

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: P1326450

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326450
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: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

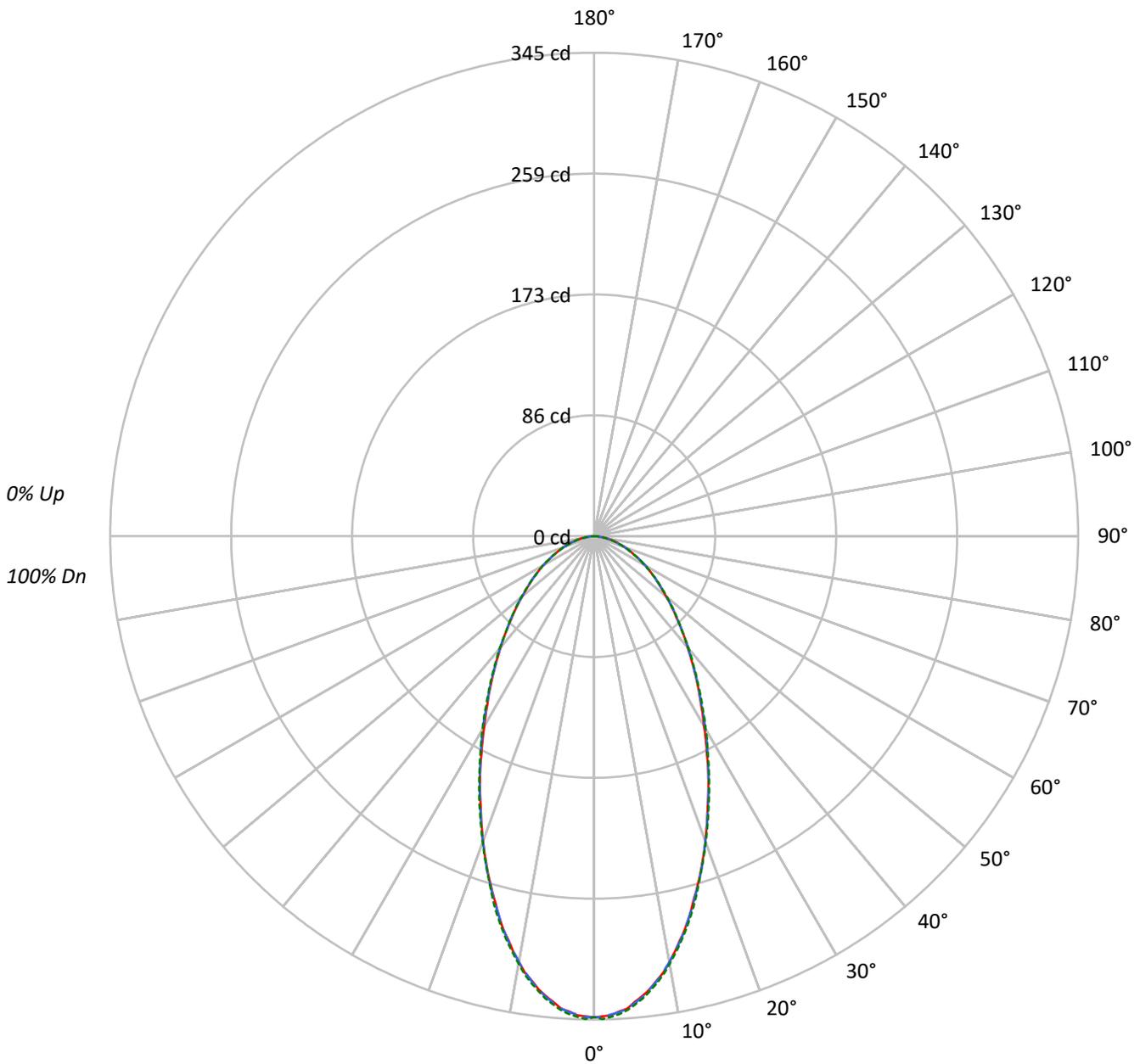
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 49.0 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): 9
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°	59141	59141	59141
5°	57690	57794	58001
10°	53985	53985	54195
15°	48408	48515	48836
20°	42483	42483	42593
25°	36637	36637	36865
30°	31182	31540	31659
35°	26932	27059	27185
40°	23314	23449	23584
45°	20362	20508	20508
50°	17978	17978	18139
55°	16124	16124	16124
60°	14501	14501	14501
65°	12918	12918	12918
70°	11682	11682	11682
75°	10580	10181	10181
80°	9124	8430	8430
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	7.1
10°-20°	75.8	17.2
20°-30°	88.6	20.1
30°-40°	80.6	18.3
40°-50°	65.1	14.8
50°-60°	48.1	10.9
60°-70°	31.7	7.2
70°-80°	16.4	3.7
80°-90°	3.7	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°	195.5	44.3
0°-40°	276.1	62.6
0°-60°	389.3	88.3
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	334	334	334	334	336	31
15°	272	272	272	272	274	76
25°	193	192	193	193	194	88
35°	128	128	129	129	129	80
45°	84	84	84	84	84	65
55°	54	53	54	53	54	48
65°	32	32	32	32	32	32
75°	16	15	15	15	15	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°	343.4	343.4	343.4	343.4	343.4
1°	342.8	342.8	343.4	342.8	344.7
2°	342.2	341.6	341.6	341.6	343.4
3°	339.8	339.8	340.4	339.8	341.6
4°	338.0	337.3	338.0	337.3	339.2
5°	333.7	333.7	334.3	334.3	335.5
6°	330.0	330.0	330.6	330.0	331.9
7°	325.8	325.8	325.8	325.8	327.0
8°	320.3	320.3	320.9	320.9	322.1
9°	315.4	314.8	314.8	314.8	316.6
10°	308.7	308.7	308.7	308.7	309.9
11°	302.0	302.0	302.0	302.0	303.2
12°	294.6	294.6	295.3	294.6	296.5
13°	287.9	287.9	287.9	287.9	289.2
14°	280.0	279.4	280.0	280.0	281.8
15°	271.5	272.1	272.1	272.1	273.9
17.5°	251.9	251.9	252.5	251.3	252.5
20°	231.8	231.2	231.8	231.8	232.4
22.5°	211.1	211.7	211.7	211.7	212.9
25°	192.8	192.2	192.8	192.8	194.0
27.5°	173.9	174.5	175.1	174.5	175.7
30°	156.8	158.0	158.6	157.4	159.2
32.5°	141.5	141.5	142.1	142.7	143.4
35°	128.1	127.5	128.7	128.7	129.3
37.5°	115.3	115.3	115.3	115.9	116.5
40°	103.7	103.7	104.3	104.3	104.9
42.5°	93.3	92.7	93.3	93.3	93.3
45°	83.6	84.2	84.2	84.2	84.2
47.5°	75.0	75.0	75.6	75.0	75.6
50°	67.1	67.1	67.1	67.1	67.7
52.5°	59.8	59.8	59.8	59.8	60.4
55°	53.7	53.1	53.7	53.1	53.7
57.5°	47.6	47.6	47.6	47.6	47.6
60°	42.1	41.5	42.1	41.5	42.1
62.5°	36.6	36.6	36.6	36.6	36.6
65°	31.7	31.7	31.7	31.7	31.7
67.5°	27.5	27.5	27.5	26.8	26.8
70°	23.2	23.2	23.2	23.2	23.2
72.5°	19.5	18.9	18.9	18.9	18.9
75°	15.9	15.3	15.3	15.3	15.3
77.5°	12.2	12.2	11.6	11.6	12.2
80°	9.2	8.5	8.5	8.5	8.5
82.5°	5.5	5.5	5.5	5.5	5.5
85°	3.1	3.1	3.1	3.1	3.1
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)