

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: P1309844

Luminaire Tested: LDSQA3D02R209035DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309844  
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: LDSQA3D02R209035DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

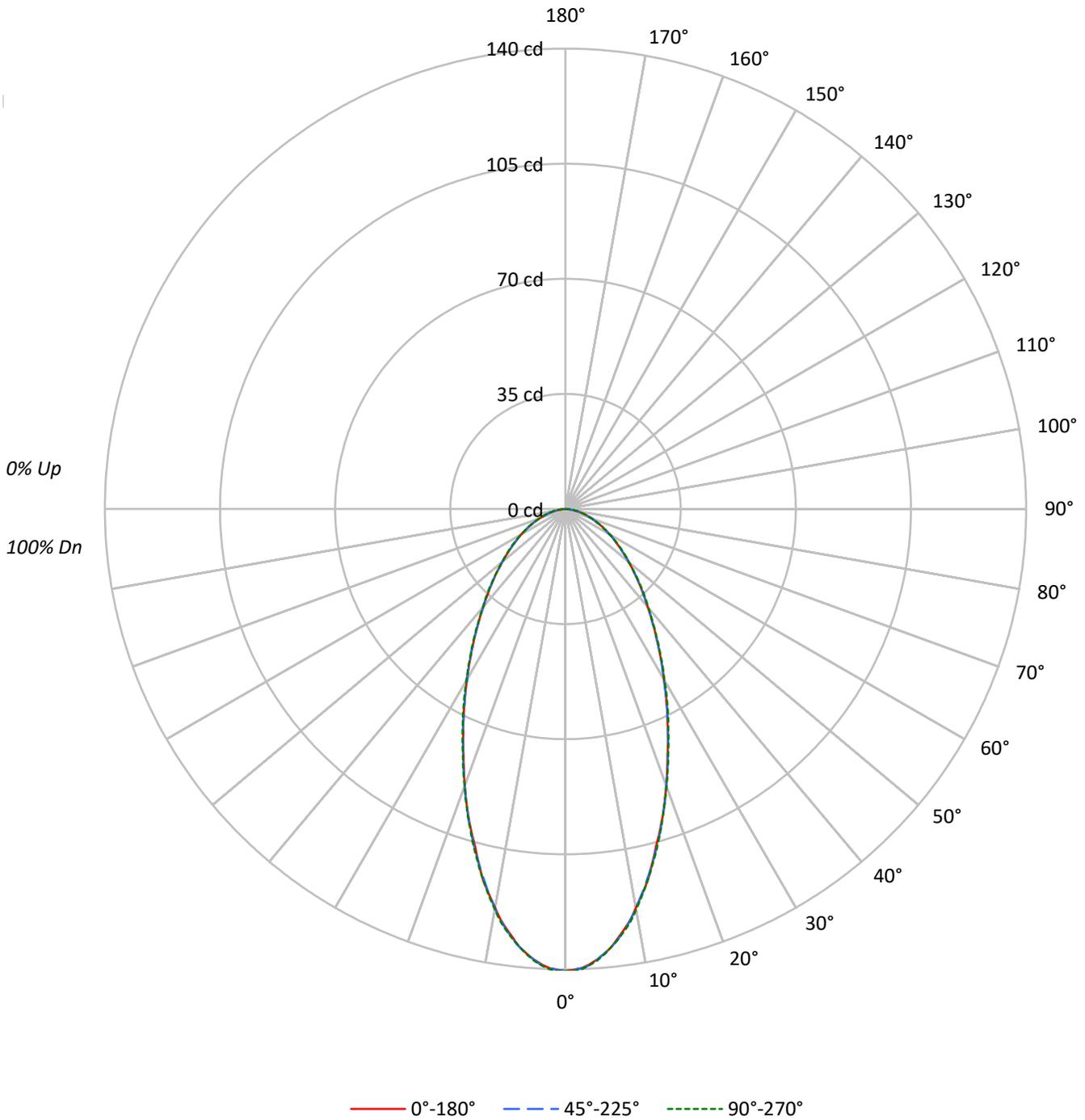
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 168.0 lumens  
Efficiency: N/A  
Efficacy: 46.7 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





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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	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	77	
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	68	
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	55	
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	50	
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	45	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	40	39	
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	36	

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

	0°	45°	90°
0°	24197	24197	24197
5°	23460	23460	23494
10°	21528	21580	21633
15°	18953	19042	19096
20°	16403	16403	16458
25°	13967	13967	14062
30°	11912	11872	11972
35°	10176	10176	10239
40°	8746	8746	8790
45°	7648	7648	7696
50°	6725	6725	6725
55°	5945	5945	6035
60°	5373	5373	5373
65°	4809	4809	4809
70°	4280	4280	4280
75°	3859	3660	3859
80°	3273	3273	3273
85°	1976	1976	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 7696 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	7.5
10°-20°	29.7	17.7
20°-30°	33.9	20.2
30°-40°	30.4	18.1
40°-50°	24.4	14.5
50°-60°	17.9	10.7
60°-70°	11.7	7.0
70°-80°	6.1	3.6
80°-90°	1.4	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>76.2</b>	<b>45.3</b>
<b>0°-40°</b>	<b>106.6</b>	<b>63.4</b>
<b>0°-60°</b>	<b>148.8</b>	<b>88.6</b>
<b>0°-90°</b>	<b>168.0</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>168.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	140	140	140	140	140	
5°	136	136	136	136	136	13
15°	106	106	107	107	107	30
25°	74	74	74	74	74	34
35°	48	48	48	48	49	30
45°	31	31	31	31	32	24
55°	20	20	20	20	20	18
65°	12	12	12	12	12	12
75°	6	6	6	6	6	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°	140.5	140.5	140.5	140.5	140.5
1°	140.2	140.0	140.2	140.2	140.5
2°	139.7	139.7	139.7	139.5	140.0
3°	138.7	138.7	139.0	138.7	139.0
4°	137.4	137.4	137.4	137.2	137.7
5°	135.7	135.7	135.7	135.7	135.9
6°	133.9	133.7	133.9	133.7	133.9
7°	131.4	131.4	131.7	131.4	131.7
8°	128.9	128.7	129.2	128.9	129.4
9°	126.4	126.2	126.4	126.2	126.9
10°	123.1	123.4	123.4	123.4	123.7
12.5°	115.6	115.1	115.1	115.1	115.6
15°	106.3	106.3	106.8	106.8	107.1
17.5°	98.1	97.8	98.3	98.3	98.3
20°	89.5	89.3	89.5	89.5	89.8
22.5°	81.0	81.3	81.3	81.3	81.5
25°	73.5	73.5	73.5	73.7	74.0
27.5°	66.5	66.2	66.5	66.7	67.0
30°	59.9	59.7	59.7	59.9	60.2
32.5°	53.9	53.7	53.9	53.9	54.2
35°	48.4	48.4	48.4	48.4	48.7
37.5°	43.4	43.4	43.4	43.6	43.6
40°	38.9	38.9	38.9	39.1	39.1
42.5°	34.9	34.9	34.9	35.1	35.4
45°	31.4	31.4	31.4	31.4	31.6
47.5°	28.1	28.1	28.1	28.3	28.3
50°	25.1	24.8	25.1	25.3	25.1
52.5°	22.3	22.3	22.3	22.3	22.6
55°	19.8	19.8	19.8	19.8	20.1
57.5°	17.6	17.6	17.6	17.8	17.8
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.5	13.5	13.5	13.5	13.5
65°	11.8	11.5	11.8	11.8	11.8
67.5°	10.0	10.0	10.0	10.0	10.0
70°	8.5	8.5	8.5	8.5	8.5
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.8	5.5	5.5	5.8	5.8
77.5°	4.5	4.3	4.5	4.5	4.5
80°	3.3	3.3	3.3	3.3	3.3
82.5°	2.0	2.0	2.0	2.3	2.3
85°	1.0	1.0	1.0	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)