

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: P1326449

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326449
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

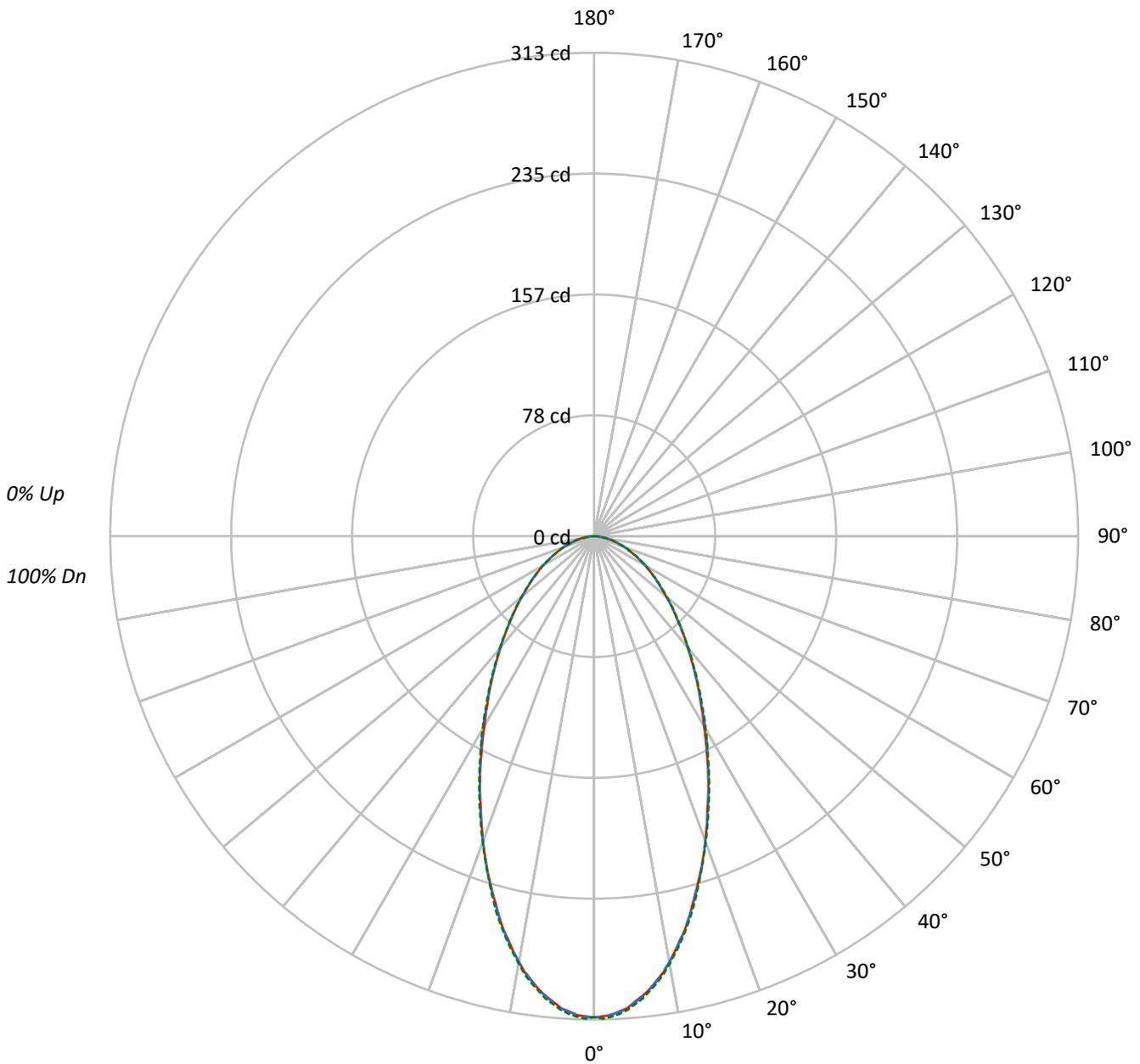
Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1326449

CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_2700K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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CATALOG NUMBER: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_2700K

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53647	53647	53647
5°	52331	52417	52608
10°	48966	48966	49159
15°	43897	44004	44289
20°	38543	38543	38634
25°	33217	33217	33445
30°	28279	28617	28716
35°	24430	24536	24662
40°	21156	21268	21403
45°	18462	18608	18608
50°	16317	16317	16451
55°	14623	14623	14623
60°	13158	13158	13158
65°	11736	11736	11736
70°	10574	10574	10574
75°	9582	9183	9183
80°	8232	7637	7637
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18608 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	7.1
10°-20°	68.8	17.2
20°-30°	80.3	20.1
30°-40°	73.1	18.3
40°-50°	59.1	14.8
50°-60°	43.6	10.9
60°-70°	28.7	7.2
70°-80°	14.8	3.7
80°-90°	3.4	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°	177.3	44.3
0°-40°	250.4	62.6
0°-60°	353.1	88.3
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	312	312	312	312	312	
5°	303	303	303	303	304	28
15°	246	247	247	247	248	69
25°	175	174	175	175	176	80
35°	116	116	117	117	117	73
45°	76	76	76	76	76	59
55°	49	48	49	48	49	44
65°	29	29	29	29	29	29
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°	311.5	311.5	311.5	311.5	311.5
1°	311.0	311.0	311.5	311.0	312.6
2°	310.4	309.9	309.9	309.9	311.5
3°	308.2	308.2	308.7	308.2	309.9
4°	306.5	306.0	306.5	306.0	307.6
5°	302.7	302.7	303.2	303.2	304.3
6°	299.3	299.3	299.9	299.3	301.0
7°	295.5	295.5	295.5	295.5	296.6
8°	290.5	290.5	291.0	291.0	292.1
9°	286.1	285.5	285.5	285.5	287.2
10°	280.0	280.0	280.0	280.0	281.1
11°	273.9	273.9	273.9	273.9	275.0
12°	267.2	267.2	267.8	267.2	268.9
13°	261.2	261.2	261.2	261.2	262.3
14°	254.0	253.4	254.0	254.0	255.6
15°	246.2	246.8	246.8	246.8	248.4
17.5°	228.5	228.5	229.1	228.0	229.1
20°	210.3	209.7	210.3	210.3	210.8
22.5°	191.4	192.0	192.0	192.0	193.1
25°	174.8	174.3	174.8	174.8	176.0
27.5°	157.7	158.2	158.8	158.2	159.4
30°	142.2	143.3	143.9	142.8	144.4
32.5°	128.4	128.4	128.9	129.5	130.0
35°	116.2	115.6	116.7	116.7	117.3
37.5°	104.6	104.6	104.6	105.1	105.7
40°	94.1	94.1	94.6	94.6	95.2
42.5°	84.7	84.1	84.7	84.7	84.7
45°	75.8	76.4	76.4	76.4	76.4
47.5°	68.1	68.1	68.6	68.1	68.6
50°	60.9	60.9	60.9	60.9	61.4
52.5°	54.2	54.2	54.2	54.2	54.8
55°	48.7	48.1	48.7	48.1	48.7
57.5°	43.2	43.2	43.2	43.2	43.2
60°	38.2	37.6	38.2	37.6	38.2
62.5°	33.2	33.2	33.2	33.2	33.2
65°	28.8	28.8	28.8	28.8	28.8
67.5°	24.9	24.9	24.9	24.3	24.3
70°	21.0	21.0	21.0	21.0	21.0
72.5°	17.7	17.2	17.2	17.2	17.2
75°	14.4	13.8	13.8	13.8	13.8
77.5°	11.1	11.1	10.5	10.5	11.1
80°	8.3	7.7	7.7	7.7	7.7
82.5°	5.0	5.0	5.0	5.0	5.0
85°	2.8	2.8	2.8	2.8	2.8
87.5°	0.6	0.6	0.6	1.1	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)