

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: P1306996

Luminaire Tested: LDSQA3D09R309024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

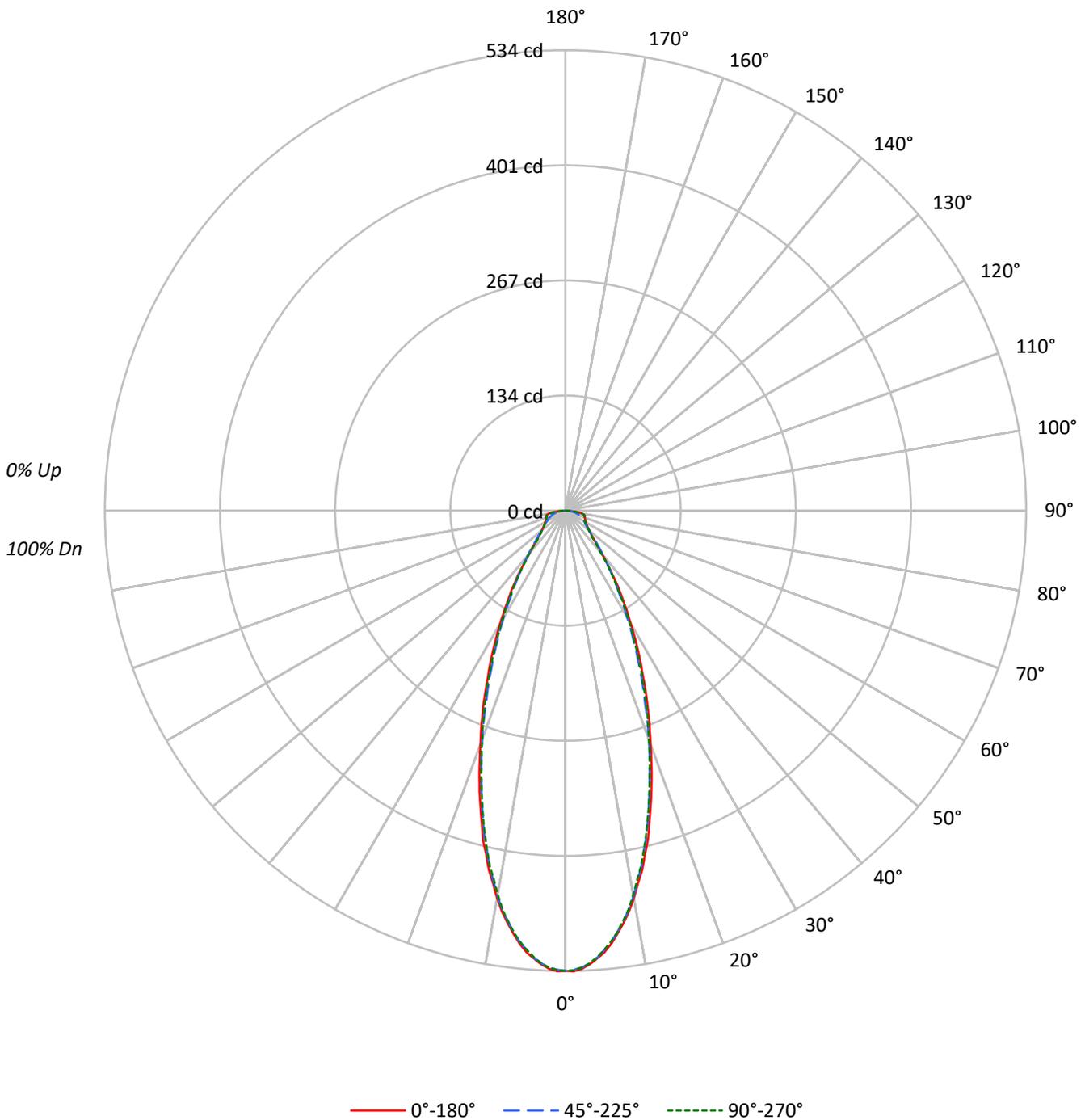
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (Ain): 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	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	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	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	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

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

	0°	45°	90°
0°	91950	91950	91950
5°	88947	88498	88498
10°	79832	79378	79046
15°	66915	65881	65756
20°	52820	51757	51757
25°	40438	38841	39583
30°	30009	28458	29114
35°	21697	20751	20877
40°	14928	15220	14501
45°	11155	11618	10668
50°	9672	9512	9512
55°	9098	8708	8918
60°	9334	8646	9093
65°	10229	8680	9984
70°	12035	8762	11682
75°	15438	9449	15038
80°	19142	10215	17951
85°	15215	10275	14030

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19142 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	11.2
10°-20°	102.4	24.3
20°-30°	95.4	22.7
30°-40°	63.3	15.0
40°-50°	36.8	8.8
50°-60°	26.8	6.4
60°-70°	22.7	5.4
70°-80°	18.8	4.5
80°-90°	7.8	1.9
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°	244.8	58.1
0°-40°	308.1	73.2
0°-60°	371.8	88.3
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	534	534	534	534	534	
5°	514	514	512	512	512	47
15°	375	371	370	369	369	104
25°	213	209	204	205	208	98
35°	103	101	99	99	99	65
45°	46	46	48	45	44	37
55°	30	30	29	30	30	28
65°	25	23	21	23	24	25
75°	23	17	14	17	23	24
85°	8	9	5	8	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	533.9	533.9	533.9	533.9	533.9
1°	534.5	533.9	532.6	533.2	533.2
2°	531.9	531.3	530.6	530.6	530.6
3°	527.4	526.8	526.1	526.1	526.1
4°	521.0	520.3	520.3	519.7	519.7
5°	514.5	513.9	511.9	511.9	511.9
6°	505.5	504.9	503.6	502.9	502.9
7°	494.5	494.5	492.6	492.0	492.6
8°	482.9	482.3	481.0	480.4	480.4
9°	470.7	468.7	468.7	466.8	468.1
10°	456.5	455.2	453.9	452.6	452.0
11°	440.4	439.7	437.8	436.5	435.9
12°	426.8	423.6	422.3	420.4	421.7
13°	409.4	407.5	404.3	403.6	404.3
14°	394.6	390.7	388.2	386.9	386.2
15°	375.3	371.4	369.5	368.8	368.8
17.5°	332.1	329.5	324.3	324.3	324.3
20°	288.2	285.6	282.4	281.8	282.4
22.5°	250.2	245.7	240.5	241.1	245.0
25°	212.8	208.9	204.4	205.0	208.3
27.5°	181.2	176.0	171.5	172.8	174.7
30°	150.9	147.7	143.1	144.4	146.4
32.5°	125.1	123.2	118.0	119.3	121.2
35°	103.2	101.2	98.7	99.3	99.3
37.5°	82.5	82.5	81.9	81.2	80.6
40°	66.4	67.7	67.7	65.8	64.5
42.5°	54.2	55.5	56.7	54.2	52.2
45°	45.8	46.4	47.7	45.1	43.8
47.5°	40.0	40.0	41.3	39.3	38.7
50°	36.1	36.1	35.5	34.8	35.5
52.5°	32.9	32.2	31.6	32.2	32.2
55°	30.3	29.7	29.0	29.7	29.7
57.5°	28.4	27.7	27.1	27.1	27.7
60°	27.1	25.8	25.1	25.8	26.4
62.5°	25.8	23.9	23.2	23.9	25.1
65°	25.1	22.6	21.3	22.6	24.5
67.5°	24.5	21.3	19.3	21.3	23.9
70°	23.9	20.0	17.4	20.0	23.2
72.5°	23.2	18.7	16.1	18.7	23.2
75°	23.2	17.4	14.2	17.4	22.6
77.5°	21.9	16.1	12.3	16.1	21.3
80°	19.3	14.8	10.3	14.2	18.1
82.5°	14.2	12.9	7.7	12.3	13.5
85°	7.7	9.0	5.2	8.4	7.1
87.5°	1.3	1.9	1.3	3.9	2.6



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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)