

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: P1319076

Luminaire Tested: LDSQA3D09R259835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319076
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: LDSQA3D09R259835DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

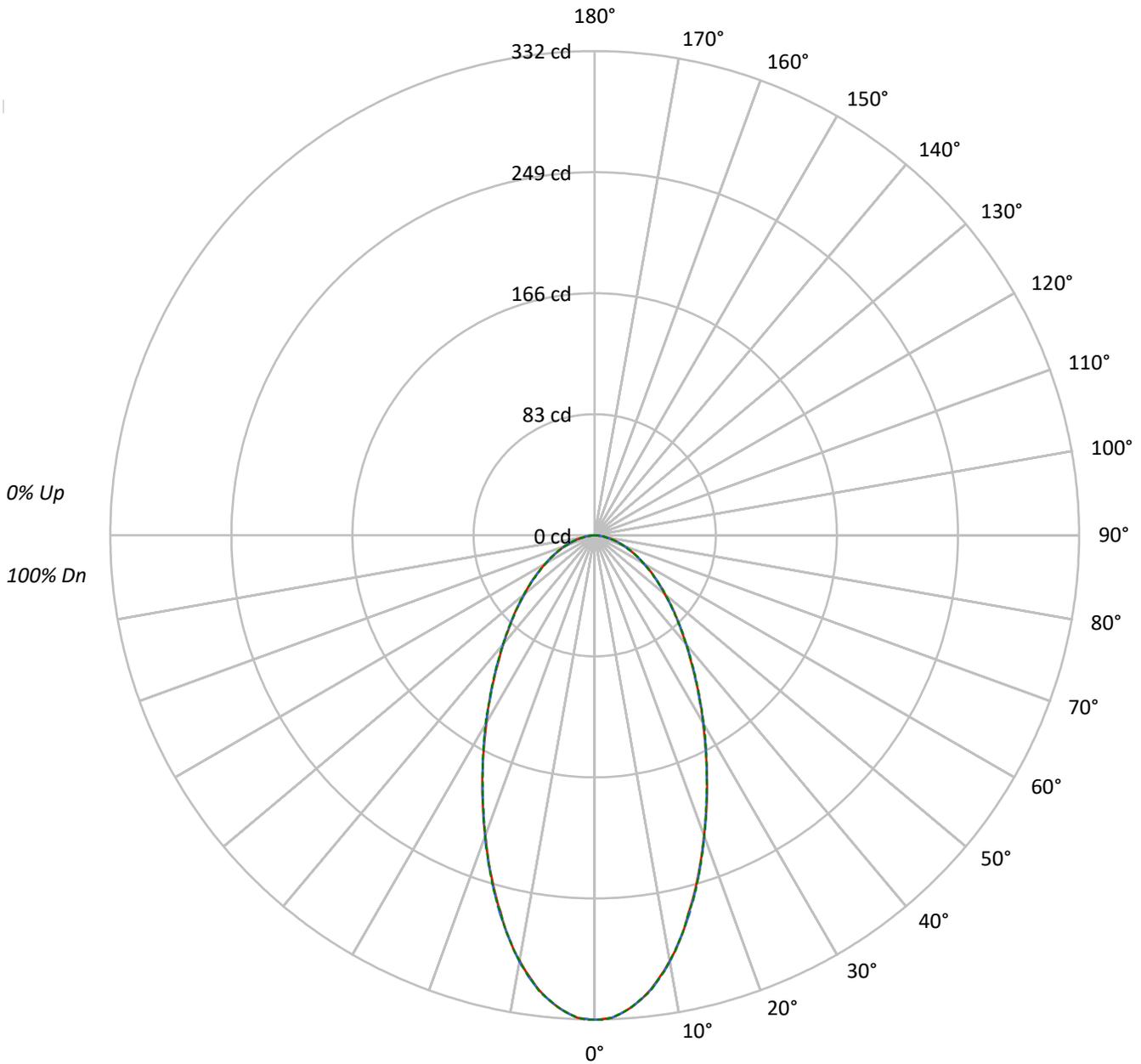
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 416.0 lumens
Efficiency: N/A
Efficacy: 37.8 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): 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

TEST NUMBER: P1319076
CATALOG NUMBER: LDSQA3D09R259835DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ··· 90°-270°



TEST NUMBER: P1319076

CATALOG NUMBER: LDSQA3D09R259835DE010 3LSQPHRLD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57230	57230	57230
5°	55771	55771	55771
10°	51817	51922	51817
15°	46215	46322	46322
20°	40174	40284	40174
25°	34604	34509	34509
30°	29512	29631	29750
35°	25335	25335	25440
40°	21942	21942	21942
45°	19192	19192	19192
50°	16826	16826	16987
55°	15073	15073	15073
60°	13364	13364	13364
65°	12103	12103	12103
70°	10927	10625	10927
75°	9848	9515	9515
80°	7934	7934	7934
85°	5730	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19192 cd/sqm



TEST NUMBER: P1319076

CATALOG NUMBER: LDSQA3D09R259835DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	7.2
10°-20°	72.3	17.4
20°-30°	83.6	20.1
30°-40°	75.8	18.2
40°-50°	61.1	14.7
50°-60°	45.0	10.8
60°-70°	29.6	7.1
70°-80°	15.3	3.7
80°-90°	3.5	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°	185.9	44.7
0°-40°	261.6	62.9
0°-60°	367.7	88.4
0°-90°	416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	332	332	332	332	332	
5°	323	324	323	323	323	30
15°	259	260	260	259	260	72
25°	182	182	182	182	182	84
35°	120	120	120	120	121	76
45°	79	79	79	79	79	61
55°	50	50	50	50	50	45
65°	30	30	30	30	30	30
75°	15	14	14	14	14	15
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P1319076

CATALOG NUMBER: LDSQA3D09R259835DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	332.3	332.3	332.3	332.3	332.3
1°	331.7	332.8	331.7	331.7	332.3
2°	331.1	331.7	331.1	331.1	331.1
3°	328.8	330.0	328.8	328.8	328.8
4°	326.0	327.1	326.0	326.0	326.0
5°	322.6	323.7	322.6	322.6	322.6
6°	318.6	319.1	318.6	318.6	318.6
7°	314.0	314.6	314.0	314.0	314.6
8°	308.3	308.9	308.9	308.3	308.3
9°	302.6	303.2	303.2	302.6	303.2
10°	296.3	296.9	296.9	296.3	296.3
11°	290.0	290.6	289.5	289.5	290.0
12°	282.6	283.2	282.6	282.6	282.6
13°	275.2	275.2	275.2	275.2	275.2
14°	266.6	267.8	267.8	267.2	266.6
15°	259.2	259.8	259.8	259.2	259.8
17.5°	239.2	240.4	239.8	239.8	239.8
20°	219.2	219.8	219.8	219.2	219.2
22.5°	200.4	199.8	199.8	199.8	199.8
25°	182.1	181.6	181.6	182.1	181.6
27.5°	164.4	165.0	165.0	164.4	165.0
30°	148.4	148.4	149.0	148.4	149.6
32.5°	134.2	134.2	133.6	134.2	134.2
35°	120.5	120.5	120.5	120.5	121.0
37.5°	107.9	108.5	109.0	109.0	108.5
40°	97.6	97.6	97.6	97.6	97.6
42.5°	87.4	87.4	87.9	87.9	87.9
45°	78.8	78.8	78.8	78.8	78.8
47.5°	70.8	70.8	70.2	70.2	70.8
50°	62.8	63.4	62.8	62.8	63.4
52.5°	56.5	56.0	56.0	56.5	56.5
55°	50.2	50.2	50.2	49.7	50.2
57.5°	44.5	44.5	44.0	44.0	44.0
60°	38.8	38.8	38.8	38.8	38.8
62.5°	34.3	34.3	34.3	34.3	34.3
65°	29.7	29.7	29.7	29.7	29.7
67.5°	25.7	25.7	25.7	25.7	25.1
70°	21.7	21.7	21.1	21.1	21.7
72.5°	17.7	17.7	17.7	17.7	17.7
75°	14.8	14.3	14.3	14.3	14.3
77.5°	11.4	11.4	10.8	11.4	10.8
80°	8.0	8.0	8.0	8.0	8.0
82.5°	5.7	5.1	5.1	5.1	5.1
85°	2.9	2.9	2.9	2.9	2.9
87.5°	0.6	0.6	0.6	0.6	1.1



TEST NUMBER: P1319076

CATALOG NUMBER: LDSQA3D09R259835DE010 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)