

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: P1257858

Luminaire Tested: P3AS17R509040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R509040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

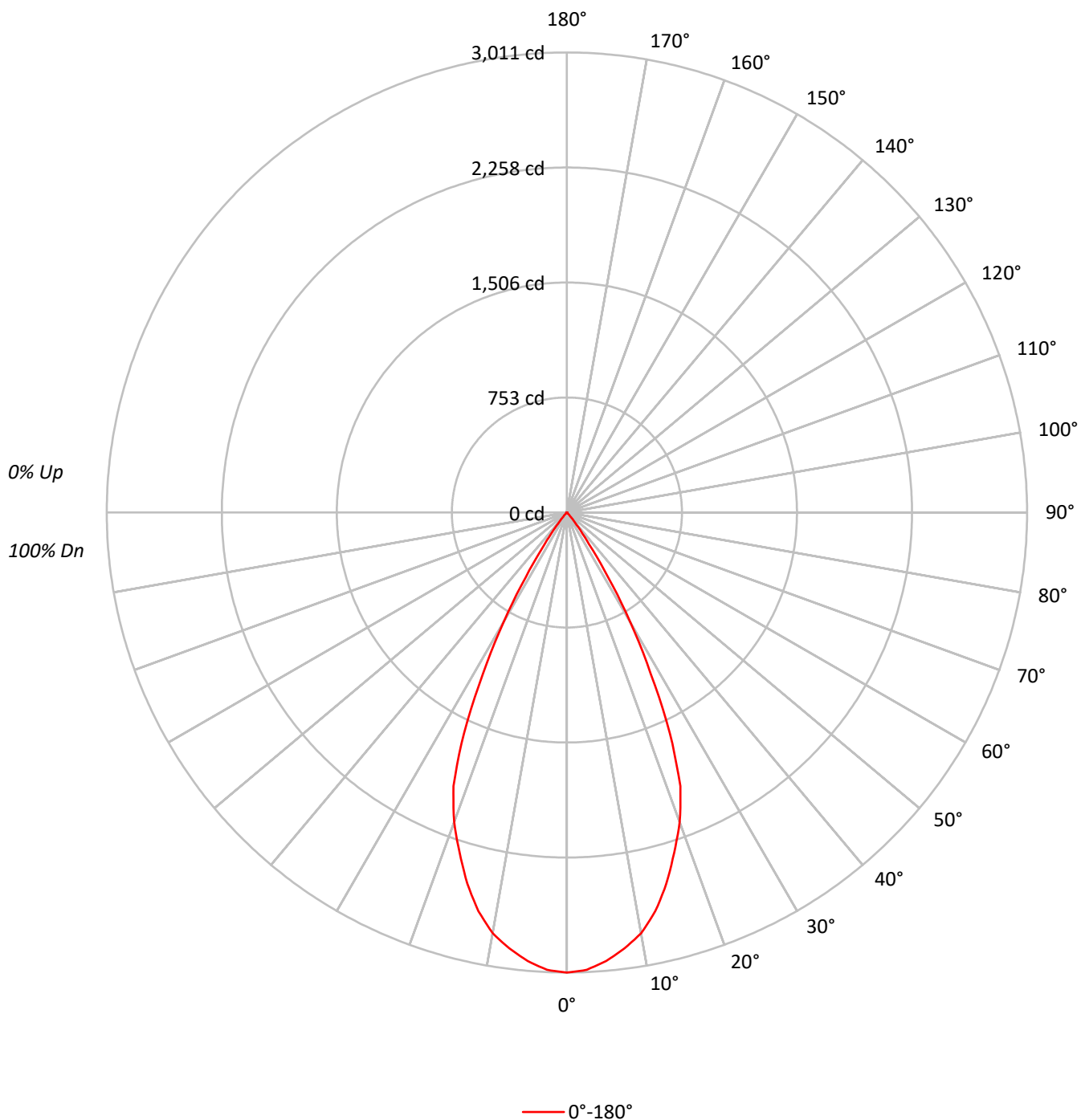
Lumens per Lamp: N/A
Luminaire Lumens: 1896.1 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1257858

CATALOG NUMBER: P3AS17R509040DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1257858

CATALOG NUMBER: P3AS17R509040DE010 E3CD1MW

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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	82	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	660320
5°	648513
10°	622678
15°	570991
20°	503507
25°	385909
30°	209830
35°	67512
40°	15858
45°	2140
50°	1876
55°	2103
60°	1842
65°	2179
70°	1795
75°	2372
80°	1768
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 85°
Luminance: 3522 cd/sqm

TEST NUMBER: P1257858

CATALOG NUMBER: P3AS17R509040DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	14.6
10°-20°	699.2	36.9
20°-30°	700.2	36.9
30°-40°	196.9	10.4
40°-50°	11.9	0.6
50°-60°	4.5	0.2
60°-70°	3.6	0.2
70°-80°	2.4	0.1
80°-90°	1.0	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°	1675.8	88.4
0°-40°	1872.7	98.8
0°-60°	1889.1	99.6
0°-90°	1896.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3011	
5°	2946	276
15°	2515	699
25°	1595	700
35°	252	197
45°	7	12
55°	6	4
65°	4	4
75°	3	2
85°	1	1
90°	0	

TEST NUMBER: P1257858

CATALOG NUMBER: P3AS17R509040DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3011.3
2.5°	2996.1
5°	2946.2
7.5°	2878.3
10°	2796.5
12.5°	2673.2
15°	2515.2
17.5°	2333.7
20°	2157.7
22.5°	1938.7
25°	1595.0
27.5°	1187.6
30°	828.7
32.5°	500.3
35°	252.2
37.5°	119.2
40°	55.4
42.5°	20.8
45°	6.9
47.5°	5.5
50°	5.5
52.5°	5.5
55°	5.5
57.5°	4.2
60°	4.2
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)