

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: P1326353

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326353
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: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

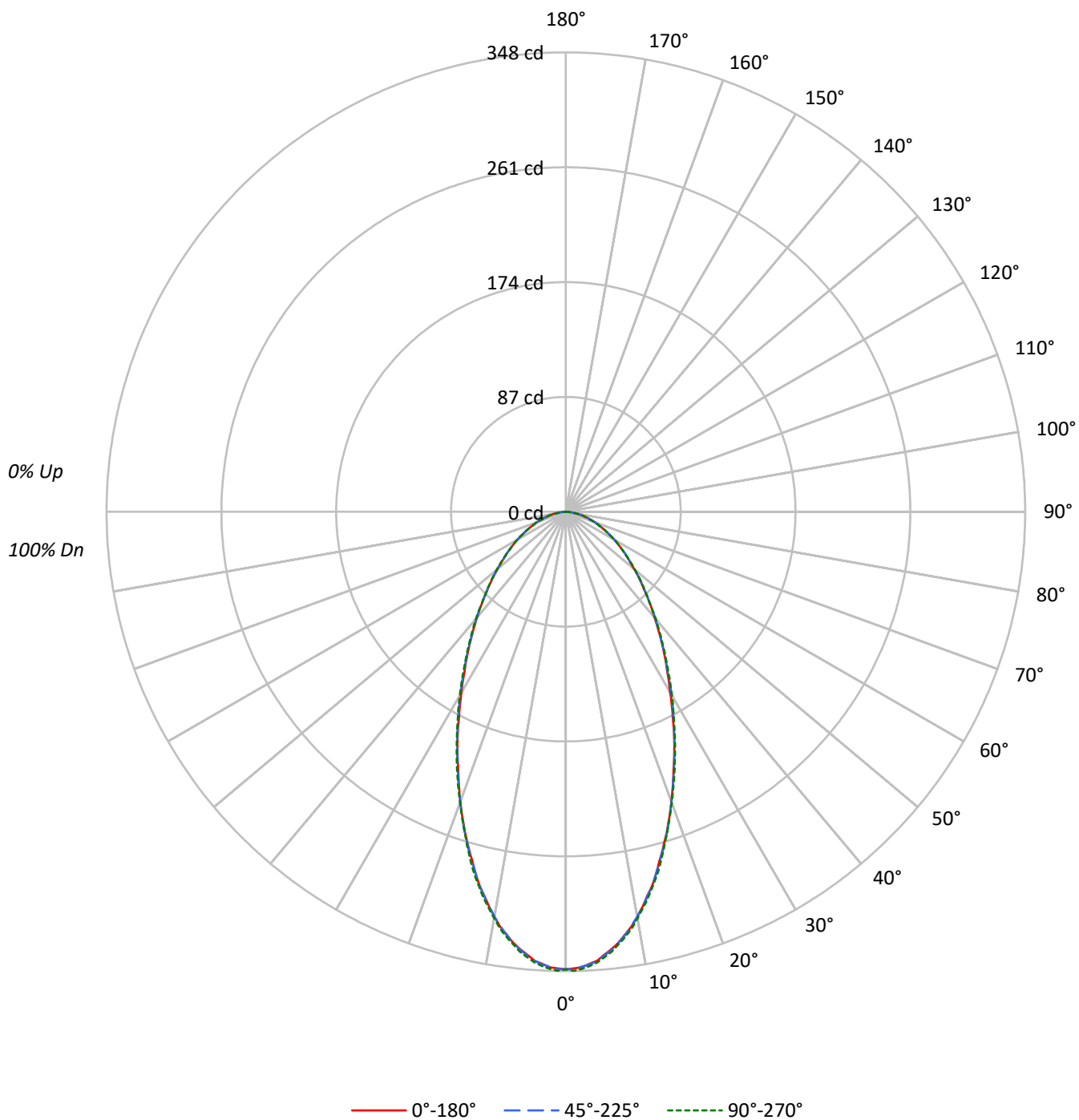
Lumens per Lamp: N/A
Luminaire Lumens: 445.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1326353

CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K

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	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	74	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°	59692	59692	59692
5°	58209	58313	58537
10°	54475	54475	54685
15°	48836	48943	49282
20°	42868	42868	42978
25°	36960	36960	37188
30°	31461	31818	31958
35°	27185	27311	27437
40°	23516	23674	23809
45°	20532	20678	20678
50°	18139	18139	18300
55°	16274	16274	16274
60°	14639	14639	14639
65°	13040	13040	13040
70°	11783	11783	11783
75°	10647	10247	10247
80°	9124	8529	8529
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20678 cd/sqm

TEST NUMBER: P1326353

CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	7.1
10°-20°	76.5	17.2
20°-30°	89.4	20.1
30°-40°	81.3	18.3
40°-50°	65.7	14.8
50°-60°	48.5	10.9
60°-70°	31.9	7.2
70°-80°	16.5	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°	197.3	44.3
0°-40°	278.6	62.6
0°-60°	392.8	88.3
0°-90°	445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	347	347	347	347	347	
5°	337	337	337	337	339	31
15°	274	274	274	274	276	76
25°	194	194	194	194	196	89
35°	129	129	130	130	130	81
45°	84	85	85	85	85	66
55°	54	54	54	54	54	49
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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CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	346.6	346.6	346.6	346.6	346.6
1°	345.9	345.9	346.6	345.9	347.8
2°	345.3	344.7	344.7	344.7	346.6
3°	342.9	342.9	343.5	342.9	344.7
4°	341.0	340.4	341.0	340.4	342.2
5°	336.7	336.7	337.3	337.3	338.6
6°	333.0	333.0	333.6	333.0	334.9
7°	328.7	328.7	328.7	328.7	329.9
8°	323.2	323.2	323.8	323.8	325.0
9°	318.2	317.6	317.6	317.6	319.5
10°	311.5	311.5	311.5	311.5	312.7
11°	304.7	304.7	304.7	304.7	305.9
12°	297.3	297.3	297.9	297.3	299.2
13°	290.5	290.5	290.5	290.5	291.8
14°	282.5	281.9	282.5	282.5	284.4
15°	273.9	274.5	274.5	274.5	276.4
17.5°	254.2	254.2	254.8	253.6	254.8
20°	233.9	233.3	233.9	233.9	234.5
22.5°	213.0	213.6	213.6	213.6	214.8
25°	194.5	193.9	194.5	194.5	195.7
27.5°	175.4	176.0	176.7	176.0	177.3
30°	158.2	159.4	160.0	158.8	160.7
32.5°	142.8	142.8	143.4	144.0	144.7
35°	129.3	128.7	129.9	129.9	130.5
37.5°	116.3	116.3	116.3	117.0	117.6
40°	104.6	104.6	105.3	105.3	105.9
42.5°	94.2	93.6	94.2	94.2	94.2
45°	84.3	84.9	84.9	84.9	84.9
47.5°	75.7	75.7	76.3	75.7	76.3
50°	67.7	67.7	67.7	67.7	68.3
52.5°	60.3	60.3	60.3	60.3	60.9
55°	54.2	53.6	54.2	53.6	54.2
57.5°	48.0	48.0	48.0	48.0	48.0
60°	42.5	41.9	42.5	41.9	42.5
62.5°	36.9	36.9	36.9	36.9	36.9
65°	32.0	32.0	32.0	32.0	32.0
67.5°	27.7	27.7	27.7	27.1	27.1
70°	23.4	23.4	23.4	23.4	23.4
72.5°	19.7	19.1	19.1	19.1	19.1
75°	16.0	15.4	15.4	15.4	15.4
77.5°	12.3	12.3	11.7	11.7	12.3
80°	9.2	8.6	8.6	8.6	8.6
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



TEST NUMBER: P1326353

CATALOG NUMBER: LDSQA3D09R30W2N902750DE010 3LSQPHRLD1MW_5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)