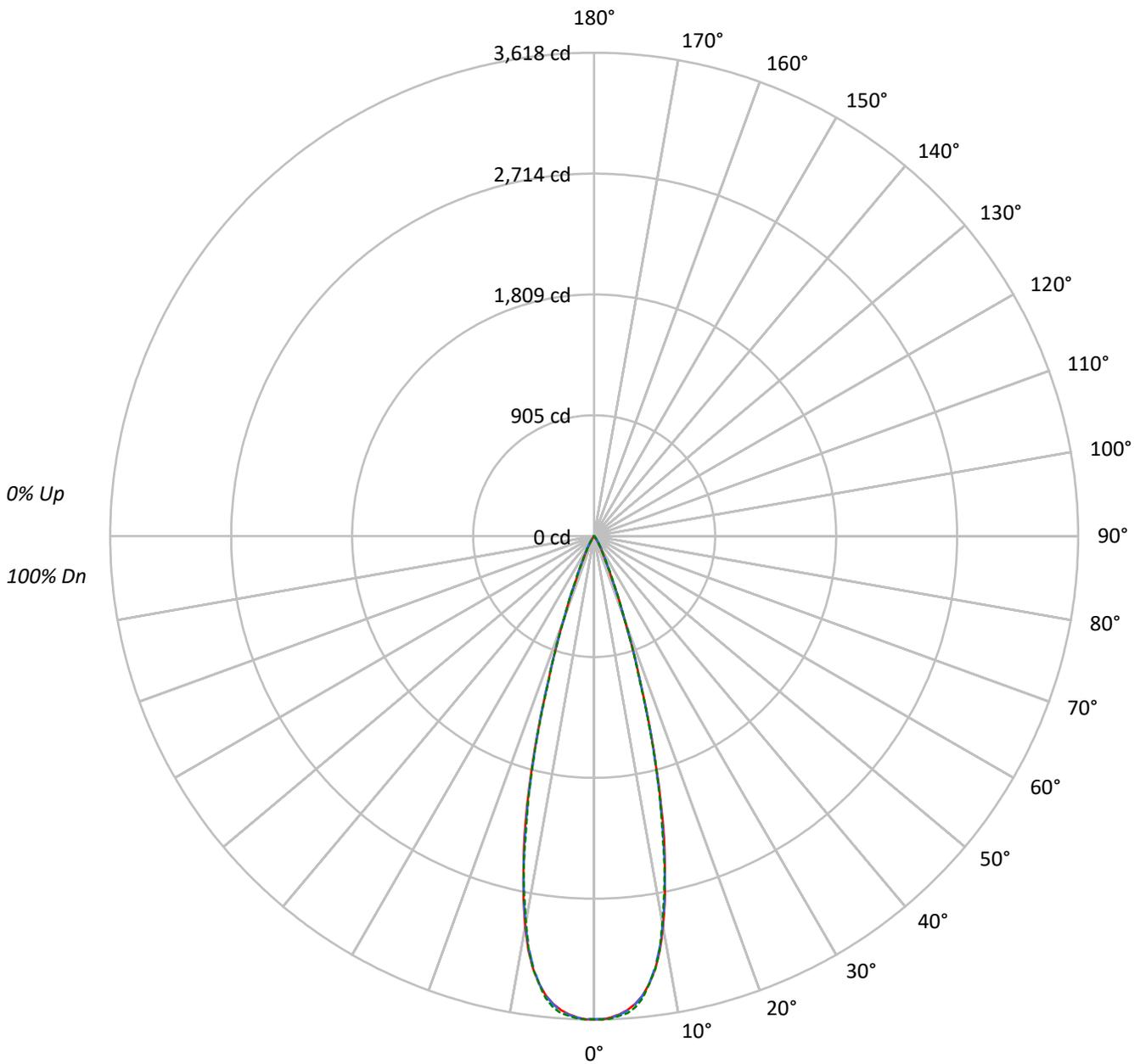
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 933.0 lumens  
Efficiency: N/A  
Efficacy: 64.3 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 (Ain): 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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CATALOG NUMBER: LDSQA3D13R309830DE010 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

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

	0°	45°	90°
0°	622723	622723	622723
5°	607537	608297	611686
10°	518885	516471	513429
15°	320205	316461	317620
20°	121017	121695	121548
25°	37226	40818	38879
30°	15014	19051	15591
35°	4415	8094	4583
40°	1799	3260	1799
45°	365	1072	365
50°	0	188	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: 1072 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.9	34.2
10°-20°	472.2	50.6
20°-30°	117.1	12.6
30°-40°	22.0	2.4
40°-50°	2.8	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°	908.2	97.3
0°-40°	930.2	99.7
0°-60°	933.0	100.0
0°-90°	933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3616	3616	3616	3616	3616	
5°	3514	3513	3519	3524	3538	319
15°	1796	1778	1775	1789	1781	475
25°	196	209	215	214	205	113
35°	21	28	38	28	22	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



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 CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQCDR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3615.8	3615.8	3615.8	3615.8	3615.8
1°	3617.3	3614.4	3614.4	3610.0	3618.0
2°	3604.2	3601.3	3606.4	3602.8	3612.9
3°	3584.6	3581.0	3588.2	3590.4	3595.5
4°	3555.6	3552.7	3560.7	3565.0	3578.8
5°	3514.2	3512.8	3518.6	3524.4	3538.2
6°	3457.6	3455.4	3459.1	3466.3	3475.0
7°	3375.6	3371.3	3374.2	3375.6	3377.8
8°	3271.9	3265.3	3261.7	3269.7	3274.0
9°	3138.3	3131.1	3123.1	3120.2	3130.4
10°	2967.1	2956.2	2953.3	2946.1	2935.9
11°	2768.3	2759.6	2757.4	2744.3	2738.5
12°	2540.4	2536.1	2541.2	2533.2	2530.3
13°	2322.0	2294.4	2290.8	2275.6	2267.6
14°	2063.7	2038.3	2037.6	2029.6	2040.5
15°	1795.9	1778.5	1774.9	1788.7	1781.4
17.5°	1145.0	1156.7	1153.8	1146.5	1134.2
20°	660.3	652.3	664.0	666.9	663.2
22.5°	351.9	354.8	357.0	365.7	371.5
25°	195.9	209.0	214.8	214.1	204.6
27.5°	121.9	129.9	140.8	133.5	125.5
30°	75.5	82.0	95.8	82.7	78.4
32.5°	40.6	51.5	61.7	51.5	42.1
35°	21.0	27.6	38.5	28.3	21.8
37.5°	13.8	16.0	24.7	16.0	13.8
40°	8.0	10.2	14.5	10.2	8.0
42.5°	3.6	5.8	8.0	5.8	3.6
45°	1.5	2.2	4.4	2.9	1.5
47.5°	0.0	0.7	2.2	0.7	0.0
50°	0.0	0.0	0.7	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)