

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: P1246087

Luminaire Tested: P3A05R259024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R259024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

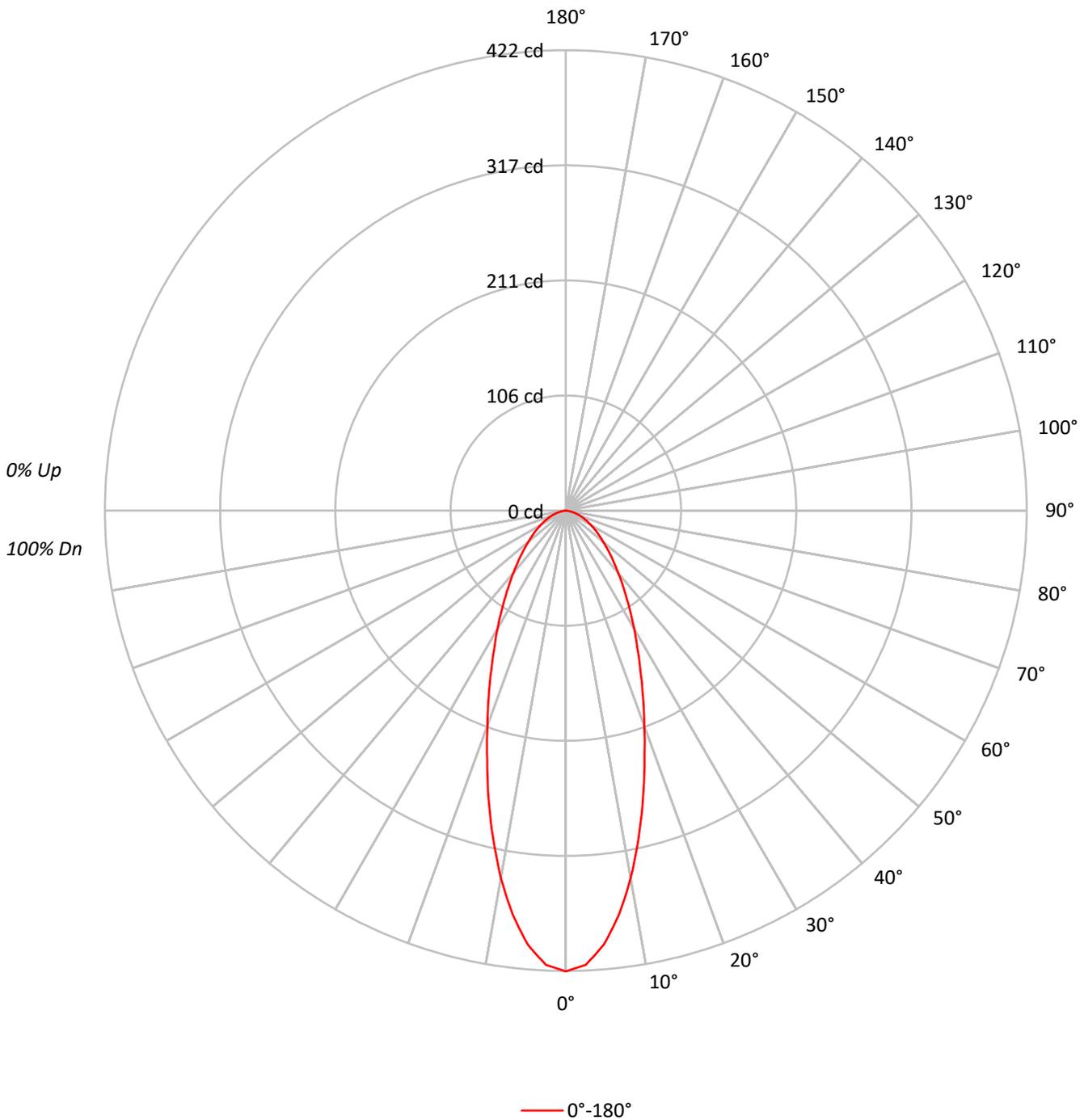
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 355.1 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.71
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	69	65	61	59
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	61	56	52	50
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	57	52	48	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	54	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43	52	46	43	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92624
5°	87915
10°	76151
15°	61998
20°	48981
25°	39051
30°	31676
35°	25806
40°	21383
45°	18017
50°	15249
55°	13419
60°	11753
65°	10273
70°	8976
75°	7540
80°	5683
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18017 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	10.2
10°-20°	75.7	21.3
20°-30°	74.6	21.0
30°-40°	60.8	17.1
40°-50°	45.1	12.7
50°-60°	31.5	8.9
60°-70°	19.7	5.6
70°-80°	9.5	2.7
80°-90°	1.8	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°	186.6	52.6
0°-40°	247.4	69.7
0°-60°	324.0	91.3
0°-90°	355.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	422	
5°	399	36
15°	273	76
25°	161	75
35°	96	61
45°	58	45
55°	35	31
65°	20	20
75°	9	9
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	422.4
2.5°	416.7
5°	399.4
7.5°	373.3
10°	342.0
12.5°	307.6
15°	273.1
17.5°	239.3
20°	209.9
22.5°	184.4
25°	161.4
27.5°	141.7
30°	125.1
32.5°	109.8
35°	96.4
37.5°	84.9
40°	74.7
42.5°	65.7
45°	58.1
47.5°	51.0
50°	44.7
52.5°	39.6
55°	35.1
57.5°	30.6
60°	26.8
62.5°	23.0
65°	19.8
67.5°	16.6
70°	14.0
72.5°	11.5
75°	8.9
77.5°	6.4
80°	4.5
82.5°	2.6
85°	1.3
87.5°	0.6
90°	0.0

(END OF REPORT)