

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: P1307950

Luminaire Tested: LDSQA3D09R259027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307950
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: LDSQA3D09R259027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

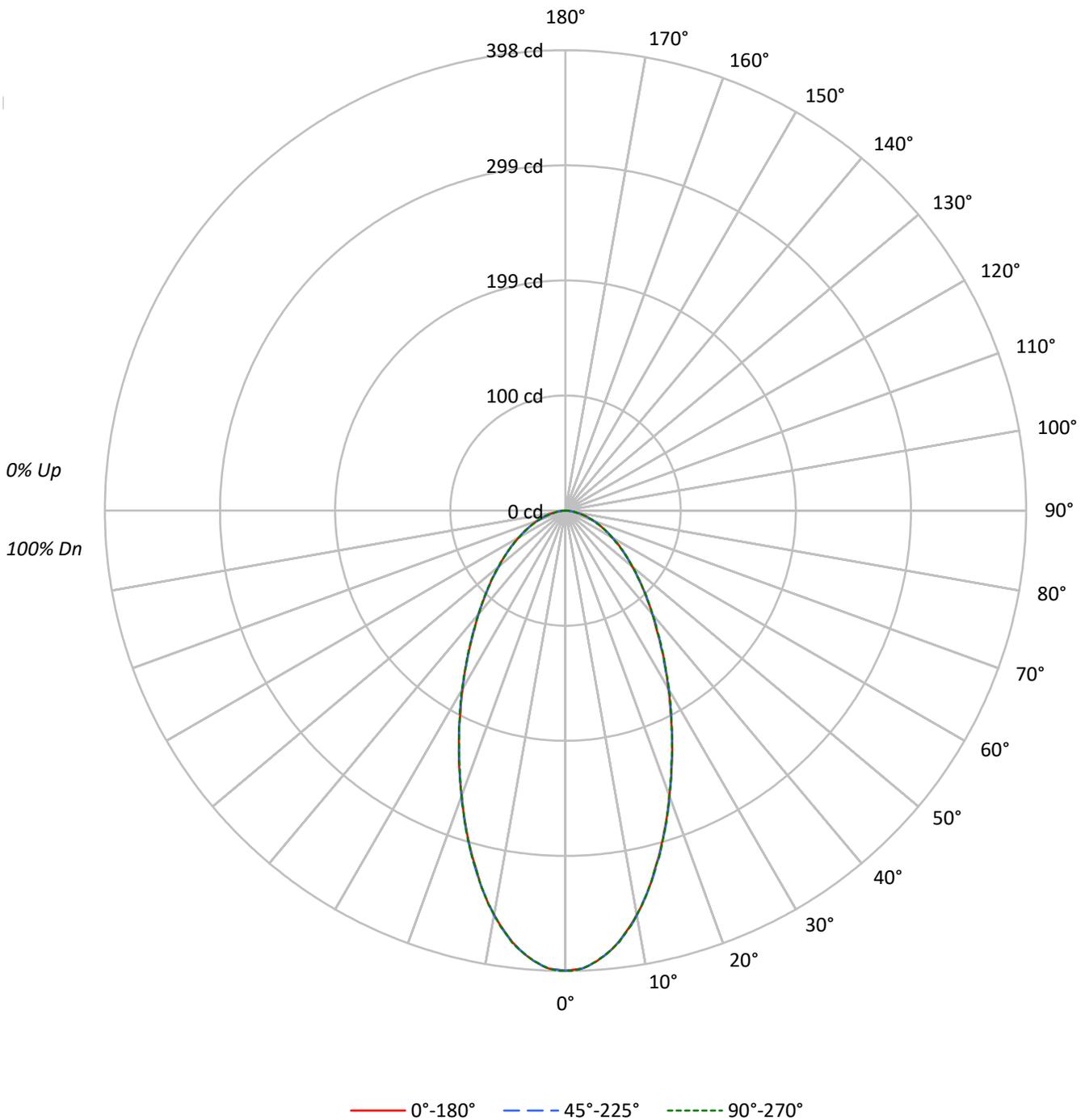
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 44.9 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

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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	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	63	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°	68510	68510	68510
5°	66766	66766	66766
10°	62030	62152	62030
15°	55326	55451	55451
20°	48091	48220	48091
25°	41426	41293	41293
30°	35338	35478	35617
35°	30317	30317	30465
40°	26282	26282	26282
45°	22968	22968	22968
50°	20148	20148	20336
55°	18046	18046	18046
60°	16017	16017	16017
65°	14467	14467	14467
70°	13092	12740	13092
75°	11844	11379	11379
80°	9521	9521	9521
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	7.2
10°-20°	86.6	17.4
20°-30°	100.0	20.1
30°-40°	90.7	18.2
40°-50°	73.1	14.7
50°-60°	53.8	10.8
60°-70°	35.4	7.1
70°-80°	18.3	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°	222.5	44.7
0°-40°	313.2	62.9
0°-60°	440.2	88.4
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	386	388	386	386	386	36
15°	310	311	311	310	311	86
25°	218	217	217	218	217	100
35°	144	144	144	144	145	91
45°	94	94	94	94	94	73
55°	60	60	60	60	60	54
65°	36	36	36	36	36	35
75°	18	17	17	17	17	19
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°	397.8	397.8	397.8	397.8	397.8
1°	397.1	398.5	397.1	397.1	397.8
2°	396.4	397.1	396.4	396.4	396.4
3°	393.7	395.0	393.7	393.7	393.7
4°	390.3	391.6	390.3	390.3	390.3
5°	386.2	387.5	386.2	386.2	386.2
6°	381.4	382.1	381.4	381.4	381.4
7°	375.9	376.6	375.9	375.9	376.6
8°	369.1	369.7	369.7	369.1	369.1
9°	362.2	362.9	362.9	362.2	362.9
10°	354.7	355.4	355.4	354.7	354.7
11°	347.2	347.9	346.5	346.5	347.2
12°	338.3	339.0	338.3	338.3	338.3
13°	329.4	329.4	329.4	329.4	329.4
14°	319.2	320.5	320.5	319.9	319.2
15°	310.3	311.0	311.0	310.3	311.0
17.5°	286.4	287.7	287.1	287.1	287.1
20°	262.4	263.1	263.1	262.4	262.4
22.5°	239.9	239.2	239.2	239.2	239.2
25°	218.0	217.3	217.3	218.0	217.3
27.5°	196.8	197.5	197.5	196.8	197.5
30°	177.7	177.7	178.4	177.7	179.1
32.5°	160.6	160.6	159.9	160.6	160.6
35°	144.2	144.2	144.2	144.2	144.9
37.5°	129.2	129.9	130.5	130.5	129.9
40°	116.9	116.9	116.9	116.9	116.9
42.5°	104.6	104.6	105.3	105.3	105.3
45°	94.3	94.3	94.3	94.3	94.3
47.5°	84.7	84.7	84.1	84.1	84.7
50°	75.2	75.9	75.2	75.2	75.9
52.5°	67.7	67.0	67.0	67.7	67.7
55°	60.1	60.1	60.1	59.5	60.1
57.5°	53.3	53.3	52.6	52.6	52.6
60°	46.5	46.5	46.5	46.5	46.5
62.5°	41.0	41.0	41.0	41.0	41.0
65°	35.5	35.5	35.5	35.5	35.5
67.5°	30.8	30.8	30.8	30.8	30.1
70°	26.0	26.0	25.3	25.3	26.0
72.5°	21.2	21.2	21.2	21.2	21.2
75°	17.8	17.1	17.1	17.1	17.1
77.5°	13.7	13.7	13.0	13.7	13.0
80°	9.6	9.6	9.6	9.6	9.6
82.5°	6.8	6.2	6.2	6.2	6.2
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	0.7	1.4



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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)