

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: P1312235

Luminaire Tested: LDSQA3D05R259050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312235
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: LDSQA3D05R259050DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

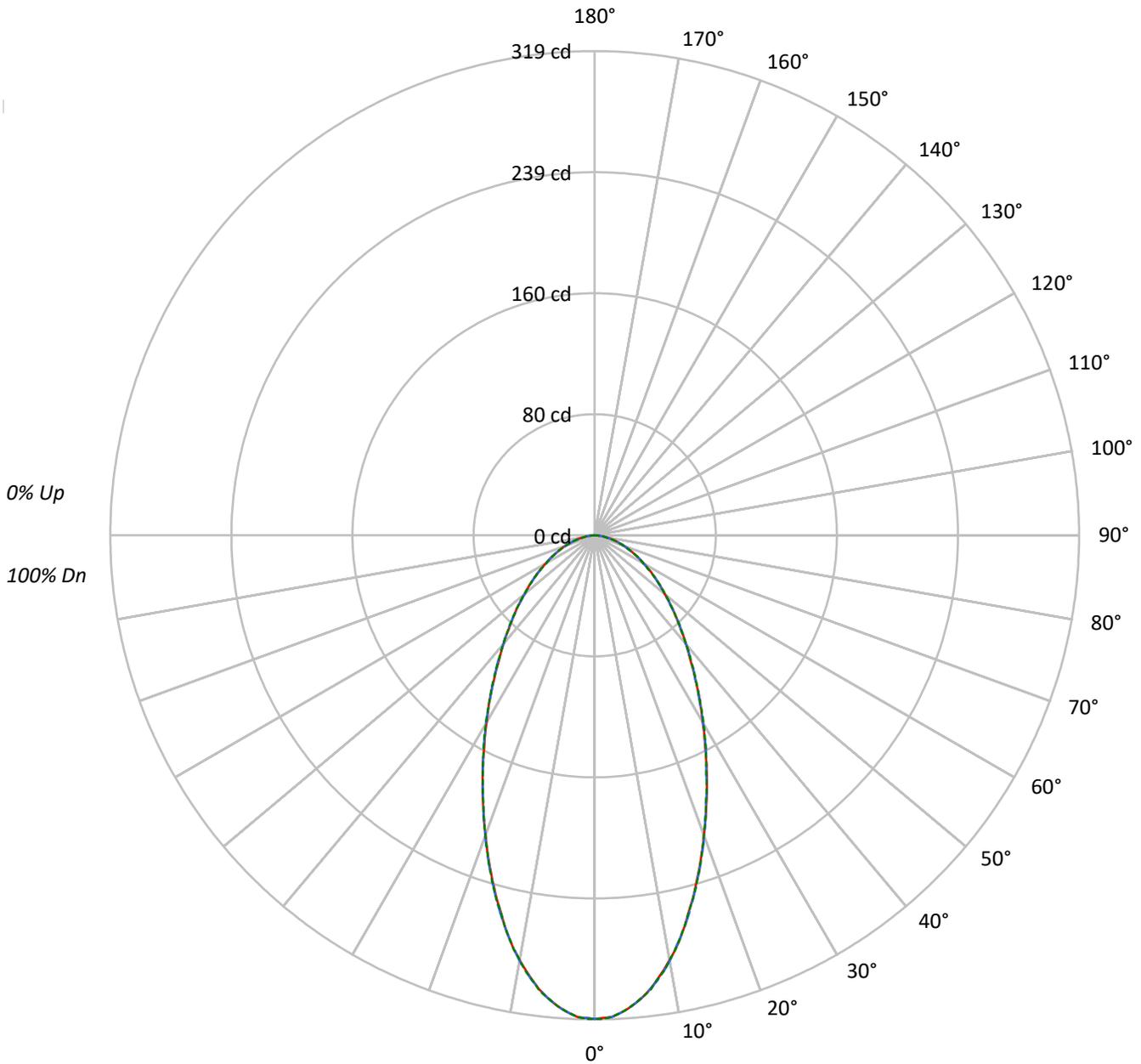
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 55.4 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): 7.2
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



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54887	54887	54887
5°	53489	53489	53489
10°	49701	49788	49701
15°	44325	44432	44432
20°	38543	38634	38543
25°	33198	33084	33084
30°	28318	28418	28537
35°	24283	24283	24409
40°	21043	21043	21043
45°	18413	18413	18413
50°	16129	16129	16290
55°	14473	14473	14473
60°	12813	12813	12813
65°	11614	11614	11614
70°	10474	10222	10474
75°	9449	9116	9116
80°	7637	7637	7637
85°	5335	5335	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	7.2
10°-20°	69.4	17.4
20°-30°	80.2	20.1
30°-40°	72.7	18.2
40°-50°	58.6	14.7
50°-60°	43.1	10.8
60°-70°	28.4	7.1
70°-80°	14.7	3.7
80°-90°	3.3	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°	178.3	44.7
0°-40°	250.9	62.9
0°-60°	352.7	88.4
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	319	319	319	319	319	
5°	309	310	309	309	309	29
15°	249	249	249	249	249	69
25°	175	174	174	175	174	80
35°	116	116	116	116	116	73
45°	76	76	76	76	76	59
55°	48	48	48	48	48	43
65°	28	28	28	28	28	28
75°	14	14	14	14	14	15
85°	3	3	3	3	3	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	318.7	318.7	318.7	318.7	318.7
1°	318.1	319.2	318.1	318.1	318.7
2°	317.6	318.1	317.6	317.6	317.6
3°	315.4	316.5	315.4	315.4	315.4
4°	312.7	313.8	312.7	312.7	312.7
5°	309.4	310.5	309.4	309.4	309.4
6°	305.6	306.1	305.6	305.6	305.6
7°	301.2	301.7	301.2	301.2	301.7
8°	295.7	296.2	296.2	295.7	295.7
9°	290.2	290.8	290.8	290.2	290.8
10°	284.2	284.7	284.7	284.2	284.2
11°	278.2	278.7	277.6	277.6	278.2
12°	271.1	271.6	271.1	271.1	271.1
13°	263.9	263.9	263.9	263.9	263.9
14°	255.7	256.8	256.8	256.3	255.7
15°	248.6	249.2	249.2	248.6	249.2
17.5°	229.4	230.5	230.0	230.0	230.0
20°	210.3	210.8	210.8	210.3	210.3
22.5°	192.2	191.7	191.7	191.7	191.7
25°	174.7	174.1	174.1	174.7	174.1
27.5°	157.7	158.3	158.3	157.7	158.3
30°	142.4	142.4	142.9	142.4	143.5
32.5°	128.7	128.7	128.1	128.7	128.7
35°	115.5	115.5	115.5	115.5	116.1
37.5°	103.5	104.0	104.6	104.6	104.0
40°	93.6	93.6	93.6	93.6	93.6
42.5°	83.8	83.8	84.3	84.3	84.3
45°	75.6	75.6	75.6	75.6	75.6
47.5°	67.9	67.9	67.4	67.4	67.9
50°	60.2	60.8	60.2	60.2	60.8
52.5°	54.2	53.7	53.7	54.2	54.2
55°	48.2	48.2	48.2	47.6	48.2
57.5°	42.7	42.7	42.2	42.2	42.2
60°	37.2	37.2	37.2	37.2	37.2
62.5°	32.9	32.9	32.9	32.9	32.9
65°	28.5	28.5	28.5	28.5	28.5
67.5°	24.6	24.6	24.6	24.6	24.1
70°	20.8	20.8	20.3	20.3	20.8
72.5°	17.0	17.0	17.0	17.0	17.0
75°	14.2	13.7	13.7	13.7	13.7
77.5°	11.0	11.0	10.4	11.0	10.4
80°	7.7	7.7	7.7	7.7	7.7
82.5°	5.5	4.9	4.9	4.9	4.9
85°	2.7	2.7	2.7	2.7	2.7
87.5°	0.5	0.5	0.5	0.5	1.1



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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)