

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: P1270470

Luminaire Tested: P3AS20R159740D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270470
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: P3AS20R159740D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

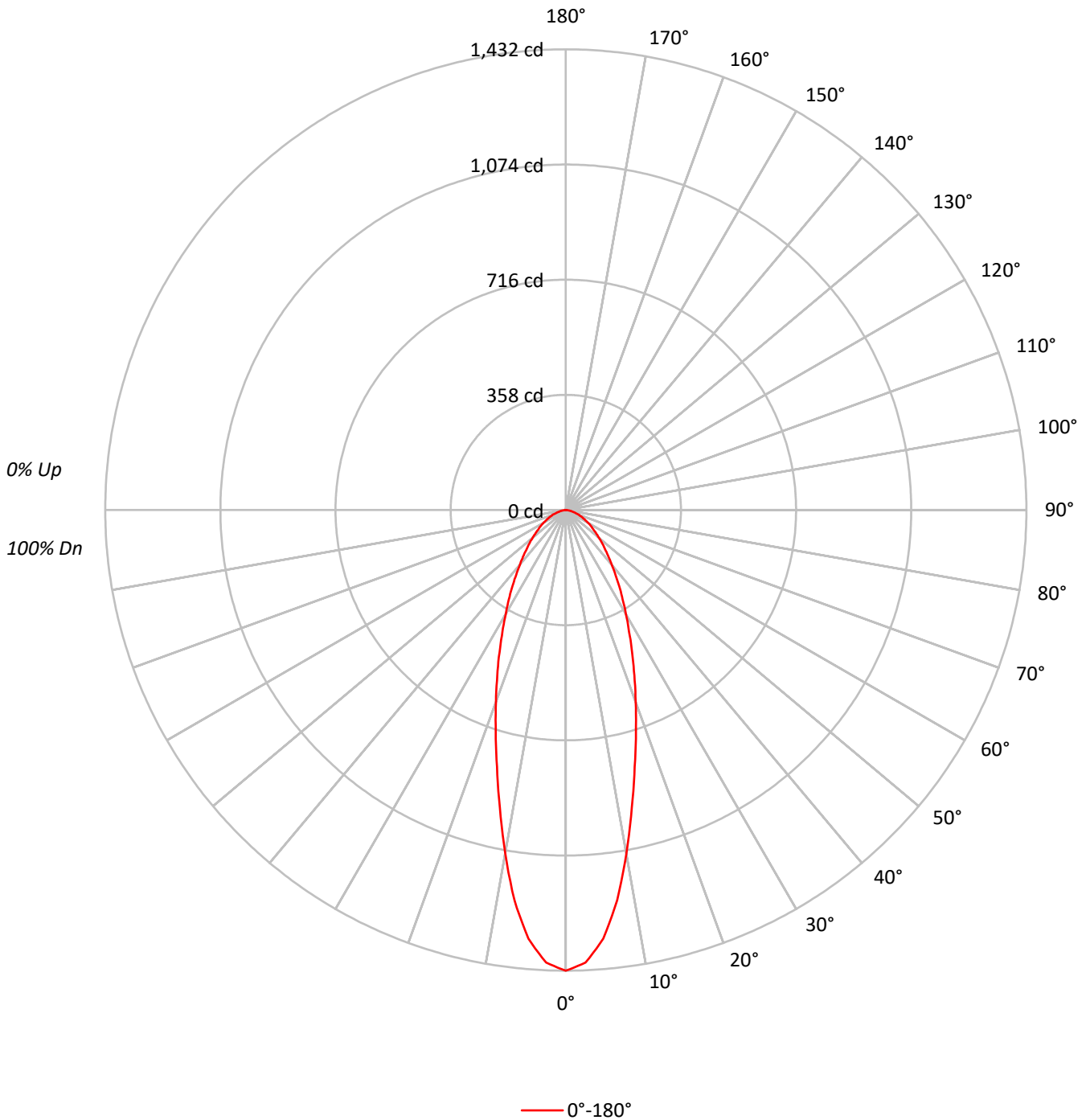
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1078.9 lumens
Efficiency: N/A
Efficacy: 37.5 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): 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			0	
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55	55	55	55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42	42	42	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313988
5°	294364
10°	241367
15°	187515
20°	148016
25°	117975
30°	94698
35°	77310
40°	63691
45°	53587
50°	46020
55°	39798
60°	35304
65°	30717
70°	27312
75°	22028
80°	17932
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	11.1
10°-20°	231.4	21.4
20°-30°	224.9	20.8
30°-40°	181.8	16.8
40°-50°	134.9	12.5
50°-60°	94.3	8.7
60°-70°	59.1	5.5
70°-80°	28.0	2.6
80°-90°	5.1	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°	575.7	53.4
0°-40°	757.5	70.2
0°-60°	986.7	91.5
0°-90°	1078.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1078.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1432	
5°	1337	119
15°	826	231
25°	488	225
35°	289	182
45°	173	135
55°	104	94
65°	59	59
75°	26	28
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1431.9
2.5°	1408.3
5°	1337.3
7.5°	1223.6
10°	1084.0
12.5°	946.7
15°	826.0
17.5°	724.2
20°	634.3
22.5°	556.2
25°	487.6
27.5°	426.0
30°	374.0
32.5°	329.0
35°	288.8
37.5°	253.2
40°	222.5
42.5°	196.4
45°	172.8
47.5°	153.8
50°	134.9
52.5°	118.3
55°	104.1
57.5°	92.3
60°	80.5
62.5°	68.6
65°	59.2
67.5°	49.7
70°	42.6
72.5°	33.1
75°	26.0
77.5°	18.9
80°	14.2
82.5°	7.1
85°	4.7
87.5°	0.0
90°	0.0

(END OF REPORT)