

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: P1249929

Luminaire Tested: P3AS20R209027D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209027D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

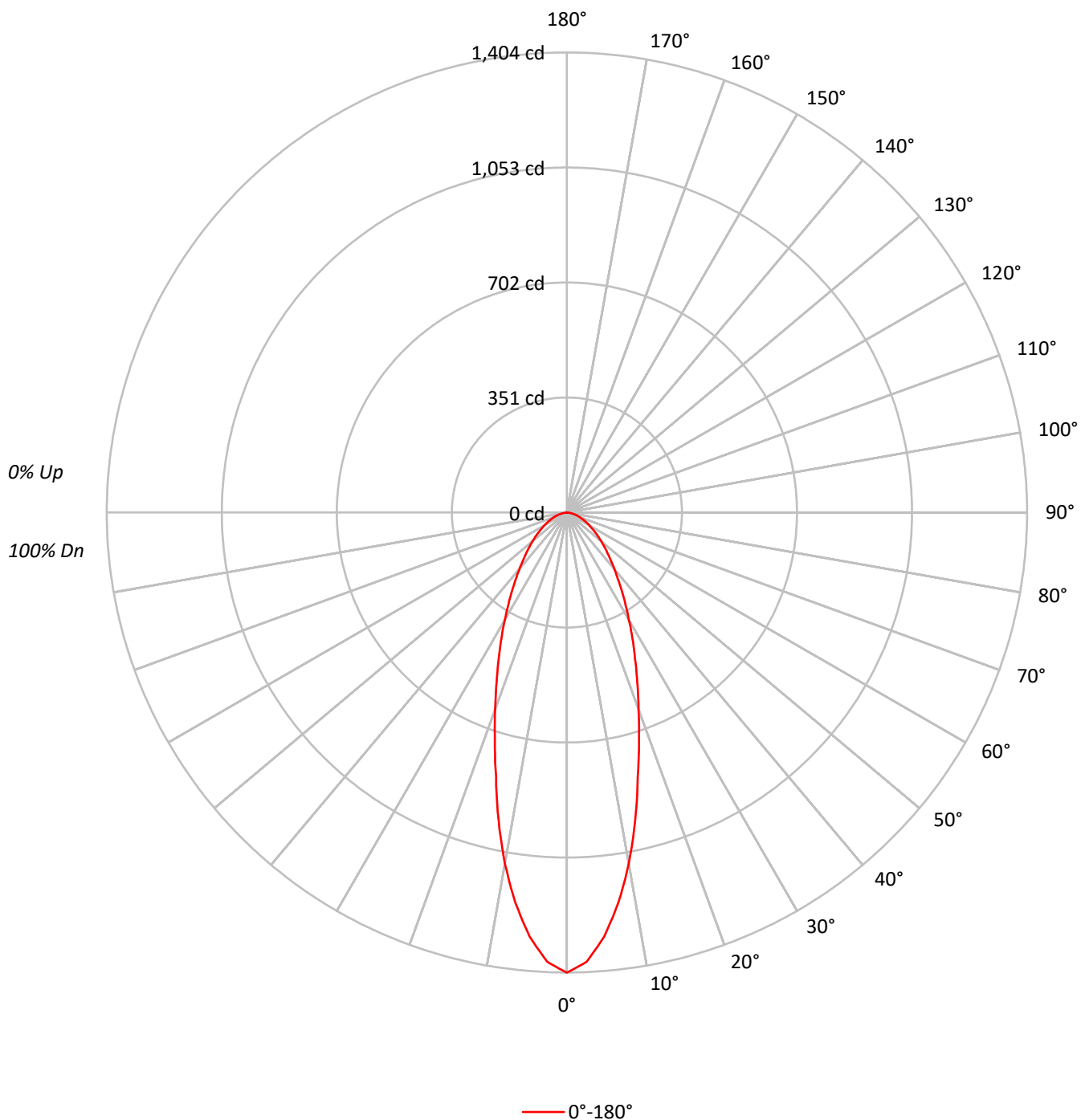
Lumens per Lamp: N/A
Luminaire Lumens: 1086.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	63	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	307980
5°	286110
10°	242280
15°	189649
20°	149276
25°	118967
30°	95686
35°	78006
40°	64521
45°	54362
50°	46600
55°	40027
60°	34953
65°	30717
70°	26286
75°	23130
80°	17300
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54362 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	10.8
10°-20°	233.9	21.5
20°-30°	227.1	20.9
30°-40°	183.5	16.9
40°-50°	136.4	12.6
50°-60°	94.7	8.7
60°-70°	59.4	5.5
70°-80°	28.8	2.7
80°-90°	5.0	0.5
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°	578.3	53.3
0°-40°	761.8	70.1
0°-60°	992.9	91.4
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1404	
5°	1300	117
15°	835	234
25°	492	227
35°	291	184
45°	175	136
55°	105	95
65°	59	59
75°	27	29
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1404.5
2.5°	1372.7
5°	1299.8
7.5°	1201.9
10°	1088.1
12.5°	962.9
15°	835.4
17.5°	730.7
20°	639.7
22.5°	560.0
25°	491.7
27.5°	432.5
30°	377.9
32.5°	332.4
35°	291.4
37.5°	255.0
40°	225.4
42.5°	198.0
45°	175.3
47.5°	154.8
50°	136.6
52.5°	120.6
55°	104.7
57.5°	91.1
60°	79.7
62.5°	70.6
65°	59.2
67.5°	50.1
70°	41.0
72.5°	34.1
75°	27.3
77.5°	20.5
80°	13.7
82.5°	6.8
85°	4.6
87.5°	0.0
90°	0.0

(END OF REPORT)