

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: P1273284

Luminaire Tested: P3A05R209830DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R209830DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

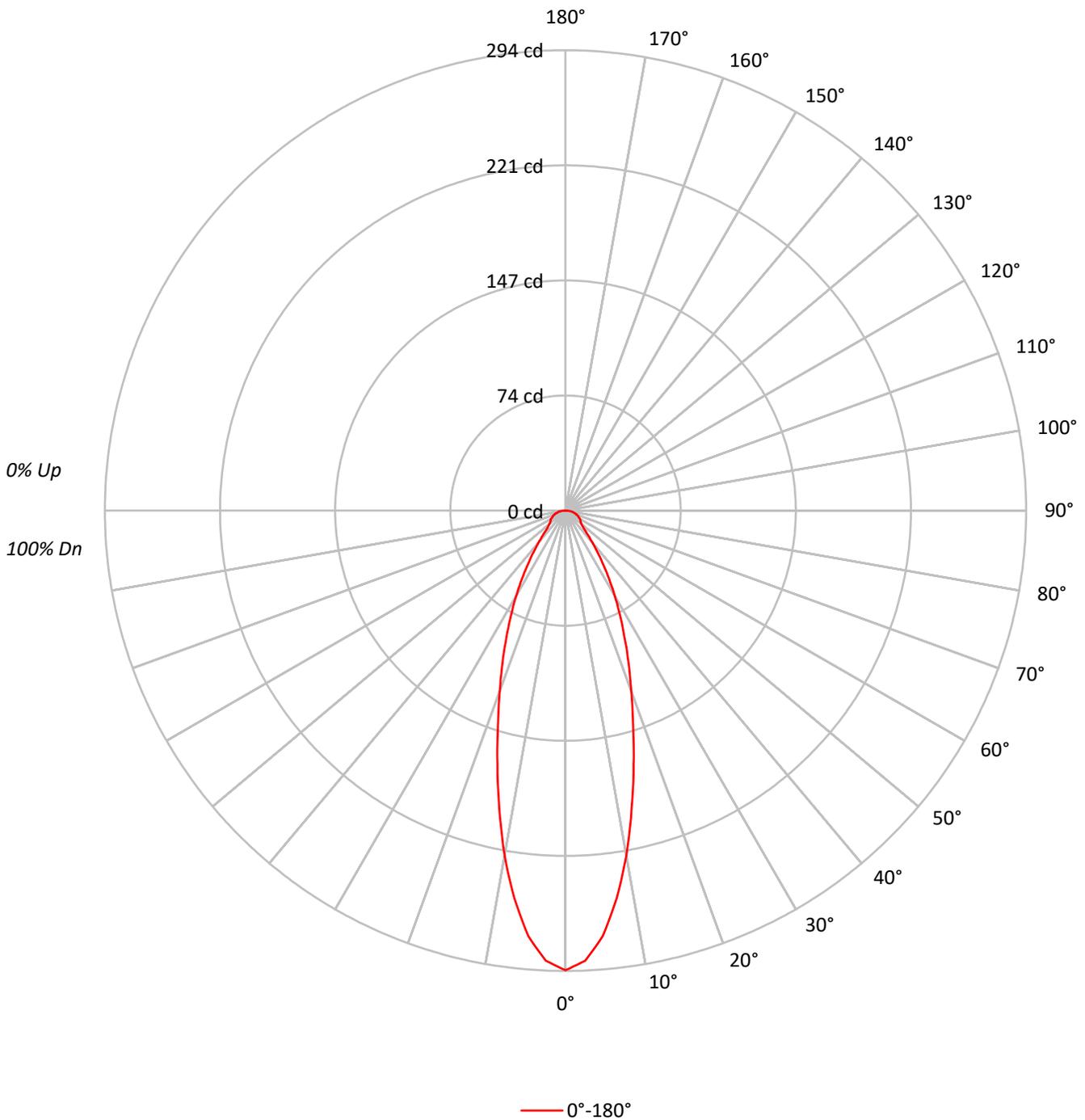
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 181.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	93	84	78	73	91	83	77	73	81	76	72	79	74	71	77	73	70	68	68	68	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63	63	63	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59	59	59	59
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	69	59	52	48	68	58	52	48	57	52	48	56	52	48	56	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64359
5°	60048
10°	49810
15°	38093
20°	28586
25°	21534
30°	15927
35°	11136
40°	7614
45°	5272
50°	4537
55°	4473
60°	4693
65°	4722
70°	4809
75°	4999
80°	5430
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 82.5°
 Luminance: 6216 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	13.5
10°-20°	46.7	25.8
20°-30°	41.0	22.7
30°-40°	26.5	14.6
40°-50°	14.0	7.7
50°-60°	10.6	5.8
60°-70°	9.0	5.0
70°-80°	6.3	3.5
80°-90°	2.5	1.4
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°	112.1	61.9
0°-40°	138.7	76.6
0°-60°	163.2	90.2
0°-90°	181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	181.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	294	
5°	273	24
15°	168	47
25°	89	41
35°	42	27
45°	17	14
55°	12	11
65°	9	9
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	293.5
2.5°	287.7
5°	272.8
7.5°	249.8
10°	223.7
12.5°	195.0
15°	167.8
17.5°	143.3
20°	122.5
22.5°	104.9
25°	89.0
27.5°	75.1
30°	62.9
32.5°	51.7
35°	41.6
37.5°	33.6
40°	26.6
42.5°	21.3
45°	17.0
47.5°	14.9
50°	13.3
52.5°	12.3
55°	11.7
57.5°	11.2
60°	10.7
62.5°	9.6
65°	9.1
67.5°	8.5
70°	7.5
72.5°	6.9
75°	5.9
77.5°	5.3
80°	4.3
82.5°	3.7
85°	2.1
87.5°	1.1
90°	0.0

(END OF REPORT)