

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: P1318356

Luminaire Tested: LDSQA3D13R309830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

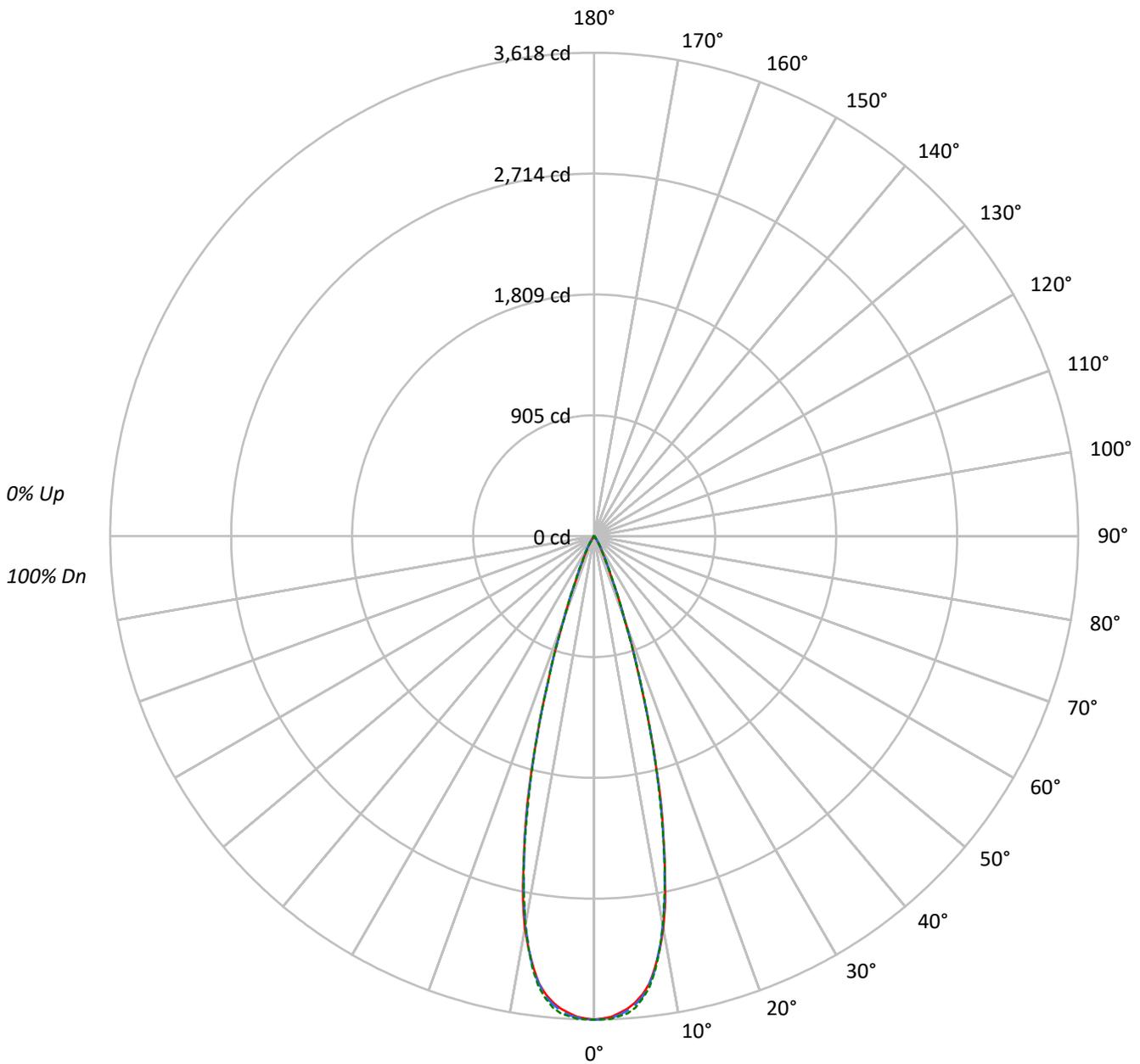
Test Method: LM-79-2019  
Report Number: P1318356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309830DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 941.0 lumens  
Efficiency: N/A  
Efficacy: 64.9 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

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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	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	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°	623119	623119	623119
5°	606050	608695	612446
10°	521141	516699	517206
15°	320223	317638	317888
20°	121878	122135	119881
25°	38765	40837	38898
30°	15591	19350	16029
35°	5046	8557	5046
40°	2293	3755	2293
45°	877	1583	877
50°	402	777	402
55°	450	450	450
60°	517	517	517
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: 1583 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.2	33.9
10°-20°	473.5	50.3
20°-30°	117.6	12.5
30°-40°	23.5	2.5
40°-50°	4.3	0.5
50°-60°	1.4	0.1
60°-70°	1.0	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°	910.2	96.7
0°-40°	933.7	99.2
0°-60°	939.4	99.8
0°-90°	941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3618	3618	3618	3618	3618	
5°	3506	3517	3521	3526	3543	319
15°	1796	1800	1782	1787	1783	475
25°	204	208	215	212	205	114
35°	24	31	41	30	24	19
45°	4	4	6	5	4	3
55°	2	2	2	2	2	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°	3618.1	3618.1	3618.1	3618.1	3618.1
1°	3610.1	3614.5	3617.4	3617.4	3617.4
2°	3600.0	3602.9	3607.2	3608.0	3613.8
3°	3576.0	3582.6	3589.8	3594.2	3597.1
4°	3547.0	3555.7	3560.1	3570.9	3580.4
5°	3505.6	3517.2	3520.9	3525.9	3542.6
6°	3449.7	3458.4	3465.7	3467.9	3478.0
7°	3375.7	3380.0	3378.6	3382.2	3400.3
8°	3263.1	3264.6	3276.9	3269.0	3281.3
9°	3129.6	3123.8	3120.9	3126.7	3127.4
10°	2980.0	2960.4	2954.6	2949.5	2957.5
11°	2786.2	2760.8	2763.0	2761.5	2749.9
12°	2545.2	2542.3	2523.4	2527.0	2544.5
13°	2299.1	2304.2	2300.5	2304.9	2285.3
14°	2068.2	2043.5	2050.1	2025.4	2034.8
15°	1796.0	1799.6	1781.5	1787.3	1782.9
17.5°	1149.9	1157.9	1152.1	1147.0	1155.0
20°	665.0	664.2	666.4	659.9	654.1
22.5°	349.9	355.0	361.5	362.2	366.6
25°	204.0	208.3	214.9	212.0	204.7
27.5°	124.9	132.8	143.0	135.8	127.0
30°	78.4	84.9	97.3	85.7	80.6
32.5°	44.3	53.7	63.9	53.7	44.3
35°	24.0	31.2	40.7	30.5	24.0
37.5°	16.0	18.1	26.9	18.1	16.0
40°	10.2	12.3	16.7	12.3	10.2
42.5°	5.8	8.0	9.4	8.0	5.8
45°	3.6	4.4	6.5	5.1	3.6
47.5°	1.5	2.2	4.4	2.2	2.2
50°	1.5	1.5	2.9	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
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)