

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: P1289049

Luminaire Tested: P3A05R30W2N902765DE010 E3PHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1289049
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: P3A05R30W2N902765DE010 E3PHLD1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

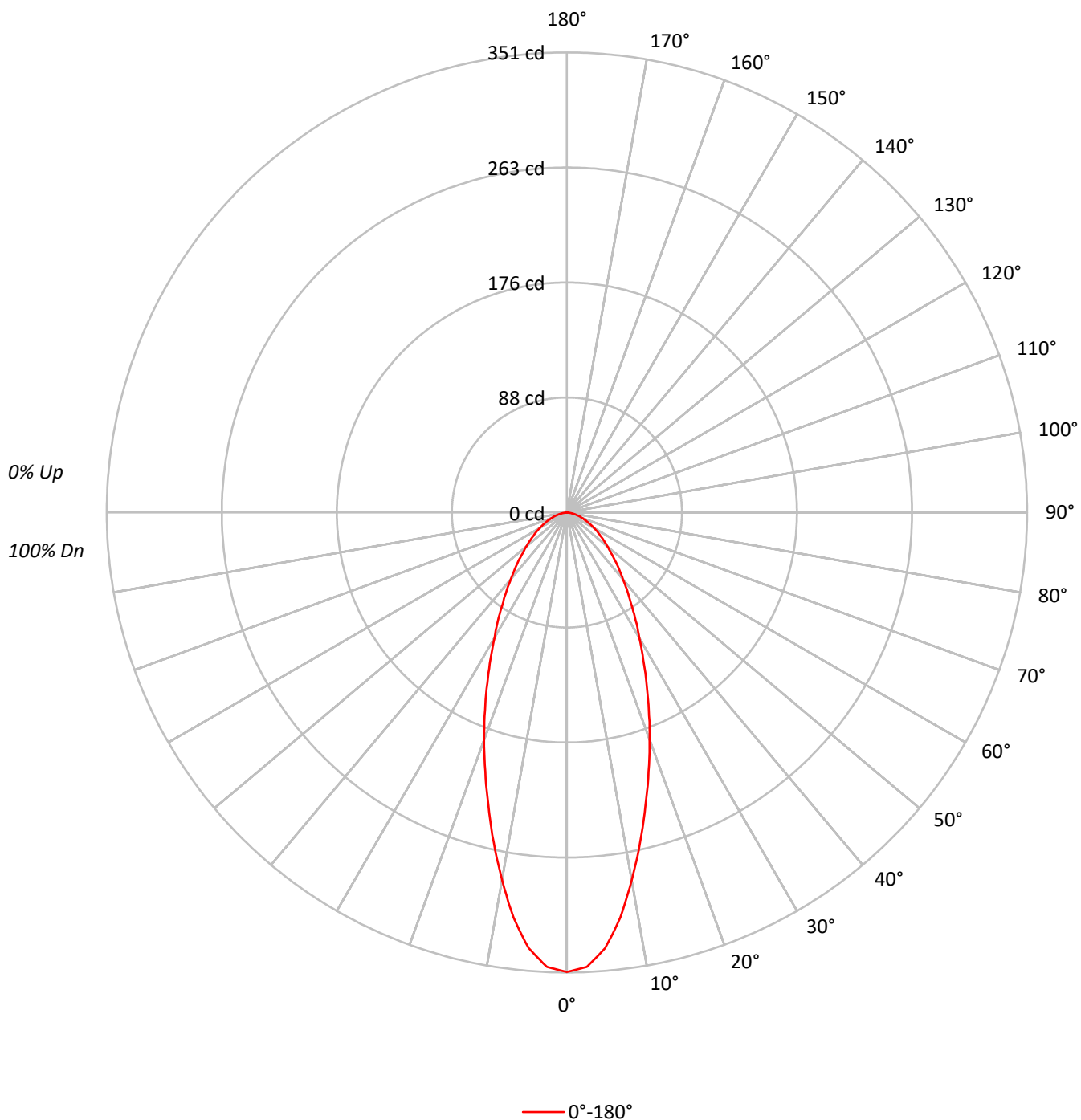
Lumens per Lamp: N/A
Luminaire Lumens: 312.0 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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		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		58	52	48		57	52	48		56	51	48		46			
9	68	57	50	45		66	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°	76880
5°	73475
10°	63392
15°	52532
20°	43077
25°	34720
30°	27979
35°	22914
40°	19036
45°	16157
50°	13816
55°	11928
60°	10657
65°	9288
70°	8142
75°	6863
80°	5051
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	9.7
10°-20°	64.5	20.7
20°-30°	66.2	21.2
30°-40°	54.1	17.3
40°-50°	40.4	13.0
50°-60°	28.4	9.1
60°-70°	17.8	5.7
70°-80°	8.6	2.8
80°-90°	1.7	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°	160.9	51.6
0°-40°	215.0	68.9
0°-60°	283.9	91.0
0°-90°	312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	312.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	351	
5°	334	30
15°	231	65
25°	144	66
35°	86	54
45°	52	40
55°	31	28
65°	18	18
75°	8	9
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	350.6
2.5°	347.1
5°	333.8
7.5°	311.8
10°	284.7
12.5°	258.0
15°	231.4
17.5°	207.1
20°	184.6
22.5°	163.2
25°	143.5
27.5°	126.1
30°	110.5
32.5°	97.8
35°	85.6
37.5°	75.8
40°	66.5
42.5°	59.0
45°	52.1
47.5°	45.7
50°	40.5
52.5°	35.9
55°	31.2
57.5°	27.8
60°	24.3
62.5°	20.8
65°	17.9
67.5°	15.0
70°	12.7
72.5°	10.4
75°	8.1
77.5°	5.8
80°	4.0
82.5°	2.3
85°	1.2
87.5°	0.6
90°	0.0

(END OF REPORT)