

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: P1247196

Luminaire Tested: P3AS17R159024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R159024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

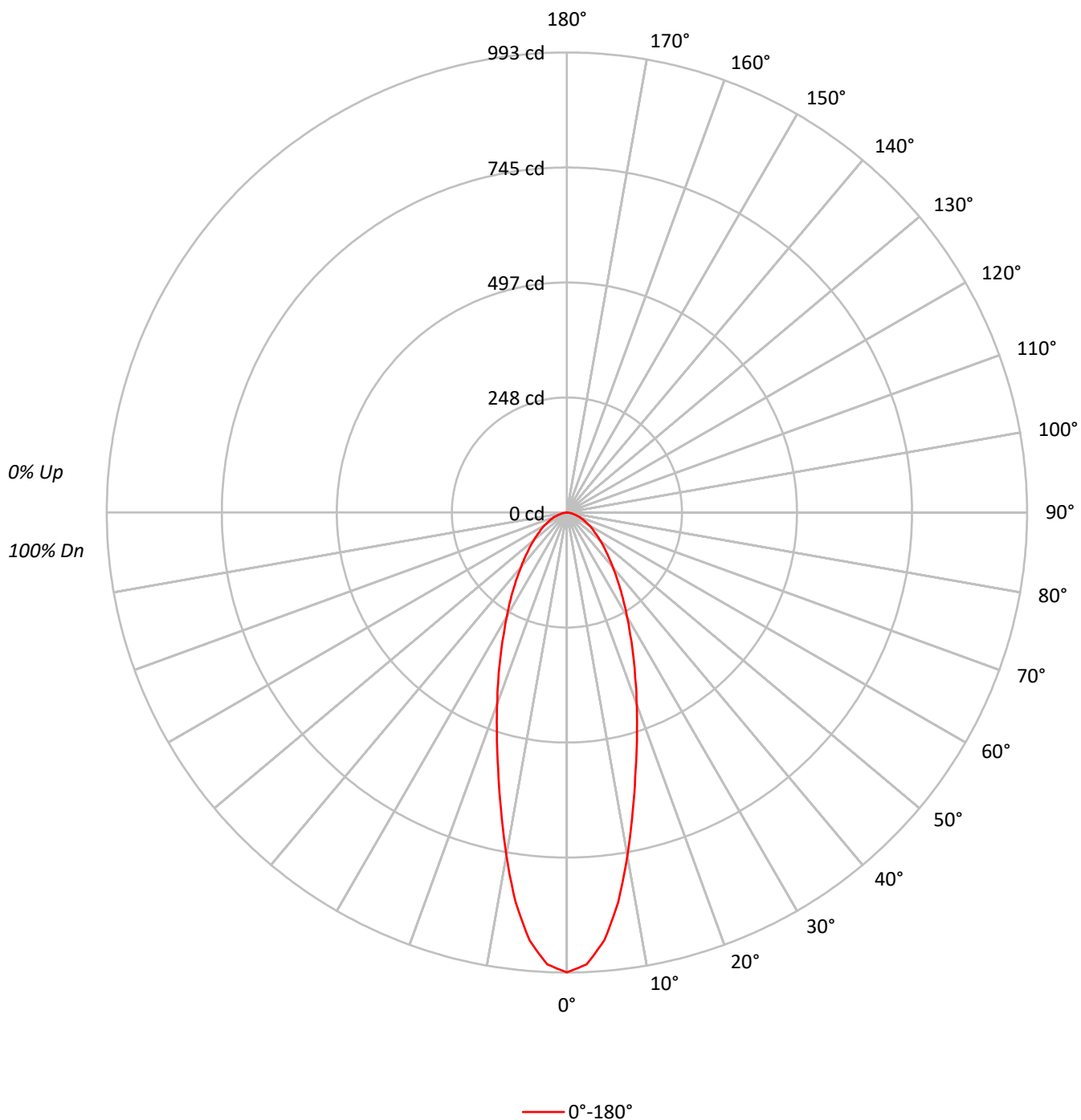
Lumens per Lamp: N/A
Luminaire Lumens: 748.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87	85	82	80
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81	77	74	72
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62	60
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65	60	57	55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58	53	49	47
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54	49	46	44
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217680
5°	204050
10°	167332
15°	129989
20°	102606
25°	81779
30°	65630
35°	53592
40°	44140
45°	37151
50°	31897
55°	27602
60°	24472
65°	21273
70°	18913
75°	15250
80°	12375
85°	8303

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37151 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	11.1
10°-20°	160.4	21.4
20°-30°	155.9	20.8
30°-40°	126.0	16.8
40°-50°	93.5	12.5
50°-60°	65.4	8.7
60°-70°	41.0	5.5
70°-80°	19.4	2.6
80°-90°	3.6	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°	399.1	53.4
0°-40°	525.1	70.2
0°-60°	684.0	91.4
0°-90°	748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	993	
5°	927	83
15°	573	160
25°	338	156
35°	200	126
45°	120	94
55°	72	65
65°	41	41
75°	18	19
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	992.7
2.5°	976.3
5°	927.0
7.5°	848.3
10°	751.5
12.5°	656.3
15°	572.6
17.5°	502.1
20°	439.7
22.5°	385.6
25°	338.0
27.5°	295.3
30°	259.2
32.5°	228.1
35°	200.2
37.5°	175.6
40°	154.2
42.5°	136.2
45°	119.8
47.5°	106.6
50°	93.5
52.5°	82.0
55°	72.2
57.5°	64.0
60°	55.8
62.5°	47.6
65°	41.0
67.5°	34.5
70°	29.5
72.5°	23.0
75°	18.0
77.5°	13.1
80°	9.8
82.5°	4.9
85°	3.3
87.5°	0.0
90°	0.0

(END OF REPORT)