

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: P1316073

Luminaire Tested: LDSQA3D02R209740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316073  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R209740DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

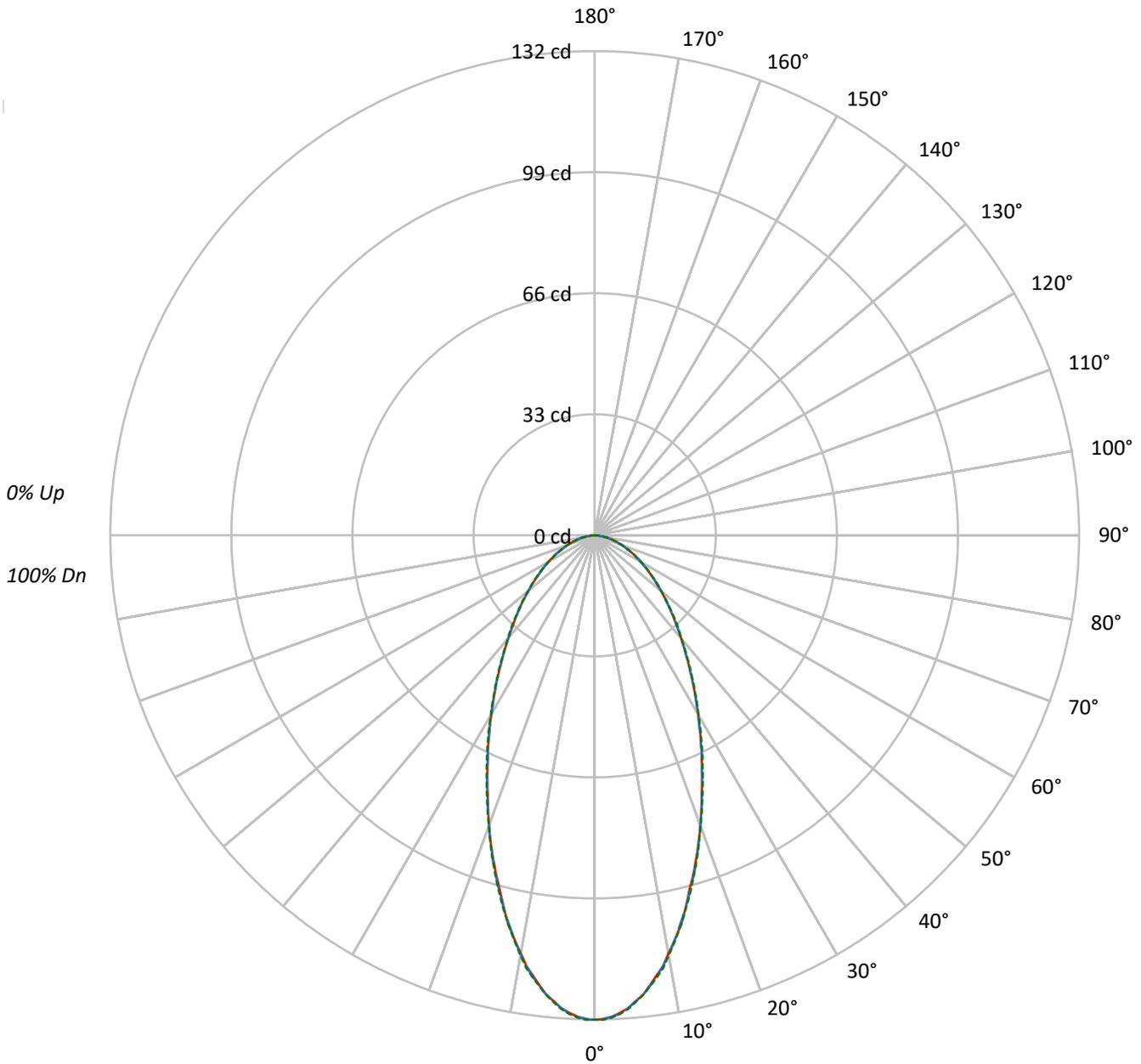
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 158.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	44	44	44	44	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

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

	0°	45°	90°
0°	22751	22751	22751
5°	22060	22060	22094
10°	20251	20304	20338
15°	17830	17919	17955
20°	15432	15432	15468
25°	13131	13131	13226
30°	11216	11156	11256
35°	9566	9566	9629
40°	8228	8228	8273
45°	7185	7185	7234
50°	6323	6323	6323
55°	5585	5585	5675
60°	5029	5029	5029
65°	4523	4523	4523
70°	4028	4028	4028
75°	3593	3460	3593
80°	3075	3075	3075
85°	1778	1778	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7234 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.8	7.5
10°-20°	28.0	17.7
20°-30°	31.8	20.2
30°-40°	28.6	18.1
40°-50°	22.9	14.5
50°-60°	16.8	10.6
60°-70°	11.0	7.0
70°-80°	5.7	3.6
80°-90°	1.3	0.8
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
<b>0°-30°</b>	<b>71.6</b>	<b>45.3</b>
<b>0°-40°</b>	<b>100.2</b>	<b>63.4</b>
<b>0°-60°</b>	<b>140.0</b>	<b>88.6</b>
<b>0°-90°</b>	<b>158.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>158.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	128	128	128	128	128	12
15°	100	100	100	100	101	28
25°	69	69	69	69	70	32
35°	46	46	46	46	46	29
45°	30	30	30	30	30	23
55°	19	19	19	19	19	17
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	132.1	132.1	132.1	132.1	132.1
1°	131.9	131.6	131.9	131.9	132.1
2°	131.4	131.4	131.4	131.2	131.6
3°	130.4	130.4	130.7	130.4	130.7
4°	129.3	129.3	129.3	129.0	129.5
5°	127.6	127.6	127.6	127.6	127.8
6°	126.0	125.7	126.0	125.7	126.0
7°	123.6	123.6	123.8	123.6	123.8
8°	121.2	121.0	121.5	121.2	121.7
9°	118.9	118.6	118.9	118.6	119.4
10°	115.8	116.1	116.1	116.1	116.3
12.5°	108.7	108.3	108.3	108.3	108.7
15°	100.0	100.0	100.5	100.5	100.7
17.5°	92.2	92.0	92.5	92.5	92.5
20°	84.2	84.0	84.2	84.2	84.4
22.5°	76.2	76.4	76.4	76.4	76.7
25°	69.1	69.1	69.1	69.4	69.6
27.5°	62.5	62.3	62.5	62.7	63.0
30°	56.4	56.1	56.1	56.4	56.6
32.5°	50.7	50.5	50.7	50.7	51.0
35°	45.5	45.5	45.5	45.5	45.8
37.5°	40.8	40.8	40.8	41.0	41.0
40°	36.6	36.6	36.6	36.8	36.8
42.5°	32.8	32.8	32.8	33.0	33.3
45°	29.5	29.5	29.5	29.5	29.7
47.5°	26.4	26.4	26.4	26.7	26.7
50°	23.6	23.4	23.6	23.8	23.6
52.5°	21.0	21.0	21.0	21.0	21.2
55°	18.6	18.6	18.6	18.6	18.9
57.5°	16.5	16.5	16.5	16.7	16.7
60°	14.6	14.6	14.6	14.6	14.6
62.5°	12.7	12.7	12.7	12.7	12.7
65°	11.1	10.9	11.1	11.1	11.1
67.5°	9.4	9.4	9.4	9.4	9.4
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.4	5.2	5.2	5.4	5.4
77.5°	4.2	4.0	4.2	4.2	4.2
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.9	1.9	1.9	2.1	2.1
85°	0.9	0.9	0.9	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)