

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: P1319986

Luminaire Tested: LDSQA3D09R359840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

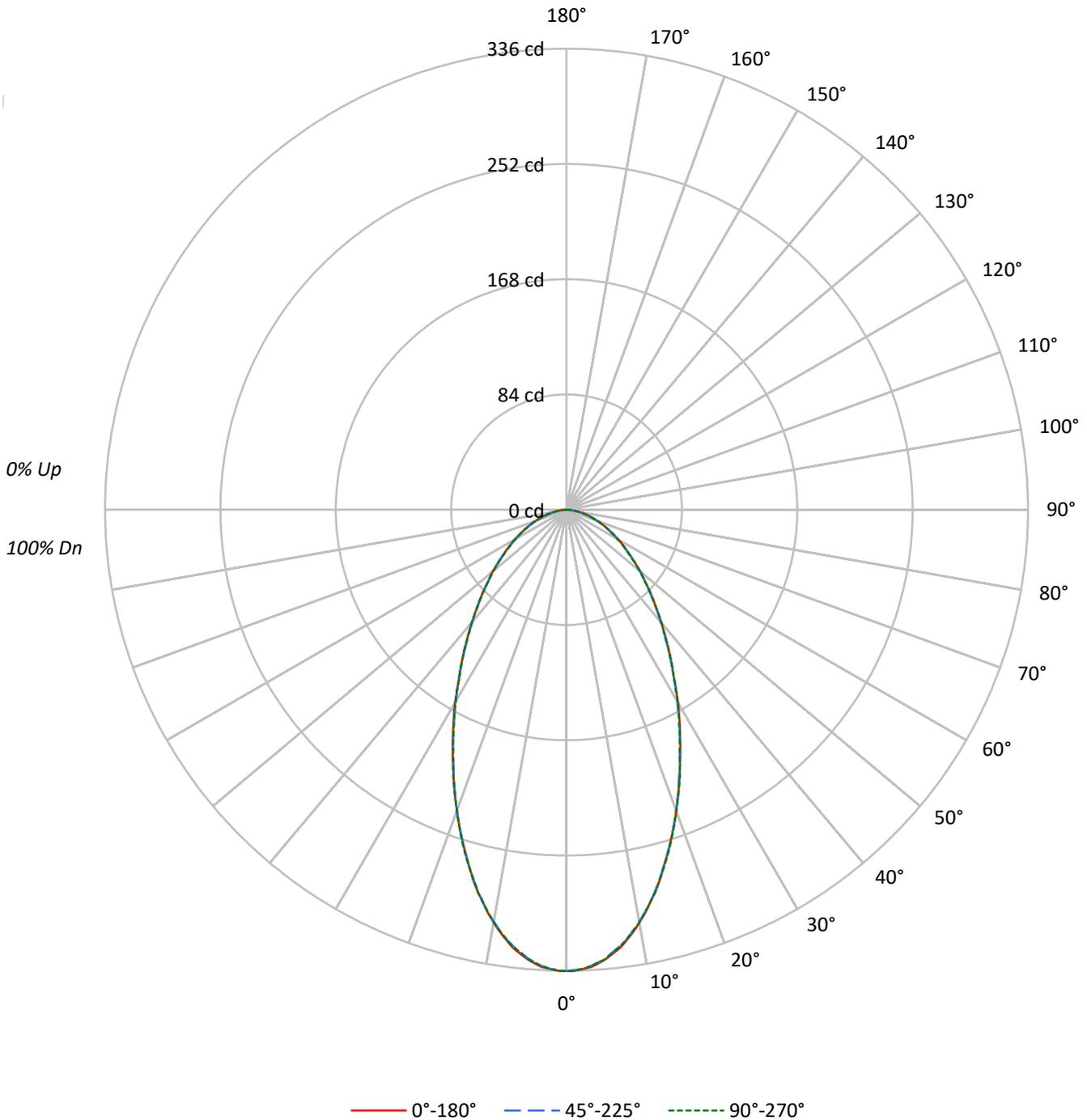
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
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				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	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57884	57884	57884
5°	56809	56705	56809
10°	53408	53303	53408
15°	48354	48354	48461
20°	42795	42795	42795
25°	37226	37112	37112
30°	32276	32037	32157
35°	27773	27647	27773
40°	24101	23966	24101
45°	21165	21019	21019
50°	18782	18621	18621
55°	16514	16514	16514
60°	14983	14777	14983
65°	13448	13448	13448
70°	11984	11984	11984
75°	10780	10381	10780
80°	9224	9224	9224
85°	5730	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21165 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	6.8
10°-20°	75.6	16.8
20°-30°	89.9	20.0
30°-40°	82.6	18.4
40°-50°	67.1	14.9
50°-60°	49.6	11.1
60°-70°	32.8	7.3
70°-80°	17.0	3.8
80°-90°	3.8	0.9
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°	196.1	43.7
0°-40°	278.7	62.1
0°-60°	395.4	88.1
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	336	336	336	336	336	
5°	329	328	328	328	329	31
15°	271	271	271	271	272	76
25°	196	195	195	196	195	90
35°	132	132	132	132	132	83
45°	87	86	86	86	86	67
55°	55	55	55	55	55	50
65°	33	33	33	33	33	33
75°	16	16	16	16	16	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°	336.1	336.1	336.1	336.1	336.1
1°	336.1	335.5	335.5	335.5	336.1
2°	334.9	334.9	334.9	334.9	334.9
3°	333.8	333.2	333.2	333.2	333.2
4°	331.5	330.9	330.9	330.9	330.9
5°	328.6	328.0	328.0	328.0	328.6
6°	325.1	324.5	323.9	323.9	324.5
7°	321.6	320.4	320.4	320.4	320.4
8°	316.4	315.8	315.8	315.8	315.8
9°	311.2	310.0	310.6	310.6	310.6
10°	305.4	304.8	304.8	304.8	305.4
11°	299.6	299.0	299.0	298.4	299.0
12°	292.6	292.6	292.6	292.6	292.6
13°	286.3	285.7	285.7	285.7	286.3
14°	279.3	278.7	278.7	278.7	278.7
15°	271.2	271.2	271.2	271.2	271.8
17.5°	252.6	252.1	252.6	252.6	253.2
20°	233.5	232.9	233.5	233.5	233.5
22.5°	214.4	214.4	213.8	214.4	215.0
25°	195.9	195.3	195.3	195.9	195.3
27.5°	178.5	177.9	177.9	177.9	177.9
30°	162.3	161.1	161.1	161.7	161.7
32.5°	145.4	145.4	146.0	145.4	145.4
35°	132.1	131.5	131.5	132.1	132.1
37.5°	118.8	118.2	118.2	118.8	118.8
40°	107.2	107.2	106.6	107.2	107.2
42.5°	96.2	96.2	96.2	96.2	96.2
45°	86.9	86.3	86.3	86.3	86.3
47.5°	77.6	77.6	77.6	77.1	77.6
50°	70.1	69.5	69.5	69.5	69.5
52.5°	62.0	62.0	62.0	62.0	62.0
55°	55.0	55.0	55.0	55.0	55.0
57.5°	49.3	48.7	48.7	48.7	48.7
60°	43.5	43.5	42.9	43.5	43.5
62.5°	37.7	37.7	37.7	37.7	37.7
65°	33.0	33.0	33.0	33.0	33.0
67.5°	28.4	28.4	28.4	28.4	28.4
70°	23.8	23.8	23.8	23.8	23.8
72.5°	20.3	19.7	19.7	19.7	19.7
75°	16.2	16.2	15.6	16.2	16.2
77.5°	12.2	12.2	12.2	12.2	12.2
80°	9.3	9.3	9.3	8.7	9.3
82.5°	5.8	5.8	5.8	5.8	5.8
85°	2.9	2.9	2.9	2.9	2.9
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)