

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: P1319953

Luminaire Tested: LDSQA3D09R259840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319953  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R259840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

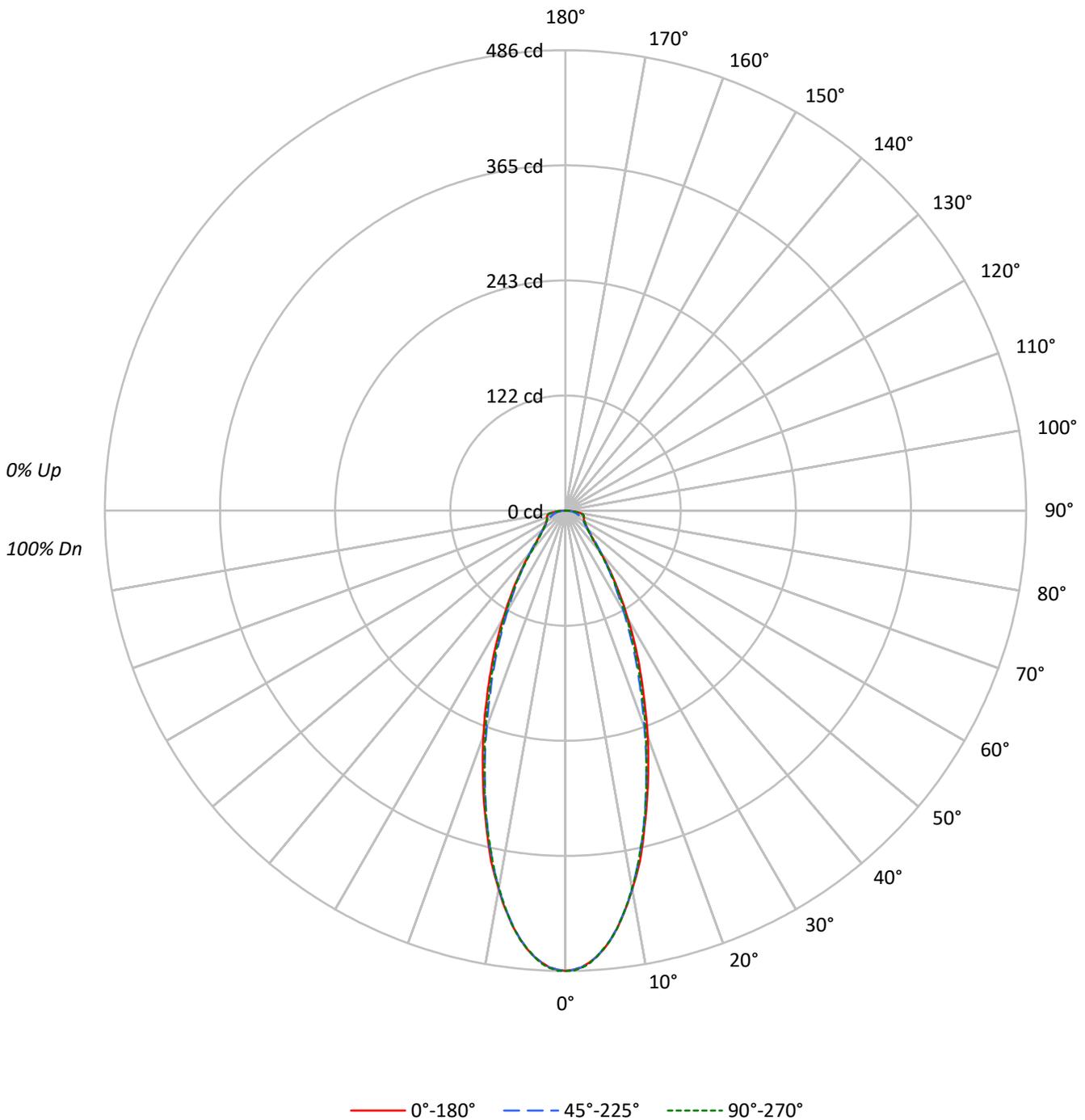
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 367.0 lumens  
Efficiency: N/A  
Efficacy: 33.4 lumens/watt  
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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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CATALOG NUMBER: LDSQA3D09R259840DE010 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	102	96	91	87	93	89	85	89	86	83	87	84	81	81	81	81	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	74	74	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	63	63	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	58	58	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	54	54	54	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	48	48	48	46
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	45	45	45	44

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

	0°	45°	90°
0°	83683	83683	83683
5°	80303	80199	80199
10°	70984	70879	70686
15°	58624	57804	58107
20°	46442	44536	45269
25°	35364	33502	34376
30°	26071	24222	25256
35°	18649	17808	18039
40°	12770	13040	12388
45°	9474	10035	9328
50°	8225	8225	8092
55°	7837	7476	7837
60°	7991	7406	7991
65°	8762	7580	8762
70°	10524	7604	10222
75°	13109	8118	13109
80°	16662	8629	15571
85°	13832	8102	13832

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 16662 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	11.6
10°-20°	90.1	24.5
20°-30°	82.6	22.5
30°-40°	54.5	14.8
40°-50°	31.7	8.6
50°-60°	23.2	6.3
60°-70°	19.7	5.4
70°-80°	16.3	4.4
80°-90°	6.7	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°	215.1	58.6
0°-40°	269.5	73.4
0°-60°	324.4	88.4
0°-90°	367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	367.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	486	486	486	486	486	
5°	464	464	464	464	464	42
15°	329	328	324	325	326	91
25°	186	181	176	177	181	86
35°	89	87	85	85	86	56
45°	39	40	41	39	38	31
55°	26	26	25	26	26	24
65°	22	20	19	20	22	21
75°	20	15	12	15	20	21
85°	7	8	4	8	7	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	485.9	485.9	485.9	485.9	485.9
1°	484.8	484.8	484.8	484.8	485.9
2°	482.5	481.9	482.5	482.5	483.0
3°	477.8	477.8	477.8	477.8	479.0
4°	472.0	472.0	472.0	472.0	472.0
5°	464.5	463.9	463.9	464.5	463.9
6°	455.2	455.2	455.2	455.2	455.8
7°	444.8	444.2	444.2	443.6	444.8
8°	432.6	432.6	432.0	431.4	432.6
9°	419.8	420.4	419.2	418.7	418.7
10°	405.9	405.3	405.3	405.3	404.2
11°	392.0	390.3	389.7	389.7	390.8
12°	378.1	375.2	374.0	374.0	374.0
13°	361.3	360.1	358.4	357.2	357.8
14°	344.4	344.4	341.5	341.5	342.7
15°	328.8	327.6	324.2	325.3	325.9
17.5°	289.9	287.6	283.6	283.6	284.1
20°	253.4	249.3	243.0	245.9	247.0
22.5°	217.5	213.4	207.0	209.9	211.1
25°	186.1	180.9	176.3	176.9	180.9
27.5°	157.7	151.9	147.3	149.0	151.3
30°	131.1	127.6	121.8	124.7	127.0
32.5°	108.4	105.5	101.5	103.2	105.5
35°	88.7	87.0	84.7	84.7	85.8
37.5°	71.9	71.3	70.2	69.6	69.0
40°	56.8	58.0	58.0	56.8	55.1
42.5°	46.4	47.5	48.7	46.4	44.7
45°	38.9	40.0	41.2	38.9	38.3
47.5°	34.2	34.8	35.4	34.2	33.6
50°	30.7	30.7	30.7	30.2	30.2
52.5°	28.4	27.8	27.3	27.8	27.8
55°	26.1	26.1	24.9	25.5	26.1
57.5°	24.4	23.8	23.2	23.8	24.4
60°	23.2	22.0	21.5	22.0	23.2
62.5°	22.0	20.9	19.7	20.9	22.0
65°	21.5	19.7	18.6	19.7	21.5
67.5°	20.9	18.6	16.8	18.6	20.9
70°	20.9	17.4	15.1	17.4	20.3
72.5°	20.3	16.2	13.9	16.2	20.3
75°	19.7	15.1	12.2	15.1	19.7
77.5°	19.1	13.9	10.4	13.9	18.6
80°	16.8	12.8	8.7	12.8	15.7
82.5°	12.2	10.4	7.0	10.4	11.6
85°	7.0	7.5	4.1	7.5	7.0
87.5°	1.2	1.7	1.2	2.9	2.3



TEST NUMBER: P1319953  
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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)