

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: P1315443

Luminaire Tested: LDSQA3D09R259735DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315443
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: LDSQA3D09R259735DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

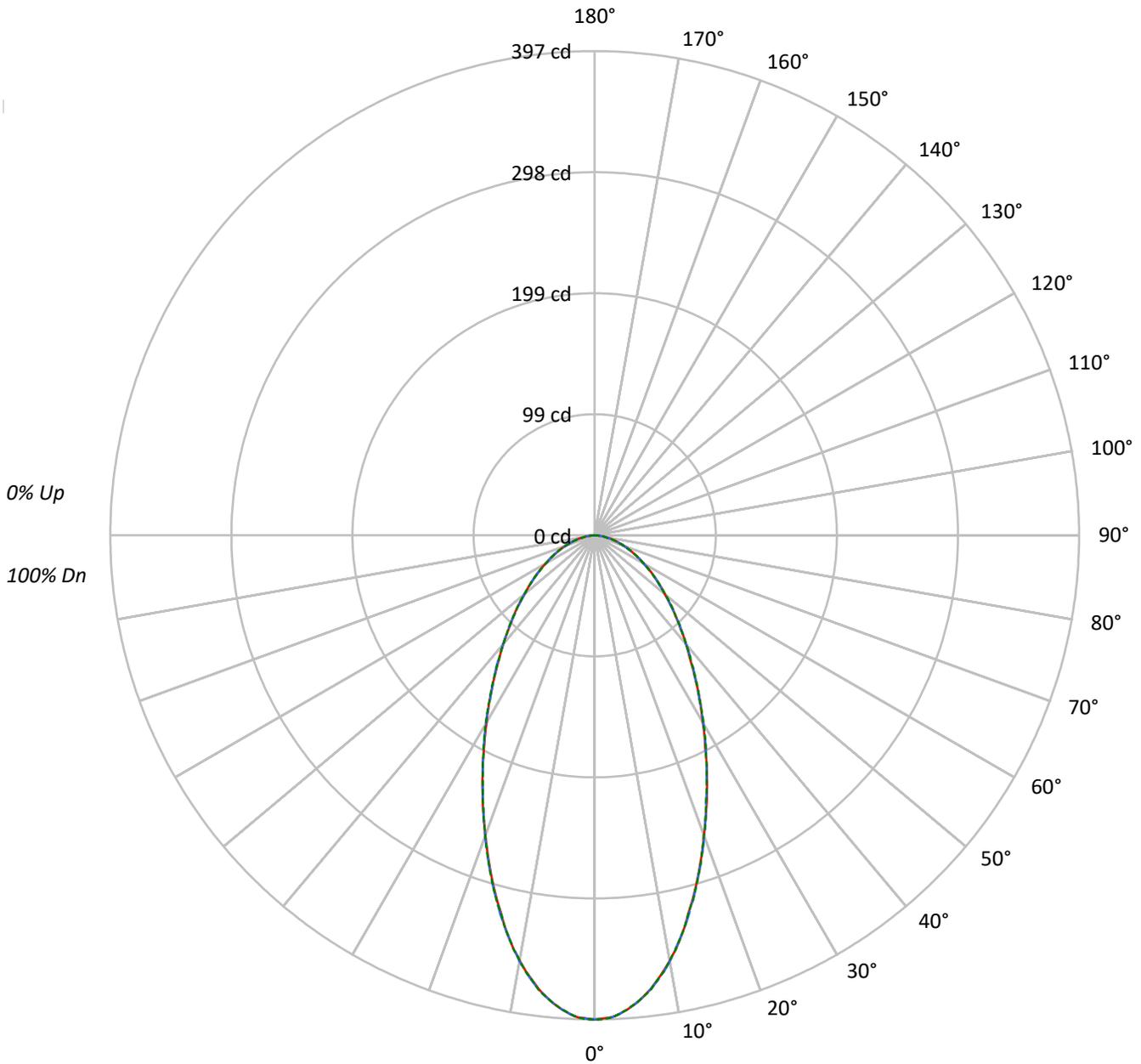
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 496.9 lumens
Efficiency: N/A
Efficacy: 44.8 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): 11.1
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: P1315443
CATALOG NUMBER: LDSQA3D09R259735DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1315443

CATALOG NUMBER: LDSQA3D09R259735DE010 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	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°	68372	68372	68372
5°	66628	66628	66628
10°	61907	62030	61907
15°	55219	55326	55326
20°	48000	48128	48000
25°	41350	41217	41217
30°	35259	35398	35537
35°	30254	30254	30401
40°	26214	26214	26214
45°	22919	22919	22919
50°	20095	20095	20282
55°	18016	18016	18016
60°	15982	15982	15982
65°	14467	14467	14467
70°	13042	12689	13042
75°	11778	11379	11379
80°	9422	9422	9422
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22919 cd/sqm



TEST NUMBER: P1315443

CATALOG NUMBER: LDSQA3D09R259735DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	7.2
10°-20°	86.4	17.4
20°-30°	99.8	20.1
30°-40°	90.5	18.2
40°-50°	73.0	14.7
50°-60°	53.7	10.8
60°-70°	35.4	7.1
70°-80°	18.2	3.7
80°-90°	4.1	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°	222.1	44.7
0°-40°	312.6	62.9
0°-60°	439.2	88.4
0°-90°	496.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	385	387	385	385	385	36
15°	310	310	310	310	310	86
25°	218	217	217	218	217	100
35°	144	144	144	144	145	90
45°	94	94	94	94	94	73
55°	60	60	60	59	60	54
65°	36	36	36	36	36	35
75°	18	17	17	17	17	18
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°	397.0	397.0	397.0	397.0	397.0
1°	396.3	397.7	396.3	396.3	397.0
2°	395.6	396.3	395.6	395.6	395.6
3°	392.9	394.2	392.9	392.9	392.9
4°	389.5	390.8	389.5	389.5	389.5
5°	385.4	386.7	385.4	385.4	385.4
6°	380.6	381.3	380.6	380.6	380.6
7°	375.1	375.8	375.1	375.1	375.8
8°	368.3	369.0	369.0	368.3	368.3
9°	361.5	362.2	362.2	361.5	362.2
10°	354.0	354.7	354.7	354.0	354.0
11°	346.5	347.2	345.8	345.8	346.5
12°	337.6	338.3	337.6	337.6	337.6
13°	328.8	328.8	328.8	328.8	328.8
14°	318.5	319.9	319.9	319.2	318.5
15°	309.7	310.3	310.3	309.7	310.3
17.5°	285.8	287.2	286.5	286.5	286.5
20°	261.9	262.6	262.6	261.9	261.9
22.5°	239.4	238.7	238.7	238.7	238.7
25°	217.6	216.9	216.9	217.6	216.9
27.5°	196.4	197.1	197.1	196.4	197.1
30°	177.3	177.3	178.0	177.3	178.7
32.5°	160.3	160.3	159.6	160.3	160.3
35°	143.9	143.9	143.9	143.9	144.6
37.5°	128.9	129.6	130.3	130.3	129.6
40°	116.6	116.6	116.6	116.6	116.6
42.5°	104.4	104.4	105.0	105.0	105.0
45°	94.1	94.1	94.1	94.1	94.1
47.5°	84.6	84.6	83.9	83.9	84.6
50°	75.0	75.7	75.0	75.0	75.7
52.5°	67.5	66.8	66.8	67.5	67.5
55°	60.0	60.0	60.0	59.3	60.0
57.5°	53.2	53.2	52.5	52.5	52.5
60°	46.4	46.4	46.4	46.4	46.4
62.5°	40.9	40.9	40.9	40.9	40.9
65°	35.5	35.5	35.5	35.5	35.5
67.5°	30.7	30.7	30.7	30.7	30.0
70°	25.9	25.9	25.2	25.2	25.9
72.5°	21.1	21.1	21.1	21.1	21.1
75°	17.7	17.1	17.1	17.1	17.1
77.5°	13.6	13.6	13.0	13.6	13.0
80°	9.5	9.5	9.5	9.5	9.5
82.5°	6.8	6.1	6.1	6.1	6.1
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	0.7	1.4



TEST NUMBER: P1315443

CATALOG NUMBER: LDSQA3D09R259735DE010 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)