

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: P1292845

Luminaire Tested: P3A09R30W2N902765DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292845
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: P3A09R30W2N902765DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 90CRI ,
E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

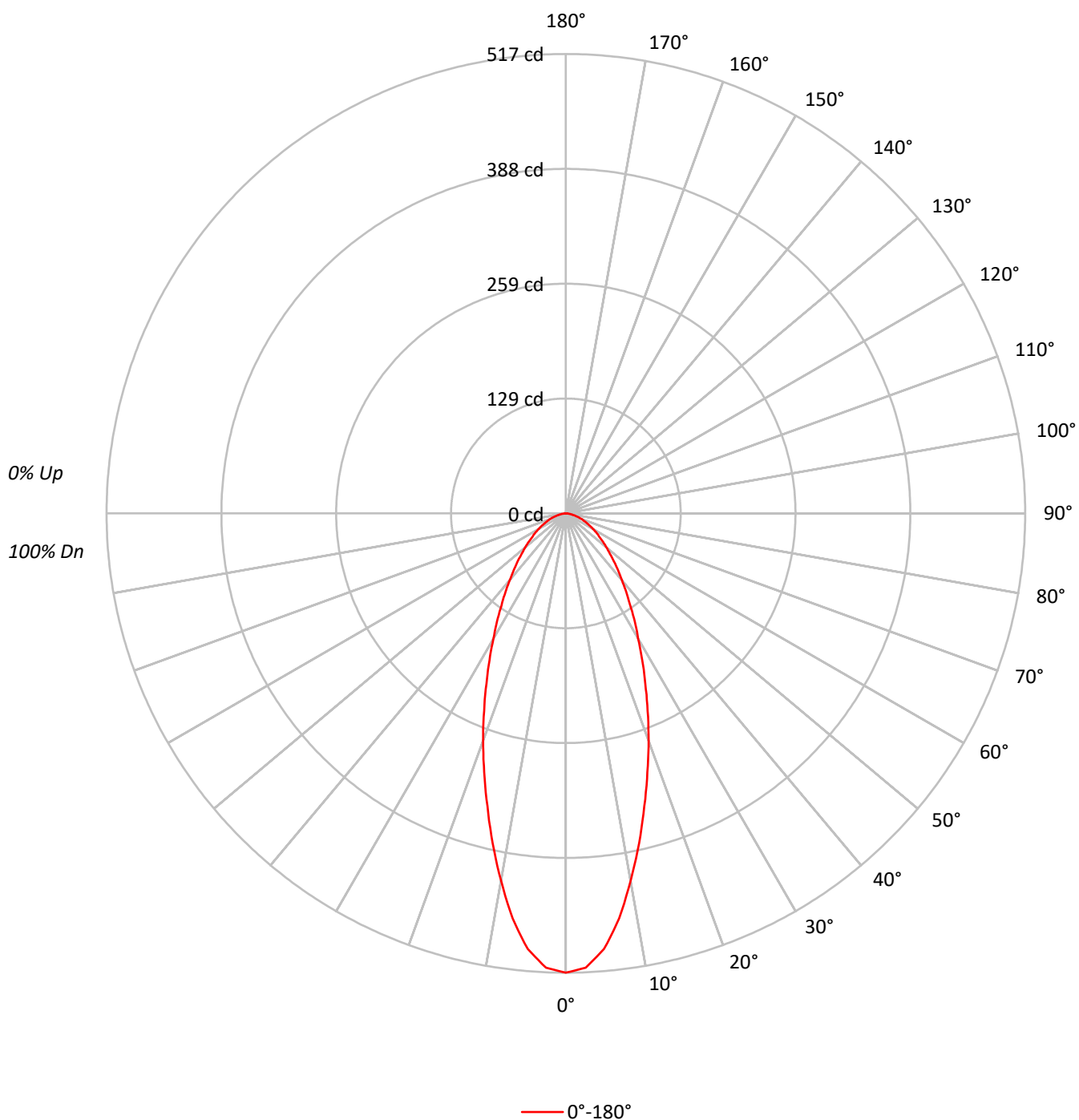
Lumens per Lamp: N/A
Luminaire Lumens: 460.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	71	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°	113346
5°	108342
10°	93452
15°	77458
20°	63496
25°	51172
30°	41247
35°	33783
40°	28081
45°	23816
50°	20366
55°	17624
60°	15700
65°	13698
70°	12053
75°	10082
80°	7577
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	9.7
10°-20°	95.1	20.7
20°-30°	97.5	21.2
30°-40°	79.7	17.3
40°-50°	59.6	13.0
50°-60°	41.9	9.1
60°-70°	26.3	5.7
70°-80°	12.7	2.8
80°-90°	2.4	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°	237.3	51.6
0°-40°	317.0	68.9
0°-60°	418.5	91.0
0°-90°	460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	517	
5°	492	45
15°	341	95
25°	212	98
35°	126	80
45°	77	60
55°	46	42
65°	26	26
75°	12	13
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	516.9
2.5°	511.8
5°	492.2
7.5°	459.8
10°	419.7
12.5°	380.4
15°	341.2
17.5°	305.4
20°	272.1
22.5°	240.5
25°	211.5
27.5°	186.0
30°	162.9
32.5°	144.2
35°	126.2
37.5°	111.7
40°	98.1
42.5°	87.0
45°	76.8
47.5°	67.4
50°	59.7
52.5°	52.9
55°	46.1
57.5°	40.9
60°	35.8
62.5°	30.7
65°	26.4
67.5°	22.2
70°	18.8
72.5°	15.4
75°	11.9
77.5°	8.5
80°	6.0
82.5°	3.4
85°	1.7
87.5°	0.9
90°	0.0

(END OF REPORT)