

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: P1245997

Luminaire Tested: P3A05R129024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245997
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: P3A05R129024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R12 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

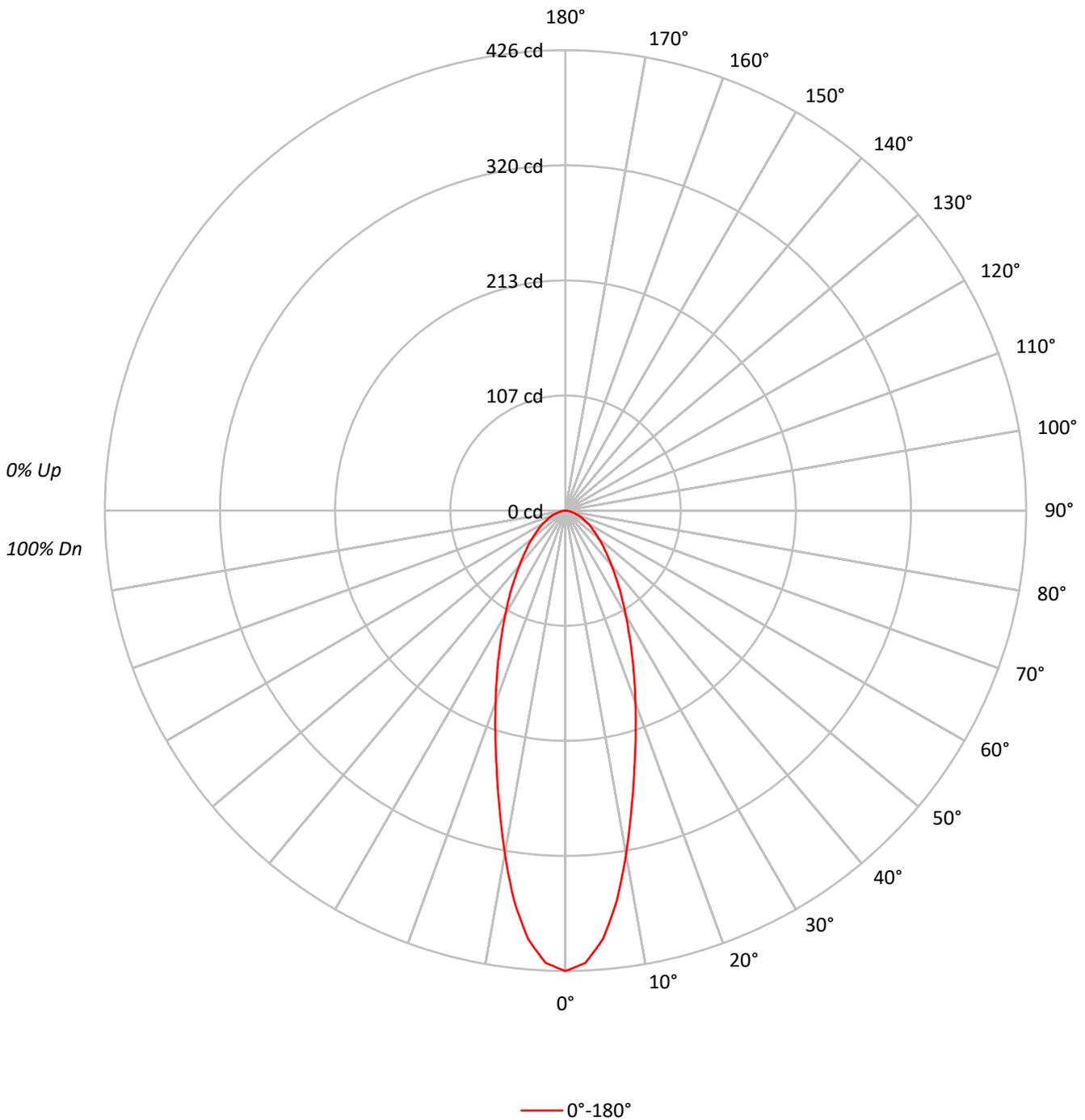
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 321.0 lumens
Efficiency: N/A
Efficacy: 42.2 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): 7.6
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
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90			90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72			72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55			55
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47			47
9	69	58	51	47	68	57	51	46	56	50	46	55	50	46	54	49	46	44			44
10	65	54	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93414
5°	87563
10°	71809
15°	55778
20°	44034
25°	35083
30°	28182
35°	22995
40°	18950
45°	15940
50°	13680
55°	11851
60°	10482
65°	9132
70°	8142
75°	6524
80°	5304
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	11.1
10°-20°	68.8	21.4
20°-30°	66.9	20.8
30°-40°	54.1	16.8
40°-50°	40.1	12.5
50°-60°	28.1	8.7
60°-70°	17.6	5.5
70°-80°	8.3	2.6
80°-90°	1.5	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°	171.3	53.4
0°-40°	225.3	70.2
0°-60°	293.5	91.5
0°-90°	321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	426	
5°	398	36
15°	246	69
25°	145	67
35°	86	54
45°	51	40
55°	31	28
65°	18	18
75°	8	8
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	426.0
2.5°	419.0
5°	397.8
7.5°	364.0
10°	322.5
12.5°	281.6
15°	245.7
17.5°	215.5
20°	188.7
22.5°	165.5
25°	145.0
27.5°	126.7
30°	111.3
32.5°	97.9
35°	85.9
37.5°	75.3
40°	66.2
42.5°	58.4
45°	51.4
47.5°	45.8
50°	40.1
52.5°	35.2
55°	31.0
57.5°	27.5
60°	23.9
62.5°	20.4
65°	17.6
67.5°	14.8
70°	12.7
72.5°	9.9
75°	7.7
77.5°	5.6
80°	4.2
82.5°	2.1
85°	1.4
87.5°	0.0
90°	0.0

(END OF REPORT)