

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: P1312113

Luminaire Tested: LDSQA3D02R359050DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359050DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

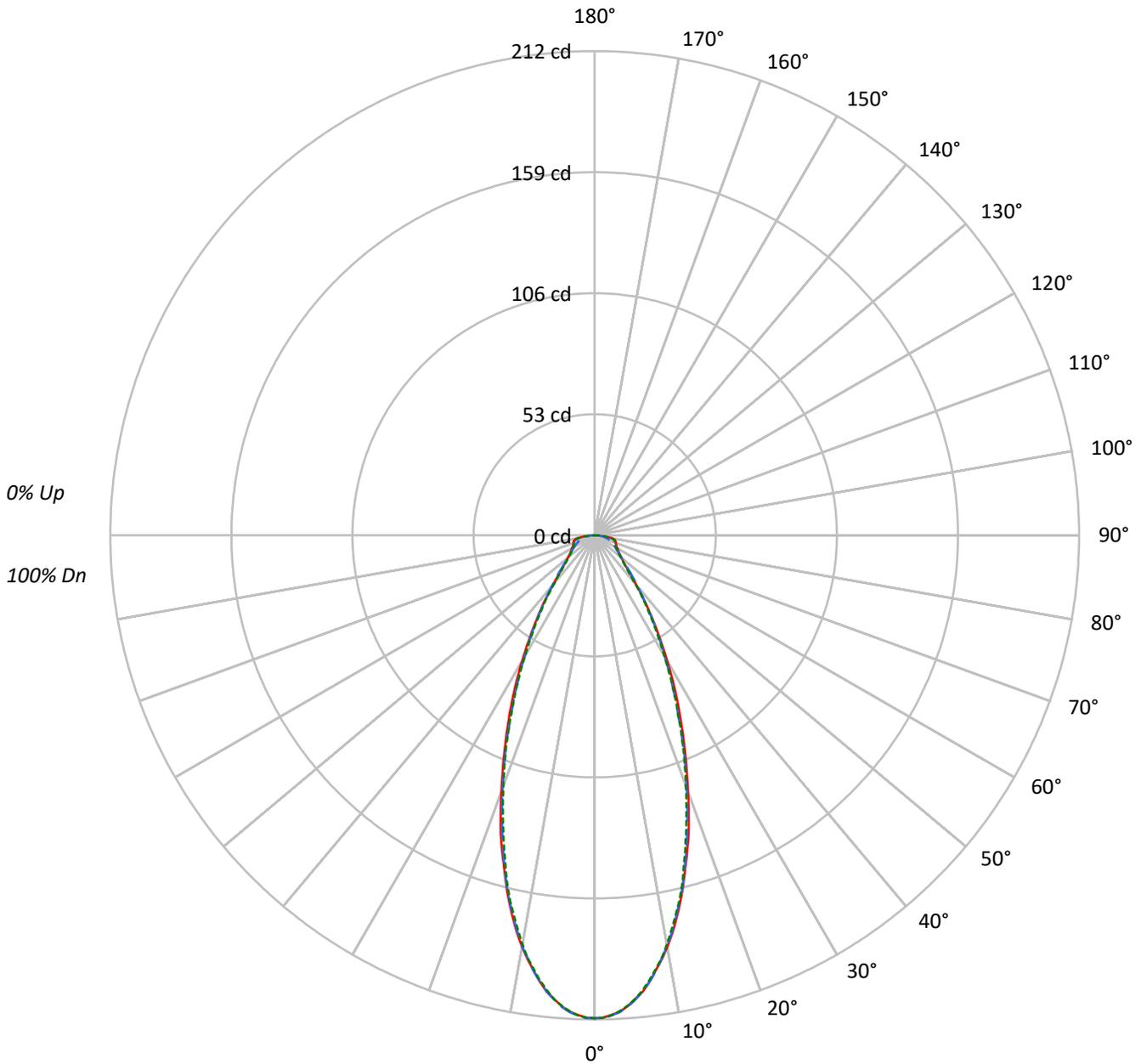
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 175.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
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	101	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	66	63	70	65	62	62	62	62	60
6	81	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	58	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

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

	0°	45°	90°
0°	36425	36425	36425
5°	35233	35285	35233
10°	32003	31950	31811
15°	27173	27066	26834
20°	21865	21572	21388
25°	16912	16399	16399
30°	12608	12190	12071
35°	9083	8956	8746
40°	6340	6520	6115
45°	4725	4993	4603
50°	4073	4073	3992
55°	3843	3693	3753
60°	3961	3582	3754
65°	4238	3586	4116
70°	4985	3777	4834
75°	6188	3926	6055
80°	7934	4265	7141
85°	6323	4150	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 7934 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	10.7
10°-20°	41.9	23.9
20°-30°	40.0	22.9
30°-40°	26.9	15.4
40°-50°	15.8	9.0
50°-60°	11.3	6.5
60°-70°	9.4	5.4
70°-80°	7.7	4.4
80°-90°	3.2	1.8
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
0°-30°	100.7	57.6
0°-40°	127.6	72.9
0°-60°	154.7	88.4
0°-90°	175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	175.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	212	212	212	212	212	
5°	204	204	204	204	204	19
15°	152	153	152	151	150	42
25°	89	88	86	86	86	41
35°	43	43	43	42	42	27
45°	19	20	20	19	19	16
55°	13	12	12	12	12	12
65°	10	9	9	9	10	10
75°	9	7	6	7	9	10
85°	3	4	2	4	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	211.5	211.5	211.5	211.5	211.5
1°	211.2	211.5	211.5	211.2	211.2
2°	210.2	210.7	210.4	210.2	210.4
3°	208.8	209.4	209.1	208.8	208.6
4°	206.7	207.3	207.0	206.5	206.5
5°	203.8	204.3	204.1	203.8	203.8
6°	200.9	201.4	200.9	200.3	200.3
7°	196.9	197.7	197.1	196.6	196.3
8°	192.3	193.1	192.6	192.3	191.8
9°	187.8	188.3	187.5	187.5	187.5
10°	183.0	183.3	182.7	181.9	181.9
11°	177.7	177.4	177.1	176.6	176.1
12°	171.8	171.8	171.0	170.5	170.2
13°	165.7	165.4	164.9	164.4	164.4
14°	159.3	159.3	158.8	157.7	158.0
15°	152.4	152.6	151.8	150.8	150.5
17.5°	136.7	136.1	134.8	134.0	133.2
20°	119.3	119.1	117.7	116.9	116.7
22.5°	103.4	103.1	101.8	101.0	101.5
25°	89.0	87.9	86.3	86.3	86.3
27.5°	75.7	74.3	73.3	72.7	73.3
30°	63.4	62.3	61.3	61.0	60.7
32.5°	52.5	51.9	51.4	50.6	50.6
35°	43.2	43.2	42.6	41.8	41.6
37.5°	35.2	35.4	35.2	34.4	34.1
40°	28.2	28.8	29.0	28.2	27.2
42.5°	23.2	24.0	24.5	23.2	22.4
45°	19.4	20.0	20.5	19.4	18.9
47.5°	17.0	17.3	17.6	16.8	16.5
50°	15.2	15.2	15.2	14.9	14.9
52.5°	13.9	13.9	13.6	13.3	13.3
55°	12.8	12.5	12.3	12.3	12.5
57.5°	12.0	11.7	11.2	11.5	11.7
60°	11.5	10.9	10.4	10.7	10.9
62.5°	10.7	10.1	9.6	9.9	10.4
65°	10.4	9.3	8.8	9.3	10.1
67.5°	10.1	8.8	8.0	8.8	9.9
70°	9.9	8.3	7.5	8.3	9.6
72.5°	9.6	7.7	6.7	7.7	9.3
75°	9.3	7.2	5.9	7.2	9.1
77.5°	8.8	6.7	5.1	6.7	8.3
80°	8.0	6.1	4.3	5.9	7.2
82.5°	5.9	5.1	3.5	5.1	5.3
85°	3.2	3.5	2.1	3.5	3.2
87.5°	0.3	0.5	0.5	1.6	1.1



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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)