

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: P1260821

Luminaire Tested: P3AS20R509050D010 E3DLP1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1260821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R509050D010 E3DLP1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , E3DLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

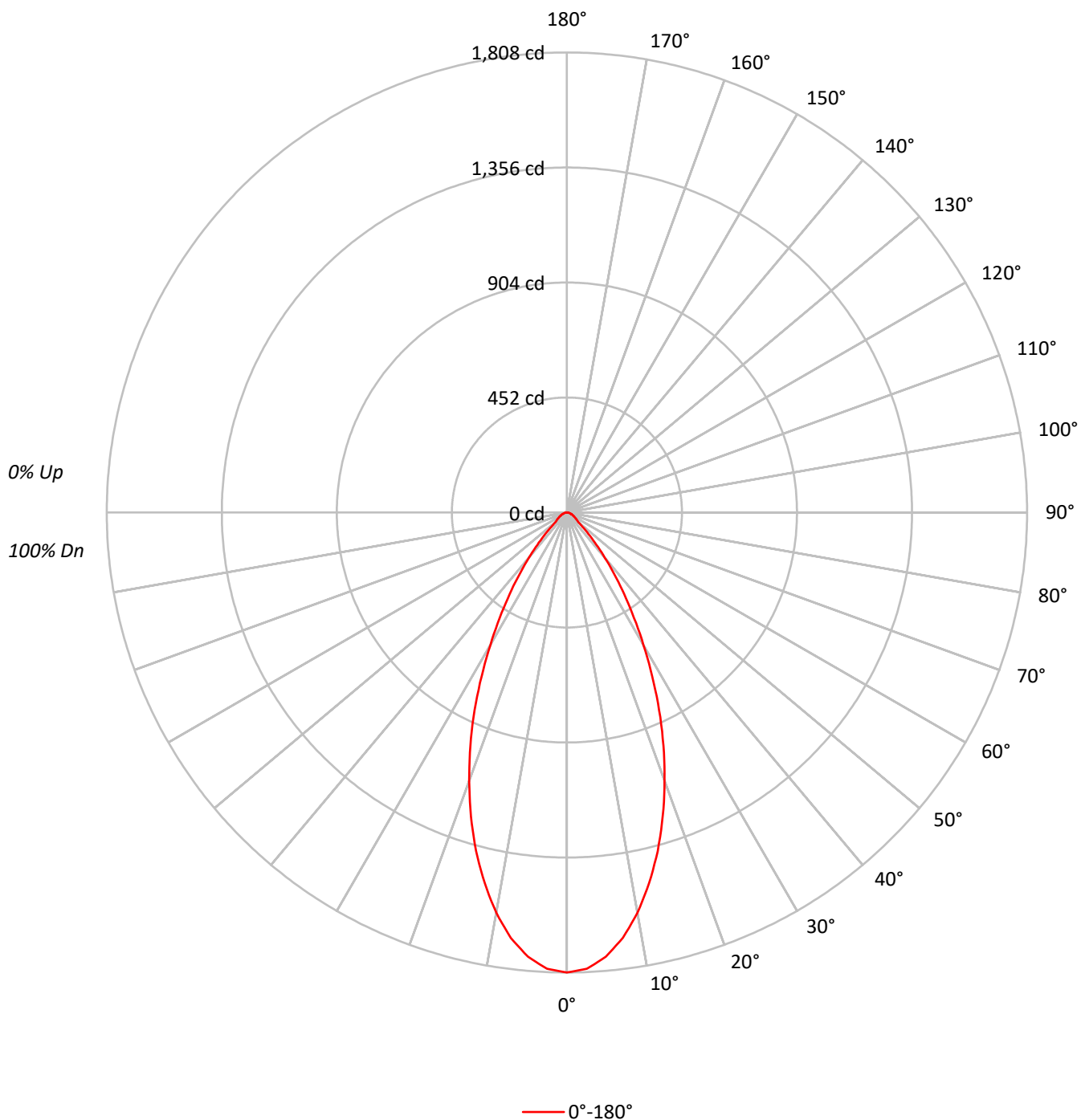
Lumens per Lamp: N/A
Luminaire Lumens: 1363.0 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.77
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1260821

CATALOG NUMBER: P3AS20R509050D010 E3DLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1260821

CATALOG NUMBER: P3AS20R509050D010 E3DLP1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	78	85	80	77		83	79	76		81
5	91	83	76	72	90	82	76	72	80	75	71		78	74	70		77
6	87	77	71	67	85	77	71	67	75	70	66		74	69	66		72
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65
9	75	65	59	55	74	64	59	55	63	58	55		63	58	54		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	396416
5°	385757
10°	355705
15°	312828
20°	261729
25°	207544
30°	152277
35°	104694
40°	66525
45°	37182
50°	20127
55°	16936
60°	14560
65°	13387
70°	11797
75°	10929
80°	9345
85°	9309

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37182 cd/sqm

TEST NUMBER: P1260821

CATALOG NUMBER: P3AS20R509050D010 E3DLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	11.9
10°-20°	381.6	28.0
20°-30°	390.4	28.6
30°-40°	247.5	18.2
40°-50°	98.5	7.2
50°-60°	39.9	2.9
60°-70°	25.5	1.9
70°-80°	13.1	1.0
80°-90°	4.0	0.3
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°	934.4	68.6
0°-40°	1181.9	86.7
0°-60°	1320.3	96.9
0°-90°	1363.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1808	
5°	1752	162
15°	1378	382
25°	858	390
35°	391	248
45°	120	99
55°	44	40
65°	26	26
75°	13	13
85°	4	4
90°	0	

TEST NUMBER: P1260821

CATALOG NUMBER: P3AS20R509050D010 E3DLP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1807.8
2.5°	1794.9
5°	1752.5
7.5°	1686.1
10°	1597.5
12.5°	1492.4
15°	1378.0
17.5°	1252.6
20°	1121.6
22.5°	990.6
25°	857.8
27.5°	725.0
30°	601.4
32.5°	490.7
35°	391.1
37.5°	306.2
40°	232.4
42.5°	171.6
45°	119.9
47.5°	81.2
50°	59.0
52.5°	49.8
55°	44.3
57.5°	38.7
60°	33.2
62.5°	29.5
65°	25.8
67.5°	22.1
70°	18.4
72.5°	14.8
75°	12.9
77.5°	9.2
80°	7.4
82.5°	5.5
85°	3.7
87.5°	1.8
90°	0.0

(END OF REPORT)