

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: IRiS

Report Number: P1292566

Luminaire Tested: P3A09R30W2N902750DE010 E3DL1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R30W2N902750DE010 E3DL1H_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

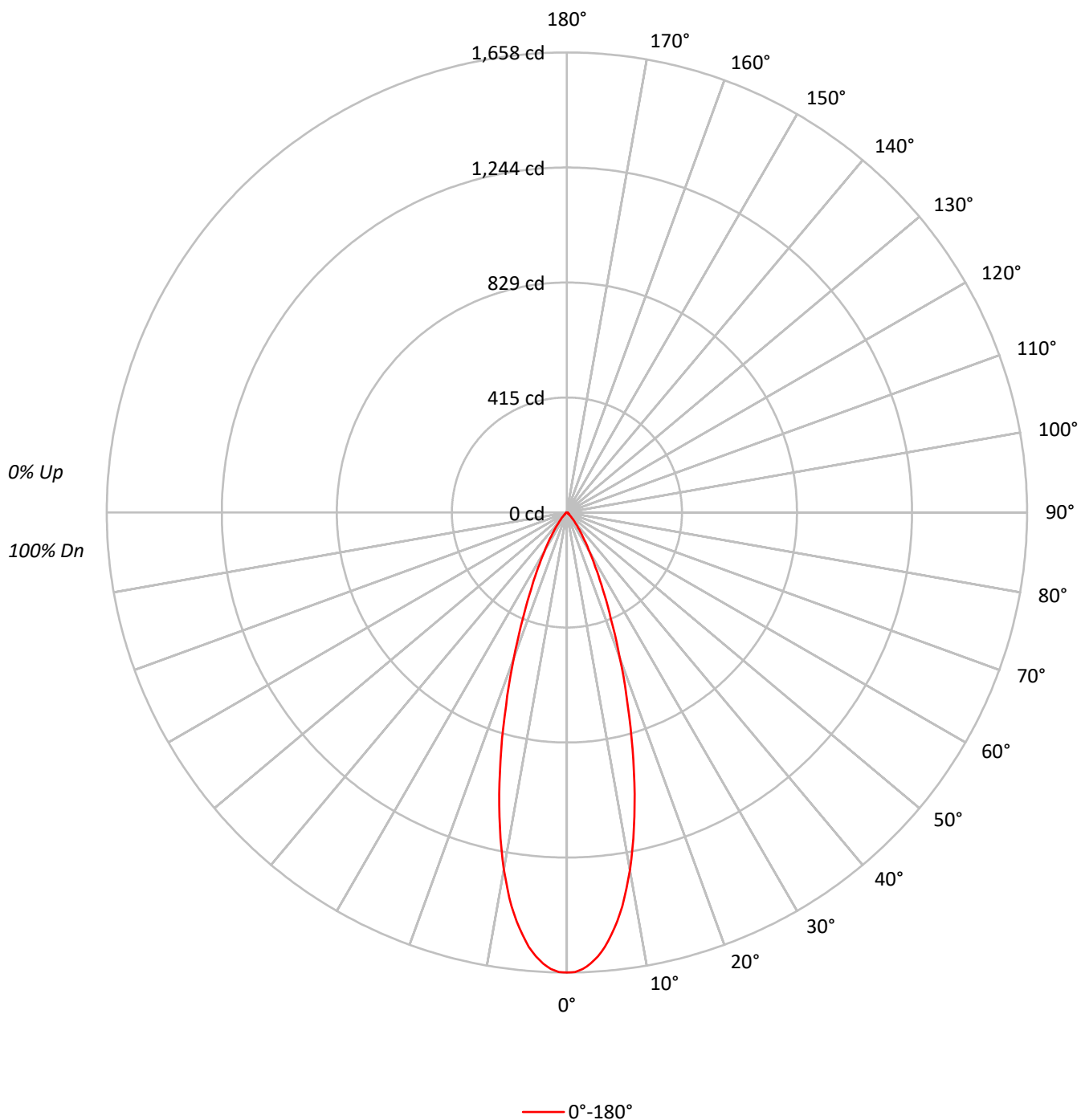
Lumens per Lamp: N/A
Luminaire Lumens: 623.0 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.54
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1292566

CATALOG NUMBER: P3A09R30W2N902750DE010 E3DL1H_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1292566

CATALOG NUMBER: P3A09R30W2N902750DE010 E3DL1H_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	99	100	101	102	103	104	105	106	107	108
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	92	93	95	97	99	101	103	105	107	109	111	113
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	87	89	91	93	95	97	99	101	103	105	107	109
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	85	88	90	92	94	96	98	100	102	104	106
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	81	84	86	88	90	92	94	96	98	100	102
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	81	78	76	76	78	81	83	85	87	89	91	93	95	97	99
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	73	75	78	80	82	84	86	88	90	92	94	96
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	72	75	77	79	81	83	85	87	89	91	93
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	69	72	74	76	78	80	82	84	86	88	90
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	70	72	74	76	78	80	82	84	86	88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	363545
5°	346004
10°	291043
15°	209899
20°	130188
25°	74037
30°	41120
35°	22379
40°	11794
45°	6388
50°	3411
55°	2256
60°	2061
65°	2127
70°	1859
75°	1525
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6388 cd/sqm

TEST NUMBER: P1292566

CATALOG NUMBER: P3A09R30W2N902750DE010 E3DL1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	22.7
10°-20°	251.6	40.4
20°-30°	145.4	23.3
30°-40°	55.2	8.9
40°-50°	16.9	2.7
50°-60°	5.7	0.9
60°-70°	3.8	0.6
70°-80°	2.1	0.3
80°-90°	0.7	0.1
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°	538.6	86.4
0°-40°	593.8	95.3
0°-60°	616.4	98.9
0°-90°	623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	623.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1658	
5°	1572	142
15°	925	252
25°	306	145
35°	84	55
45°	21	17
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P1292566

CATALOG NUMBER: P3A09R30W2N902750DE010 E3DL1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1657.9
1°	1656.7
2°	1646.7
3°	1627.9
4°	1604.3
5°	1571.9
6°	1530.8
7°	1484.8
8°	1433.6
9°	1372.4
10°	1307.1
11°	1236.5
12°	1161.7
13°	1083.5
14°	1004.0
15°	924.6
17.5°	729.2
20°	557.9
22.5°	413.7
25°	306.0
27.5°	222.5
30°	162.4
32.5°	117.1
35°	83.6
37.5°	58.3
40°	41.2
42.5°	28.8
45°	20.6
47.5°	14.1
50°	10.0
52.5°	7.1
55°	5.9
57.5°	5.3
60°	4.7
62.5°	4.1
65°	4.1
67.5°	3.5
70°	2.9
72.5°	2.4
75°	1.8
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.0



TEST NUMBER: P1292566

CATALOG NUMBER: P3A09R30W2N902750DE010 E3DL1H_5000K

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)