

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: P1272593

Luminaire Tested: P3AS20R209827D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272593
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: P3AS20R209827D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

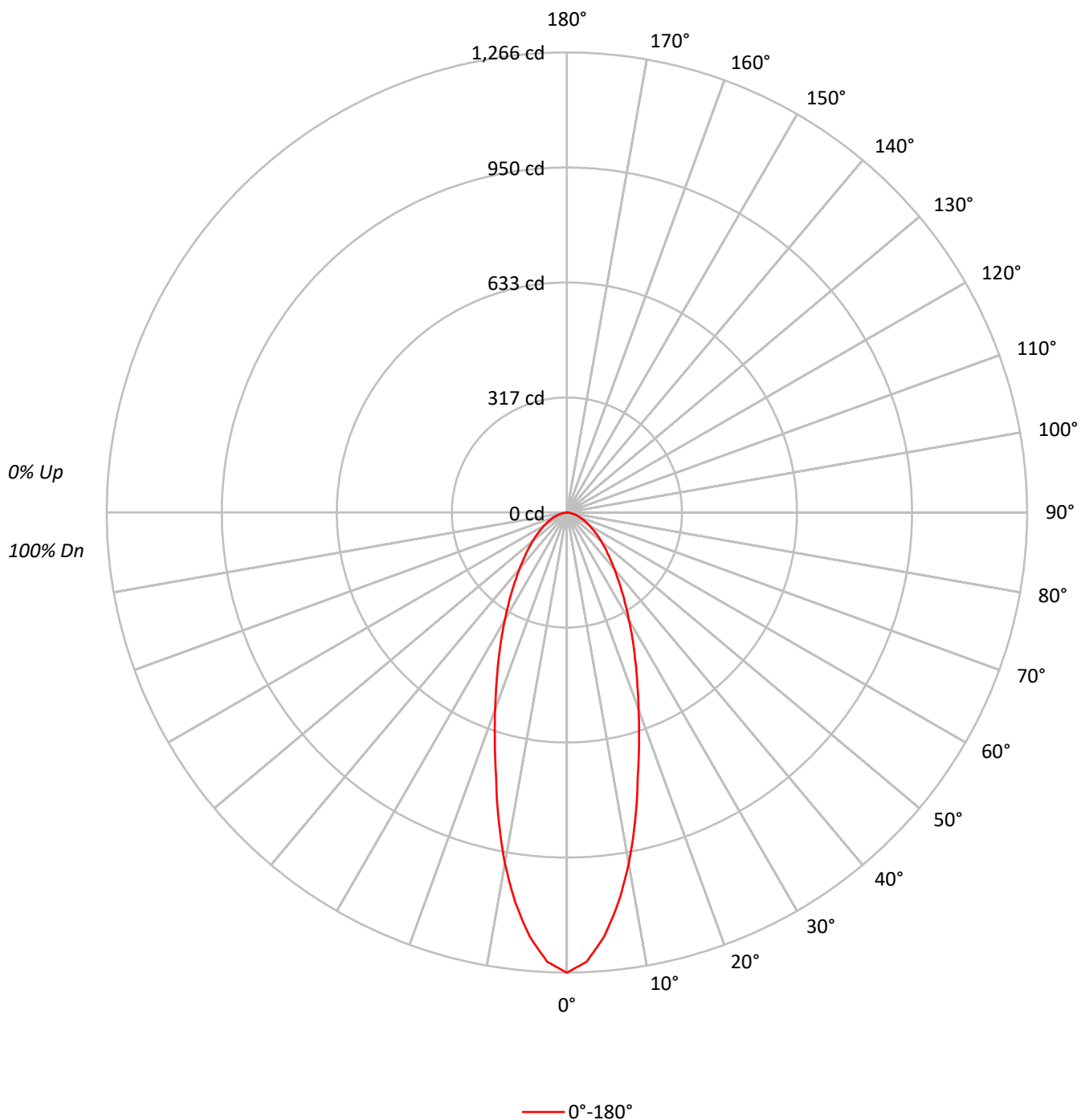
Lumens per Lamp: N/A
Luminaire Lumens: 979.0 lumens
Efficiency: N/A
Efficacy: 35.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	64	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°	277653
5°	257935
10°	218411
15°	170966
20°	134552
25°	107256
30°	86266
35°	70323
40°	58166
45°	48997
50°	41994
55°	36090
60°	31489
65°	27707
70°	23658
75°	20842
80°	15532
85°	10315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48997 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	10.8
10°-20°	210.8	21.5
20°-30°	204.7	20.9
30°-40°	165.4	16.9
40°-50°	122.9	12.6
50°-60°	85.4	8.7
60°-70°	53.5	5.5
70°-80°	26.0	2.7
80°-90°	4.5	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°	521.4	53.3
0°-40°	686.8	70.2
0°-60°	895.1	91.4
0°-90°	979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	979.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1266	
5°	1172	106
15°	753	211
25°	443	205
35°	263	165
45°	158	123
55°	94	85
65°	53	53
75°	25	26
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1266.2
2.5°	1237.4
5°	1171.8
7.5°	1083.5
10°	980.9
12.5°	868.0
15°	753.1
17.5°	658.7
20°	576.6
22.5°	504.8
25°	443.3
27.5°	389.9
30°	340.7
32.5°	299.6
35°	262.7
37.5°	229.8
40°	203.2
42.5°	178.5
45°	158.0
47.5°	139.5
50°	123.1
52.5°	108.8
55°	94.4
57.5°	82.1
60°	71.8
62.5°	63.6
65°	53.4
67.5°	45.1
70°	36.9
72.5°	30.8
75°	24.6
77.5°	18.5
80°	12.3
82.5°	6.2
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)