

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: P1317806

Luminaire Tested: LDSQA3D20R409827D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

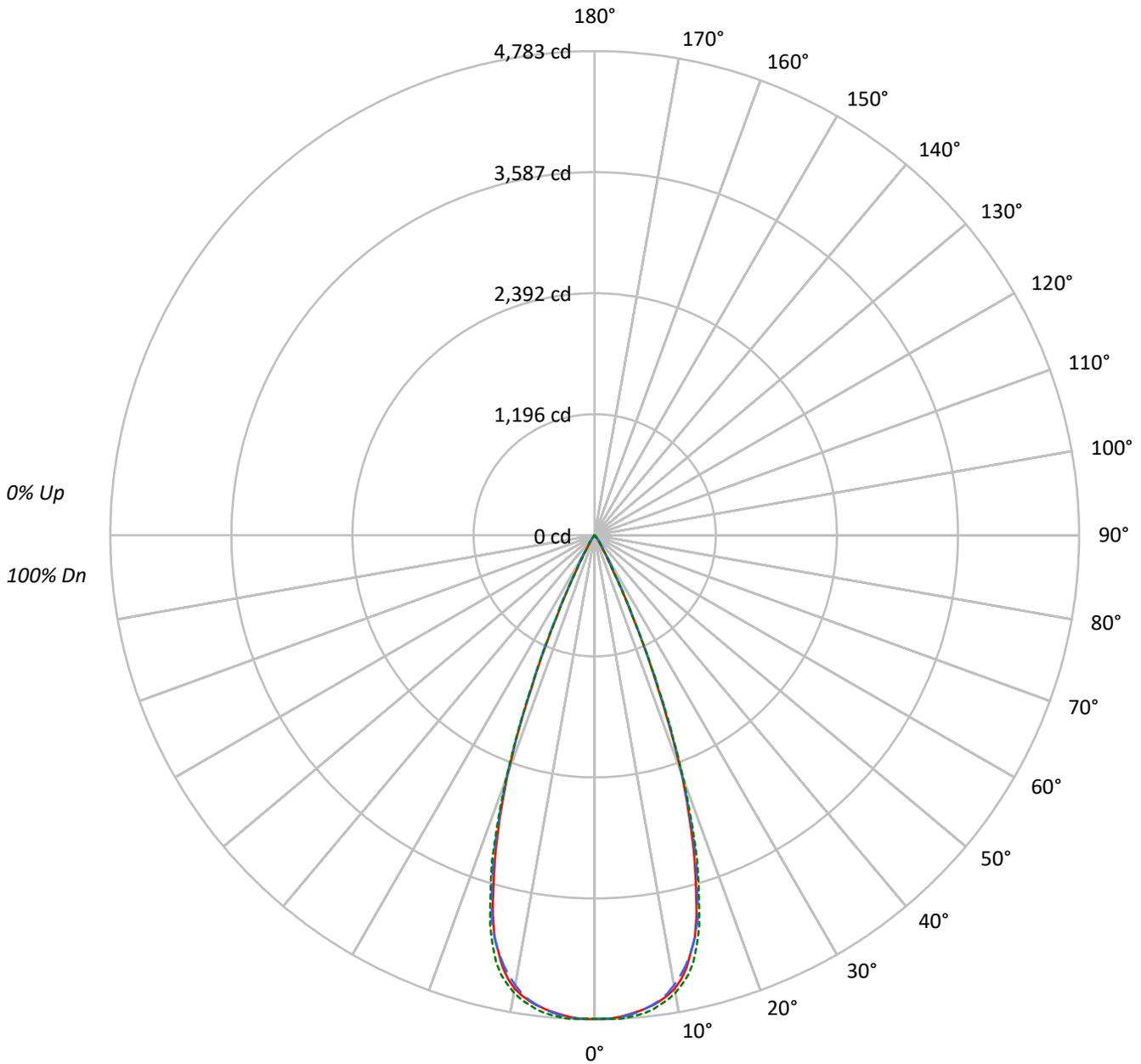
Test Method: LM-79-2019  
Report Number: P1317806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409827D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2021.9 lumens  
Efficiency: N/A  
Efficacy: 73.8 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): 27.4  
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	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°	822811	822811	822811
5°	817344	818572	822998
10°	795212	789248	802434
15°	692866	699980	710874
20°	461524	463870	468287
25°	167794	172924	168611
30°	35637	47787	35637
35°	12552	21235	11963
40°	4474	6722	4474
45°	1047	2777	1047
50°	750	1152	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: 2777 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.4	22.1
10°-20°	1040.4	51.5
20°-30°	468.2	23.2
30°-40°	53.3	2.6
40°-50°	7.6	0.4
50°-60°	2.6	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°	1955.0	96.7
0°-40°	2008.3	99.3
0°-60°	2018.5	99.8
0°-90°	2021.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4778	4778	4778	4778	4778	
5°	4728	4722	4735	4756	4760	446
15°	3886	3896	3926	3957	3987	1032
25°	883	889	910	910	887	457
35°	60	67	101	64	57	45
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°	4777.6	4777.6	4777.6	4777.6	4777.6
1°	4780.4	4776.1	4774.7	4783.3	4776.1
2°	4776.1	4773.3	4774.7	4783.3	4777.6
3°	4763.3	4764.8	4769.0	4784.7	4783.3
4°	4747.7	4746.3	4754.8	4774.7	4774.7
5°	4727.8	4722.1	4734.9	4756.2	4760.5
6°	4705.1	4697.9	4707.9	4734.9	4744.9
7°	4679.5	4665.2	4673.8	4706.5	4719.3
8°	4645.3	4626.8	4636.8	4669.5	4679.5
9°	4602.7	4574.2	4582.8	4622.6	4642.5
10°	4547.2	4511.7	4513.1	4557.2	4588.5
11°	4469.0	4429.2	4430.6	4486.1	4518.8
12°	4365.2	4329.7	4336.8	4388.0	4440.6
13°	4224.5	4214.5	4223.0	4278.5	4326.8
14°	4087.9	4078.0	4093.6	4144.8	4167.6
15°	3886.0	3896.0	3925.9	3957.1	3987.0
17.5°	3246.2	3284.6	3320.1	3341.5	3367.0
20°	2518.2	2474.1	2531.0	2505.4	2555.1
22.5°	1625.2	1657.9	1672.1	1657.9	1663.6
25°	883.0	888.7	910.0	910.0	887.3
27.5°	375.4	405.2	432.3	422.3	375.4
30°	179.2	206.2	240.3	207.6	179.2
32.5°	101.0	119.4	155.0	116.6	98.1
35°	59.7	66.8	101.0	64.0	56.9
37.5°	35.5	37.0	55.5	38.4	34.1
40°	19.9	24.2	29.9	24.2	19.9
42.5°	10.0	14.2	18.5	14.2	10.0
45°	4.3	7.1	11.4	7.1	4.3
47.5°	4.3	4.3	7.1	4.3	4.3
50°	2.8	2.8	4.3	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)