

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: P1311673

Luminaire Tested: LDSQA3D17R409040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

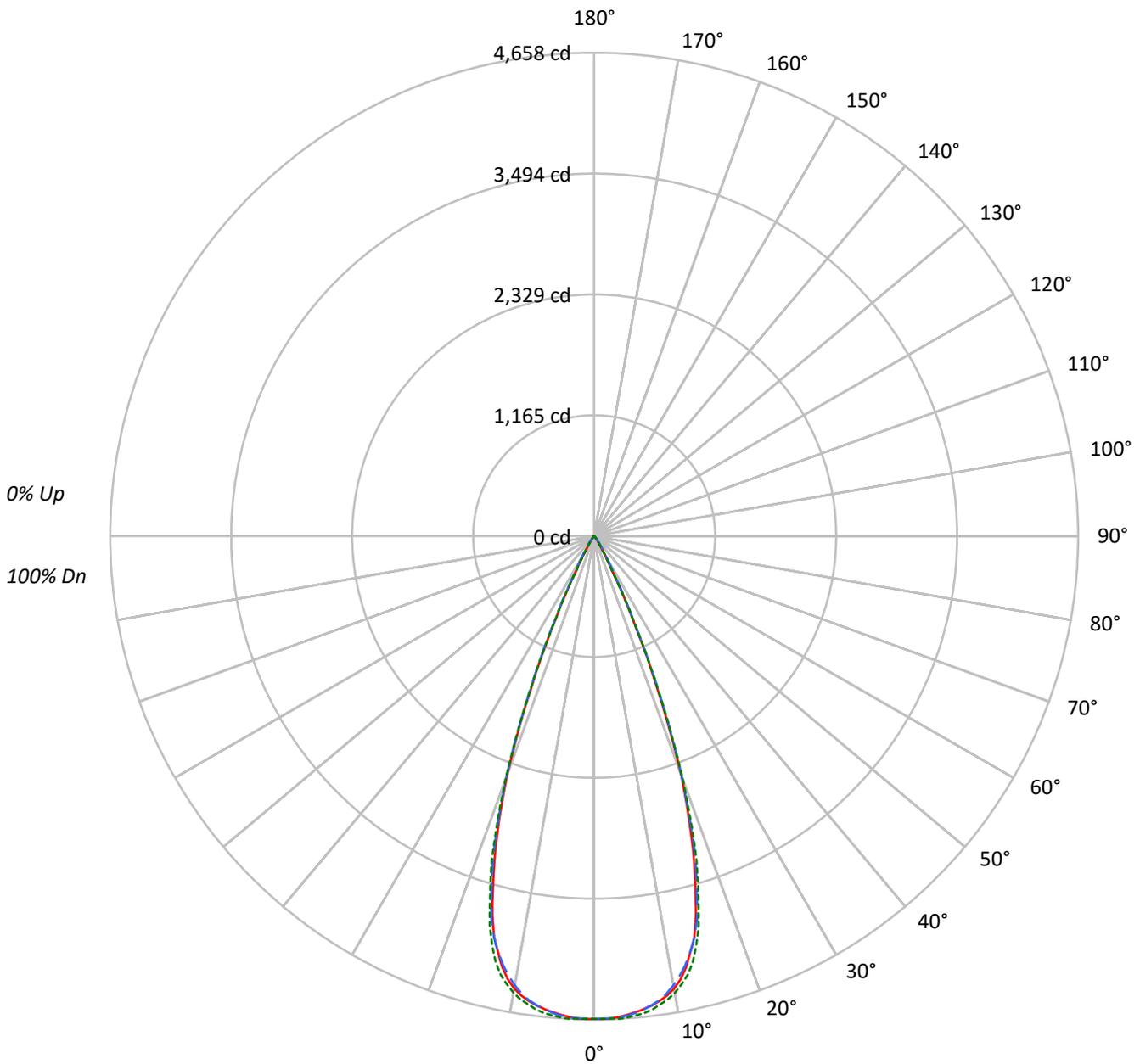
Test Method: LM-79-2019  
Report Number: P1311673  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R409040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1969.1 lumens  
Efficiency: N/A  
Efficacy: 92.9 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): 21.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

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

	0°	45°	90°
0°	801231	801231	801231
5°	795925	797117	801422
10°	774366	768560	781396
15°	674715	681633	692242
20°	449428	451701	456026
25°	163404	168402	164183
30°	34702	46535	34702
35°	12236	20667	11648
40°	4362	6542	4362
45°	1023	2704	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: 2704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.7	22.1
10°-20°	1013.1	51.4
20°-30°	455.9	23.2
30°-40°	51.9	2.6
40°-50°	7.4	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°	1903.7	96.7
0°-40°	1955.6	99.3
0°-60°	1965.6	99.8
0°-90°	1969.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1969.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4652	4652	4652	4652	4652	
5°	4604	4598	4611	4632	4636	434
15°	3784	3794	3823	3853	3882	1005
25°	860	865	886	886	864	445
35°	58	65	98	62	55	43
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°	4652.3	4652.3	4652.3	4652.3	4652.3
1°	4655.1	4651.0	4649.6	4657.9	4651.0
2°	4651.0	4648.2	4649.6	4657.9	4652.3
3°	4638.5	4639.9	4644.0	4659.3	4657.9
4°	4623.3	4621.9	4630.2	4649.6	4649.6
5°	4603.9	4598.3	4610.8	4631.6	4635.7
6°	4581.7	4574.8	4584.5	4610.8	4620.5
7°	4556.8	4543.0	4551.3	4583.1	4595.6
8°	4523.6	4505.6	4515.3	4547.1	4556.8
9°	4482.0	4454.3	4462.6	4501.4	4520.8
10°	4428.0	4393.4	4394.8	4437.7	4468.2
11°	4351.9	4313.1	4314.5	4368.5	4400.3
12°	4250.8	4216.2	4223.1	4273.0	4324.2
13°	4113.7	4104.0	4112.3	4166.3	4213.4
14°	3980.8	3971.1	3986.3	4036.2	4058.3
15°	3784.2	3793.9	3823.0	3853.4	3882.5
17.5°	3161.1	3198.5	3233.1	3253.9	3278.8
20°	2452.2	2409.2	2464.6	2439.7	2488.2
22.5°	1582.6	1614.5	1628.3	1614.5	1620.0
25°	859.9	865.4	886.2	886.2	864.0
27.5°	365.5	394.6	420.9	411.2	365.5
30°	174.5	200.8	234.0	202.2	174.5
32.5°	98.3	116.3	150.9	113.5	95.5
35°	58.2	65.1	98.3	62.3	55.4
37.5°	34.6	36.0	54.0	37.4	33.2
40°	19.4	23.5	29.1	23.5	19.4
42.5°	9.7	13.8	18.0	13.8	9.7
45°	4.2	6.9	11.1	6.9	4.2
47.5°	4.2	4.2	6.9	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)