Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1315118

Luminaire Tested: LDSQA3D02R259735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1315118
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D02R259735DE010 3LSQPHRLD1MW
Description:	3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

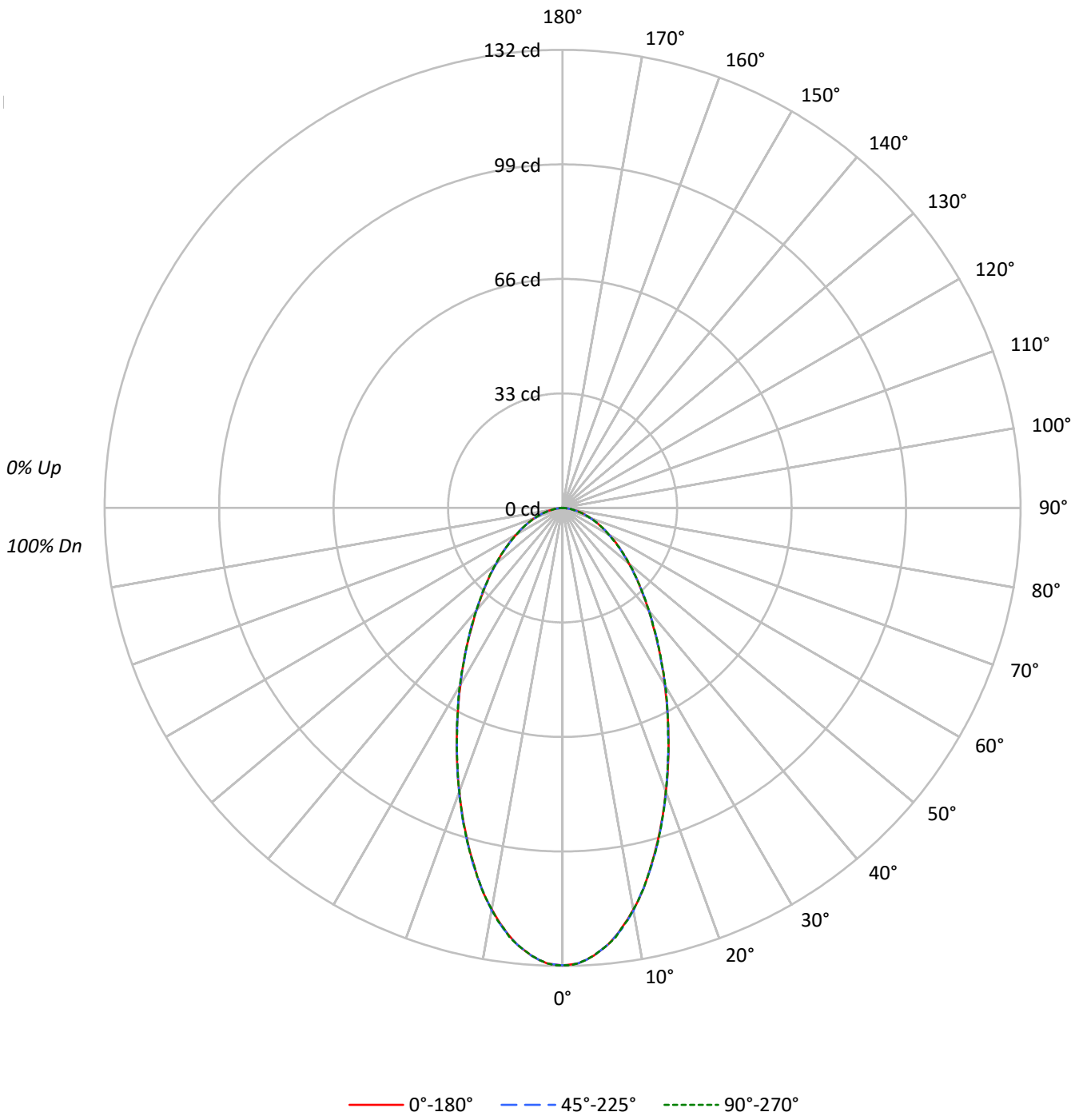
Lumens per Lamp:	N/A
Luminaire Lumens:	165.0 lumens
Efficiency:	N/A
Efficacy:	45.8 lumens/watt
Spacing Criteria (0/90/45):	0.79 / 0.79 / 0.89
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct
Input Watts (W):	3.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1315118
CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1315118
CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQPHRLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22699	22699	22699
5°	22111	22111	22111
10°	20548	20601	20548
15°	18329	18365	18365
20°	15945	15982	15945
25°	13720	13682	13682
30°	11713	11753	11793
35°	10050	10050	10092
40°	8701	8701	8701
45°	7599	7599	7599
50°	6671	6671	6725
55°	5975	5975	5975
60°	5304	5304	5304
65°	4809	4809	4809
70°	4330	4230	4330
75°	3926	3793	3793
80°	3174	3174	3174
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7599 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1315118
CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	7.2
10°-20°	28.7	17.4
20°-30°	33.2	20.1
30°-40°	30.1	18.2
40°-50°	24.2	14.7
50°-60°	17.8	10.8
60°-70°	11.8	7.1
70°-80°	6.1	3.7
80°-90°	1.4	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°	73.7	44.7
0°-40°	103.8	62.9
0°-60°	145.8	88.4
0°-90°	165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	165.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	132	132	132	132	132	
5°	128	128	128	128	128	12
15°	103	103	103	103	103	29
25°	72	72	72	72	72	33
35°	48	48	48	48	48	30
45°	31	31	31	31	31	24
55°	20	20	20	20	20	18
65°	12	12	12	12	12	12
75°	6	6	6	6	6	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1315118
CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	131.8	131.8	131.8	131.8	131.8
1°	131.6	132.0	131.6	131.6	131.8
2°	131.3	131.6	131.3	131.3	131.3
3°	130.4	130.9	130.4	130.4	130.4
4°	129.3	129.8	129.3	129.3	129.3
5°	127.9	128.4	127.9	127.9	127.9
6°	126.4	126.6	126.4	126.4	126.4
7°	124.5	124.8	124.5	124.5	124.8
8°	122.3	122.5	122.5	122.3	122.3
9°	120.0	120.2	120.2	120.0	120.2
10°	117.5	117.8	117.8	117.5	117.5
11°	115.0	115.3	114.8	114.8	115.0
12°	112.1	112.3	112.1	112.1	112.1
13°	109.1	109.1	109.1	109.1	109.1
14°	105.8	106.2	106.2	106.0	105.8
15°	102.8	103.0	103.0	102.8	103.0
17.5°	94.9	95.3	95.1	95.1	95.1
20°	87.0	87.2	87.2	87.0	87.0
22.5°	79.5	79.3	79.3	79.3	79.3
25°	72.2	72.0	72.0	72.2	72.0
27.5°	65.2	65.4	65.4	65.2	65.4
30°	58.9	58.9	59.1	58.9	59.3
32.5°	53.2	53.2	53.0	53.2	53.2
35°	47.8	47.8	47.8	47.8	48.0
37.5°	42.8	43.0	43.3	43.3	43.0
40°	38.7	38.7	38.7	38.7	38.7
42.5°	34.6	34.6	34.9	34.9	34.9
45°	31.2	31.2	31.2	31.2	31.2
47.5°	28.1	28.1	27.9	27.9	28.1
50°	24.9	25.1	24.9	24.9	25.1
52.5°	22.4	22.2	22.2	22.4	22.4
55°	19.9	19.9	19.9	19.7	19.9
57.5°	17.7	17.7	17.4	17.4	17.4
60°	15.4	15.4	15.4	15.4	15.4
62.5°	13.6	13.6	13.6	13.6	13.6
65°	11.8	11.8	11.8	11.8	11.8
67.5°	10.2	10.2	10.2	10.2	10.0
70°	8.6	8.6	8.4	8.4	8.6
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.9	5.7	5.7	5.7	5.7
77.5°	4.5	4.5	4.3	4.5	4.3
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.3	2.0	2.0	2.0	2.0
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.2	0.5

TEST NUMBER: P1315118
CATALOG NUMBER: LDSQA3D02R259735DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	*0.0*	0.0	0.0	0.0

(END OF REPORT)