

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: P1323938

Luminaire Tested: LDSQA3D13R409030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

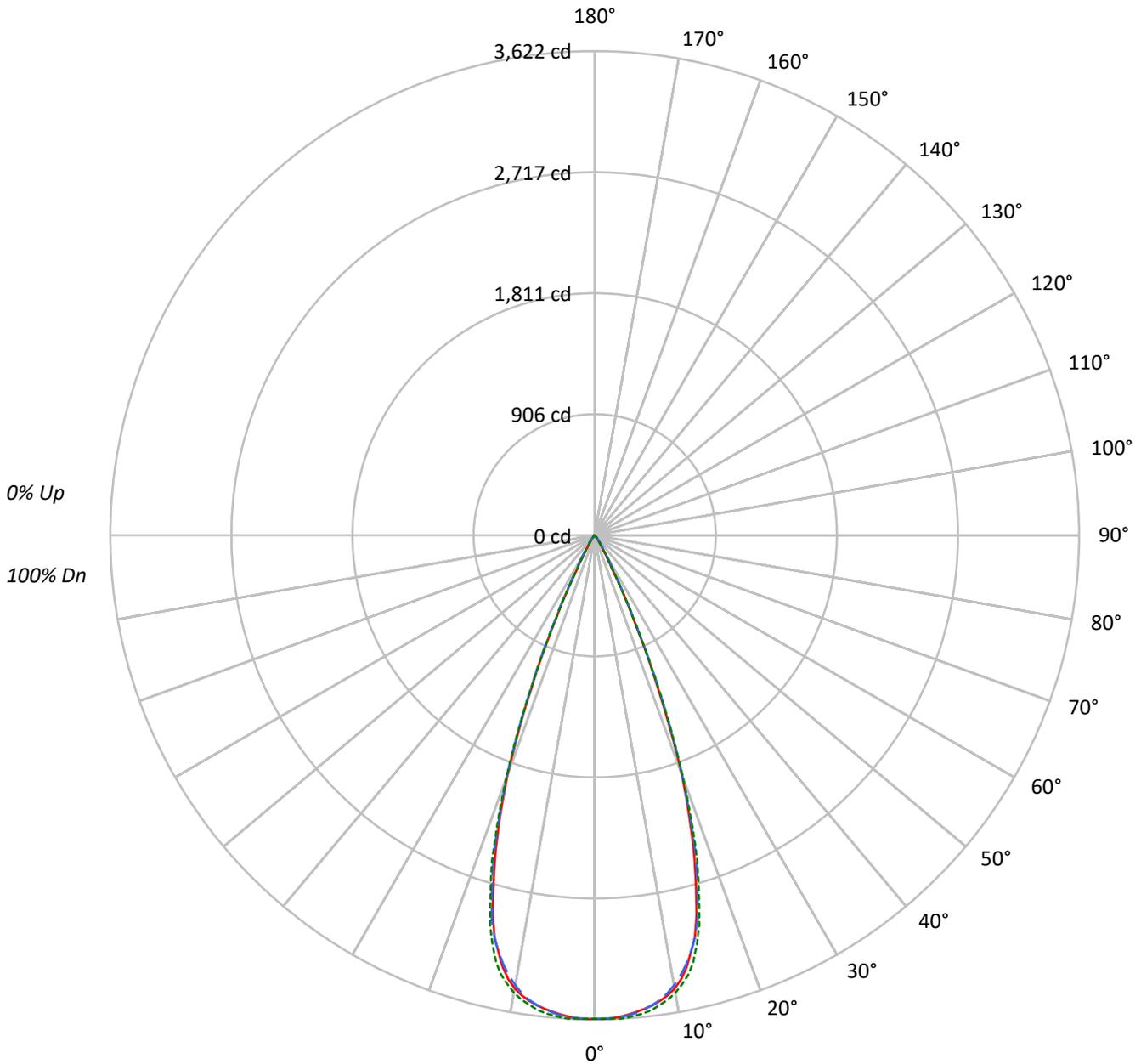
Test Method: LM-79-2019  
Report Number: P1323938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R409030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1531.1 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.1  
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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**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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	622998	622998	622998
5°	618878	619794	623148
10°	602110	597598	607566
15°	524624	529991	538246
20°	349451	351229	354583
25°	127052	130928	127660
30°	26986	36174	26986
35°	9503	16063	9062
40°	3395	5081	3395
45°	779	2095	779
50°	589	857	589
55°	661	661	661
60°	758	758	758
65°	448	897	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2095 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.0	22.1
10°-20°	787.7	51.4
20°-30°	354.5	23.2
30°-40°	40.3	2.6
40°-50°	5.8	0.4
50°-60°	2.0	0.1
60°-70°	1.7	0.1
70°-80°	1.0	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°	1480.3	96.7
0°-40°	1520.6	99.3
0°-60°	1528.4	99.8
0°-90°	1531.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1531.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3617	3617	3617	3617	3617	
5°	3580	3575	3585	3601	3604	338
15°	2942	2950	2972	2996	3019	781
25°	669	673	689	689	672	346
35°	45	51	76	48	43	34
45°	3	5	9	5	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	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°	3617.4	3617.4	3617.4	3617.4	3617.4
1°	3619.6	3616.4	3615.3	3621.7	3616.4
2°	3616.4	3614.2	3615.3	3621.7	3617.4
3°	3606.7	3607.7	3611.0	3622.8	3621.7
4°	3594.8	3593.8	3600.2	3615.3	3615.3
5°	3579.8	3575.4	3585.1	3601.3	3604.5
6°	3562.5	3557.1	3564.7	3585.1	3592.7
7°	3543.2	3532.4	3538.8	3563.6	3573.3
8°	3517.3	3503.3	3510.9	3535.6	3543.2
9°	3485.0	3463.5	3469.9	3500.1	3515.2
10°	3443.0	3416.1	3417.2	3450.6	3474.2
11°	3383.8	3353.7	3354.7	3396.7	3421.5
12°	3305.2	3278.3	3283.7	3322.4	3362.3
13°	3198.6	3191.1	3197.6	3239.5	3276.1
14°	3095.3	3087.7	3099.6	3138.3	3155.6
15°	2942.4	2949.9	2972.5	2996.2	3018.8
17.5°	2457.9	2487.0	2513.9	2530.1	2549.4
20°	1906.7	1873.3	1916.4	1897.0	1934.7
22.5°	1230.6	1255.3	1266.1	1255.3	1259.6
25°	668.6	672.9	689.0	689.0	671.8
27.5°	284.2	306.8	327.3	319.8	284.2
30°	135.7	156.1	181.9	157.2	135.7
32.5°	76.4	90.4	117.4	88.3	74.3
35°	45.2	50.6	76.4	48.4	43.1
37.5°	26.9	28.0	42.0	29.1	25.8
40°	15.1	18.3	22.6	18.3	15.1
42.5°	7.5	10.8	14.0	10.8	7.5
45°	3.2	5.4	8.6	5.4	3.2
47.5°	3.2	3.2	5.4	3.2	3.2
50°	2.2	2.2	3.2	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	2.2	2.2	2.2	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)