

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: P1248489

Luminaire Tested: P3AS05R309027DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R309027DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

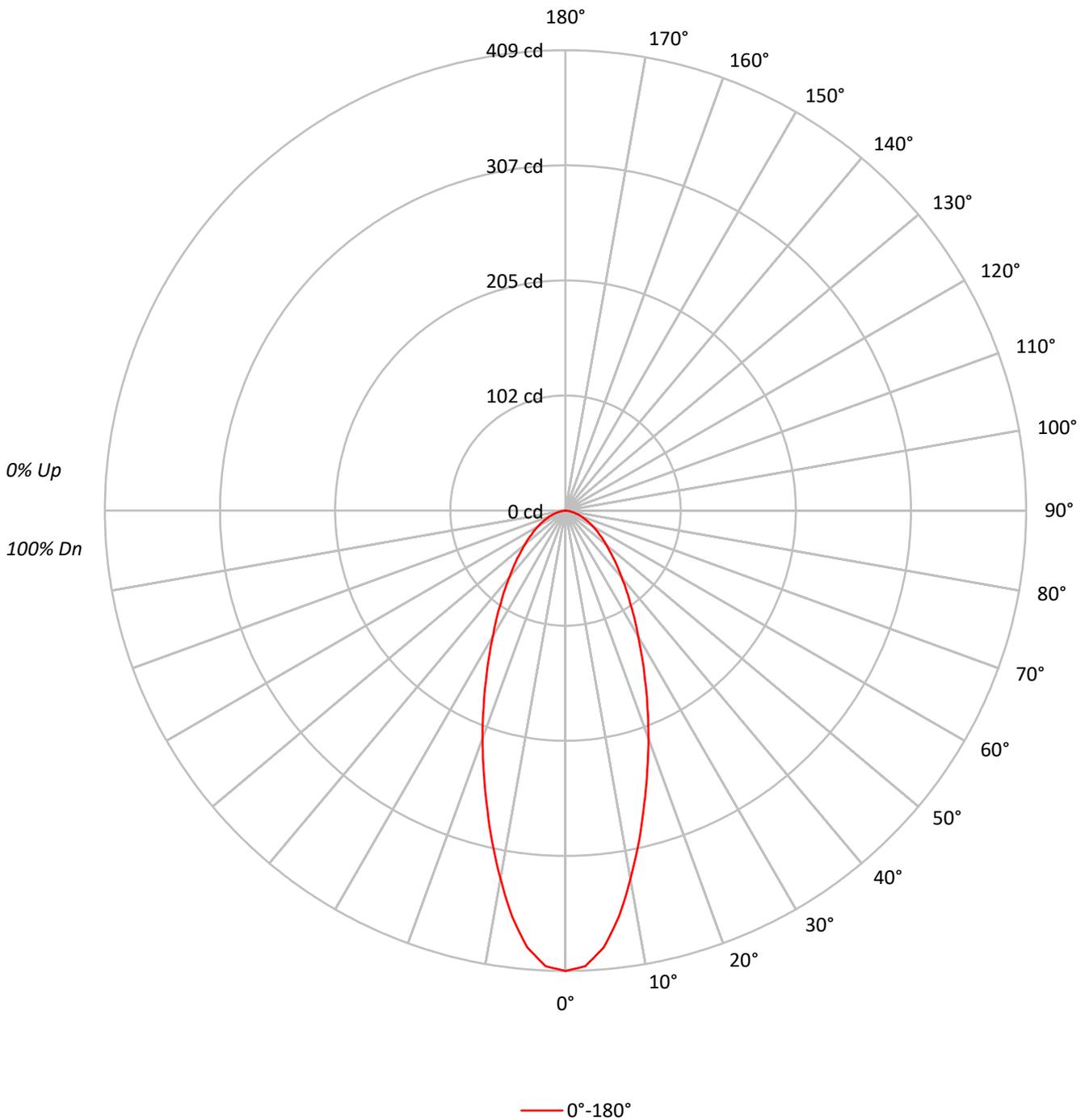
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 363.8 lumens
Efficiency: N/A
Efficacy: 50.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	72	60	53	48	70	60	53	48	59	52	48	57	52	48	56	51	48	46			
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89686
5°	85736
10°	73947
15°	61294
20°	50241
25°	40502
30°	32638
35°	26742
40°	22213
45°	18824
50°	16102
55°	13916
60°	12411
65°	10844
70°	9489
75°	7964
80°	5935
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	9.7
10°-20°	75.3	20.7
20°-30°	77.2	21.2
30°-40°	63.1	17.3
40°-50°	47.1	13.0
50°-60°	33.1	9.1
60°-70°	20.8	5.7
70°-80°	10.0	2.7
80°-90°	1.9	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°	187.8	51.6
0°-40°	250.8	68.9
0°-60°	331.1	91.0
0°-90°	363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	363.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	409	
5°	390	35
15°	270	75
25°	167	77
35°	100	63
45°	61	47
55°	36	33
65°	21	21
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	409.0
2.5°	405.0
5°	389.5
7.5°	363.8
10°	332.1
12.5°	301.0
15°	270.0
17.5°	241.6
20°	215.3
22.5°	190.3
25°	167.4
27.5°	147.1
30°	128.9
32.5°	114.1
35°	99.9
37.5°	88.4
40°	77.6
42.5°	68.8
45°	60.7
47.5°	53.3
50°	47.2
52.5°	41.8
55°	36.4
57.5°	32.4
60°	28.3
62.5°	24.3
65°	20.9
67.5°	17.5
70°	14.8
72.5°	12.1
75°	9.4
77.5°	6.7
80°	4.7
82.5°	2.7
85°	1.3
87.5°	0.7
90°	0.0

(END OF REPORT)