

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: P1326452

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326452
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

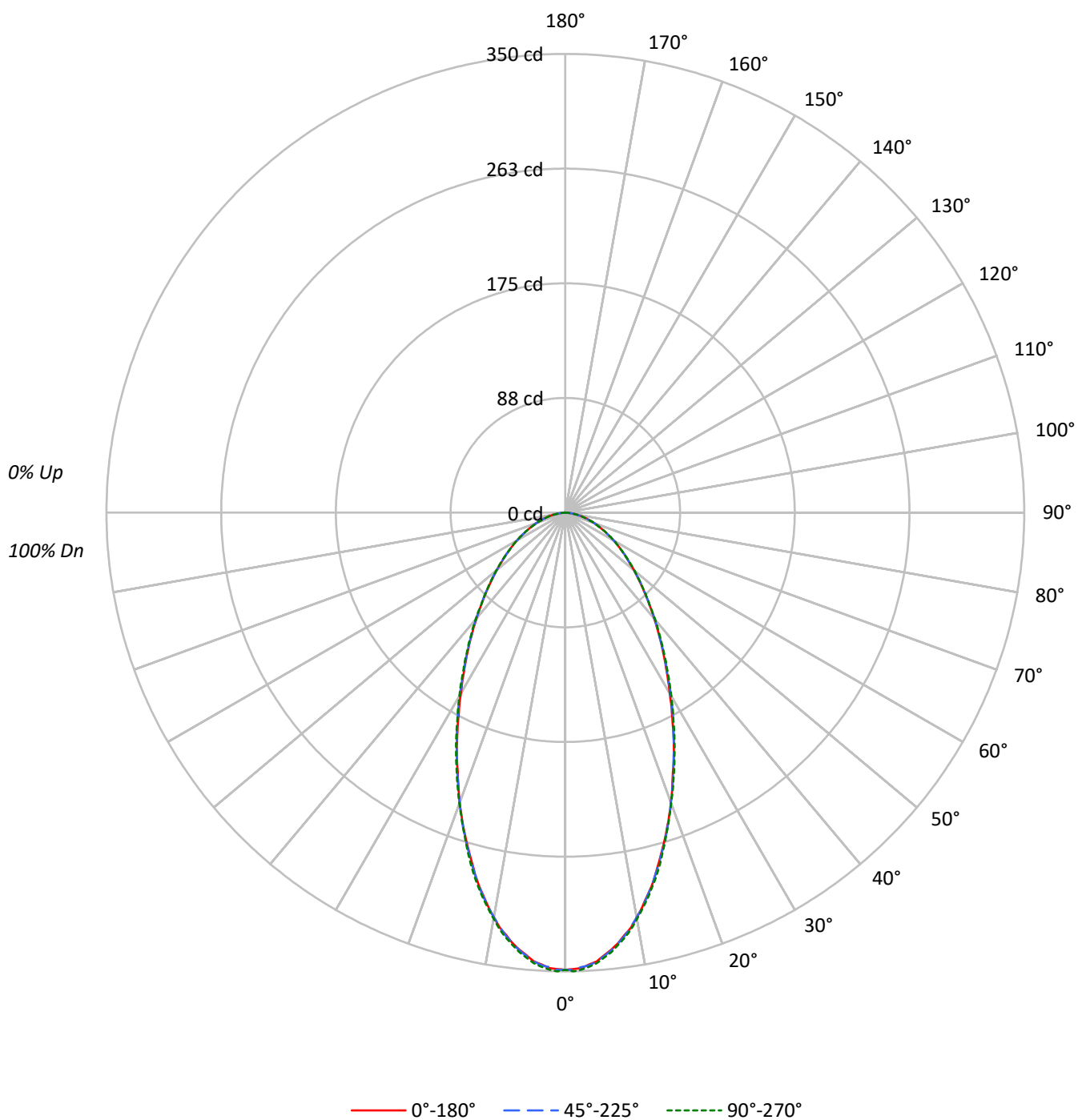
Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	77	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60	60	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	49	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60088	60088	60088
5°	58606	58710	58918
10°	54842	54842	55052
15°	49175	49282	49603
20°	43161	43161	43271
25°	37207	37207	37454
30°	31679	32037	32157
35°	27353	27500	27626
40°	23696	23831	23966
45°	20678	20824	20824
50°	18273	18273	18434
55°	16364	16364	16364
60°	14742	14742	14742
65°	13122	13122	13122
70°	11833	11833	11833
75°	10713	10314	10314
80°	9224	8629	8629
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	7.1
10°-20°	77.0	17.2
20°-30°	90.0	20.1
30°-40°	81.9	18.3
40°-50°	66.1	14.8
50°-60°	48.8	10.9
60°-70°	32.2	7.2
70°-80°	16.6	3.7
80°-90°	3.8	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°	198.6	44.3
0°-40°	280.5	62.6
0°-60°	395.4	88.3
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	349	349	349	349	349	
5°	339	339	340	340	341	32
15°	276	276	276	276	278	77
25°	196	195	196	196	197	90
35°	130	130	131	131	131	82
45°	85	86	86	86	86	66
55°	54	54	54	54	54	49
65°	32	32	32	32	32	32
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°	348.9	348.9	348.9	348.9	348.9
1°	348.3	348.3	348.9	348.3	350.1
2°	347.7	347.0	347.0	347.0	348.9
3°	345.2	345.2	345.8	345.2	347.0
4°	343.3	342.7	343.3	342.7	344.6
5°	339.0	339.0	339.6	339.6	340.8
6°	335.3	335.3	335.9	335.3	337.1
7°	330.9	330.9	330.9	330.9	332.2
8°	325.3	325.3	326.0	326.0	327.2
9°	320.4	319.8	319.8	319.8	321.6
10°	313.6	313.6	313.6	313.6	314.8
11°	306.8	306.8	306.8	306.8	308.0
12°	299.3	299.3	299.9	299.3	301.2
13°	292.5	292.5	292.5	292.5	293.7
14°	284.4	283.8	284.4	284.4	286.3
15°	275.8	276.4	276.4	276.4	278.2
17.5°	255.9	255.9	256.6	255.3	256.6
20°	235.5	234.9	235.5	235.5	236.1
22.5°	214.4	215.0	215.0	215.0	216.3
25°	195.8	195.2	195.8	195.8	197.1
27.5°	176.6	177.2	177.9	177.2	178.5
30°	159.3	160.5	161.1	159.9	161.7
32.5°	143.8	143.8	144.4	145.0	145.6
35°	130.1	129.5	130.8	130.8	131.4
37.5°	117.1	117.1	117.1	117.7	118.4
40°	105.4	105.4	106.0	106.0	106.6
42.5°	94.8	94.2	94.8	94.8	94.8
45°	84.9	85.5	85.5	85.5	85.5
47.5°	76.2	76.2	76.8	76.2	76.8
50°	68.2	68.2	68.2	68.2	68.8
52.5°	60.7	60.7	60.7	60.7	61.4
55°	54.5	53.9	54.5	53.9	54.5
57.5°	48.3	48.3	48.3	48.3	48.3
60°	42.8	42.1	42.8	42.1	42.8
62.5°	37.2	37.2	37.2	37.2	37.2
65°	32.2	32.2	32.2	32.2	32.2
67.5°	27.9	27.9	27.9	27.3	27.3
70°	23.5	23.5	23.5	23.5	23.5
72.5°	19.8	19.2	19.2	19.2	19.2
75°	16.1	15.5	15.5	15.5	15.5
77.5°	12.4	12.4	11.8	11.8	12.4
80°	9.3	8.7	8.7	8.7	8.7
82.5°	5.6	5.6	5.6	5.6	5.6
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)