

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: P1319969

Luminaire Tested: LDSQA3D09R309840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

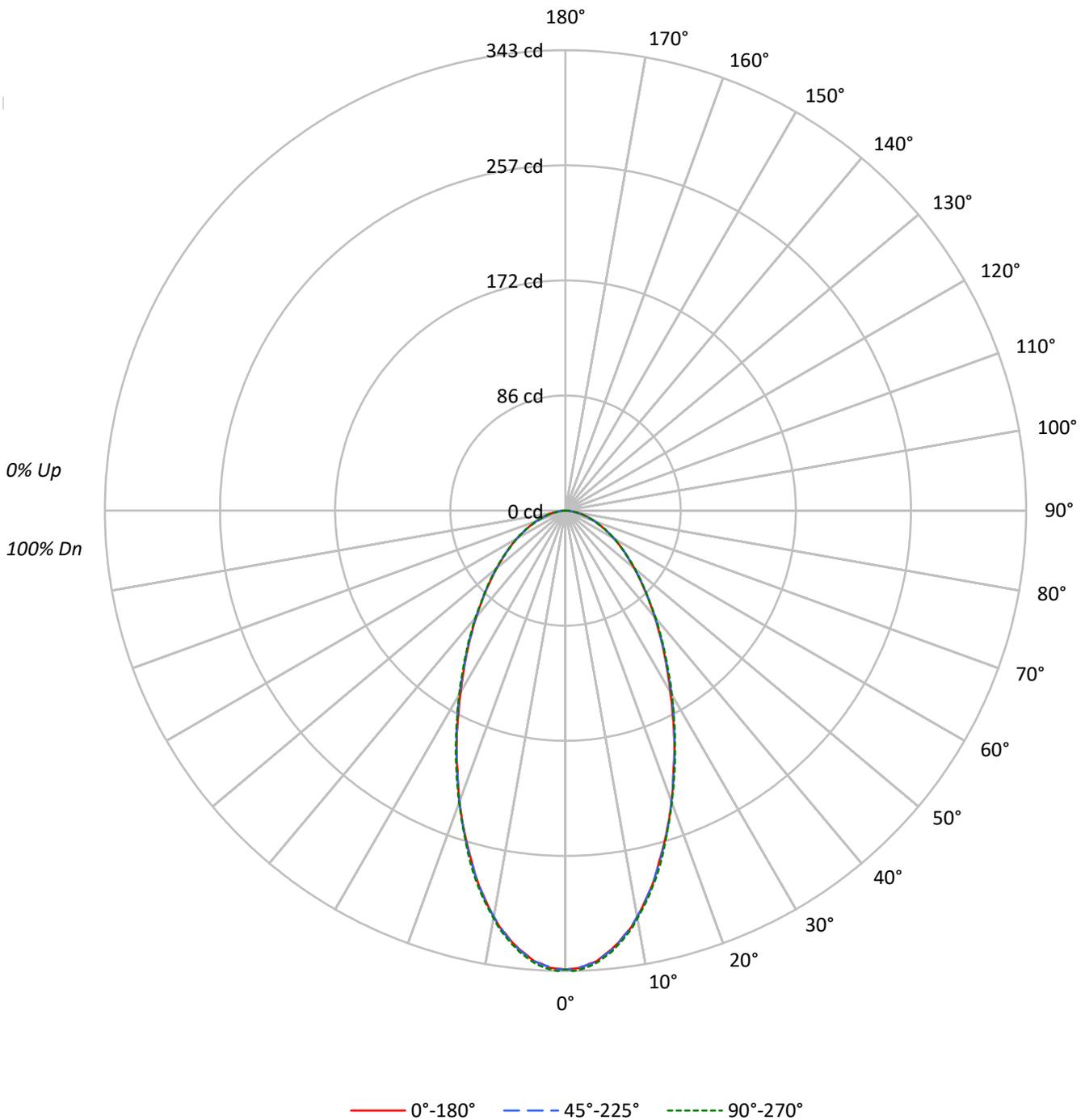
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 439.0 lumens
Efficiency: N/A
Efficacy: 39.9 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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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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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58883	58883	58883
5°	57431	57535	57742
10°	53740	53740	53950
15°	48176	48283	48622
20°	42300	42300	42410
25°	36466	36466	36694
30°	31043	31401	31520
35°	26806	26932	27059
40°	23201	23336	23471
45°	20264	20410	20410
50°	17898	17898	18059
55°	16034	16034	16034
60°	14432	14432	14432
65°	12877	12877	12877
70°	11632	11632	11632
75°	10514	10114	10114
80°	9025	8430	8430
85°	5928	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	7.1
10°-20°	75.5	17.2
20°-30°	88.2	20.1
30°-40°	80.2	18.3
40°-50°	64.8	14.8
50°-60°	47.9	10.9
60°-70°	31.5	7.2
70°-80°	16.3	3.7
80°-90°	3.7	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
0°-30°	194.6	44.3
0°-40°	274.8	62.6
0°-60°	387.5	88.3
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	342	342	342	342	342	
5°	332	332	333	333	334	31
15°	270	271	271	271	273	75
25°	192	191	192	192	193	88
35°	128	127	128	128	129	80
45°	83	84	84	84	84	65
55°	53	53	53	53	53	48
65°	32	32	32	32	32	32
75°	16	15	15	15	15	17
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	341.9	341.9	341.9	341.9	341.9
1°	341.3	341.3	341.9	341.3	343.1
2°	340.7	340.1	340.1	340.1	341.9
3°	338.2	338.2	338.8	338.2	340.1
4°	336.4	335.8	336.4	335.8	337.6
5°	332.2	332.2	332.8	332.8	334.0
6°	328.5	328.5	329.1	328.5	330.3
7°	324.3	324.3	324.3	324.3	325.5
8°	318.8	318.8	319.4	319.4	320.6
9°	314.0	313.3	313.3	313.3	315.2
10°	307.3	307.3	307.3	307.3	308.5
11°	300.6	300.6	300.6	300.6	301.8
12°	293.3	293.3	293.9	293.3	295.1
13°	286.6	286.6	286.6	286.6	287.8
14°	278.7	278.1	278.7	278.7	280.6
15°	270.2	270.8	270.8	270.8	272.7
17.5°	250.8	250.8	251.4	250.2	251.4
20°	230.8	230.2	230.8	230.8	231.4
22.5°	210.1	210.7	210.7	210.7	211.9
25°	191.9	191.3	191.9	191.9	193.1
27.5°	173.1	173.7	174.3	173.7	174.9
30°	156.1	157.3	157.9	156.7	158.5
32.5°	140.9	140.9	141.5	142.1	142.7
35°	127.5	126.9	128.1	128.1	128.7
37.5°	114.8	114.8	114.8	115.4	116.0
40°	103.2	103.2	103.8	103.8	104.4
42.5°	92.9	92.3	92.9	92.9	92.9
45°	83.2	83.8	83.8	83.8	83.8
47.5°	74.7	74.7	75.3	74.7	75.3
50°	66.8	66.8	66.8	66.8	67.4
52.5°	59.5	59.5	59.5	59.5	60.1
55°	53.4	52.8	53.4	52.8	53.4
57.5°	47.4	47.4	47.4	47.4	47.4
60°	41.9	41.3	41.9	41.3	41.9
62.5°	36.4	36.4	36.4	36.4	36.4
65°	31.6	31.6	31.6	31.6	31.6
67.5°	27.3	27.3	27.3	26.7	26.7
70°	23.1	23.1	23.1	23.1	23.1
72.5°	19.4	18.8	18.8	18.8	18.8
75°	15.8	15.2	15.2	15.2	15.2
77.5°	12.1	12.1	11.5	11.5	12.1
80°	9.1	8.5	8.5	8.5	8.5
82.5°	5.5	5.5	5.5	5.5	5.5
85°	3.0	3.0	3.0	3.0	3.0
87.5°	0.6	0.6	0.6	1.2	1.2



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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)