

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: P1314014

Luminaire Tested: LDSQA3D20R409727D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

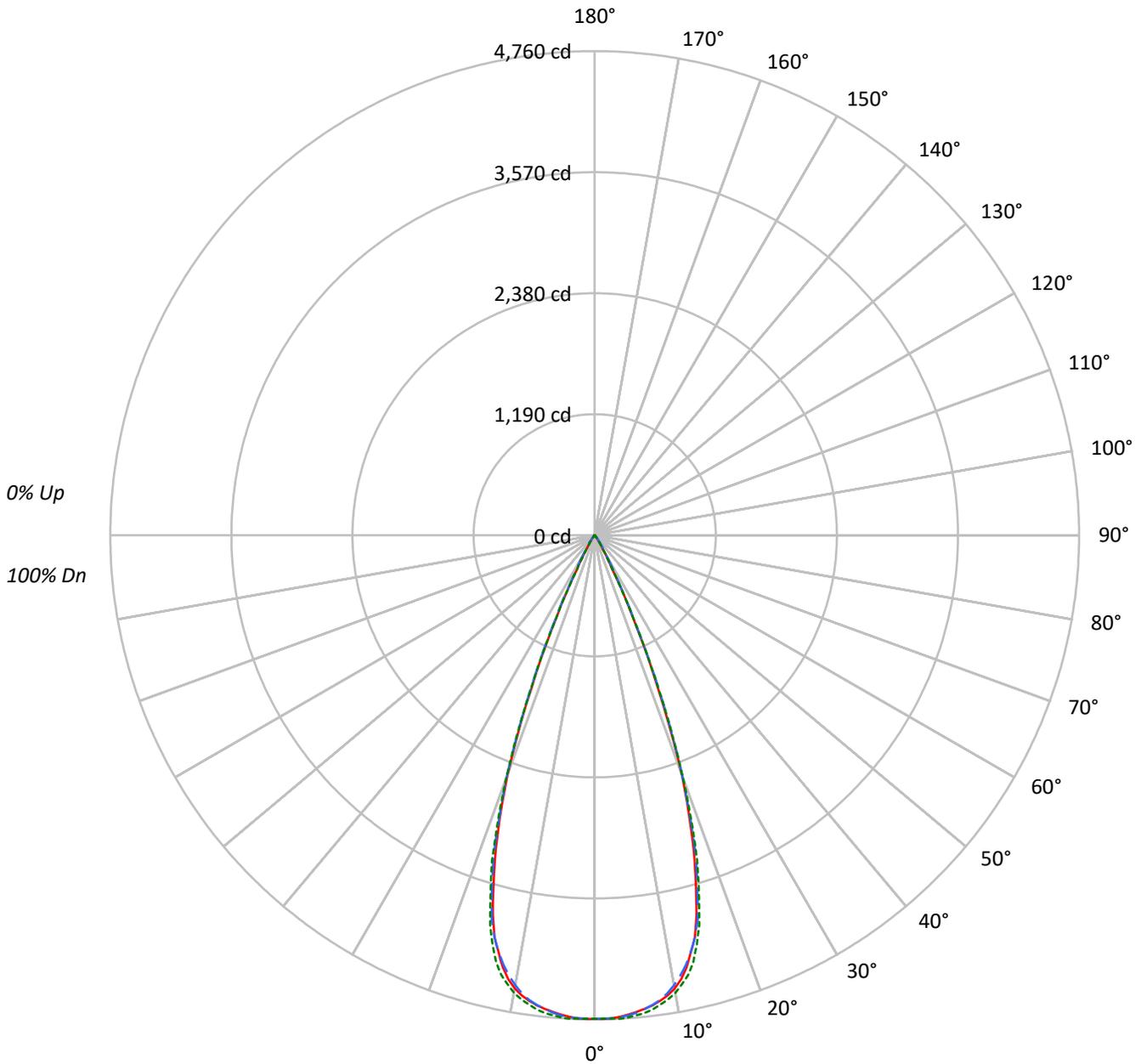
Test Method: LM-79-2019  
Report Number: P1314014  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409727D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2011.9 lumens  
Efficiency: N/A  
Efficacy: 69.9 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): 28.8  
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% Up  
100% Dn

— 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	70	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	818729	818729	818729
5°	813299	814526	818935
10°	791277	785349	798465
15°	689443	696503	707362
20°	459233	461579	465978
25°	166957	172069	167775
30°	35458	47549	35458
35°	12489	21130	11900
40°	4451	6677	4451
45°	1023	2752	1023
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	1141	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2752 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.2	22.1
10°-20°	1035.2	51.5
20°-30°	465.9	23.2
30°-40°	53.0	2.6
40°-50°	7.6	0.4
50°-60°	2.5	0.1
60°-70°	2.2	0.1
70°-80°	1.3	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°	1945.3	96.7
0°-40°	1998.3	99.3
0°-60°	2008.5	99.8
0°-90°	2011.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2011.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4754	4754	4754	4754	4754	
5°	4704	4699	4712	4733	4737	444
15°	3867	3877	3906	3938	3967	1027
25°	879	884	906	906	883	455
35°	59	66	100	64	57	44
45°	4	7	11	7	4	6
55°	3	3	3	3	3	3
65°	1	3	3	3	1	2
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°	4753.9	4753.9	4753.9	4753.9	4753.9
1°	4756.8	4752.5	4751.1	4759.6	4752.5
2°	4752.5	4749.7	4751.1	4759.6	4753.9
3°	4739.8	4741.2	4745.5	4761.0	4759.6
4°	4724.2	4722.8	4731.3	4751.1	4751.1
5°	4704.4	4698.8	4711.5	4732.7	4737.0
6°	4681.8	4674.7	4684.6	4711.5	4721.4
7°	4656.3	4642.2	4650.7	4683.2	4695.9
8°	4622.4	4604.0	4613.9	4646.4	4656.3
9°	4579.9	4551.6	4560.1	4599.7	4619.5
10°	4524.7	4489.4	4490.8	4534.6	4565.8
11°	4446.9	4407.3	4408.7	4463.9	4496.4
12°	4343.6	4308.3	4315.3	4366.3	4418.6
13°	4203.6	4193.7	4202.1	4257.3	4305.4
14°	4067.7	4057.8	4073.4	4124.3	4147.0
15°	3866.8	3876.7	3906.4	3937.6	3967.3
17.5°	3230.1	3268.3	3303.7	3324.9	3350.4
20°	2505.7	2461.9	2518.5	2493.0	2542.5
22.5°	1617.2	1649.7	1663.9	1649.7	1655.4
25°	878.6	884.3	905.5	905.5	882.9
27.5°	373.5	403.2	430.1	420.2	373.5
30°	178.3	205.2	239.1	206.6	178.3
32.5°	100.5	118.8	154.2	116.0	97.6
35°	59.4	66.5	100.5	63.7	56.6
37.5°	35.4	36.8	55.2	38.2	34.0
40°	19.8	24.1	29.7	24.1	19.8
42.5°	9.9	14.1	18.4	14.1	9.9
45°	4.2	7.1	11.3	7.1	4.2
47.5°	4.2	4.2	7.1	4.2	4.2
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8	2.8
65°	1.4	2.8	2.8	2.8	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
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)