

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: P1307013

Luminaire Tested: LDSQA3D09R359024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307013  
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: LDSQA3D09R359024DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

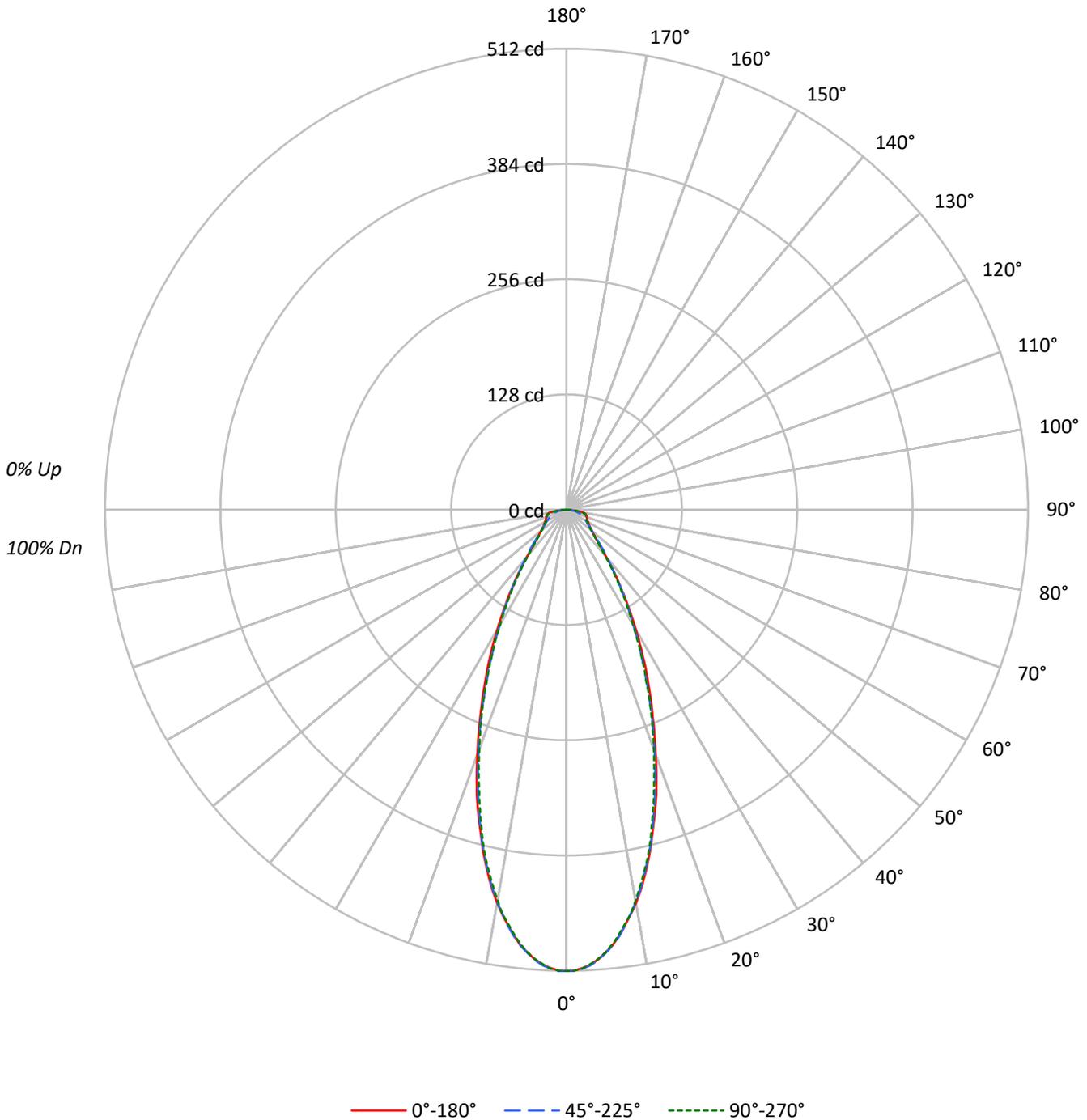
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 424.0 lumens  
Efficiency: N/A  
Efficacy: 38.2 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): 11.1  
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

TEST NUMBER: P1307013  
CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHRLP1MW

### 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	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	67	63	70	65	62	62	62	62	60
6	82	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	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	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°	88264	88264	88264
5°	85368	85472	85368
10°	77542	77437	77087
15°	65828	65596	65025
20°	53003	52289	51812
25°	40970	39735	39735
30°	30546	29512	29273
35°	21992	21718	21172
40°	15378	15827	14793
45°	11472	12105	11155
50°	9860	9860	9672
55°	9308	8918	9098
60°	9576	8680	9128
65°	10269	8680	9984
70°	12035	9114	11682
75°	15038	9449	14573
80°	19241	10215	17257
85°	15215	10275	15215

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 19241 cd/sqm



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CATALOG NUMBER: LDSQA3D09R359024DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	10.7
10°-20°	101.6	24.0
20°-30°	97.0	22.9
30°-40°	65.2	15.4
40°-50°	38.3	9.0
50°-60°	27.4	6.5
60°-70°	22.8	5.4
70°-80°	18.7	4.4
80°-90°	7.7	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°	244.1	57.6
0°-40°	309.3	72.9
0°-60°	374.9	88.4
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	494	495	494	494	494	46
15°	369	370	368	365	365	102
25°	216	213	209	209	209	99
35°	105	105	103	101	101	66
45°	47	48	50	47	46	38
55°	31	30	30	30	30	28
65°	25	23	21	23	24	25
75°	23	17	14	17	22	23
85°	8	8	5	8	8	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	512.5	512.5	512.5	512.5	512.5
1°	511.8	512.5	512.5	511.8	511.8
2°	509.2	510.5	509.9	509.2	509.9
3°	506.0	507.3	506.7	506.0	505.4
4°	500.8	502.1	501.5	500.2	500.2
5°	493.8	495.0	494.4	493.8	493.8
6°	486.7	487.9	486.7	485.4	485.4
7°	477.0	478.9	477.6	476.3	475.7
8°	466.0	467.9	466.6	466.0	464.7
9°	455.0	456.3	454.4	454.4	454.4
10°	443.4	444.1	442.8	440.8	440.8
11°	430.5	429.9	429.2	427.9	426.6
12°	416.3	416.3	414.4	413.1	412.4
13°	401.5	400.8	399.5	398.2	398.2
14°	386.0	386.0	384.7	382.1	382.7
15°	369.2	369.8	367.9	365.3	364.7
17.5°	331.1	329.8	326.6	324.6	322.7
20°	289.2	288.5	285.3	283.3	282.7
22.5°	250.4	249.8	246.6	244.6	245.9
25°	215.6	213.0	209.1	209.1	209.1
27.5°	183.3	180.1	177.5	176.2	177.5
30°	153.6	151.0	148.4	147.8	147.2
32.5°	127.1	125.9	124.6	122.6	122.6
35°	104.6	104.6	103.3	101.3	100.7
37.5°	85.2	85.8	85.2	83.3	82.6
40°	68.4	69.7	70.4	68.4	65.8
42.5°	56.2	58.1	59.4	56.2	54.2
45°	47.1	48.4	49.7	47.1	45.8
47.5°	41.3	42.0	42.6	40.7	40.0
50°	36.8	36.8	36.8	36.1	36.1
52.5°	33.6	33.6	32.9	32.3	32.3
55°	31.0	30.3	29.7	29.7	30.3
57.5°	29.0	28.4	27.1	27.8	28.4
60°	27.8	26.5	25.2	25.8	26.5
62.5°	25.8	24.5	23.2	23.9	25.2
65°	25.2	22.6	21.3	22.6	24.5
67.5°	24.5	21.3	19.4	21.3	23.9
70°	23.9	20.0	18.1	20.0	23.2
72.5°	23.2	18.7	16.1	18.7	22.6
75°	22.6	17.4	14.2	17.4	21.9
77.5°	21.3	16.1	12.3	16.1	20.0
80°	19.4	14.8	10.3	14.2	17.4
82.5°	14.2	12.3	8.4	12.3	12.9
85°	7.7	8.4	5.2	8.4	7.7
87.5°	0.6	1.3	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)