

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: P1258050

Luminaire Tested: P3AS20R209040D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258050
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: P3AS20R209040D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

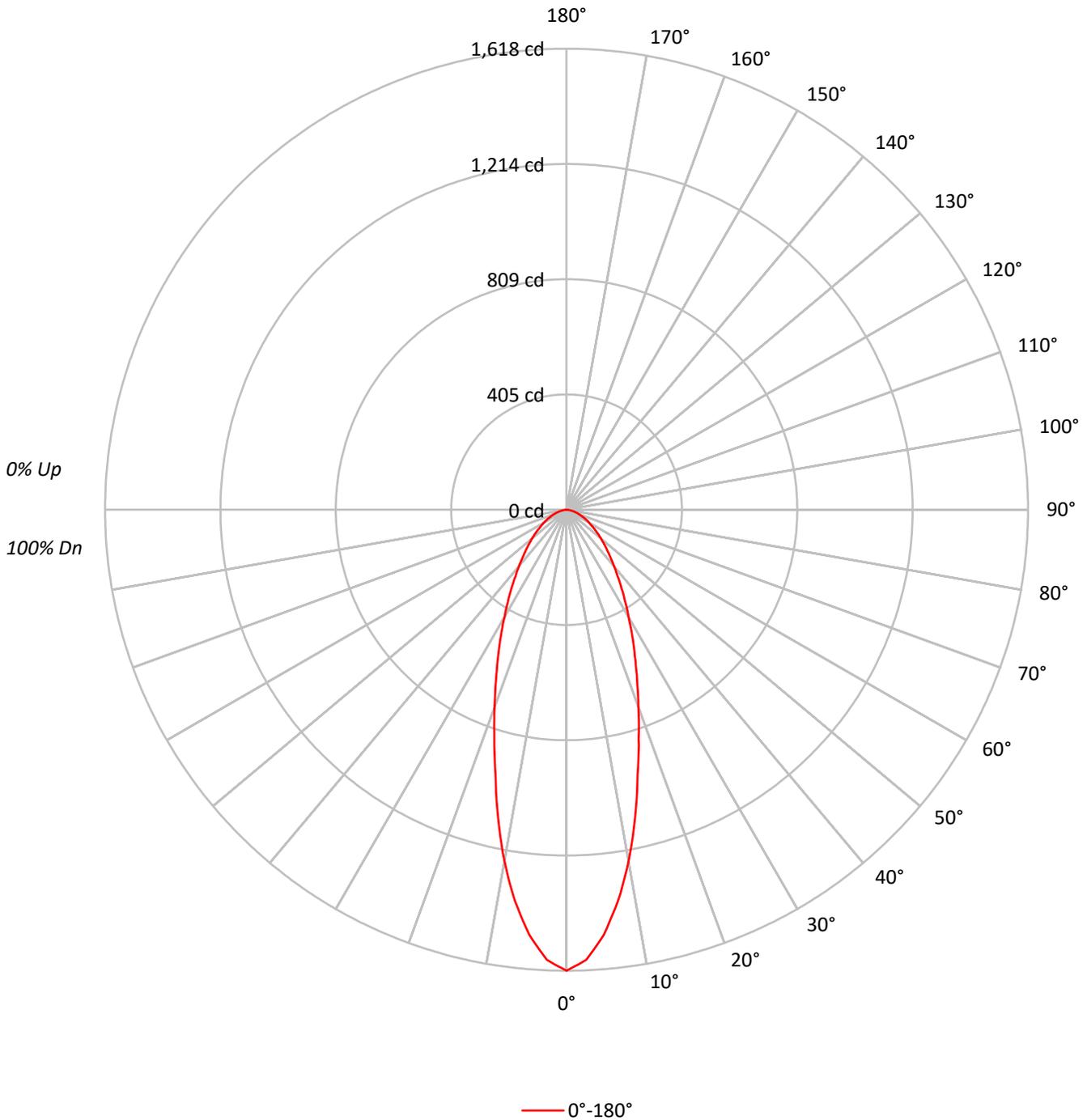
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1251.0 lumens
Efficiency: N/A
Efficacy: 43.4 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			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	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72	72
4	92	82	75	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	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55	55	55	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51	51	51	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47	47	47	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354774
5°	329583
10°	279086
15°	218480
20°	171958
25°	137040
30°	110219
35°	89838
40°	74311
45°	62611
50°	53661
55°	46106
60°	40260
65°	35386
70°	30262
75°	26688
80°	19826
85°	13083

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 62611 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	10.8
10°-20°	269.4	21.5
20°-30°	261.6	20.9
30°-40°	211.4	16.9
40°-50°	157.1	12.6
50°-60°	109.1	8.7
60°-70°	68.4	5.5
70°-80°	33.2	2.7
80°-90°	5.7	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°	666.2	53.3
0°-40°	877.6	70.2
0°-60°	1143.8	91.4
0°-90°	1251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1618	
5°	1497	135
15°	962	269
25°	566	262
35°	336	211
45°	202	157
55°	121	109
65°	68	68
75°	32	33
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1617.9
2.5°	1581.2
5°	1497.3
7.5°	1384.6
10°	1253.4
12.5°	1109.2
15°	962.4
17.5°	841.7
20°	736.9
22.5°	645.1
25°	566.4
27.5°	498.2
30°	435.3
32.5°	382.9
35°	335.6
37.5°	293.7
40°	259.6
42.5°	228.1
45°	201.9
47.5°	178.3
50°	157.3
52.5°	139.0
55°	120.6
57.5°	104.9
60°	91.8
62.5°	81.3
65°	68.2
67.5°	57.7
70°	47.2
72.5°	39.3
75°	31.5
77.5°	23.6
80°	15.7
82.5°	7.9
85°	5.2
87.5°	0.0
90°	0.0

(END OF REPORT)