

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: P1306838

Luminaire Tested: LDSQA3D05R309024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

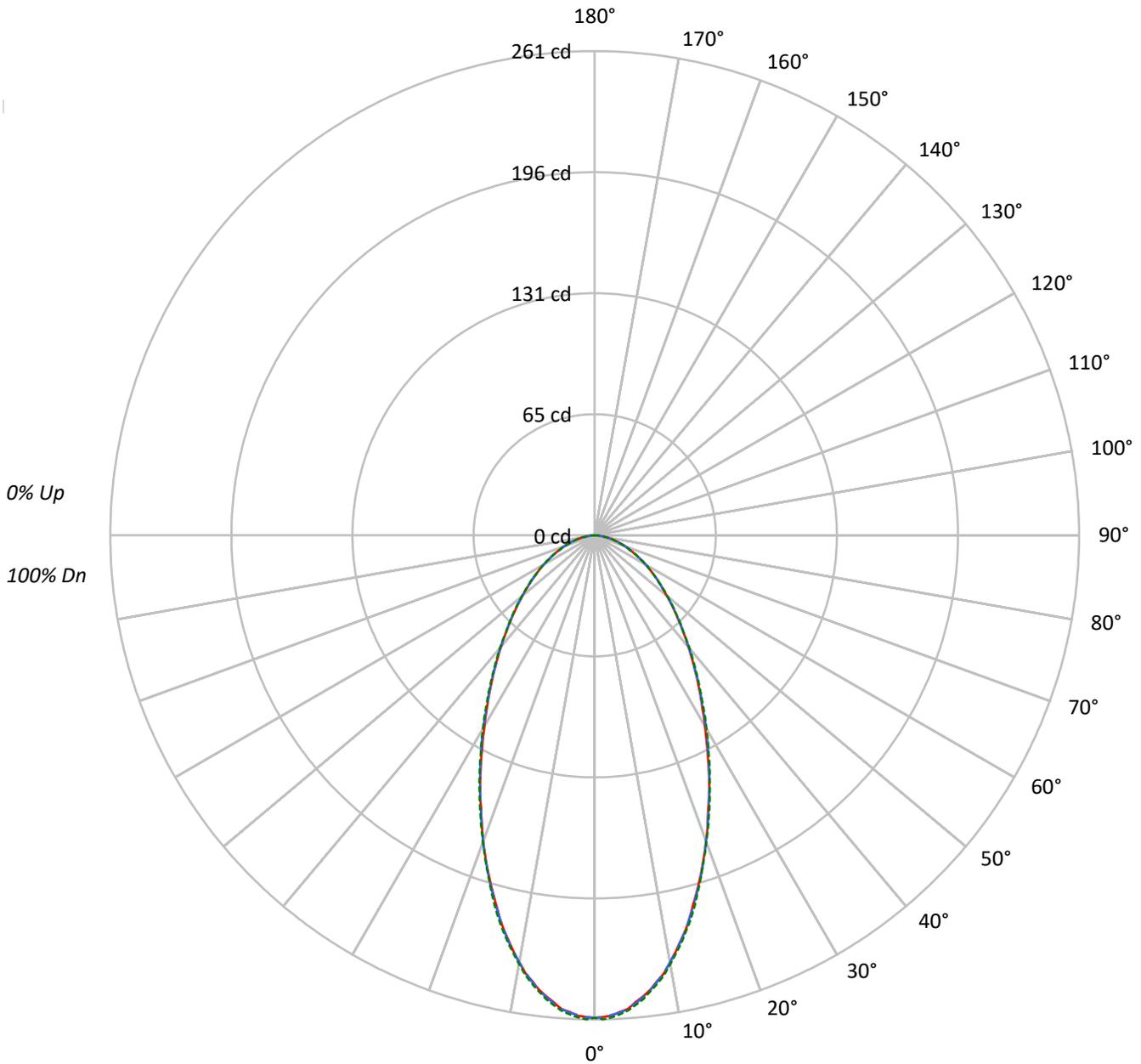
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 334.0 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
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% Up
100% Dn

— 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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44795	44795	44795
5°	43687	43773	43929
10°	40887	40887	41044
15°	36658	36747	36979
20°	32183	32183	32256
25°	27744	27744	27915
30°	23605	23884	23983
35°	20394	20499	20583
40°	17648	17761	17873
45°	15417	15539	15539
50°	13611	13611	13745
55°	12221	12221	12221
60°	10988	10988	10988
65°	9780	9780	9780
70°	8862	8862	8862
75°	7985	7719	7719
80°	6843	6447	6447
85°	4545	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15539 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	7.1
10°-20°	57.4	17.2
20°-30°	67.1	20.1
30°-40°	61.0	18.3
40°-50°	49.3	14.8
50°-60°	36.4	10.9
60°-70°	24.0	7.2
70°-80°	12.4	3.7
80°-90°	2.8	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°	148.1	44.3
0°-40°	209.1	62.6
0°-60°	294.8	88.3
0°-90°	334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	260	260	260	260	260	
5°	253	253	253	253	254	24
15°	206	206	206	206	207	57
25°	146	146	146	146	147	67
35°	97	97	98	98	98	61
45°	63	64	64	64	64	49
55°	41	40	41	40	41	36
65°	24	24	24	24	24	24
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	260.1	260.1	260.1	260.1	260.1
1°	259.7	259.7	260.1	259.7	261.0
2°	259.2	258.7	258.7	258.7	260.1
3°	257.3	257.3	257.8	257.3	258.7
4°	256.0	255.5	256.0	255.5	256.9
5°	252.7	252.7	253.2	253.2	254.1
6°	249.9	249.9	250.4	249.9	251.3
7°	246.7	246.7	246.7	246.7	247.6
8°	242.6	242.6	243.0	243.0	243.9
9°	238.9	238.4	238.4	238.4	239.8
10°	233.8	233.8	233.8	233.8	234.7
11°	228.7	228.7	228.7	228.7	229.6
12°	223.2	223.2	223.6	223.2	224.5
13°	218.1	218.1	218.1	218.1	219.0
14°	212.1	211.6	212.1	212.1	213.5
15°	205.6	206.1	206.1	206.1	207.4
17.5°	190.8	190.8	191.3	190.3	191.3
20°	175.6	175.1	175.6	175.6	176.0
22.5°	159.9	160.3	160.3	160.3	161.2
25°	146.0	145.5	146.0	146.0	146.9
27.5°	131.7	132.1	132.6	132.1	133.1
30°	118.7	119.7	120.1	119.2	120.6
32.5°	107.2	107.2	107.6	108.1	108.6
35°	97.0	96.6	97.5	97.5	97.9
37.5°	87.3	87.3	87.3	87.8	88.2
40°	78.5	78.5	79.0	79.0	79.5
42.5°	70.7	70.2	70.7	70.7	70.7
45°	63.3	63.8	63.8	63.8	63.8
47.5°	56.8	56.8	57.3	56.8	57.3
50°	50.8	50.8	50.8	50.8	51.3
52.5°	45.3	45.3	45.3	45.3	45.7
55°	40.7	40.2	40.7	40.2	40.7
57.5°	36.0	36.0	36.0	36.0	36.0
60°	31.9	31.4	31.9	31.4	31.9
62.5°	27.7	27.7	27.7	27.7	27.7
65°	24.0	24.0	24.0	24.0	24.0
67.5°	20.8	20.8	20.8	20.3	20.3
70°	17.6	17.6	17.6	17.6	17.6
72.5°	14.8	14.3	14.3	14.3	14.3
75°	12.0	11.6	11.6	11.6	11.6
77.5°	9.2	9.2	8.8	8.8	9.2
80°	6.9	6.5	6.5	6.5	6.5
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.3	2.3	2.3	2.3	2.3
87.5°	0.5	0.5	0.5	0.9	0.9



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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)